

33RD ANNUAL CATALOGUE IOWA SEED

ROGER LAMBERLIN

CO. AMERICA

DOROTHY PERKINS

SNOWFLAKE

ENGLAND'S FAVORITE

"SEEDSMEN TO THE AMERICAN PEOPLE"

ANNIVERSARY
ROSE COLLECTION
THESE
SIX ROSES FOR 75¢

ONLY ONE
THE BEST
QUALITY

HALLOWE'EN



I LOVE ROSES, DON'T YOU?

Anniversary Rose Collection.

We this year celebrate our anniversary of a third of a century in the seed business and we want to make it the best season that we ever had. We have therefore gathered together some of the best novelties in all times, things which we are sure everyone will want, and especially this rose collection, shown in colors on the front cover of this book, and as we have propagated many thousands of the roses we have made prices very low.

AMERICA.—One of the finest climbing roses ever sent out. It is a vigorous grower and the freest bloomer that we know of, blooming not only in the spring, like other sorts, but all summer and fall, and producing immense numbers of the large beautiful buds and flowers. Color a handsome bluish white, shaded with creamy yellow at center. Each 20c. Strong large plants 40c each prepaid.

ENGLAND'S FAVORITE.—When traveling in northern England we were greatly impressed with this new rose. It is a very hardy, rapid climbing variety, the plants being well laden with flowers of medium size and peculiar color as shown on cover of this book. The color of the flower is decidedly unique, being of a beautiful golden yellow, shading at the center to a decided copper color or reddish yellow, making a most rich combination of colors. It is a climbing tea rose of delightful fragrance as well as lovely color and combines so many good points that we are sure that every lover of roses will want several of them. We cannot say too much in its favor. Each 20c. Strong large plants 40c each prepaid.

ROGER LAMBERLIN.—The most exquisitely beautiful and rich colored rose ever sent out and in fact it is so very different from all other varieties that very few persons suspect that it is a rose. The petals are curiously fringed. Color rich, dark, glowing crimson, beautifully margined with white. Each 20c.

DOROTHY PERKINS.—In its foliage, growth and habit of blooming in immense clusters it is remarkably like Crimson Rambler, but the flowers are more double and of a beautiful shell-pink color. It is of quite upright habit, making a growth of ten to fifteen feet often in a single season. Very hardy and sure to be satisfactory. Each 20c.

HALLOWE'EN.—This charming new variety might well be called a striped Meteor Rose as it is of the same fine large size and perfect form as the Meteor, while the dark rich crimson color of each petal is freely and distinctly striped pure white and pink. The flowers are very double and bloom in endless profusion both in summer and winter. It is quite hardy and lives over winter in the open ground with but slight protection. This is the only distinctly striped ever blooming rose that we know of. It is a great beauty, has sweet fragrance and creates a sensation wherever seen. Each 15c.

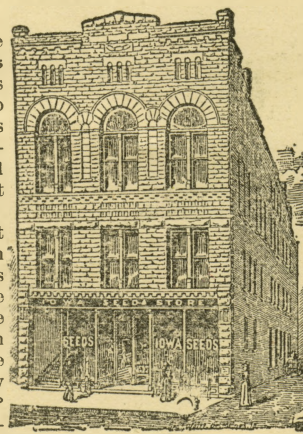
STOW FLAKE.—This lovely white tea rose is the freest flowering white rose we have ever seen and for a pot plant it cannot be excelled. On one plant 143 flowers and buds were counted in a single day and the plant was only nine months old. Everyone should have one of these elegant free blooming roses as there is no white rose which is superior to it. Each 15c.

The Entire Collection of Six Unequaled Roses for 75 Cents. Any 3 for 40 Cents.

ABOUT OURSELVES.

ALMOST every one 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 in 1870—thirty-three years ago—and it has grown until now it occupies a very prominent place in the seed trade of the country.

The business has been under the same management for many years past, the present manager having been connected with the company for 26 years. During all this time we have been constantly in close touch with the farmers and gardeners and know what will prove the most satisfactory in the various localities. Success in the seed trade depends almost entirely on the confidence of the people, and our customers have learned that they can rely implicitly on us. What more can you ask? Please give us a trial order this year and test the superior merits of our Choice Iowa Seeds.



OUR RETAIL STORE—44x133 Ft.

OUR STORE.

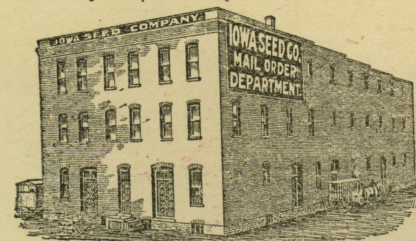
The Iowa Seed Store is so well known in Des Moines that it would be difficult to find even a child in this city of 75,000 inhabitants who does not know its location. It occupies the large building at 613-615 Locust Street, within three or four blocks of the postoffice, express offices and principal railroad passenger stations. The large store room is full of interest to everyone who has a farm or garden, or who loves flowers, and the bird and gold fish department always interest the children. Here are also located the offices and correspondence department. During our busy season last spring we received 2,000 to 5,000 letters every day and it required fifteen typewriters to answer the correspondence. We are always glad to have our customers call and examine our stock and manner of doing business. We have no secrets and freely invite everyone to inspect all departments.

OUR TELEPHONES.

Store and Office	Iowa Phone.....	No. 607.
Mail Order Dept.	Mutual Phone.....	No. 789.
Greenhouses	"	No. 889.—2 rings.
Warehouse	"	No. 736.—3 rings.
Managers Residence	"	No. 889.
Farm Office	"	No. 736.—2 rings.
	"	No. 793.—3 rings.

MAIL ORDER BUILDING.

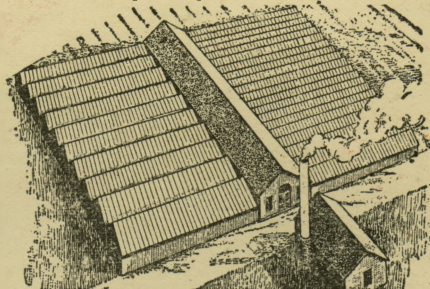
Our trade has increased so constantly that in 1900 we were compelled to look for larger quarters and we purchased the ground at 238, 210, 212, South Eighth St., about six blocks from the store and erected thereon a large building specially arranged to accommodate our rapidly growing trade. The railway tracks beside the building give us unexcelled 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 seeds cannot be surpassed. We can readily fill 3,000 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 employees have been with us many years and appreciate the importance of each order, no matter whether small or large, and no "green hands" are permitted to handle seeds in bulk.



MAIL ORDER BUILDING.

OUR GREENHOUSES.

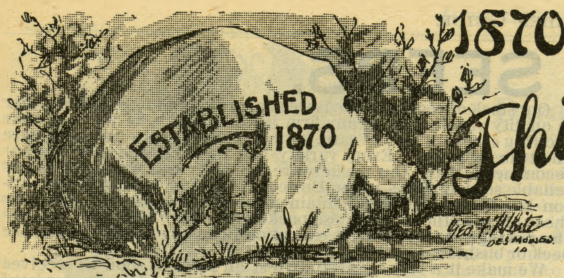
Last summer we secured a large tract of ground right in the city, convenient to electric street car line and fronting on Kingman Boulevard, one of the finest driving streets in the city. To this location we have moved our greenhouses and built much larger ones and are devoting twelve acres to flowers. There is no place equal to it we think in the entire west. The greenhouses which were built and are operated by the Iowa Seed Co. are devoted exclusively to growing plants for the mail order trade, and they contain a greater variety of plants than any other greenhouse in the west. Many hundred plant orders are filled daily during the busy season, all small plant orders being mailed direct from the branch post-office nearby.



OUR GREENHOUSES.

NOTICE. These catalogues are quite expensive and should you receive more than one kindly hand the extra copy to some one interested in having a good garden. We will be glad to mail a copy of this book to any of your friends who wish it.

SEEDS THAT GROW. It is not sufficient to be assured that seeds will grow, for weed seeds will grow. The important point is what will they produce. Vitality is important but quality is pre-eminent. Thousands of customers in all parts of the country agree that our seeds are unsurpassed if not superior to all others.



1870

1903

Thirtythree Years Successful Business!

DES MOINES, IOWA, January, 1903.

Hearty Greetings and Good Wishes

Are hereby extended to our **Friends and Customers** who have favored us with their orders during the past year and thus helped us to have the best and most prosperous season that we have ever experienced. Thirty-three years, **A Third of a Century**, is a long time and this long continued success proves that there is a feeling of growing confidence on the part of the public, in our establishment, for without it we could not succeed. We shall strive to continue to merit your confidence and approval by using every effort to secure the best results in growing and selecting the choicest, purest and most reliable seeds and prove to you that our motto, "**Only one quality, THE BEST,**" is well taken.

We know that our Choice Iowa Seeds are unsurpassed, that our prices are right and our promptness and care in filling orders make many friends, In almost every neighborhood in America our seeds are known and used and our highest ambition is to deserve the title which has been applied to us, namely:

"SEEDSMEN TO THE AMERICAN PEOPLE."

Read What Prominent Men Say.

They are a proof of merit. Such testimonials cannot be bought.

"I have bought seeds of you for several years past and have found them very satisfactory. I have used them on my own farm and also sold them to others and have had no complaints. Have also purchased some from other firms, but could not depend on them as on yours."—R. J. Johnson, Humboldt, Iowa, President Iowa State Agricultural Society.

"I am pleased to state that all seeds, both garden and field, that I have bought of your firm during the past twelve years have been perfectly satisfactory, and I am always pleased to recommend the Iowa Seed Company to any and all who are in need of anything in their line."—M. J. Wragg, Waukegan, Iowa, President Iowa State Horticultural Society.

The gardening public and farmers everywhere are requested to thoroughly examine all parts of this book, which we have enlarged, thoroughly revised and re-written this year and tried to make of practical value to everyone. Notice the many new and improved varieties which we are offering this year and instead of devoting your entire crop to the old sorts, we are sure that it will pay you to add both to the quality and yield by planting the newer kinds that we recommend.

We grow our own seeds, either on our own place or have them grown from carefully selected stock seeds and it requires the entire seed crop from about 6,200 acres to supply our trade. The soil and climate of Iowa are specially adapted to growing and maturing most seed crops, still there are some varieties which will produce better seed in other localities and we spend a large part of the summer and fall in traveling around among our growers inspecting the growing crop.

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

Your friends,

IOWA SEED COMPANY.

M. KURTZWEIL, President.

CHAS. N. PAGE, Treasurer and Manager.

KIND WORDS FROM OLD FRIENDS.

Very few Seed Dealers can Equal this Record.

I have bought seeds every year from your company since 1871, after Mr. Fuller started the business at Des Moines; have always found your seeds good.—W. S. Maxwell, Lawndale, Texas.

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

This is my 29th year getting seeds from your firm and they are all O. K. We are back in "Peerless Old Iowa," again after four years in California and eight years in Arkansas.—Bryant Graves, Leno, Iowa.

SUGGESTIONS TO CUSTOMERS.

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

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

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

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

DISCOUNTS.—On all orders for seeds in packets the purchaser may select twenty-five cents' worth extra for each one dollar sent us. This refers only to seeds in packets, not in bulk. Each year we put up thousands of packets of seeds for free distribution among our customers, by adding liberally of them to orders. We will allow you a discount of ten cents per pound on vegetable seeds, such as are listed as prepaid, if you are willing to have them sent by express or freight at your expense.

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

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

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

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

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.

PREPAID RAILROAD STATIONS.—Many of our farmer customers live at Prepaid 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.

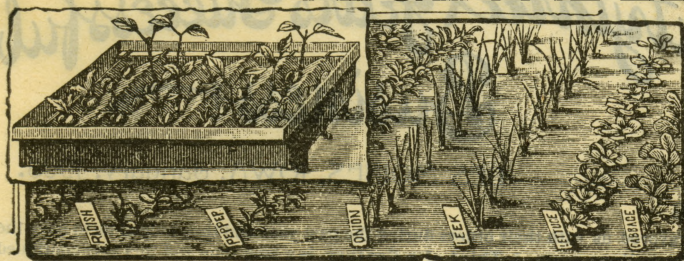
OUR GERMAN FRIENDS will be pleased to notice that we also issue a catalogue in the German language, and we will take pleasure in sending a copy free on request. Tell your German neighbors about it.

Unseren deutschen Freunden bitte hiermit zur Nachricht, daß wir auch Samen-Kataloge in deutscher Sprache drucken. Viele unserer Landsleute geben der Mutter Sprache den Vorzug und versehen wir diese Kataloge frei an Alle, die das zum anfragen. Bitte senden Sie uns die Adressen Ihrer deutschen Nachbarn, damit diese den besten deutschen Katalog in Amerika erhalten.

FOREIGN ORDERS.—Our trade with European countries, Australia, New Zealand, South Africa, the West Indies and other foreign countries, is increasing constantly, and while it is still somewhat expensive and slow to send large shipments by freight, small lots can be sent by mail quite easily. We are willing to prepay the postage on all vegetable and flower seeds offered by the packet or ounce, at the prices named in this catalogue, to Canada, Mexico, all parts of Europe, and all countries of the Postal Union. Not more than 12 ounces can be sent in each package,

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

VEGETABLE SEEDS.



SEED TESTING AND TRIALS.

A CHOICE LIST OF THE BEST NOVELTIES ARE DESCRIBED ON THE COLORED PAGES IN THE CENTER OF THIS BOOK.

ASPARAGUS.

One ounce will sow forty feet of drill.

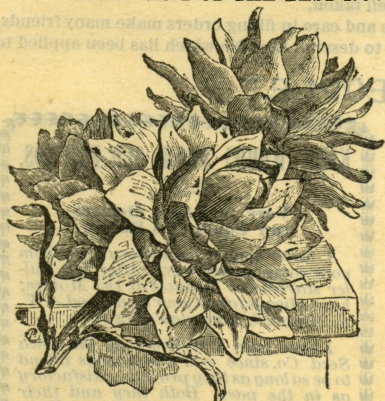
Asparagus is so easily grown and such a large quantity is produced on a small amount of ground that every garden should contain a bed. A bed ten feet square requiring 50 plants will give an abundant supply for any ordinary family. Soak the seed 14 hours in tepid water; sow early in spring, in rows a 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. It is more robust and vigorous in habit, and throws up larger shoots and fully as many of them as Conover's Colossal, and requires no earthing up in order to furnish the white shoots so much sought after. Per pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 25c. lb. 75c.

PALMETTO.—Stalks frequently measure two inches in diameter, and, even when twelve inches long, are perfectly tender when cooked. Per pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 25c. lb. 60c.

CONOVER'S COLOSSAL.—The standard variety. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 15c. lb. 40c.

ASPARAGUS ROOTS.—We can furnish strong roots of either the Palmetto or Conover's Colossal at 35c per dozen; \$1.25 per 100. Columbian Mammoth White 40c per dozen; \$1.50 per 100 postpaid. Ask for price in quantity.



LARGE GREEN GLOBE ARTICHOKE.

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 hot-beds or box in the house, and when weather becomes settled transplant in rows four feet apart and two feet in the row. When started early it sometimes blooms the first year.

LARGE GREEN GLOBE.—The best variety for general use; buds large; scales green; very thick and fleshy. Pkt. 10c. oz. 35c. $\frac{1}{4}$ lb. \$1.00.

ARTICHOKE ROOTS.—These are an entirely different plant from the above and used mainly for stock food. See description in Farm Seed Department. Per lb. 30c, 3 lbs. 75c. postpaid. By freight pk. 40c. bu. \$1.25.

BORECOLE, or KALE.

One ounce will produce about 3000 plants.

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

EXTRA CURLED MOSBACH.—Fine crimped leaves; light green color; admirable for garnishing. Best for cooking. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 40c. lb. \$1.25.

DWARF GERMAN GREEN.—Popular. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 25c. lb. 75c.

THOUSAND HEADED.—Grown mainly for forage. See description elsewhere. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 20c. lb. 65c.

BROCCOLI.

One ounce will produce about 3000 plants.

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

EARLY PURPLE CAPE.—A popular sort; heads well and is very hardy. Pkt. 5c. oz. 35c.

EARLY LARGE WHITE.—Pkt. 5c. oz. 25c.

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



BRUSSELS SPROUTS.

One ounce will produce about 3000 plants.

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

AMERICAN MAMMOTH.—A new and greatly superior variety of American growth which forms heads ready for picking about three weeks earlier than other varieties. It has the additional merit of making stronger plants and more heads. A profitable crop for market gardeners. Pkt. 5c. oz. 30c. $\frac{1}{4}$ lb. \$1.00.

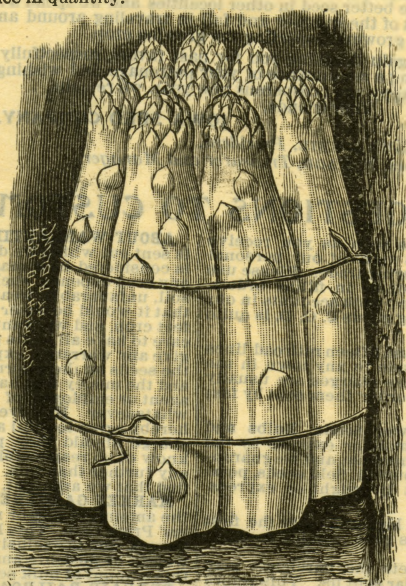
ENGLISH.—Pkt. 5c. oz. 15c. $\frac{1}{4}$ lb. 40c.

CURLED CHERVIL.

One 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. $\frac{1}{4}$ lb. 40c.

GERMAN CATALOGUE.—Please ask for a copy of our German Seed Catalogue, if you can read that language more readily than English.



CHAMPION MAMMOTH WHITE ASPARAGUS



EXTRA CURLED MOSBACH KALE.

SET OUT A BED OF ASPARAGUS THIS YEAR AND HAVE IT FRESH DAILY.

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 the 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 peak and half-peak rates. Deduct 15c from quart rate if to be shipped by express.

EARLY PROLIFIC BROAD.—See novelties. Per pkt. 10c, ½ pt. 20c, qt. 65c.

IMPROVED EARLY VALENTINE.—About ten days earlier than the common Early Valentine. In addition to this it is more robust and vigorous, and produces the true, round, curved pods very abundantly. Unexcelled in quality and uniformity of ripening, nearly the whole crop can be taken at one picking, usually within 35 days after planting. Pkt. 5c, ½ pt. 15c, qt. 45c; by express or freight, ½ peck 75c, peck \$1.35.

EARLY MOHAWK.—Very early and will stand more cold than most bush varieties. Vines large and stout with very large coarse leaves; will stand a slight frost. This variety is largely grown in the southern states for northern markets. The pods are from 5 to 6 inches long; the seeds, when ripe, drab color with purple spots. Pkt. 5c, ½ pt. 15c, qt. 40c. By express, ½ pt. 70c, pk. \$1.25.

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

BURPEE'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 and erect growth, yet branching and vigorous. An immense yielder, each bush bearing from 50 to 200 handsome large pods, well filled with very large beans of luscious flavor. Does not always mature dry shelled beans in this latitude, but you are sure of a good crop of green ones. Pkt. 5c, ½ pt. 20c, qt. 60c; by express ½ pk. \$1.25, pk. \$2.25.

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.

CALIFORNIA BRANCH OR PROLIFIC TREE.—This is quite a valuable variety for field culture. Grows about 20 inches high, has stiff, upright branches and bears immensely sometimes yields 45 bu. per acre. The beans closely resemble the White Navy. Pkt. 5c, ½ pt. 12c, qt. 35c; by express, ½ pk. 65c, pk. \$1.15.



IMPROVED VALENTINE.

IMPROVED GOLDEN WAX.

In spite of all the new sorts of beans being introduced every year, our trade calls for more Golden Wax than any other variety. This great popularity is due largely to the fact that the variety we have is a great improvement on the old Golden Wax having larger pods and being much more prolific. This improved stock is one of the handsomest beans we have ever seen, the pods being of dark, rich golden yellow color and of perfect shape. For family or market you can make no mistake in planting them. Pkt. 5c, ½ pt. 15c, qt. 50c; by exp. ½ pk. 90c, pk. \$1.60.

EARLY REFUGEE or THOUSAND TO ONE.—Most prolific green podded sort, thick and fleshy. Pkt. 5c, ½ pt. 15c, qt. 45c; by express, ½ pk. 75c, pk. \$1.40.

LONG YELLOW SIX WEEKS.—Very early and prolific; long, green, tender, flat pods; matures quickly. Pkt. 5c, ½ pt. 15c, qt. 40c; by express, ½ pk. 70c, pk. \$1.25.

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. Valuable for market gardener's and canner's use. Pkt. 5c, ½ pt. 15c, qt. 50c; by express, ½ pk. \$1.00, pk. \$1.75.

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. 15c, qt. 50c; by express ½ pk. \$1.10, pk. \$2.00.

WARDWELL'S KIDNEY WAX.—One of the earliest, hardiest and most productive of all Wax Beans; a week earlier than the Golden Wax, yields one third more, and almost free from rust and spots. Pkt. 5c, ½ pt. 15c, qt. 50c; by express ½ pk. \$1.00, pk. \$1.75.

SCARLET FLAG OR LET WAX.—The pods are often a foot in length, exceedingly succulent, stringless and tender. Pkt. 5c, ½ pt. 15c, qt. 50c; by express ½ pk. \$1.00, pk. \$1.75.

LARGE WHITE MARROW.—Excellent as a shelled bean. The beans are ivory white and double as large as the Navy. Pkt. 5c, ½ pt. 15c, qt. 40c; by express, ½ pk. 75c, pk. \$1.25.



EARLY MOHAWK.



BURPEE'S

NEW STRINGLESS

GREEN POD



HENDERSON'S DWARF LIMA.



WARDWELL'S

KIDNEY-WAX-BEAN

HARDEST AND MOST PRODUCTIVE

THOUSANDS OF CUSTOMERS ARE DELIGHTED WITH OUR IMPROVED GOLDEN WAX.

POLE BEANS.

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

GOLDEN CLUSTER WAX—In our tests this has proved to be the best of all wax pole beans and for a number of years it has been the leading variety. It bears profusely its long golden-yellow pods in clusters of 3 to 6 from bottom to top of pole, and continues in bearing from the middle of July till the vines are cut by frost. This variety endures all kinds of weather, wet or dry. For market it excels all others. Pods are seven to eight inches long and three-fourths of an inch in width. Although the pods are quite flat, they are fleshy, absolutely stringless, and very brittle, while their flavor is delicious. Pkt. 5c, ½ pt. 20c, qt. 60c. By express, ½ pk. \$1.25, pk. \$2.25.

OLD HOMESTEAD—Enormously productive, the pods hanging in great clusters from top to bottom of pole. It is entirely stringless, and the pods are of a silvery green color, and cook tender and melting. Can be grown with corn to good advantage. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.10, pk. \$2.00.

LAZY WIFE'S—This Pole Bean, for so long the favorite with Pennsylvania farmers, has become very popular. We presume it derived its name from its immense productivity, 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. They are broad, thick, *very fleshy and entirely stringless*. The pods retain their rich, tender, and stringless qualities until nearly ripe. Each pod contains from six to eight round white beans, which make excellent winter shell beans. Pkt. 5c, ½ pt. 20c, qt. 60c. By express, ½ pk. \$1.25, pk. \$2.25.



GOLDEN CLUSTER WAX

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. Similar in character to the London Horticultural, but larger in every way. The mammoth pods are striped and splashed with exceedingly brilliant crimson. The beans when fit for use of immense size. Pkt. 5c, ½ pt. 20c, qt. 60c. By exp. ½ pk. \$1.25, pk. \$2.25.

WHITE DUTCH CASE KNIFE—Yields an immense crop of handsome flat white beans of excellent flavor. Cooks easily. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.00, pk. \$1.75.

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

KING OF THE GARDEN LIMA—An improvement on Large White Lima, and the finest stock for market gardeners. When not closely planted they set their pods early at the bottom of the pole, producing a continuous bloom and fruitage to the end of the season. Pods of enormous size. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.10, pk. \$2.00.

CUT SHORTS—The old-fashioned-cornfield bean, so popular and often so difficult to obtain. Pkt. 5c, ½ pt. 15c, qt. 45c. By exp. ½ pk. 90c, pk. \$1.60.

BEETS. *One ounce sows 50 feet of drill; four to six pounds for one acre.*

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

EARLY CRIMSON GLOBE—An extra choice table beet. See novelty list for description. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$1.50.

COOPER'S MARKET KING—A half long variety and will therefore yield more bushels per acre than any round sort. The roots are very symmetrical and of fine dark red color and very solid. Flesh is also dark red, fine grained and of excellent quality. It is a quick grower and also one of the best keeping sorts. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

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

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

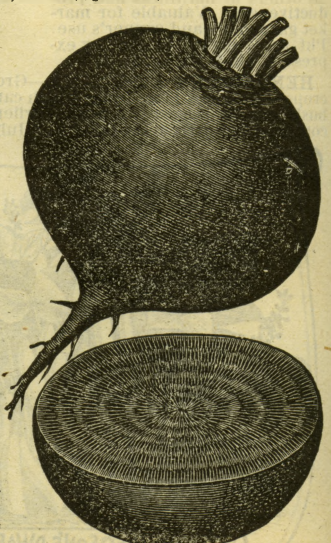
MARKET GARDENER'S—The best and most profitable table variety. See description with novelties. Pkt. 10c, oz. 30c.

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

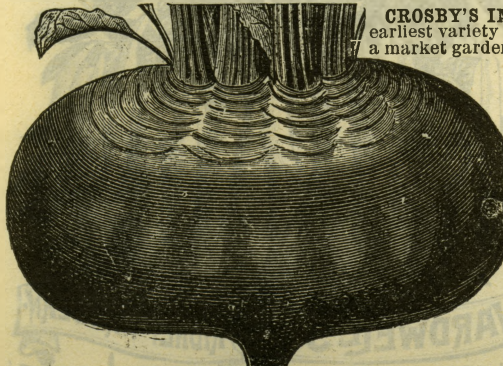
SWISS CHARD, or SILVER BEET—A distinct vegetable and much superior to the common beet for greens, which are produced soon after planting. Later the leaves grow very large, with broad, flat, beautiful white, wax-like stems and midribs, which may be cooked like asparagus. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

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

EDMAND'S BLOOD TURNIP—One of the best varieties grown for main crop. While not a strictly first early beet, it follows very closely and is the most uniform of all turnip beets, with very small tops. The roots are handsome and round, very smooth, of good marketable size, and for table use no variety can excel it in fine quality. The skin is deep blood red; the flesh is also dark red and *exceedingly sweet and tender*. Our stock seed of this variety was obtained direct from Mr. Edmand and we are sure it will please every one who tries it. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.



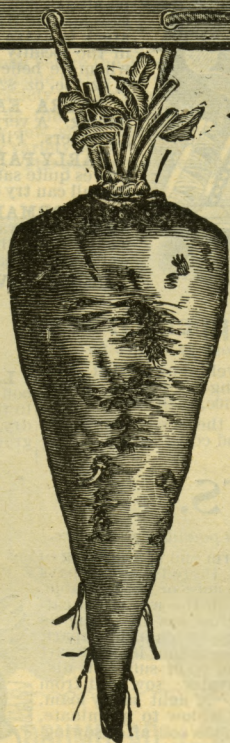
EDMAND'S BLOOD TURNIP.



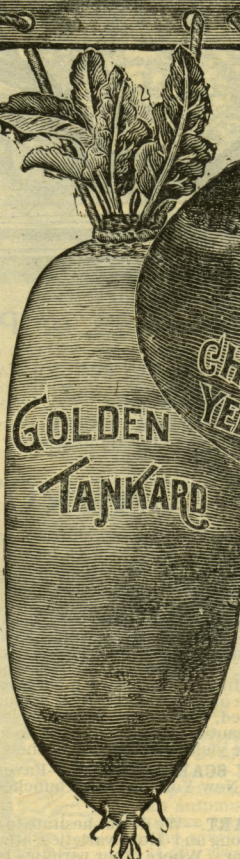
CROSBY'S IMPROVED EGYPTIAN.

• 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, 2,389 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 of seed to an acre.

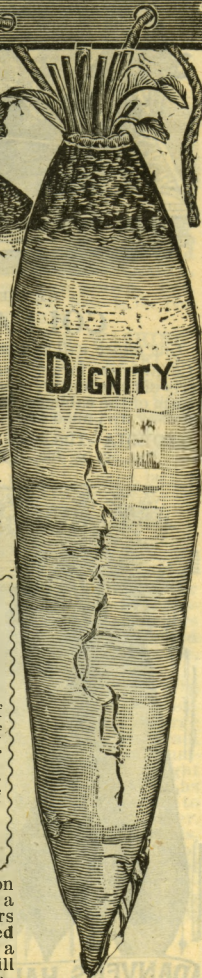


Klein-Wanzleben
SUGAR BEET.



COLLECTION
—OF—
MANGELS.

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



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

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

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

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

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

\$10.00 PRIZE.

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

DIGNITY LONG RED.—An improvement on the Mammoth Long Red by careful selection for a number of years. It stands head and shoulders above all other varieties of mangels; **unequaled for yielding and feeding qualities.** Grows to a very large size, weighing from 20 to 50 lbs. and will yield 50 tons per acre with ordinarily good cultivation. Thousands of western farmers have grown our Dignity mangel and call it the most profitable farm crop they ever tried. If you want large crops of large mangels of good quality, don't fail to try Dignity. It is very uniform, smooth and of good shape. Should be grown on deep, loose soil. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, not prepaid, 5 lbs. \$1.50.

KLEIN-WANZLEBEN.—Also called Diamond Sugar Beet. This variety is cultivated on a larger scale for the beet sugar factories than any other as it **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 pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, 5 lbs. \$1.50.

GIANT HALF SUGAR MANGEL.—This new hybrid between the Mammoth Red Mangel and Sugar Beet is of superior merit. Described with novelties. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c. By express, 5 lbs. \$2.00.

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 much larger than the above varieties and will yield more but is not as sweet, containing only about 8 per cent of sugar. Greatly liked for stock feeding, and preferred by some to mangels. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c. By express, 5 lbs. \$1.25.

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

L. C. Johnson says that he grew only half an acre of mangels last year and after selling \$20.00 worth to a neighboring dairyman he had sufficient left to feed four cows all winter.

CAULIFLOWER.

One ounce will produce about 3000 plants.

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

HENDERSON'S EARLY SNOWBALL.—Throughout the country this is considered not only the earliest of all cauliflowers, but it is more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as eighteen to twenty inches apart each way, thus making it especially valuable to market gardeners. **Our stock is extra choice and cannot be excelled.** It is grown in the locality where this variety originated, by a grower whom we believe to be the best in the world. Per pkt. 15c. $\frac{1}{4}$ oz. 75c, oz. \$2.50.

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

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

LENORMAND'S.—There is considerable call in this market for a late variety of cauliflower, and in the Lenormand's we have just what is wanted. It is of large size and produces well formed heads of excellent quality. Per pkt. 5c, oz. 60c.

CAULIFLOWER PLANTS.—See list of Vegetable Plants.



HENDERSON'S EARLY SNOWBALL CAULIFLOWER.

COLLARDS.

One ounce will produce about 3000 plants.

Collards are largely used as "greens" in some parts of the country, especially South. They are a form of the cabbage, bearing new leaves as the old ones are pulled off.

GEORGIA.—The most satisfactory for general use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

CRESS, or Pepper Grass.

One ounce will sow about 16 square feet.

EARLY CURLED.—A well known salad. Sow early and at intervals during the season. Cover seeds lightly. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

TRUE WATER.—Sow the seeds along the border of running water and cover lightly. Pkt. 5c, oz. 35c.

CHICKORY.

One ounce will sow about 15 square feet.

LARGE ROOTED.—Used as a substitute for coffee. Cultivate as carrots. Take up the roots in the fall, cut into small pieces and put away to dry. When wanted for use, it is roasted and ground like coffee. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

CARROTS.

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

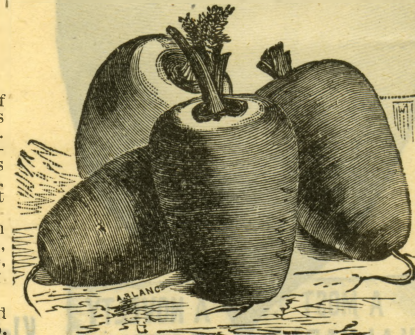
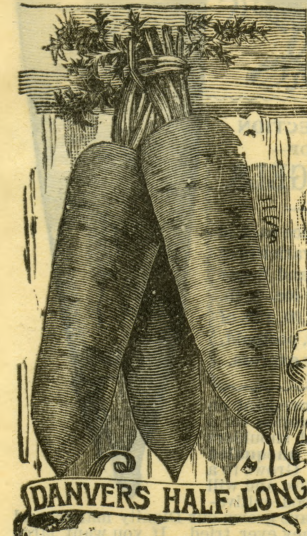
This is an indispensable root for the farm and is deserving of more general cultivation. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. Carrots form a nutritious, succulent food in the winter for cattle, horses, sheep and pigs. For early crop, sow in spring as soon as the ground can be worked, in drills fifteen inches apart, covering one-half inch; thin plants to three or four inches apart in the row. For field culture rows should be of sufficient distance to admit of the use of a horse cultivator; sow seed from the middle of April to the first of June. A light sandy loam, deeply tilled, is best, but as carrot seed is slow to germinate, extra precautions should be used to firm the soil after sowing. An average yield is 800 to 1,000 bushels per acre.

EARLY SCARLET HORN.—Favorite for early crop. Sold largely in New York markets bunched. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

OXHEART.—We do not hesitate to call this the most valuable variety in existence. It is intermediate between the Half-Long and Horn varieties, attaining a diameter of 3 to 4 inches at the neck, of beautiful shape and rich orange color. Where other varieties require digging it is easily pulled. It will produce roots as early as any variety and continues of the best quality all the season. It is excellent for hogs and other live stock and has yielded 1,200 bus. per acre. Cut off tops with scythe and pull roots out with potato hooks. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

DANVERS.—Is in form about midway between the Long Orange and Shorthorn class, growing generally with a stump root. It is of a rich, dark orange color, grows to a large size, is smooth, and the flesh very close in texture with little core. It is a first-class carrot for all soils, 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, $\frac{1}{4}$ lb. 20c, lb. 65c.

IMPROVED LONG ORANGE.—One of the most desirable for either garden or field culture. It grows to a large size, fair specimens averaging twelve inches in length, and three inches in diameter at the top. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.



OXHEART CARROT.

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, $\frac{1}{4}$ lb. 20c, lb. 60c; by exp. 5 lbs. or more, 45c per lb.

VICTORIA.—Largest carrot grown, heaviest cropping and most nutritious variety in cultivation; roots remarkably fine, of light orange color, symmetrical, excellent quality, possessing high feeding properties; good keeping qualities; heavy cropper on all soils, especially adapted for rich land. **grows half as much weight again per acre as ordinary varieties;** grows well out of ground, easily harvested. All who have cattle should raise a quantity of these carrots for feeding milch cows during winter. It increases the flow of milk and imparts to the butter a delicious flavor and a rich golden color. Breeders of fine horses feed carrots to help keep them in perfect health and condition at all times. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c. By express, five pounds or more, 50c per pound.



IF YOU KEEP A COW DON'T FAIL TO GROW PENCILARIA. $\frac{1}{4}$ LB. (Sows $\frac{1}{4}$ Acre) 25 CENTS.

EXTRA EARLY EXPRESS

EARLY SPRING.—This variety is as early as the Jersey Wakefield, but the heads are round and flat. It has very few, small outer leaves, thus allowing its being planted as close as any variety known, and producing the largest number of heads per acre. The quality is extremely fine. Pkt. 5c, oz. 2c, ¼ lb. 7c, lb. \$2.10.

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, ¼ lb. 65c, lb. \$2.00.

PREMIUM FLAT DUTCH.

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

ERFURT ROUND SUGAR.—A novelty from Germany which is entirely distinct in character and color. It ripens in mid season and makes a very hard, solid, heavy head with short stem. Head is round as a ball, smooth, fine flavor, sweet, superior quality for all purposes. Its great characteristic, however, which distinguishes it from all other sorts is that when pickled it assumes a fine golden color which makes the *Sauerkraut* better liked, more appetizing and more saleable than any other. Per pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.25.

WINNINGSTADT.—Cone-shaped summer sort, when sown late it is good for fall and even winter; a sure header and good keeper. Seed is very scarce this year. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

FILDERKRAUT.—An excellent pointed head variety, in great favor among the Germans. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

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, ¼ lb. 65c, lb. \$2.00.

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

IMPROVED DANISH BALLHEAD OR HOLLANDER.—This variety has been selected and perfected for more than fifty years by the Danish gardeners. They prize it so highly that they grow it almost exclusively for winter cabbage, and annually export large quantities to London, Paris and other cities. It will stand long journeys and keep far into the spring, and is of most mild and rich taste. Heads round as a ball, of good size, solid and very fine grained. Has but few outer leaves, thus admitting of close planting. Medium size and hardest of all, tender and crisp with but little waste heart. Has pleased thousands of our customers. Per pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

CABBAGE.

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

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

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

Slug Shot and tobacco dust are used to kill insects and worms.

ALPHA.—By far the earliest flat-headed variety in existence. It is remarkably solid, rivaling the Danish Ballhead, and is wonderfully free from the loose, superfluous leaves. Its compact growth permits setting plants in rows 24 inches apart and 10 to 12 inches in the row. It has a short stem, and the heads are 6 to 8 inches in diameter, just the right size to sell well on the early market. Very popular with the market gardeners. Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. \$3.00.

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 large crop. It is a most important variety for the gardener. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

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

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 the highest quality, American grown. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. \$2.00.

NEW WASHINGTON WAKEFIELD.

In this grand variety we have a most superior strain, well worthy the name it bears. It is a leader, and is very early, the heads pyramidal in shape, larger than the Jersey Wakefield, very solid, with few outside leaves. Grows remarkably uniform, the heads even size and shape. Unequaled for market or family garden. Thousands of our customers have been delighted with it. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$2.75.

HENDERSON'S SUCCESSION.—An excellent variety of large size with a flat head, maturing in midsummer. It can be brought

...THE BEST...

...MAIN CROP VARIETY...

to perfection in the hottest weather, or may be used as an autumn or winter crop. The heads average ten to twelve inches in diameter, but are frequently larger. The average weight per head is about twelve pounds. It is a very handsome cabbage in make-up and habit of growth, as well as high-bred in quality. Every plant has a characteristic shape, even to the curl of the topmost leaf of the head. Indeed, the introducers are justified in regarding Succession as a true and individual type of cabbage. Pkt. 5c, oz. 25c, ¼ lb. 86c, lb. \$2.50.

CABBAGE PLANTS.

Of our own growing, from best quality seeds. See page 25.



ALLHEAD
EARLY.

USE THE PLANET JR. HORSE HOE TO CULTIVATE YOUR CABBAGE CROP.



PERFECTION DRUMHEAD SAVOY.

CABBAGE.—Continued.

PERFECTION DRUMHEAD SAVOY.—The Savoy or curly cabbages are of much finer flavor and quality than the best of other kinds, and should be more generally cultivated. The variety we offer is the finest of the Savoys. Heads large, finely curled and an excellent keeper. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

LUXEMBERG HARD HEAD.—An excellent variety, which is in great favor on the Chicago market, and the seed frequently sells there at \$1.00 per ounce or more. It makes a medium size, very hard head of extraordinary weight. Owing to its remarkable keeping properties, and the fact that the head remains as green as when gathered in the fall, is king of all cabbage for late spring selling. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

FOTTLER'S IMPROVED BRUNSWICK.—Excellent for summer and fall use. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

SUREHEAD.—Very reliable in heading, good shape and large size. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

CHASE'S EXCELSIOR.—Medium early and not excelled for sure, solid heading, which is the highest recommendation for a cabbage which must mature in the trying heat of summer. Another remarkable feature is that it never cracks. Very popular with our southern customers. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.

MARBLEHEAD MAMMOTH.—Largest of all; have in some instances grown to a weight of 90 pounds, and the heads of such size that they would not go into a two-bushel basket. Good for exhibition at fairs, but too loose headed and uncertain for main crop. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.60.

MAMMOTH RED ROCK.—A market gardener's strain of unusual size, weight and 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, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

CABBAGE PLANTS.—See list of vegetable plants.

CUCUMBERS.

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

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hotbeds, in berry boxes, or in small flower pots, six weeks before they can be set out in open ground. When danger of frost is over transplant in hills four feet apart each way. For general crop plant in open ground in May, about twelve seeds in a hill. When danger of bugs is past thin to four strong plants in a hill. For pickling, plant in June. Sprinkle the vines with plaster or air-slacked lime to protect from bugs, or use Slug Shot to kill the bugs. The cucumber seed crop was almost an entire failure this year, and prices will doubtless be very much higher or seed stock exhausted before season is over.

EARLY EXPRESS.—See novelties. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

CUMBERLAND.—See novelties. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

GREEN PROLIFIC.—A splendid pickling sort. Very productive. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

JAPANESE CLIMBING.—A novelty from Japan which has proven thoroughly adapted to open air culture throughout Europe and America. The vines are of healthy, vigorous growth, with rich, dark green foliage, and throw out strong, grasping tendrils, which enable it to climb trellis, wire netting, brush or any other suitable support. It comes into bearing quickly and continues to set fruit abundantly throughout the season. Of



large size, thick, tender, of delicate flavor, cylindrical shape, flesh pure white, skin dark green, turning to brown and netted when ripe; of excellent quality for slicing. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

PERFECT WHITE SPINE.—For many years we have been growing and improving this variety on our seed farm, and as a result we offer to our customers this improved strain, pronounced by good judges superior to either Peerless or Arlington. Fruit even and good size, straight, well formed and symmetrical. It is of uniform shape, making it unexcelled for pickling. Immensely productive, and keeps longer solid and crisp than any other variety. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.60. By express, 5 lbs. or more @ \$1.35.

BOSTON OR JERSEY PICKLE.—Is used almost exclusively by the market gardeners near Boston for pickling. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

WEST INDIAN GHERKIN, or BURR.—Makes a handsome pickle of first class quality. Be sure and try it. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c.

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

MUSTARD.

A pungent salad, used with Cress or for greens. Sow thickly in rows, cut when about 2 inches high. One ounce will sow about 75 feet of drill.

OSTRICH PLUME.—See novelties. Pkt. 10c, oz. 20c.

SOUTHERN GIANT CURLED.—Highly esteemed in the south, where the seed is sown in the fall. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

WHITE ENGLISH or LONDON. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c.

CHINESE GOLDEN.—Leaves very thick, finely curled, and of a bright golden yellow color. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

TRY THE EXPRESS CUCUMBER—IT IS THE BEST QUALITY FOR SLICING.

IMPROVED LONG GREEN.—A standard sort. Vine vigorous and productive, forming fruit fit for the table nearly as early as the shorter sorts; fruit about 12 inches long, firm and crisp. The young fruit makes one of the best of pickles, and when ripe is the best of any for sweet pickles. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.25.

IMPROVED CHICAGO PICKLE.—This variety which originated with a leading pickle grower near Chicago, is considered the best variety there as it is very prolific, matures early and produces an immense number of desirable shaped pickles. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

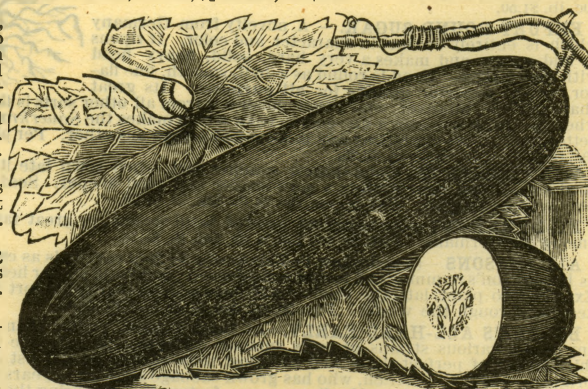
NEW ASTRO.—A variety of the highest merit for gardeners, some claiming that they made more money from a crop of these grown early in hotbeds than from any other crop, as they yield a continual daily picking and sell quickly at \$1.00 per dozen. Fruit large, perfect shape, 8 to 12 inches long. They are of the very best quality for slicing, as the flesh is white and crisp and they have very few seeds. Pkt. 10c, oz. \$1.00.

IMPROVED BISMARCK.—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. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

WHITE PEARL.—Bears freely throughout the season. The skin is very smooth and of beautiful pearly white; even the young fruits are of a very light color, nearly white. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 6c, lb. \$2.00.

EARLY CLUSTER.—Grows in clusters. Productive and of good quality. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

EMERALD.—A new variety from Ohio, which possesses that rich, dark green color which has so long been sought for 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. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.



EMERALD CUCUMBER.

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.—Largest and best. See novelties. Pkt. 10c, oz. 25c.

VICTORIA.—The old standard sort. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

VICTORIA RHUBARB ROOTS.—By mail 15c each, \$1.00 per dozen.



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

This we consider one of the luxuries of the garden. For first crop sow the seed early in hotbeds, or in boxes in the house, in rich, moist soil, covering the seed very lightly. For main crop sow seed in open ground in April or as soon as the soil is in good condition. Seed germinates slowly and if 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 three feet apart and the plants six inches apart in the row. Care should be exercised to firm the earth well around plants when setting and they will root better. Keep clear of weeds until about the middle of August, when it will be time to begin earthing up. Draw the soil up against the plants with a hoe as closely as possible, firming it enough to keep plants in an upright position. Later in the season the blanching process must be finished by digging the soil from between the rows and banking it clear to the tops on each side of the row of celery. Much labor is saved by growing the self-bleaching varieties, but they do not keep quite as well for winter use.

GIANT PASCAL.—Stalks remarkably large, thick, solid, entirely stringless, very crisp and brittle. A vigorous grower and is self-blanching, clear white. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

ROSE RIBBED SELF-BLANCHING.—See novelties. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 85c, lb. \$3.00.

GOLDEN SELF-BLANCHING.—This is by far the most popular variety now on the market. It is of medium earliness, of dwarf, compact habit, with thick, solid, heavily ribbed stalks, which blanch easily to a clear waxen yellow. When grown in rich, moist soil, the stalks are numerous and large with a solid heart of beautiful yellow. The seed is scarce this year. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

HENDERSON'S HALF DWARF.—Entirely solid, possessing a rich nutty flavor, while it has much vigor of growth and heavy bunch. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

WHITE PLUME.—Stalks, portions of the inner leaves, and heart naturally white and become fit for use by simply tying it up closely with soft twine. More used than any other variety by market gardeners. Our seed is of the highest quality and sure to please all. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

WINTER QUEEN.—The finest dwarf winter celery. Of a rich green coloring, like the Giant Pascal, it is more readily blanched and ready for use earlier in the fall. The plants make large bunches of extra heavy stalks of even length, making a very handsome appearance; fine flavor, best table quality; keeps until May. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

GOLDEN DWARF.—Waxy golden yellow, cylindrical, solid, crisp. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

BOSTON MARKET.—Leaves dark green, stalks when blanched nearly white. Excellent quality, solid, crisp and tender. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

CELERIAC or TURNIP ROOTED.—Grown for the roots. Excellent for salad and flavoring. Very popular among our German customers. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

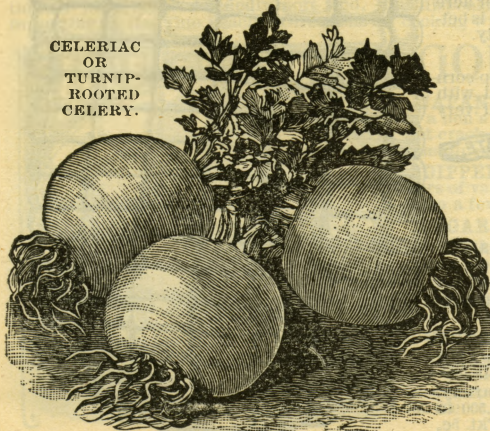
OLD CELERY SEED.—For flavoring. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c.

CELERY PLANTS.—See Vegetable Plants. CHUFAS, OR EARTH ALMOND.

A nice little ground nut which is greatly liked by the children. In sweetness and flavor they resemble the coconut or almond and are considered very nice put on the table in a fruit dish with candies, and as an after dinner relish. Very prolific, a single one yielding from two to four hundred. The nuts grow underground, very near the surface, easily reached by pigs and poultry, and destroyed by them if they have free access. Plant in April, ten inches apart in two and one-half foot rows. Cover them lightly. If the seed is very dry, soak them well before planting. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.



CHUFAS.

CELERIAC
OR
TURNIP-
ROOTED
CELERY.



COUNTRY GENTLEMAN.

early and on account of its hardness and hard round grain, it can be planted much earlier than sweet corn. Pkt. 5c, $\frac{1}{2}$ pt. 10c, qt. 30c. By express, $\frac{1}{2}$ pk. 50c, pk. 90c.

COUNTRY GENTLEMAN.—An improvement on the old favorite Shoe Peg Sweet Corn. Our illustration of a single stalk shows its great productiveness; the crop can be counted on to give three to five ears to a stalk. When this unusual abundance is coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is very small, thereby giving great depth to the kernels which are of pearly whiteness, and we cannot say too often—**surprisingly sweet and tender.** Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c. By express, $\frac{1}{2}$ pk. 75c, pk. \$1.25.

CROSBY'S EARLY.—For medium early use and general crop this is one of the most desirable varieties. Ears are of medium size and the cooking qualities excellent. A good cropper and profitable for family use and as a market sort. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 35c. By exp. $\frac{1}{2}$ pk. 60c, pk. \$1.00.

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, $\frac{1}{2}$ pt. 15c, qt. 45c. By express, $\frac{1}{2}$ pk. 70c, pk. \$1.20.

BLACK MEXICAN.—Although the ripe grain is black or bluish black, the corn, when in condition for the table, cooks remarkably white, and is surpassed by none in tenderness. This, by many is considered the most desirable for family use of the second early sorts. Will stand more hot, dry weather than any other. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c. By exp. $\frac{1}{2}$ pk. 75c, pk. \$1.25.

MAMMOTH SUGAR.—This produces the largest ear of any sweet corn, a single ear sometimes weighing as much as two or three pounds; quality very sweet and luscious. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c. By express, $\frac{1}{2}$ pk. 60c, pk. \$1.00.

EVERGREEN FODDER.—For dairymen. Quart 25c. By express, $\frac{1}{2}$ pk. 35c, pk. 60c, bu. \$2.00.

POP-CORN.

It pays to raise pop-corn as a general crop. Demand usually exceeds the supply. Some farmers claim that it is as easily grown as field corn and they receive three to four times the amount per acre for the crop. For main crop the Monarch White Rice will bring the best price per pound, as it is better known. Let the children try a small patch anyway for home use. Ask for price in quantity.

SNOWBALL.—See novelties. Pkt. 10c, $\frac{1}{2}$ pt. 20c, qt. 65c.

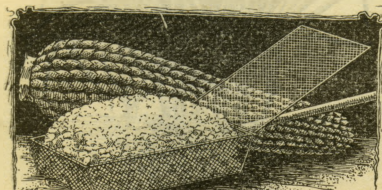
PAGE'S NEW STRIPED RICE.—The best, handsomest and most attractive variety of pop-corn in existence. The color is a clear, translucent white, and each kernel is beautifully striped with bright crimson. The ears are of good size, and well filled out. Early, very productive, and very tender when popped, bursting out very large, white as snow and of finest quality. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 65c. By exp. $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

MINIATURE.—A regular little beauty. Attractive on account of its small size and handsome, perfect shaped ears which are only two to three inches long with very deep, pure white kernels which pop to immense size. Three to eight ears to stalk. Pkt. 5c, $\frac{1}{2}$ pt. 10c, qt. 65c.

QUEEN'S GOLDEN.—Color a peculiar lustrous golden yellow; pops to a rich cream color; very prolific. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 10c.

MAPLEDALE PROLIFIC.—The most productive pop-corn, averaging 5 to 12 good ears to the stalk. Pops to large size and very tender. Pkt. 5c, $\frac{1}{2}$ pt. 10c, qt. 50c.

MONARCH WHITE RICE.—The best white variety. Bears from 3 to 6 ears per stalk, and produces 1,500 to 2,000 lbs per acre. It will pay you to try it. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c. By exp. $\frac{1}{2}$ pk. 70c, pk. \$1.25.



PAGE'S STRIPED RICE.

SWEET CORN.

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

Plant as soon as the ground becomes warm in the spring, in hills about 3 feet apart; five or six grains to the hill, and when up thin them out, allowing three or four of the strongest plants to remain. Give thorough cultivation. Our sweet corn is carefully grown and selected, only the choicest, most perfect ears being shelled for seed. It costs us more and is far superior to such stock as is often sold by other dealers. Packets contain about 2 ounces. We pay the postage by the pkt., $\frac{1}{2}$ pt. and qt. 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.

EARLY SUNRISE.—See novelties. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c. By express, $\frac{1}{2}$ pk. 75c, pk. \$1.25.

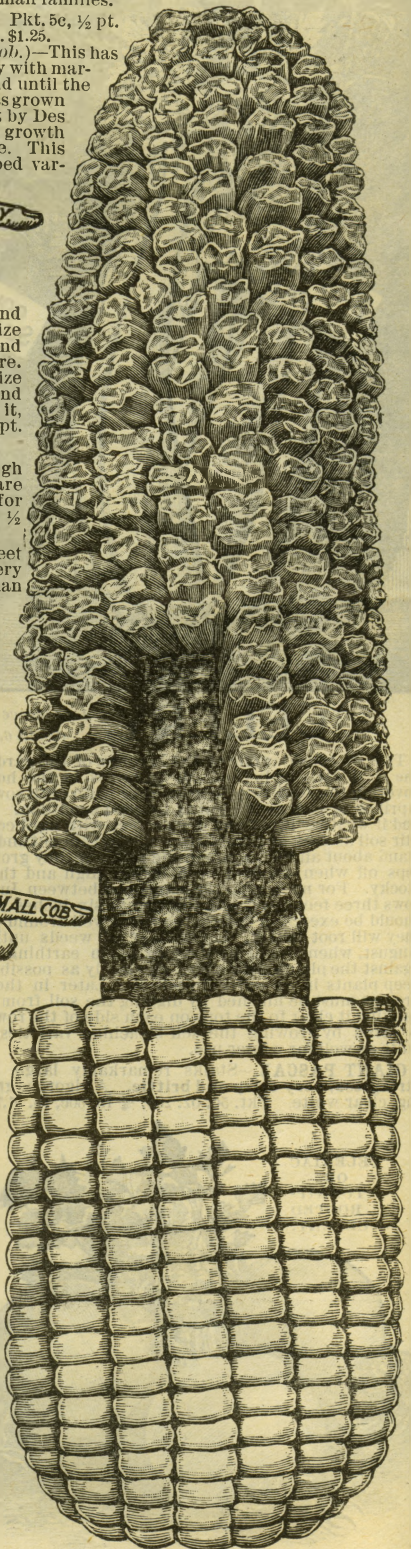
EXTRA EARLY CORY.—(White Cob.)—This has for years been the most popular variety with market gardeners for first early market and until the introduction of the Early Sunrise it was grown more largely than any other early sort by Des Moines gardeners. It is of a dwarf growth and yields well. Ears of medium size. This year we offer the improved white cobbled variety. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c. By exp. $\frac{1}{2}$ pk. 60c, pk. \$1.00.

CHAMPION EARLY.—Without doubt the earliest large corn ever introduced, being but a few days later than Cory, with ears nearly as large as the Mammoth. Ears were grown ready for table use in sixty-one days from the time of planting, and they weighed one and one-half pounds each and were $12\frac{1}{2}$ inches long, by $8\frac{1}{2}$ inches around. To help you realize these figures, get the largest ear of field corn you can find and compare measurements. This was grown with special culture. An average size is about nine inches long. It has a medium size white cob and large pearly white kernels, very sweet, tender and full of milk. No market gardener can afford to be without it, and every family garden should contain at least a few hills. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c. By express, $\frac{1}{2}$ pk. 65c, pk. \$1.10.



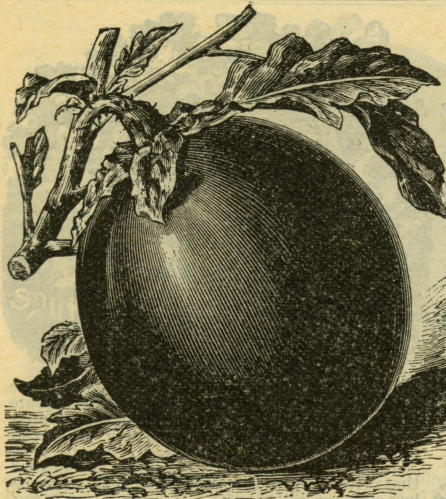
EARLY MINNESOTA.—A standard early variety that has held a high place in the list of sweet corns ever since its introduction. The ears are of good size, well flavored and of the best cooking qualities. Valuable for either private or market use. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 35c. By express, $\frac{1}{2}$ pk. 60c, pk. \$1.00.

EXTRA EARLY ADAMS or BURLINGTON.—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, $\frac{1}{2}$ pt. 10c, qt. 30c. By express, $\frac{1}{2}$ pk. 50c, pk. 90c.



IMPROVED STOWELL'S EVERGREEN.

IT PAYS TO PLANT OUR EVERGREEN FODDER CORN FOR DAIRY COWS.



IMPROVED NEW YORK EGG PLANT.

VINE PEACH.

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



GREEN CURLED ENDIVE.

ENDIVE.

One ounce will sow about 60 square feet.

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. When leaves are eight inches long tie them together with string near the top to blanch.

GREEN CURLED.—Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25

GIANT FRINGED.—A handsome winter sort of fine quality. Pkt. 10c oz. 30c, ¼ lb. \$1.40.

Ornamental Pomegranate.

An ornamental little fruit which a century ago was commonly grown in the gardens, but is now rarely seen. Grows on a pretty vine; fruit is round, yellow, irregularly striped with orange red or mahogany; fragrant, a single specimen will sweetly perfume a room for many days; prolific easily grown. Often called Queen Anne's Pocket Melon. Pkt. 5c, oz. 25c.



POMEGRANATE.

GARDEN LEMON.

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



GOURDS.

Cultivate as 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 nest eggs, as they do not crack. The largest ones when sowed in two make excellent pots for starting tomato, strawberry and other plants. Pkt. 5c, oz. 15c.

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

SUGAR TROUGH.—Very convenient for buckets, nest boxes, 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. The seed should be started early in the hotbed or in the house. Pkt. 10c, oz. 35c.

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

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

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



KOHL RABI.

KOHL RABI. *One ounce will produce about 2500 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.

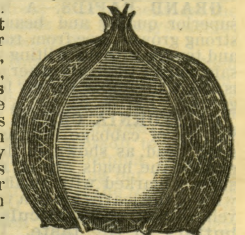
GOLIATH PURPLE.—Of immense size, solid and sweet; keeps well. In buying it will pay you to have the best. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.00.

EARLY WHITE VIENNA.—Flesh white and tender; good market sort. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

GROUND CHERRY.

IMPROVED YELLOW.—Another year adds only to the popularity of this already popular little fruit which we introduced, and it is now listed in the catalogues of the leading seedsmen of the country to whom we supply seed. It is a great improvement on the wild Ground Cherry.

They grow well on almost any dry soil; are easier raised than the tomato, and are prolific bearers, and, oh! what luscious fruit! For sauce they are excellent, and for pies nothing can equal them for taste and flavor. They are delicious as preserves and when dried in sugar are much better than raisins for cakes and puddings, and they will keep, in the shuck, if put in a cool place, nearly all winter. No one, after raising them once, will ever make a garden again without devoting a portion to the Ground Cherry. Pkt. 5c, ½ oz. 25c, oz. 40c.



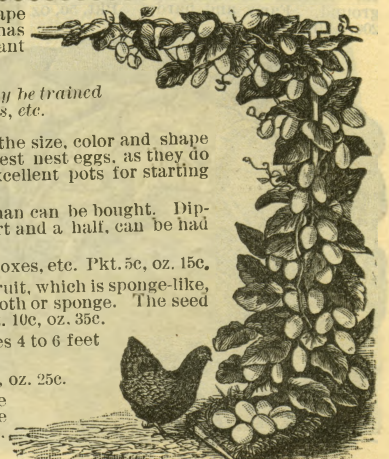
MAMMOTH YELLOW.—See Novelties. Pkt. 10c.

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

GIANT SCARLET.—Also called Chinese Lantern Plant. A very popular novelty and has proven quite satisfactory in some parts of this country. Pkt. 10c.

Collection.

One packet each of the four Ground Cherries for only 20c.



LETTUCE.

One ounce will sow 120 feet of drill.

Probably no vegetable is more universally used than Lettuce, and to be thoroughly appreciated it must be brought to the table fresh and unwilted. The quality of lettuce depends largely upon a 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 a succession sow every three weeks during the season. The soil should be rich and mellow. Thin out plants as they grow.

CONTINUITY.—A novelty of dark brown, nearly black color and excellent quality. See description with novelties. Pkt. 10c. oz. 25c.

EARLY CURLED SIMPSON.—An improved variety of the Curled Silesia, with large, loose heads; excellent flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



ICEBERG LETTUCE.

ICEBERG.—The large, curly leaves that cover the outside of the solid heads are of a bright, light green, with a very slight reddish tinge at the edges. The center is thoroughly blanched. Whether in the early spring or the hottest days of summer, the quality is simply perfect. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

DENVER MARKET.—An early variety of Head Lettuce either for forcing or open ground. It forms large, solid heads, of a good light green color and is very slow to go to seed. The leaves are beautifully marked and blistered (like the Savoy cabbages), and very crisp, tender and of excellent flavor. By these blistered leaves it distinguishes itself from any other kind of lettuce now grown. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 85c.

GRAND RAPIDS.—A forcing variety of superior quality and beautiful appearance, strong grower, free from rot, and keeps crisp and tender without wilting when exposed for sale, longer than any other forcing lettuce. It is also a desirable variety for sowing in open ground. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

CALIFORNIA CREAM BUTTER.—A variety of cabbage lettuce, with round, solid head, as shown in the illustration; outside the heads are of medium green, slightly marked with small brown spots; within, the leaves are of a very rich cream yellow color, and particularly rich and buttery to the taste. The 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. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

SALAMANDER.—An excellent spring, summer and fall variety, forming good sized heads that stand drouth and heat longer without injury than any other sort; matures very early. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

RELISH.—When visiting the place of 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. A desirable sort for family use and market gardeners, either for forcing or growing in the open ground. Early and hardy. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.



RELISH LETTUCE.



MIXED VARIETIES.—Seed of about 20 early, medium and late sorts mixed together, thus giving lettuce for the table during the entire season, and giving an opportunity to examine all the leading varieties with but little expense. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

LEEK.

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

LARGE ROUEN.—Largest and most uniform of all. It so far surpasses other sorts that we consider it useless to list them. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.35.



IMPROVED HANSON.—For general use both of market gardeners and in the private garden, we are sure that no variety can surpass our improved, carefully selected strain of Hanson Lettuce. It has been so judiciously improved that the heads are so solid that often they do not send up a seed stalk unless cut open with a knife. Heads are very large, green outside and nearly white within, deliciously sweet, crisp and tender, and almost absolutely free from rank or bitter tastes. Resists the summer heat exceptionally well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

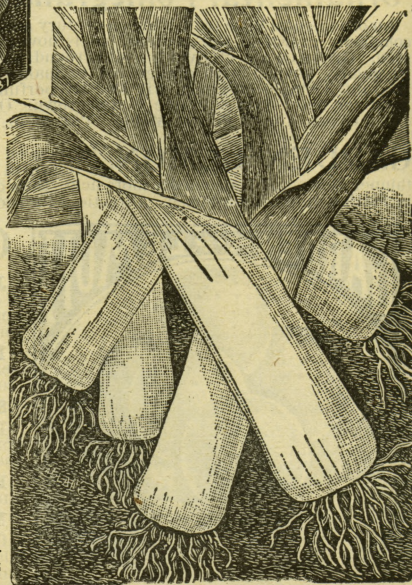
MORSE.—Might well be called an improved Black Seeded Simpson. Is very desirable for growing under glass or out doors. We consider this one of the finest family sorts in existence. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.20.

PRIZE HEAD.—Very tender leaves of dark reddish brown color, variegated with dark green. Heads large and of good flavor. We sell more of this than any other brown leaved variety; always satisfactory. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 8c.

BLACK SEEDED SIMPSON.—Nearly double the size of the ordinary Curled Simpson; stands the summer well without becoming tough or running to seed quickly. Is by far the most popular variety for greenhouse forcing, making large, handsome heads in a very short time. Gardeners are always pleased with our seed. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

RUDOLPH'S FAVORITE.—A very attractive Cabbage Lettuce; large size, crisp and delicate in flavor and very desirable for summer use, as well as for forcing. Forms a fine, large, solid head; leaves of a beautiful yellow color. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 4c.

MIGNONETTE.—A small bronze-green sort with heart of creamy white. It is handsome and of choice quality for family use. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.



LARGE ROUEN LEEK.

HAVE YOU TRIED ENDIVE, THE WINTER LETTUCE? YOU WILL LIKE IT.

MUSK MELON.

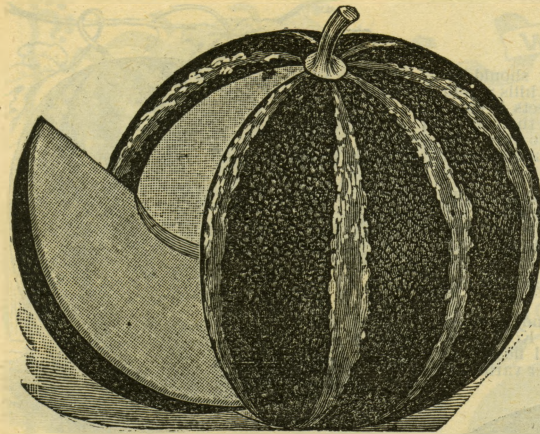
One ounce will plant about 80 hills;
two pounds to the acre.

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

EMERALD GEM.—This is undoubtedly the finest in flavor of all varieties of musk melon. It is also the earliest to ripen, and while too soft to stand shipping any great distance to market, it is unequaled for home use or nearby markets. Vines of strong, vigorous growth and very prolific. If fruits are gathered as soon as they ripen, the vines will continue in bearing throughout the season. The melons are rather small and flattened at both ends. The skin is a rich, deep emerald green, smooth and free from netting. The fruits are heavily ribbed, with narrow bands of lighter green between the ribs. Flesh very thick, with thin rind and small seed cavity, crystalline in appearance, and of a rich salmon color. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.60.

EUROPEAN MIXED.—See novelties. Pkt. 10c.

GRAND RAPIDS.—The main characteristic of this melon is its extreme earliness; has been on the market two weeks earlier than any other sort and sold readily at \$2.50 per dozen to hotels and fancy grocers, while melons grown in the south were practically unsaleable. The flesh is pure yellow.



EMERALD GEM MUSK MELON.

low clear to the rind; skin finely netted. To obtain the best results, and to show its remarkable earliness and productiveness, we would advise our customers to pinch off runners, thus throwing growth into fruit, making it of large size and earlier. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

BANQUET—The flesh is of a dark rich salmon color, uniformly thick and of that granulated character which always indicates a good melon. Of round shape, densely netted over its entire surface. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

BAY VIEW.—One of the most prolific melons in cultivation. It has been grown to weigh from 15 to 20 lbs. and from 15 to 18 inches long. Hardy, vigorous and continues a long time in bearing. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

CHAMPION MARKET.—A superb variety. Almost a perfect globe in shape, and densely netted, making it one of the handsomest cantaloupes known. Flesh is thick, light green color, and rich flavor. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.20.

BANANA.—Attains a length of from eighteen inches to three feet three inches, and is from two to four inches thick. Flesh very thick, of a salmon color. It looks almost like an overgrown banana, and smells like one, hence the name. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. \$2.00.

PRINCESS or PERFECTION.—This splendid variety is nearly round, with heavy, netted, dark green skin; the flesh is of a rich salmon color, and in flavor it is sweet and luscious beyond description. They ripen early and grow to a good size, often weighing 8 to 10 lbs. each. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.40.

PERFECTED DELMONICO.—An improved type of the Delmonico melon. Almost a perfect globe in shape; the skin is a peculiar grayish green until ripe, when it changes to a bright yellow. The flesh is a deep, rich, orange yellow color, is of very fine grain, and uniformly high quality. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. \$1.75.

IMPROVED GREEN NUTMEG.—A greatly improved strain of the old Green Nutmeg. Fruit of a fair size, very rich, melting and of exquisite flavor, flesh light green. Very productive. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.60.

MONTREAL MARKET.—Of large size, flesh thick, fine flavor. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.60.

NETTED GEM.—A most excellent small melon and very popular with melon growers. It is finely netted and looks nicely on the market. Flesh green and particularly rich and juicy, so that it seems to melt in the mouth. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

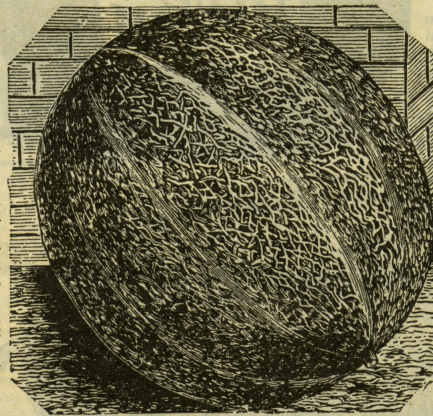
TIP TOP.—It is a yellow-fleshed melon of the very best quality, every melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy, of finest flavor, eatable to the very rind. It is a strong grower and a heavy yielder, and of handsome appearance. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. \$1.75.

PAUL ROSE.—We have been greatly pleased with this new variety, and we consider it one of the finest sorts. It is the result of a cross of the Osage and Netted Gem, and it combines the sweetness and high flavor of the former with the fine netting and superior shipping qualities of the Netted Gem. It is of peculiarly sweet, rich, delicious flavor and a long keeper. If you are a gardener, plant it and catch top of market prices. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.20.

OSAGE.—One of the best melons on the market for family use and also greatly liked by gardeners. The skin is thin, of dark green color and slightly netted. The flesh is salmon color, remarkably sweet and spicy in flavor, extremely thick and delicious to the rind. The seed cavity is very small. It is seldom that one of poor quality is found. The whole crop is very even and extra heavy owing to the thickness of the meat. All lovers of fine melons should try the Osage. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. \$1.75.

MIXED MUSK MELONS.—All of the above and a few other kinds grown separately and the seed mixed together. Will produce melons throughout the entire melon season. Per pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.20.

May 20, 1902.—All the flower seeds purchased from you gave splendid results and the vegetable seeds produced almost perfect crops. The Atlas Pumpkin seed which I purchased from you produced very large pumpkins and people came from miles away to see them. We had a very unfavorable season and they weighed 100 pounds.—Mrs. M. Lawrence, New South Wales, Australia.

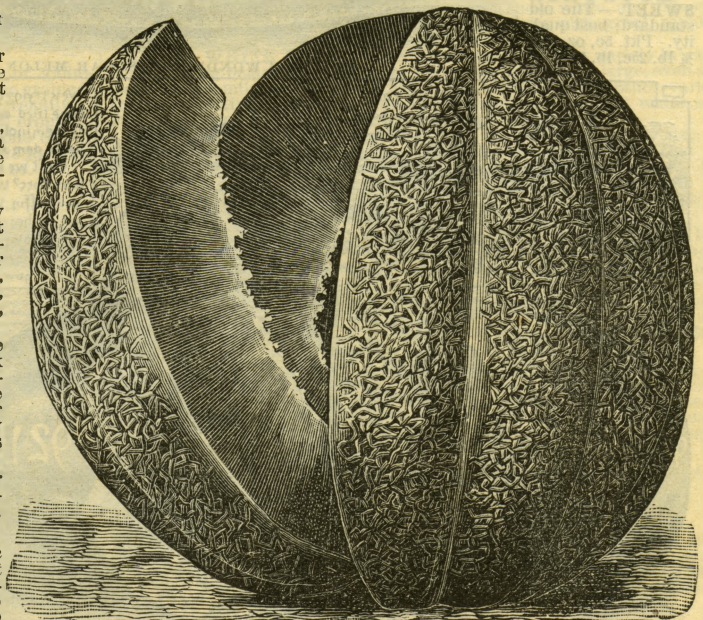


ROCKY FORD MUSK MELON.

IMPROVED EARLY HACKENSACK.—Large size, rich flavor; a great improvement on the Turk's Cap or Hackensack and ten days earlier. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.20.

ROCKY FORD.—This new variety, which might be described as an Improved Netted Gem, has everywhere been in great demand by the high class hotels and restaurants. Hundreds of carloads of them have been shipped from the little town of Rocky Ford, Colorado, to Chicago, St. Louis, New Orleans, Philadelphia, Newport, Boston and other cities, driving out the home grown. The melons are of just the right size for table use, slightly oval in shape. The flesh is thick, of a light green color and a fine, juicy, luscious flavor. It is very early, and is wonderfully productive. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

MCCOTTER'S PRIDE.—This variety is the result of long continued, skillful breeding and selection with the purpose of securing a very large melon of spherical shape, flesh of fine grain and high quality. The fruit is very large, nearly round, evenly and moderately ribbed, dark green in color, partially covered with gray netting. The orange red flesh is very thick, sweet and of fine flavor. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.



OSAGE MUSK MELON.

DO NOT NEGLECT TO SEND FOR A FEW FLOWER SEEDS FOR YOUR WIFE.

WATERMELON.

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

A light, sandy soil, with good exposure to the sun, is the best for watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. Plant in hills 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 annually depend on us for their seeds and are universally pleased, claiming that nowhere have they ever obtained seed so pure and reliable. It pays to have the best. **Seed very scarce this year.** Packets contain about 100 seeds.

IMPROVED TRIUMPH.—See Novelties. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

COLE'S EARLY.—Decidedly the finest early variety for the private garden, but is too brittle for long shipments. It is very early and will mature further north than most other sorts. Of medium size, very productive, continuing to bear throughout the season. Flesh of bright red color, of granulated, sparkling appearance. In flavor it is lusciously sweet and refreshing. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.00.

PEERLESS or ICE CREAM.—(White seeded). Of unquestionable quality, very early, of medium size, thin rind, flesh bright scarlet. Pkt. 5c, oz. 11c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

BLUE GEM.—This remarkable new melon is one of the finest ever brought out, and by some has been called Blue Kolb Gem, but it is of infinitely better quality than the old Kolb Gem. Averages a better size, and with less culls. Is of dark bluish green color, bright red flesh and black seeds. Has rough rind, keeps longer and the quality is superior to most other varieties. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

BLACK DIAMOND.—A cross between Kolb's Gem and Hoosier King. All that could be said of the Kolb's Gem as to good shipping qualities can be truthfully stated in a higher degree of the **Black Diamond**. All the praise of high quality bestowed on the Sweetheart can be repeated of our new melon, but its prominent point of merit is its large size and productiveness. Its color is a rich, dark green, almost black. Of uniform symmetrical shape, roundish to bluntly oval. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.65.

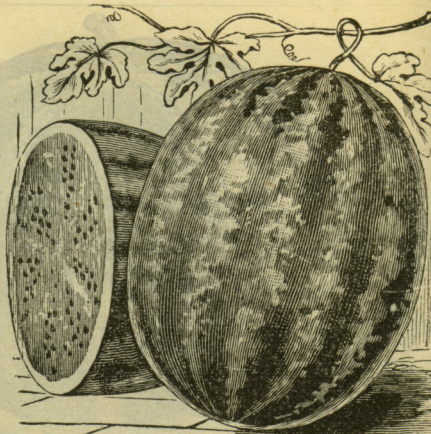
PHINNEY'S EARLY.—Medium size, and quite productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

FORDHOOK EARLY.—A large early sort. From seeds planted May 10th, ripe melons were produced the last of July. The rind is tough, making it valuable for shipping. Color a uniform medium green; flesh red and very sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

GYPSY or GEORGIA RATTLESNAKE.—A superior early market variety; large, oblong, the skin green, mottled and striped. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

DIXIE.—A cross between Kolb's Gem and Mountain Sweet surpassing the former in shipping qualities and fully equaling the latter in fine eating quality and flavor. It is early, has a remarkably thin, tough rind and will keep and ship well. The flesh is bright scarlet and of fine quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

MOUNTAIN SWEET.—The old standard; best quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



COLE'S EARLY.

MONTE CRISTO.—(Kieckley's Sweets.) 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 long keeper. Market gardeners will also be pleased with it. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

KOLB'S GEM.—This variety, on account of its excellent shipping qualities, is extensively grown for that purpose. Grow nearly round, and the color is a dark green with lighter narrow stripes. Very thin and tough rind; flesh bright red and of good flavor. Our seed is choice. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

PRIDE OF GEORGIA.—Is of a dark green mottled color, nearly oval, somewhat ridged; grows partly upon its end, is firm, will ship well, attains a large size and is very sweet and crisp. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

McIVER'S WONDERFUL SUGAR.—We are greatly pleased with this variety which we found growing in Nebraska. The gentleman on whose place they were growing is an enthusiast on melons and after testing quite a number of varieties, all persons present united in pronouncing the Wonderful Sugar by far the best. It is a large melon, averaging about 35 lbs. each. They are long, rather light colored, mottled and irregularly striped with dark green; rind rather thin and tough; flesh a delicate red, and the most tender, juicy and luscious that can be imagined. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

SWEETHEART.—Early, large, handsome, heavy, good shipper, long keeper, bright color and of good quality. Its 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. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

DUKE JONES.—This magnificent large melon has a dark green rind, slightly striped, flesh bright red, very juicy and delicious. It matures medium early, is very prolific and much larger than Kolb's Gem. A carload of 800 melons, averaging 43 pounds each, were gathered from $\frac{1}{4}$ of an acre. One grower writes that they produced ripe melons in 65 days from the time of planting. Everyone who has a place to grow melons should try this new, splendid variety. It has been grown to immense size and even the largest specimens hold their good flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

GREEN AND GOLD.—Large size; flesh as yellow as gold. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

CUBAN QUEEN.—Flesh bright red, luscious, crisp and sugary. An excellent keeper; large size. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

MIXED.—25 varieties of the finest watermelons, the largest, earliest, sweetest; grown separately and seed carefully mixed by us. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

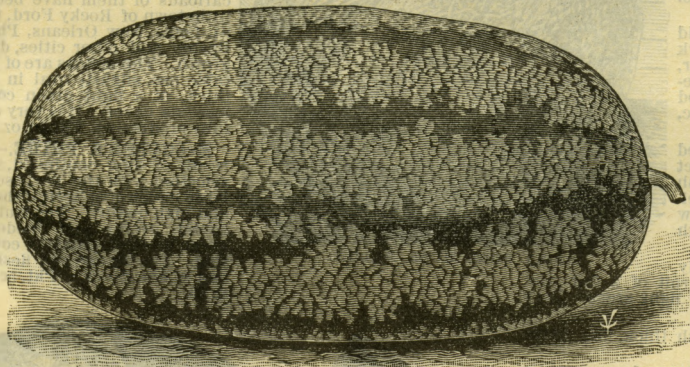
CITRON MELONS.

Very nice for preserving and they are largely used for this purpose.

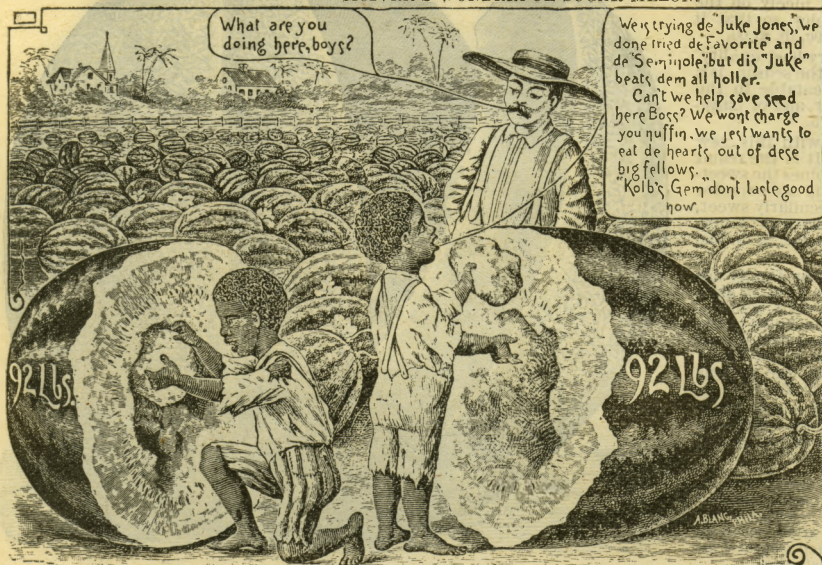
APPLE PIE.—Best flavored of all. See Novelties. Pkt. 10c, oz. 30c.

COLORADO PRESERVING.—Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

RED SEEDED CITRON.—Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



McIVER'S WONDERFUL SUGAR MELON.





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

OUR ONION SEED CANNOT BE EXCELLED

in purity, vitality or high quality. Large onions can easily be grown the first year from the seed by obtaining our American grown new crop onion seed. Our crop was good this year and prices are reasonable. In comparing our prices with others, remember that we pay the postage. Deduct 10c per pound if to be sent by express. Ask for prices in large lots. Packets contain about 1,000 seeds.

CULTURE.—One ounce will sow about 100 feet of drill; 4 pounds will sow 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. When the tops die, pull and spread evenly over the ground; stir or turn until fully dried, then cut the tops one-half inch from the bulb. For pickles or sets, the seed should be sown very thickly and in broad drills, about 50 lbs. to the acre for sets, and 15 to 20 lbs. for pickling. For sowing onion seed and cultivating the crop, it will pay you to purchase a good drill and hand cultivator. See description elsewhere. Lang's Hand Weeder, price 30c, postpaid, is the best hand weeder made. Try it. Book on Onions, 20c. New Onion Culture Book, 50c.

AUSTRALIAN BROWN.—A new, medium sized, wonderfully hard and solid variety of onion, and one which is quite attractive for the market, both in form and color. They are extremely early in ripening, and produce a crop of fine bulbs which are very uniform in size. Color is a peculiarly clear amber-brown, quite distinct from any other variety. In keeping qualities it exceeds any other variety that we know of. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, 4 lbs. not prepaid, \$4.00.

YELLOW GLOBE DANVERS.—A very handsome, round or globe-shaped variety of large size, with thin, yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. It ripens early, sells readily at the highest prices in our markets. This is one of the best cropping varieties in existence, has yielded 1,000 bushels per acre, and one of our customers states that his crop averaged over 800 bushels per acre for nine years. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.20, 4 lbs., not prepaid, \$4.00.

EXTRA EARLY BARLETTA.—This 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, 1½ inches in diameter, and ¾ of an inch in thickness. For table use and pickling it is most valuable. Pkt. 5c, oz. 2c, ¼ lb. 65c, lb. \$2.00.

LARGE RED WETHERSFIELD.—The standard sort throughout the west, as they are the most hardy, and immense crops can be raised when more tender sorts are not profitable. Growers who prefer the red varieties will find this a magnificent strain, far surpassing the ordinary Red Wethersfield in size, productiveness and keeping qualities. It is of the finest form, skin deep purplish red, flesh purplish white, much finer grained than many of the red sorts. Our seed of this variety is extra select and cannot be excelled. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.20, 4 lbs., not prepaid, \$4.00.

WHITE PORTUGAL OR SILVER SKIN.—Matures early, mild flavor, medium size, generally preferred for table use, not good keeper; best variety to grow sets. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. \$2.25, 4 lbs., not prepaid, \$8.00.

GOLDEN GLOBE.—See novelties. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.00.
EXTRA EARLY PEARL.—The earliest and best of all American varieties. It is of good size, of pearly white color, the outer skin having a most showy, waxy appearance; flesh is pure snow white, and flavor so mild that it can be eaten like an apple. It grows with great rapidity. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. \$2.25.

LARGE WHITE GLOBE.—The handsomest market variety in existence, making beautiful, clean, pure silvery white bulbs of large, even size, globe shape, mild and pleasant flavor, and outsells every other variety. It is comparatively a good keeper and undoubtedly the best white sort. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. \$2.25, 4 lbs., not prepaid, \$8.00.

EXTRA EARLY RED.—Matures very early. Of medium size, flat shape, deep red in color; very close grained, solid and heavy. This will often form bulbs in cold and mucky soils where other varieties fail. It is recommended particularly for the north and northwest. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, 4 lbs., not prepaid, \$4.25.

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. 15c, ¼ lb. 50c, lb. \$1.60, 4 lbs., not prepaid, \$5.75.

CANARY ISLAND OR BERMUDA.—A quite handsome variety of onion which is largely grown in Bermuda for shipment to the United States. It is small, flat and matures early. Bulbs white, sometimes shading to pink. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.50.



Special Prices.

As prices named above are subject to change during the season, we request persons desiring to purchase a large quantity to write for special quotations.

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 five 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 solid and good till January or February.

THE Five Giants

ONE PACKET EACH OF

Mammoth Prizetaker,
White Prizewinner,
Copper King,
Giant Vesuvius,
Silver King,

FOR ONLY 25 CENTS.

With each of these "Five Giant" Collections we will send circular giving full directions for growing BIG ONIONS.

\$10.00 PRIZE

FOR BIG ONIONS.

We offer a prize of \$10.00 for the largest onion grown this year from seed purchased direct from us. Any of the mammoth varieties we list on this page may compete for this prize. Reports must be in by October 15th. Don't fail to try these onions this year.

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 the enormous weight of over six pounds and is withal a handsome, fine-flavored sort. Of a clear, bright straw color and uniform, perfect globe shape. Produces enormous crops, one report being over 1,200 bushels, and they bring an extra price, being sold on the market as fancy onions. Keeps wonderfully well. Our seed is unexcelled, and is in great favor with our customers in all parts of the United States. They ripen up hard and fine, and present the handsomest possible appearance in market, while the pure, white flesh is fine grained, mild and delicate in flavor. To grow to the largest size sow seed early in hotbeds and transplant to open ground as soon as weather is favorable. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.50; 4 lbs., not prepaid, \$5.00.

COPPER KING or MAMMOTH POMPEII.—(No. 2.)—Have been grown to the enormous weight of five pounds and six ounces, and notwithstanding their large size they retain their shape and fine quality. To obtain an idea of how large this really is, just weigh the largest onion you can obtain and compare weights, or weigh out five pounds and six ounces of common onions and imagine them all in one. Copper color, flesh pure white, fine grained and mild. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

MAMMOTH SILVER KING.—(No. 3.)—This giant sort is the largest of all white onions, no other white variety approaching it in mammoth size.

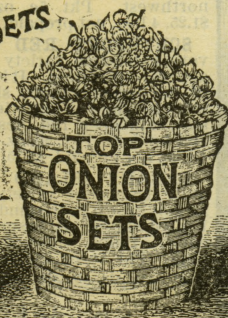
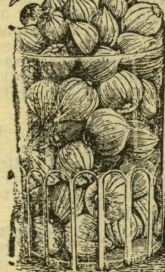


It is of attractive form, flattened, but thick through, as shown in the illustration. Single bulbs often attain weights of from $2\frac{1}{2}$ to 4 pounds each. The skin is a beautiful silvery white; the flesh a snowy white; so sweet and tender is the flesh that it can be eaten raw like an apple. Matures early and is of uniformly large size and perfect form, and consequently will bring a large price in the market. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

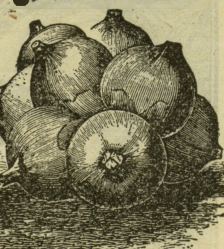
GIANT VESUVIUS.—(No. 4.)—This grand new mammoth variety is a foreign sort. It is well shown by our illustration. In rich soil, under good cultivation, they grow to an immense size the first year. They are of a handsome globe shape, somewhat elongated, veritable beauties, and will attract attention anywhere. Color almost a blood red, flesh nearly white, quality most excellent; much more tender and mild than the American sorts. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

MAMMOTH WHITE PRIZEWINNER.—In magnificent shape and enormous size, the White Prizewinner is the exact counterpart of the Mammoth Yellow Prizetaker, which has become so popular in the last few years, differing only in its handsome silvery white skin. Hundreds of market gardeners and onion growers have tried it, and say that no other white onion equals it. One enthusiastic grower says: "I raised a White Prizewinner measuring 17 inches in circumference and weighing over 4 pounds, which astonished my neighbors and took first prize at county fair." Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

BOTTOM ONION SETS



POTATO ONION SETS



ONION SETS.

Indispensable for early onions for bunching, as in a very few weeks they are ready for the table. While it is much cheaper to grow onions from seed, still it is considerable work to keep them weeded and many of our customers who have only a small garden prefer to grow them from the sets, and gardeners plant sets for the early market. Our stock is carefully grown and very nice. Price by pint and quart include postage (deduct 15c per qt. if by express). Price by the peck and bushel is subject to market variation, and shipped at buyer's expense. Top sets are sold 25 lbs. per bushel; all other kinds are measured—stroke measure on all small lots. If you want a large lot write for prices.

WHITE BOTTOM SETS.—White onion sets grown from seed are the most popular and best for early use and large onions. Pt. 20c, qt. 30c, postpaid; pk. 90c, bu. \$3.00.

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

RED TOP or BUTTON SETS.—These are the old-fashioned sets still largely called for in some sections. Pt. 20c, qt. 35c, pk. \$1.00, bu. \$3.50.

PERENNIAL or WINTER.—Also called Egyptian and Tree onions. Usually set in the fall; come up year after year without winter protection; produce the earliest spring onions. Pt. 15c, qt. 25c, pk. 60c, bu. \$1.75.

YELLOW BOTTOM SETS.—Like the White, except color. More used than any other kind. Pt. 15c, qt. 30c, pk. 75c, bu. \$2.50.

RED BOTTOM SETS.—Like above, except that they are of dark red color. Very hardy. Pt. 15c, qt. 30c, pk. 85c, bu. \$2.75.

WHITE MULTIPLIER ONION SETS.—Pure silvery white color; frequently producing as many as twenty bulbs in a single cluster from one bulb planted; excellent quality; very early. Pt. 20c, qt. 40c, pk. \$1.25.

JOHN SHAW, OF FAIRPORT, KAN., SAYS: "I grew some Onions from your seed weighing four pounds each."

OKRA, OR GUMBO.

One ounce will sow about 80 feet of drill.

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

DWARF WHITE VELVET.—Pods round, smooth and of an attractive white velvety appearance, very tender and of a superior flavor. Plants dwarf and very productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

PARSNIPS.

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

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

IMPROVED TABLE GUERNSEY.—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. The roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. A very heavy cropper; the roots are smooth, with a deep hollow crown and a small top. The flesh is fine grained, sweet and of excellent quality; cooks evenly all the way through to the center which is as fine, soft and even quality as outside portions. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 65c.

HOLLOW CROWN or LONG SUGAR.—The old standard. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c.

PARSLEY.

One ounce will sow 150 feet of drill.

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

MARKET GARDENER'S.—An extra choice stock, with dark green beautifully curled mossy leaves, very ornamental in its growth, and very productive. Most valuable for either garnishing or flavoring. Earlier than other varieties and what is more important it retains its dark green color late in the fall, and continues to produce well throughout the winter when transferred to the greenhouse. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

CHAMPION MOSS CURLED.—A very select stock, most beautifully crimped and curled. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

HAMBURG.—Turnip rooted variety, used for flavoring soups, etc. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 15c.

PARSNIP.



WHITE VELVET OKRA.

TOBACCO.

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

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

MAMMOTH MUSCATELLE.—Originated in the private gardens of the Shah of Persia. Very early, leaves long, small ribbed, and of finest possible texture. Pkt. 5c, oz. 35c, $\frac{1}{4}$ lb. 85c.

HESTER. Ripens early; adaptable to a wide range of soil and latitude, therefore surest. Yellow. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 75c.

BIG HAVANA.—The most popular of all. Heavy cropper, fine texture, delightful flavor, earliest cigar variety to mature and ripen. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 80c.

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

PEPPER.

One ounce will produce about 1,500 plants.

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

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

RUBY KING.—Very large size, $\frac{1}{4}$ to 6 inches long, by $\frac{3}{4}$ to 4 inches thick. When ripe they are of a beautiful bright ruby red color and are always remarkably mild and pleasant to the taste. Produces large, handsome fruits. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

MAMMOTH GOLDEN QUEEN.—Average a third larger than Ruby King. Eight to ten inches long, bright waxy, golden yellow, and mild flavor. Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c.

CORAL GEM BOUQUET.—This new red-hot pepper is the finest of the smallest sized varieties. Excellent for pepper sauce. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.00.

RED CHILI.—Small, very hot.

Used for pepper sauce. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

LARGE BELL, OR BULL NOSE.—An early standard sort. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

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

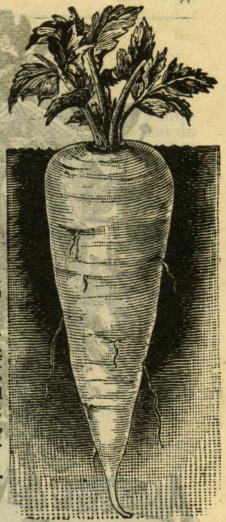
RED CAYENNE.—Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c.

PEANUTS.

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

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

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



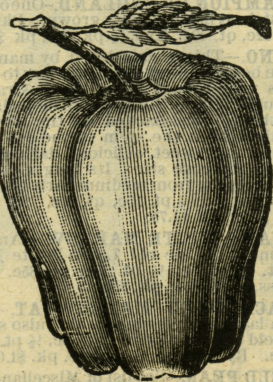
MARKET GARDENER'S PARSLEY



TOBACCO.

A Good Garden.

My wife and I have decided that your seeds gave the best and most vigorous growth of any seed we have purchased. Had a good garden regardless of the unfavorable conditions. Will purchase of you this year again.—John F. Hull, Dyer, Ark.



RUBY KING PEPPER.



RED CROSS PEANUTS.

NO ORDER IS TOO LARGE OR TOO SMALL TO RECEIVE OUR CAREFUL ATTENTION.

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 or 4 inches deep for general crop, although the first earlies will come to maturity sooner if only covered 1½ inches. Wrinkled sorts are marked *. They should be sown thicker in the row than the smooth varieties, as they are more liable to rot if the ground is wet. Crop is quite short this year.

Prices include postage. Pints at one-half the quart rates. 15c per quart discount if sent by express. Our packets contain about 2 ounces.

GIANT GRAY SUGAR.—See Novelties. Per pkt. 10c.

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 offered to the trade we have not found one possessing more merit, hence its name. For the market gardener it has no superior. It is not only extremely early and prolific, but it is of good flavor. All the good qualities of the Extra Early are most nearly brought to perfection in the Challenge. Vines 18 inches. Pkt 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.00, pk. \$1.75.

***PREMIUM GEM.**—Height 1 foot; early and prolific; a type of and an improvement on the McLean's Little Gem. Pods long and of dark green color. The most popular sort for family use. Pkt. 5c, ½ pt. 12c, qt. 45c. By express, ½ pk. \$1.20, pk. \$2.25.

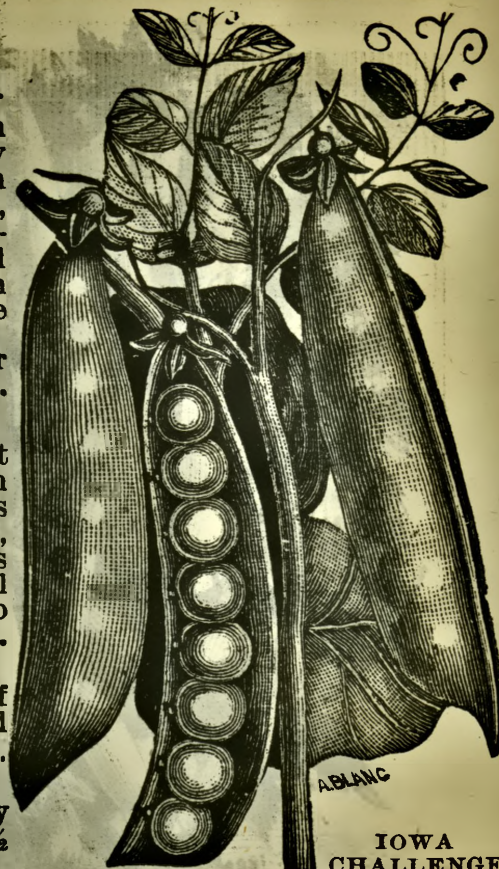
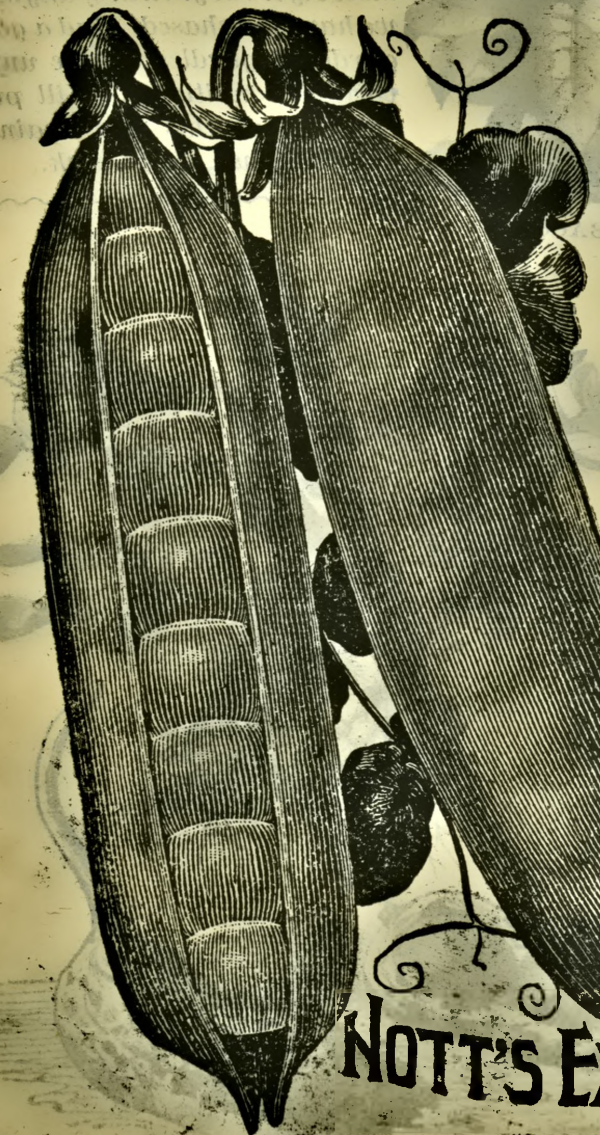
***GRADUS, or PROSPERITY.**—One of the finest peas for family use; would be very popular, except for the high price. Pkt 10c, ½ pt. 25c, qt. 75c. By express, ½ pk. \$2.00, pk. \$3.50.



***AMERICAN WONDER.**—The most popular extra early variety for the family garden. Being very sweet it cannot be planted quite as early as smooth sorts as it will not stand as much cold, wet weather, but it is far superior to the extra early smooth sorts in flavor and table qualities. Of dwarf and robust habit, growing about 10 inches high, and produces a profusion of good sized, well-filled pods fairly packed with the finest flavored peas. Pkt. 5c, ½ pt. 20c, qt. 60c. By express, ½ pk. \$1.40, pk. \$2.50.

ALASKA.—Height two feet, pods rather small, dark green color, well filled, the earliest pea known, being two days earlier than the Rural New Yorker, and ninety per cent of the pods can be gathered at the first picking. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.10, pk. \$1.90.

FIRST AND BEST.—A standard first early variety popular with gardeners in all parts of the country. This variety is perhaps more largely grown by market gardeners for first early than any other. Crop is very short this year. Pkt. 5c, ½ pt. 12c, qt. 40c. By express, ½ pk. 90c, pk. \$1.50.



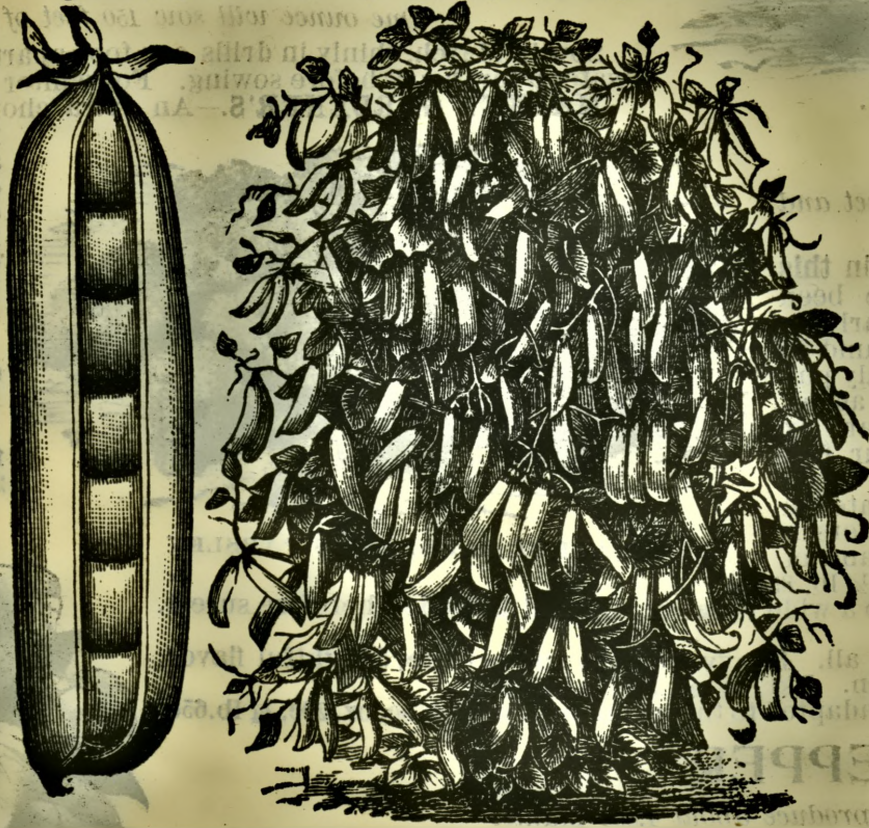
***DWARF CHAMPION.**—This extra choice new variety is a great improvement on the old Champion of England which has been one of the sweetest, best and most popular varieties for the last 30 years. The old variety is very tall (6 feet) while this new sort grows only 2½ feet, and still the vines are vigorous with a great profusion of very large pods filled with large sized peas of superior quality and very sweet. It is medium late and suited to main crop. Everyone who wants extra choice peas for family use should plant a few of these. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. 90c, pk. \$1.60.

***TELEPHONE.**—Immensely productive of the finest quality and excellent, sugary flavor; vines very strong, the pods are of large size, with six or seven large delicious peas; height four feet. Pkt. 5c, ½ pt. 20c, qt. 60c. By exp. ½ pk. \$1.25, pk. \$2.25.

***EVERBEARING.**—Height two feet; late to very late; hardy, vigorous, enormous cropper, pods and peas of large size and good quality. Pkt. 5c, ½ pt. 15c, qt. 45c. By exp. ½ pk. 85c, pk. \$1.50.

***ABUNDANCE.**—A standard medium early sort. Large and productive. Pkt. 5c, ½ pt. 15c, qt. 45c. By 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 and market pea. It is fully as sweet and delicious as the American Wonder, and grows one-half taller. Pods are larger and it is far more productive than the Premium Gem, and it is within a day or two as early as the first early smooth peas. Mr. George Buchanan writes; "I found these peas a very distinct, pure sort, with many marked excellencies over the American Wonder, Premium Gem, Advancer, etc. The peas were ready for table use within forty-three days from planting." Quality very superior. Pkt. 5c, ½ pt. 15c, qt. 55c. By exp. ½ pk. \$1.25, pk. \$2.25.



DWARF CHAMPION.

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***IMPROVED STRATAGEM.**—Late variety for family or market use. Half dwarf, vigorous, branching habit, and under favorable conditions an enormous cropper. Pods long and filled with seven to nine large peas of extra fine quality. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.00, pk. \$1.75.

MAMMOTH LUSCIOUS SUGAR.—This new sugar pea bears pods much larger than any other variety, often six to seven inches long, and an inch and one-half broad. They should not be shelled, but the peas and pods eaten together, and as they contain so much sugar, starch and gluten, they are very nutritious for family use. Pkt. 5c, ½ pt. 20c, qt. 60c. By express, ½ pk. \$1.40, pk. \$2.50.

***CHAMPION OF ENGLAND.**—One of the richest, best flavored peas grown. Pkt. 5c, ½ pt. 12c, qt. 40c. Exp. ½ pk. 75c, pk. \$1.25.

***JUNO.**—This is considered by many by far the best wrinkled pea of its class to-day. It has very robust vines; stout, straight pods, usually borne in pairs. The pods are very thick, broad-backed all the way up and filled from the stem to the tip with seven to nine sweet, delicious, dark green peas of immense size. Its height is two feet, its season from medium early to main crop. Pkt. 5c, ½ pt. 15c, qt. 50c. By exp. ½ pk. \$1.00, pk. \$1.75.

DWARF WHITE MARROW.—An improvement on the old Large White Marrowfat. Pkt. 5c, ½ pt. 10c, qt. 35c. By express, ½ pk. 50c, pk. 85c.

BLACK EYED MARROWFAT.—Is grown largely by gardeners and also sown as a field pea for stock. Pkt. 5c, ½ pt. 10c, qt. 35c. By express, ½ pk. 50c, pk. \$1.00.

FIELD PEAS.—See list of Miscellaneous Field Seeds.





specimen that reached the enormous weight of 245 pounds. One customer writes us that he grew one weighing 158 pounds, and on the same vine had five other pumpkins from 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 you to grow the King of Mammoths and exhibit them at your county fair? Our seed was saved from large select specimens. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

MAMMOTH ETAMPES.—A giant variety from France, where it is quite celebrated. Bright glossy red color; splendid for exhibition. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

MAMMOTH TOURS.—Also called Mammoth Whale. Originated near Tours, France, where it is largely grown, both for feeding cattle and table use. Grows to an immense size, sometimes three feet in length and to a weight of 100 to 200 lbs. Flesh of a salmon color. Seed of a peculiar shape. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

TRY THE COLLECTION OF
Mammoth Pumpkins
ONE PACKET EACH
**NEW ATLAS, MAMMOTH TOURS,
KING OF MAMMOTHS
AND MAMMOTH ETAMPES,
..ONLY 20 CTS..**

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

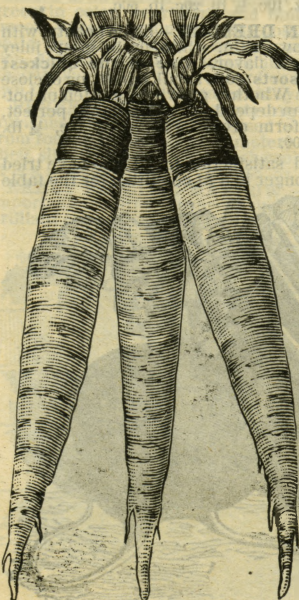
JAPANESE PIE.—This is similar in size and form to the well-known Cushaw, but the skin is a deep green, with darker stripes, turning to yellow as fruit ripens, earlier than any other pumpkin; seeds are marked with curious indentations. Flesh very thick and of rich salmon color, nearly solid. Dry and sweet, making rich pies without eggs. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

LARGE CHEESE.—(Kentucky Field.)—Large round, flattened fruits with creamy buff skin. It is an excellent keeping variety, with thick flesh of exceptionally fine quality. Commonly called sweet pumpkin throughout the west. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

CONNECTICUT FIELD.—The common field or cow pumpkin. If you have any live stock to feed it will pay you to put in a few acres of these. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. by mail 45c. By express or freight, 10 lbs. \$3.00, bushel of 25 lbs. \$6.25.

SALSIFY, Vegetable Oyster.

One ounce will sow about 50 feet of drill.



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

MAMMOTH SANDWICH ISLAND.—Averages fully double the size of the old Long White. Roots are white, smooth and, notwithstanding their enormous size, are of superior quality. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

WISCONSIN GOLDEN.—A most distinct and valuable new sort that we are quite confident will suit customers. It is of strong, vigorous growth; the leaves are dark green in color, finely crimped and curled. The roots are large, smooth and have a decided yellow cast, which gives it its name. They cut smooth and even throughout, unusually brittle and never stringy. When prepared for table are very rich, tender and delicious in flavor. Pkt. 10c, oz. 35c.

WISCONSIN GOLDEN SALSIFY

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

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

YANKEE PIE.—This is the noted New England Pie or Small Sugar Pumpkin. Same shape and color as the Connecticut Field, but smaller, very sweet, fine grained and one of the best varieties for table use. We have sold this to thousands of customers in all parts of the country and it pleases everyone for making pies. Early and very productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

CALHOUN.—A great improvement on the Large Cheese pumpkin. Color creamy brown, flesh deep, salmon yellow, fine grained, while seed cavity is very small. Kind thin. When cooked it is very yellow and makes pies of a rich color, sweet and of the finest quality. Has been recently re-named by one dealer the "New Thanksgiving Pumpkin." Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

WHITE CUSHAW or JONATHAN.—Attractive and sells better than the old green striped sort. It is a large bottle-shaped variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75 cts.

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



KING OF MAMMOTH PUMPKIN.

SPINACH.

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

The finest "greens" of any plant in cultivation. For summer, sow early in spring in deep, rich soil, in drills one foot apart; cover one inch. Sow at intervals of two weeks throughout the season. For very early spring use, sow the winter varieties first of September, protect by covering with straw. Packets contain about 800 seeds. By express, 5 lbs. \$1.25.

NEW VICTORIA.—This new variety is distinguished for its exceedingly dark black-green color, and also for its very long standing qualities, being from two to three weeks later than the ordinary Long Standing. The leaves are thick and spread out flat upon the ground. It is excellent for spring sowing, but not sufficiently hardy to withstand the winter in this locality. It outyields every other variety, and stands longer before going to seed than other sorts. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c.

NEW ZEALAND.—Very useful to supply the place of the ordinary Spinach during the hottest months of the year, or in dry, arid localities. A great acquisition and the most valuable of all for either the market or family garden. One plant will cover a space of ground 3 or 4 feet square. A few plants will supply a family with this delicious vegetable from July to October. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

LONG STANDING.—Standard with gardeners. Leaves thick, fleshy and crumpled; slow in running to seed; leaves round, large and of a dark-green color. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express, 5 lbs. \$1.00.

PRICKLY or WINTER.—A very hardy variety; needs only a slight protection of leaves or straw; used for fall sowing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

BLOOMSDALE.—A Savoy-leaved, curled variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c. By exp. 5 lbs. \$1.10.



VICTORIA SPINACH.

PLEASE YOUR WIFE BY ORDERING SOME FLOWER SEEDS OR PLANTS FOR HER.

RADISH.

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

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

SCARLET GEM.—See novelties. Pkt. 10c, oz. 25c.

NEW TRIUMPH.—See novelties. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

NEW ICICLE.—See novelties. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

EARLY SCARLET GLOBE.—A most excellent early radish for garden culture, and for hotbed forcing there is no variety so desirable as the Early Scarlet Globe. It is the earliest; its color is the handsomest; in flavor it is the mildest, most crisp, juicy and tender. It is the market gardener's favorite as a forcing radish. It forms small top, and will stand a great amount of heat without becoming pithy. Its fine shape, well illustrated by the accompanying engraving, makes it sell for higher price and more rapidly than any other shaped sort. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



EARLY SCARLET GLOBE.

MODEL WHITE BOX.—An improvement on the Philadelphia White Box, which has been popular for several years. It is of most handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds or "boxes" and one-third more radishes can be grown in the same space than with most other sorts. It is of clear white color, solid, juicy and unsurpassed in flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

NON PLUS ULTRA.—An improvement on the Deep Scarlet Turnip. Remarkably fine in quality, of very quick growth, and ready to pull within twenty days after sowing. Perfectly globular little roots of very bright color and excellent shape; certain to insure ready sale on the market. It is one of the best strains of early radishes for forcing. Beds are planted, the crop matured and sold and the bed made ready for a second planting all in thirty days. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 90c.

CINCINNATI MARKET.—A most excellent long radish of beautiful glossy brilliant scarlet color, having unusually small top. The skin is very thin, and the flesh crisp and brittle and of a delightful pungent quality. It is undoubtedly the finest long red radish for forcing, and will outsell any other on the market. It is also an extra fine sort for the home garden, the quality being unsurpassed. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

WHITE STRASBURG.—Of a handsome, oblong, tapering shape, both skin and flesh are pure white. The flesh is firm, brittle and tender, and possesses the most desirable character of retaining crispness even if old and large. Excellent for summer use, and withstands severe heat and grows very quickly. Pkt. 5c, oz. 1 c, $\frac{1}{4}$ lb. 20c, lb. 65c.



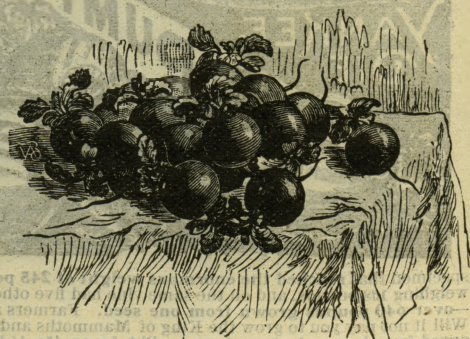
MODEL WHITE BOX.

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

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

WHITE LADY FINGER.—An improvement on White Naples, or Vienna. Large, white, crisp variety, about as long as Long Scarlet, and similar in shape. A very desirable sort. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

May 12.—We had Icicle Radish grown from your seeds on the table today and they were the best I ever ate. I enclose order for more of the seed. "No other kind will do."—Rev. E. L. Schreiner, Albia, Iowa.



NON PLUS ULTRA

ROSY GEM.—An improvement on the Scarlet Turnip White Tip. Their shape is perfectly globular, with rich, deep scarlet top, blending into pure white at the bottom, exceedingly tender, crisp, delicious; equally desirable for either the market or home garden. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

FRENCH BREAKFAST.—A medium-size radish, olive-shaped, small top, of quick growth, very crisp and tender, of a beautiful scarlet color, except near the tip, which is a pure white. A splendid variety for the table, on account of its excellent quality and its beautiful color. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY SCARLET TURNIP.—A small, round, red, turnip-shaped radish, with a small top, and of very quick growth. A very early variety, deserving general cultivation on account of its rich color and crisp, tender flesh. Desirable for forcing or early outdoor planting. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

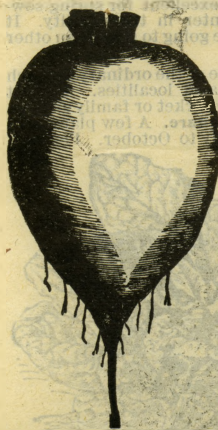
WOOD'S EARLY FRAME.—Smaller and considerably earlier than Long Scarlet, which it very much resembles. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

EARLY LONG SCARLET SHORT TOP.—An old standard variety of quick growth, with long, slender roots. Radishes are ready for market about twenty-five or thirty days after planting seed; flesh crisp and mild. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

GOLDEN DRESDEN.—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. Whether grown in garden or hotbed you can depend on remarkably perfect, early, uniform crop. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



NEW GOLDEN DRESDEN.



PERP. WHITE SUMMER.

OUR IMPROVED VARIETIES OF RADISH SEEDS ARE THE BEST AT ANY PRICE.

RADISH--Continued.

IMPROVED CHARTIER, OR SHEPHERD.—Although this American variety is too strong growing to be used for forcing, it is one of the very best for sowing outdoors. The roots come to usable size very early, remaining hard and crisp until they reach a diameter of an inch or more, and so furnish good roots for a much longer time than most other varieties. Roots scarlet rose above, shading into pure waxy white at the tip. They are long, cylindrical for the upper two-thirds, and then gradually taper to the tip. Flesh white, crisp and mild flavored. Stands hot weather well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

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

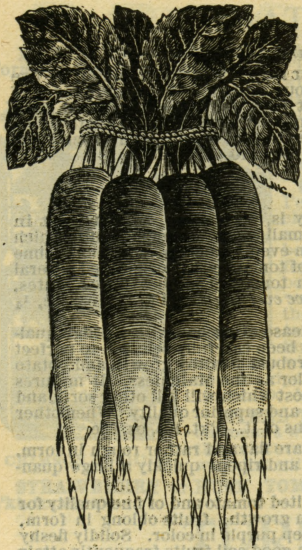
IOWA SEED CO'S RADISH MIXTURE.—A superb mixture of all kinds of Radishes, early, medium, fall, winter, Chinese, etc. Sow a row of it and it will furnish you delicious radishes throughout the year. The early and medium ones, as they mature and are pulled, make room for the larger growth of the fall and winter varieties. This mixture is made up of twenty-five best varieties, and with it it is necessary to make but one sowing for the entire year. You will be surprised and delighted with our popular radish mixture. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

WINTER RADISH.

Winter Radishes are not appreciated and grown by Americans as much as their merit warrants. They are easily grown, have few insect enemies and can be easily preserved through the winter, and there is no vegetable which furnishes a more acceptable relish. Sow late in the spring or in early summer in rows eighteen inches apart and thin the plants in row to six inches apart. Pull in fall and store in a cool place for winter use.



MIXED RADISHES.



IMPROVED CHARTIER.

SQUASH.

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

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

ALEXANDRIA.—See novelties. Pkt. 10c, oz. 25c.

GOLDEN BUSH.—An improvement on the old Yellow Bush Scallop or Patty Pan. The earliest of all squashes. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

WHITE BUSH SCALLOPED.—Similar to the Golden Bush. Color creamy white; an excellent variety for the family garden for early use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 60c.

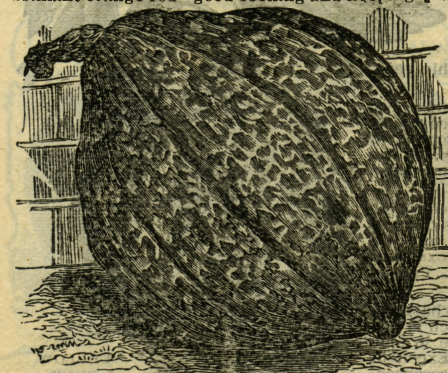
EARLY BUSH CROOKNECK.—Splendid summer sort, early, productive, very fine quality. With all the new varieties recently brought out many claim that there is no summer squash superior to this. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

ENGLISH VEGETABLE MARROW.—A favorite English sort. The fruit is variable in size, from 9 to 18 inches in length. Skin is greenish yellow, flesh white, soft and of rich flavor. Plant 8 feet apart. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

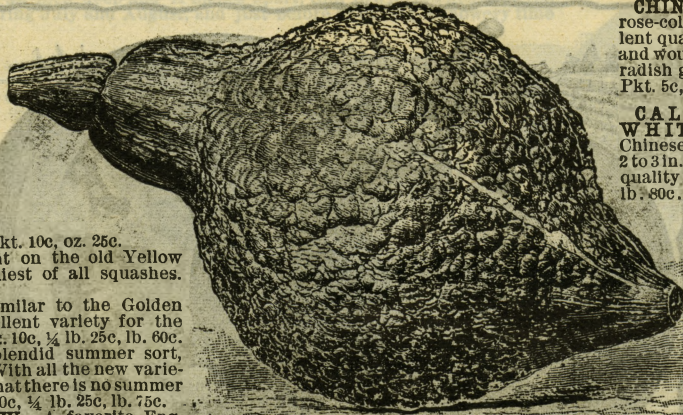
SIBLEY or PIKE'S PEAK.—Originated in Iowa. We recommend this as the very best standard variety of winter squash. Claimed to be a great improvement on the Hubbard. The shell is pale green in color, very hard and flinty, but at the same time so thin and smooth as to occasion the least possible waste in baking. The flesh is solid and thick and a bright orange yellow color, dry and has a rich, delicate flavor peculiarly its own; more productive and a better keeper than either the Hubbard or Marblehead and we prefer it for our own table use. Seed is scarce this year. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

PERFECT GEM.—Is a strong grower, as many as twenty-four squashes having been produced on a single vine. The squashes are from four to six inches in diameter; of a creamy white, with thin, smooth shell, slightly ribbed. The flesh cooked, is dry, sweet and rich in flavor. It is a splendid keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

EARLY PROLIFIC MARROW.—Early and productive, the two most important features for the market gardener—while its attractive color—brilliant orange red—good cooking and keeping qualities, make it popular with the consumer. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



EARLY PROLIFIC MARROW.



TRUE HUBBARD.

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

Collection of Hubbard Squashes.

TRUE HUBBARD.—This old variety has for years stood the test of all rivals, and is the most popular winter squash grown; hard, green shell; flesh bright orange yellow, fine grained, very dry, sweet and of rich flavor; keeps in perfect condition throughout the winter. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

WARTY HUBBARD.—A new strain of the Hubbard. The wartiness indicates a very hard shell, which is one of the best features of a long-keeping squash. It also denotes extra choice quality—the harder and more warty the shell of a Hubbard, the more delicate and sweet the flesh. The flesh, however, is not as thick as the above. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

BLUE HUBBARD or MARBLEHEAD.—A splendid winter variety. Shell very hard, light blue color, flesh similar to the Hubbard in quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

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 exceeds the green variety. This is a squash that every market gardener should plant, for it is a "seller." Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

WHITE HUBBARD or WHITE CHESTNUT.—The outside skin is a creamy white while the flesh is lemon yellow, fine grained, sweet, most excellent in quality, suggesting the flavor of a boiled chestnut. Size and form much like the Hubbard. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

COLLECTION.—One packet of each of the above five Hubbard's for 20c.

THE EARLIEST TOMATO IN THE WORLD



EARLY MINNESOTA.

STONE.—One of the best of all the standard sorts. The color is a desirable, bright red. The 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, $\frac{1}{4}$ lb. 65c, lb. \$2.25.

WHITE'S EXCELSIOR.—Claimed to be the best purple tomato ever introduced and we have been surprised to see what an exceptionally large crop it yielded. The fruit is of a dark, glossy, purplish red, very large, handsome, and nearly solid, which is a peculiarity, as most purple sorts, like the Acme, are very full of seed. It is also unlike other purple sorts in that the skin is tough, so that they will bear long shipment and rough handling. By our illustration the unusual depth of the fruit will be noticed, as they are not flat like many others; vine is of dark green color, vigorous grower and sets the fruit in clusters, continuing to bear throughout the season. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.75.

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 all growers. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

GOLDEN QUEEN.—The superior flavor of the yellow varieties is bringing them into favor as table fruit, and those who think of a yellow tomato as the rough fruit of the old yellow sorts will be surprised at this smooth, beautiful fruit, as smooth as the best of red varieties, and of a fine and distinct flavor. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.



DWARF CHAMPION.

Continued-- TOMATO.

One ounce will produce about 2500 plants.

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to four or five inches apart. Give plenty of air and endeavor to secure a vigorous growth. When all danger of frost is past transplant to the open ground, four to six feet apart each way. Well manured, light sandy soil is best, but it must be remembered that a surplus of manure stimulates leaf growth to the detriment of fruit. Through long years of selection we have now a stock of tomato seed which is far superior to that of most other dealers. Our packets contain about 500 to 1000 seeds.

GOLDEN NUGGET.—See Novelties. Pkt. 10c.

PEERLESS or NO. 57.—See Novelties. Pkt. 15c.

BOND'S EARLY MINNESOTA.—This handsome new variety is, we believe, the earliest in existence. Vines vigorous with rather small leaf. When quite small begin producing fruits which are of fair size, of good shape, smooth, dark red color. They ripen evenly, remain solid a long time and never crack. Thos. H. Brinton, who grows about 100 varieties of tomatoes, has originated several of our best sorts, and who may be called the best posted man on tomatoes in the United States, writes us: "Bond's Early Minnesota is the best early tomato I have ever tried." Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

SUPRE.—It is indeed a superb new variety which is sure to please every one with its high quality. It originated with one of our growers a few years ago and has been carefully selected to perfect the type. It is a sport from the old purple Mikado, retaining the robust healthy growth and potato shape leaf of that variety, but the fruit is bright crimson, same color as the Matchless. It matures at mid-season and is very productive. It is hardy and stands a frost which will kill other sorts, and it is also an excellent drought resister. The fruits are of medium size and superior quality. When other varieties were badly affected with blight the Supre showed no signs of it. Pkt. 10c, oz. 60c.

ATLANTIC PRIZE.—This is an extra early sort, but the fruits are flat and rather rough in form. It is smoother, however, than most of the extremely early strains, and ripens quickly a large quantity of bright scarlet fruits. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 70c, lb. \$2.50.

PONDEROSA.—This is the largest fruited tomato and of fine quality for slicing. Vines are of strong, rather open growth; fruits oblong in form, deep through, and generally ribbed; deep purple in color. Solidly fleshy with small seed cells; of sweet flavor. In good soil fruits frequently attain a weight of 1 lb. and over; late to ripen. Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

FAVORITE.—Vine medium sized, with large green leaves, having numerous clusters of three to seven tomatoes, of a rich, dark red color, of oval outline, very smooth; flesh firm. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

ACME.—Specially valuable for early market use. Plants are of strong, vigorous growth; very productive; fruit of medium size, round; color a glossy red, with purplish tinge; ripens all over and through at the same time. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.00.

LEMON BLUSH.—The skin and flesh are a bright lemon yellow with a faint rose blush or crimson tint diffused over part of the surface. It may never become a popular market sort, but anyone desiring a choice table variety for home use should not fail to have it. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

IMPERIAL.—Smooth, early, purple, solid and thick meated, immense cropper and a long keeper. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

YELLOW PEAR.—A favorite with all who know them. Fruit is pear shaped and of a handsome deep yellow color; flesh yellow, solid and fine flavored. Highly esteemed as a table delicacy raw, but more used for preserving or to make "tomato figs," also excellent pickled. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 75c.

DWARF CHAMPION.—Its habit of growth is peculiar, for not only is it dwarf and compact, but the stem being thick, stiff and short-jointed, it is almost self-supporting when laden with fruit. In productiveness it is unsurpassed. It is also very early. The fruit is of a purplish pink color, always smooth and symmetrical and the flesh solid and of fine quality. Can almost be called a tree tomato. The best variety to grow for plants for sale as they are so stocky. Seed is very scarce this year. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

PERFECTION.—This is one of the handsomest tomatoes grown, and all who have tried its invariably large, round, smooth, handsome, red fruit pronounce it of the highest quality. It has been used very satisfactorily for forcing under glass. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

IMPROVED TROPHY.—First of the modern improved kinds. Our Improved Trophy is vigorous and productive; its large, solid, smooth, fine flavored fruit will satisfy the most exacting. Much liked for canning as well as fresh. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

CRIMSON CURRANT.—A 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 quality for eating from the hand or preserved. Pkt. 10c, oz. 60c.



YELLOW PEAR TOMATO.

TRY OUR EARLY MINNESOTA TOMATO—THE EARLIEST OF ALL.

TOMATO—Continued.

MATCHLESS.—Well worthy of its name, for in beauty of color and symmetry of form it is indeed without a peer. The vines are of strong, vigorous growth, well set with fruit; are entirely free from core, of the finest flavor, of a very rich cardinal red color, and not liable to crack from wet weather, of largest size, and the size of the fruit is maintained throughout the season. Solid, of fine quality and keeps well. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.



CRIMSON CUSHION.

CRIMSON CUSHION.—The best climbing variety. Persons who have only a small garden will appreciate this variety which can be grown on trellises and in this way three or four times as much fruit can be grown on the same space. It grows 7 to 10 feet high, if desired, but as most of the fruit is borne three or four feet from the ground, well out of reach of the chickens, it is just as well to trim off the tips. Fruit is of unsurpassed quality, extremely large, exceeding any variety on our list. Seeds are few and near the outside, leaving center solid pulp which ripens evenly throughout, before the outside appears ripe. An elegant sort for slicing or putting up. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

MIXED TOMATOES.—For the advantage of some of our customers who would like to try all kinds, we have prepared this mixture of the varieties named and several others, which we think will please all. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 85c.

STRAWBERRY or HUSBK TOMATO.—Also called Ground Cherry. Pkt. 5c, oz. 40c.

TOMATO PLANTS.—Much time may be saved by buying plants and you will find them listed on page 25.



MATCHLESS.

TURNIP.

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

For early, sow in April in drills half an inch deep and 12 inches apart, thin to 6 inches apart in the drill. For main crop sow broadcast during July and August, and just before or during a showery time if possible.

EXTRA EARLY PURPLE TOP MILAN.—One of the earliest sorts in cultivation. The bulb is very flat, of medium size, quite smooth, with a bright purple top; leaves few, short, and of light color, growing very compact and making exceedingly small strap-leaved top. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY WHITE MILAN.—Much like the above, but it is pure white all over, instead of having purple top. Quite popular with gardeners. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.25.

EARLY SNOWBALL.—A globe-shaped, white-skinned turnip, which is exceedingly productive. The flesh is fine grained, firm, and of very delicate flavor. It is one of the best keeping of the white fleshed sorts, very early, and particularly adapted for family or market use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

WHITE EGG.—A quick growing, egg-shaped, perfectly smooth, pure white variety with small top and rough leaves. The flesh is very sweet, firm and mild, never having the rank, strong taste of some of the early varieties. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 70c.

GOLDEN BALL or ORANGE JELLY.—A very beautiful and bright yellow turnip of medium size and of universally sweet and delicious flavor. It is hardy and one of the best of keepers. Flesh extremely firm and solid. Always brings a good price in the market. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

PURPLE TOP STRAP-LEAVED.—The standard for this part of the country for late planting. Round, flat, good sized, small top, good flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c; 5 lbs. or more, not prepaid, 85c per lb.

PURPLE TOP GLOBE.—Similar to above, except shape. The largest yielder of any turnip on the list; desirable for table use or stock. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c; 5 lb. or more, not prepaid, 35c per lb.



YELLOW ABERDEEN.—Excellent for cattle. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 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. A good keeper, and with its beautiful scarlet color, early maturity and fine quality, is entitled to a place among garden favorites. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

MIXED TURNIPS.—All the table varieties of turnips mixed in equal proportions. A desirable mixture for family use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

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 two feet apart, and thin out to eight inches in row.

MONARCH.—This grand, new and distinct form of the ruta бага. Is, we believe, by far the best of all. The bulbs are of tankard shape, with very small neck, skin dark red above ground and yellow below, flesh rich yellow, fine grained and best quality. Only variety succeeding on our prairie soil. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

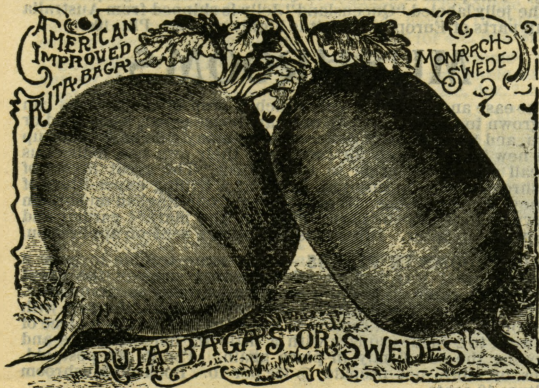
IMPROVED AMERICAN.—Very solid, fine quality, valuable for the table and for feeding stock; good shape; small neck; smooth skin; keeps well; a choice strain. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c.

WHITE SWEET GERMAN.—Large size, oval form and very solid; flesh pure white and sweet. The best keeping variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

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

ONE COW.

If you have even one cow, it will pay you to grow some Ruta Bagas, Mangels, Carrots and Pencellaria.



A NICE LAWN ADDS GREATLY TO THE VALUE OF ANY PLACE—SOW LAWN GRASS SEED.

HERBS.

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

Those marked with an asterisk (*) are perennial.

ANISE.—Used for cordial, garnishing, and flavoring; the seeds have an agreeable, aromatic taste. Pkt. 5c, oz. 10c, ¼ lb. 30c.

BALM.—The leaves have a fragrant odor, and are used for making balm tea, for use in fevers. Pkt. 5c, oz. 25c.

BASIL, SWEET.—The leaves are used for flavoring soups, stews, and highly seasoned dishes. Pkt. 5c, oz. 15c.

BORAGE.—The leaves are used for flavoring, and the flowers furnish bee pasture. Pkt. 5c, oz. 15c, ¼ lb. 40c.

***CARAWAY.**—Grown for the seeds, which are used extensively for the flavoring of bread, pastry, etc. Pkt. 5c, oz. 10c, ¼ lb. 25c.

***CATNIP or CATMINT.**—The leaves are used for seasoning. It makes, also, an excellent bee pasture. Pkt. 5c, oz. 30c.

CORIANDER.—The seeds are used in the manufacture of confectionery. Pkt. 5c, oz. 10c, ¼ lb. 25c.

CASTOR OIL PLANT.—Seeds are pressed out to obtain oil. Pkt. 5c, oz. 10c, ¼ 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.—The seeds have an aromatic odor and warm, pungent taste. They are used as a condiment, and also for pickling with cucumbers. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

***FENNEL, SWEET.**—The leaves boiled are used in sauces. Pkt. 5c, oz. 10c.

***HOREHOUND.**—The leaves are used for seasoning and also in the manufacture of the popular cough remedy. Pkt. 5c, oz. 20c.

***HYSSOP.**—Aromatic flavor and pungent taste. Used as a cure for asthma and catarrh. Pkt. 5c, oz. 20c.

***LAVENDER.**—Used largely, both dried and distilled, as a perfume. Pkt. 5c, oz. 25c.

MARJORAM, SWEET.—The leaves and the ends of the shoots are esteemed for seasoning in summer, and also dried for winter use. Pkt. 5c, oz. 15c.

***ROSEMARY.**—The aromatic leaves are used for seasoning. Pkt. 5c, oz. 25c.

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

SAFFRON.—Dried flowers used for coloring and also for making rouge. Pkt. 5c, oz. 15c.

***SAGE.**—The most extensively used of all herbs for seasoning and dressing; indispensable. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.20.

SUMMER SAVORY.—Leaves and flowers are used extensively for flavoring, particularly in soups and dressings. Pkt. 5c, oz. 10c, ¼ lb. 30c.

SWEET WOODRUFF.—A sweet scented herb highly valued by the Germans and forms the principal ingredient of the famous German Maltrank. Pkt. 5c, oz. 60c.

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

***THYME.**—The leaves and young shoots are used for seasoning; a tea is also made for nervous headache. Pkt. 5c, oz. 20c.

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

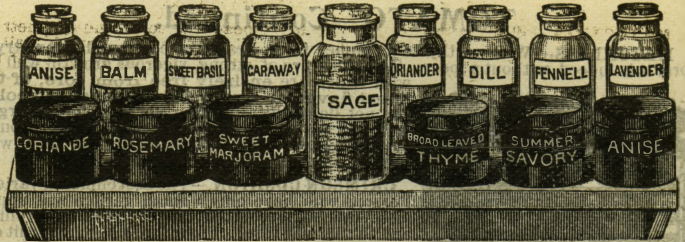
MIXED VARIETIES.—A mixture of all the above. Nice, garden assortment. Pkt. 5c, oz. 15c, ¼ lb. 45c.

NASTURTIUM.

Nasturtiums of all varieties are useful for furnishing tender seed-pods which make delicious pickles. The seeds for pickling should be gathered while green and with a portion of the stem attached. Pick them over and place in a jar until filled; then cover them with cider vinegar, which has been brought to a boil and is still warm, to keep for winter use.

TALL MIXED.—Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c., postpaid.

OTHER NASTURTIUMS.—For complete list, see Flower Seeds.



CURIOUS VEGETABLES

CHINESE TEA.—We are sure that many of our customers will be glad to grow this as a curiosity if nothing else. The plant is of a shrubby nature, with beautiful shiny foliage and fragrant blossoms, requiring the same treatment as any tender shrub. Can be kept growing in pots through the winter. About 10,000 pounds of tea per year is grown by one man in South Carolina. Pkt. 10c.

MOUGRI.—A wonderful vegetable from the Island of Java, which is greatly liked by the natives. Pods sometimes 2 to 3 feet long and are eaten raw or cooked. Taste like water cress. Pkt. 10c.

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

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

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

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



COTTON

ALPINE STRAWBERRIES.—Handsome, globular bush form, with upright leaves and stalks. Sown early, they will produce bearing plants the first year. They are grown in large quantities in Europe, where they are everbearing in the true sense of the word, producing fruit all summer. Have a peculiar rich flavor, superior to our native sorts. Perfectly hardy and easily grown from seed. Pkt. 10c.

MARTYNIA.—Also called "Devil's Claw" or "Unicorn Plant." A large ornamental plant, bearing beautiful flowers which are succeeded by large seed pods which when young are fine for pickling. Do not plant seed before the middle of May. Pkt. 5c, oz. 30c.

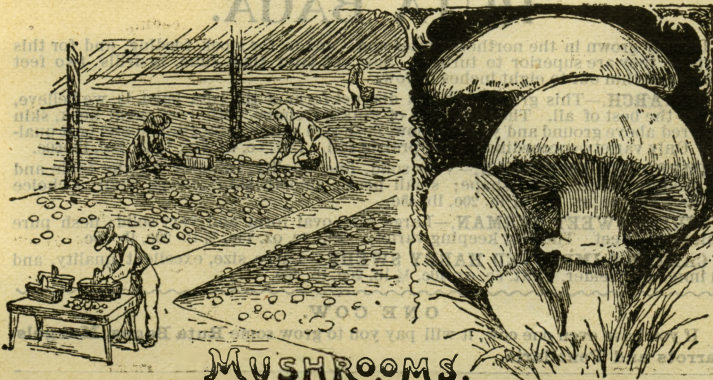
EGYPTIAN LENTILS.—Largely used in Oriental countries as a principal article of diet. It was from these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. Cultivate like peas. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb.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

ROSELLE.—(*Hibiscus Sabdariffa*.)—An annual, growing quickly from seed. 2 to 3 feet high, is very ornamental, even when not in bloom. The woody part of the plant being a bright red and the leaves veined red. Flowers single, pale yellow overlaid with salmon. Flowers followed by bright red seed pods. The pods are used for jelly, being equal to the best Currant Jelly. This plant is a native of Queensland, and large quantities of the jelly labeled "Queensland" Jelly is shipped from Australia to all parts of Europe where it is highly prized. Pkt. 10c.

MUSHROOMS.

The ease and certainty with which a crop of mushrooms can be grown to perfection in an ordinary house cellar, wood-shed or barn, and the astonishing success of so many who have taken up this new industry both for profit and their own use, induces us to call special attention to the subject. The great luxury of mushrooms can be enjoyed by all at a trifling expenditure of money, time and labor. 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.

MUSHROOMS IN FIELDS.—It is some trouble to grow a crop the usual way, but we all know that some of the finest mushrooms come up in old pastures apparently spontaneously. A good crop can frequently be secured by raising the turf with the corner of a spade, remove a little dirt and put in a piece of spawn 1 to 2 inches square with a little dry horse manure and pressing the sod firmly in place again. Per lb. 3c postpaid, 5 lbs. or more, not prepaid, @ 15c per lb. Book on Mushroom Culture 10 cents.



MUSHROOMS.

GARDEN PLANTS.

Every garden should contain an assortment of these hardy plants and a few square feet will supply the family. They are of value either for flavoring or medical use, and many persons now believe that if these well known old remedies were kept and used more in families in place of so many drugs and patent medicines it would be better for the health of the people. Orders for these plants must amount to at least 25 cents. We prepay the postage.

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

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

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

CATNIP or CATMINT—Grows wild in parts of country. Used largely for infants. Each 10c, 3 for 25c, doz. 75c.

CHIVES—Perfectly hardy little perennial members of the onion tribe, and are grown entirely for their tops, which are used wherever the flavor of onion is required. Planted in small clumps in any common garden soil they grow readily. The tops appear very early in the spring and can be shorn throughout the season. Every garden should contain a few clumps. In New England it is considered indispensable for use in omelets. A few plants can be kept growing in the house during the winter if desired. Roots per bunch, 15c, 4 for 50c.

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

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

GENUINE PENNYROYAL—Warm, pungent, somewhat aromatic taste; used extensively for medicinal purposes. Our plants are not the wild, intensely bitter variety. Forms dense mass of bright to large ornamental for rockwork. Each 15c, 3 for 40c, doz. \$1.25.

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

HOLT'S MAMMOTH SAGE—Great improvement on common sage. Plants are 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 sort; hardy; never runs to seed. Each 10c, 3 for 25c, doz. 75c, postpaid.

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 20c, 3 for 50c.

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

VARIEGATED SPEARMINT—A new showy variety of above which will be greatly appreciated. Each 25c, 6 for \$1.00.

SASSAFRAS—A well known medicinal plant. Each 20c, doz. \$1.75.

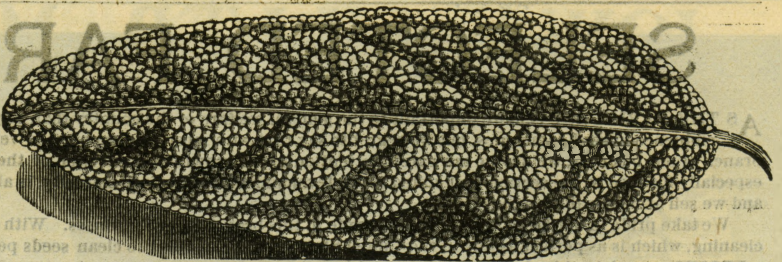
TANSY—A plant grown and used largely for its tonic, stomachic and other medicinal qualities. Has a strong peculiar odor and bitter taste. Each 15c, 3 for 35c, doz. \$1.00.

TARRAGON—The true Tarragon is appreciated thoroughly by all who know it for the use of its aromatic leaves in seasoning salads, soups, stews, pickles, etc., and also for Tarragon Vinegar. The foliage, if cut in autumn, can be kept in dry state the same as other herbs. In northern states give some protection during winter. Each 15c, 3 for 40c, doz. \$1.25.

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

GARLIC.

A species of onion propagated by offsets; used for flavoring soups, stews and other dishes. Divide a bulb into small parts and plant them in early spring in rows one foot apart, and from two to five inches between plants in the row. The crop matures in August, when it is harvested like onion. We furnish sets of the best and earliest variety at 40c per lb. postpaid. By express 25c per lb., 10 lbs. \$2.00.



HOLT'S MAMMOTH SAGE.—(Average size leaf.)

HOP ROOTS.

A few hop vines are nice on any place for making yeast, etc. The vine is somewhat ornamental for covering dead trees and outbuildings and in many parts of the country they are a profitable and staple crop. Each 15c, \$1.00 per doz.

HORSE RADISH SETS.

One of the most valuable vegetables for an appetizer and it is so much nicer to have it in your own garden and grate it freshly. We have the small roots or sets which may be planted at any time in the spring. Set them small end down in rows two feet apart and about eighteen inches apart in the row. They will do better in rich, loose soil set slanting and covered two inches. Nice sets 15c per doz., 75c per 100 postpaid, or 60c per 100 by express.

RHUBARB ROOTS.

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

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

IDEAL MAMMOTH—The largest and best variety. See description with novelties. Strong roots 30c each, doz. \$2.50.

ASPARAGUS ROOTS.

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

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

COLUMBIAN MAMMOTH WHITE—(See description on page 2). 40c per doz.; \$1.50 per 100 postpaid. By express per 100 \$1.10; 1,000 \$6.50.

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

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

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

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

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

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

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

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

GROUND CHERRY—Ready May 15th.—Improved Yellow. By mail, doz. 25c, 100 \$1.25; by express, \$1.00 per 100.

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

NEW VINELESS SWEET POTATO PLANTS—A novelty of great merit; is of dwarf bush-like growth. The tubers are yellow, of medium to large size, and lie compactly in the hill. When cooked, of best possible quality. 75c per 100 postpaid; by express, 100 50c, 1,000 \$1.00.

Collection. One Plant each of any Ten Herb and Mint Plants Listed on this Page

For Only \$1.00 Postpaid.

SELECTED FARM SEEDS.

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

We take pride in our large and increasing trade in this branch of our business. With our new, convenient building and improved machinery for cleaning, which is as perfect as any in the United States, we are enabled to clean seeds perfectly, far different from such as are commonly sold.

PRICES named in this department are subject to important market changes. Quotations are net and are not subject to premium or discount which is offered on other seeds. Clover and grass seeds are constantly varying in value, and we issue a price list daily during the busy season. Please write for 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 large quantities, unless noted, are sent by express or freight, at the expense of the purchaser. Prices named include bags, except on clover and grass seeds, and delivering to depot here.

NOTICE.—While we exercise great care to have all seeds pure and reliable, we give no warranty expressed 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.

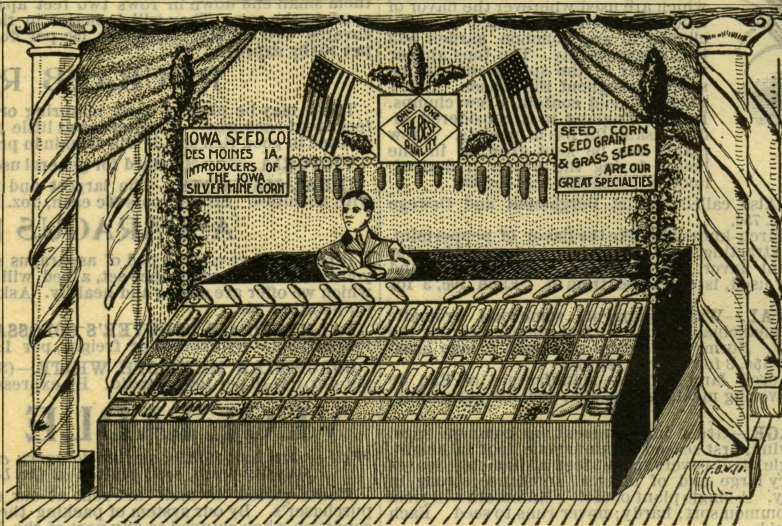
There is no question but that seeds

GROWN IN IOWA

are the best.

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

Will Produce Better Crops.



IOWA SEED CO.'S EXHIBIT AT THE GREAT CORN SHOW.

HIGH GRADE SEED GRAIN

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

It Pays To Sow the Best.

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

SEED CORN

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

THIS is our great specialty and we claim to supply more farmers with seed corn each year than any firm in the United States; that means that the Iowa Seed Store may well be considered the world's headquarters for choice seed corn. We ship annually to every state in the Union and to almost every country in the world where they can grow corn, our largest foreign trade being in South Africa, Australia and New Zealand. We are in the center of the best corn growing country of the world, where the soil and climate are peculiarly adapted to its culture and now we can say without fear of contradiction, that for the season of 1903 we have the best supply of seed corn ever offered by any seed firm in the world. The necessity of planting the very best varieties is plain, and it will not pay you to experiment with the many sorts which we have tried and found worthless, nor to purchase from unscrupulous dealers. The varieties of field corn we offer are the best now in use. They were grown especially for seed purposes, and well matured, cured, carefully sorted by our own seed corn experts, and shelled with great care. Choice seed corn is scarce this year, and prices a trifle higher, but it will not pay you to buy doubtful seed at any price. All our seed corn is carefully tested, and none sent out that we are not certain will grow well under proper conditions. If not satisfactory on arrival and examination, it may be returned and we will refund money. If a large quantity is wanted, ask for prices. No extra charge for bags.

Tested Seed Corn.

Will it grow? Is the first question about seed corn and it may interest you to know how our corn is handled. When brought in from the farm each ear is taken in hand by a seed corn expert and critically examined. After passing the first examination it goes to another man and is looked over the second time and what few ears remain that are not fully up to standard in color, shape, size or quality are thrown out. It is then shelled with great care and carefully tested in soil and also given a severe test in cold water. The tests range this year from 92 to 100 per cent.

Seed corn handled in this way is cheap at any price, but this year it costs you only about 25 cents per acre to use our seed corn.

Thoroughbred Seed Corn.

We are proud to say that the IOWA SEED STORE is now recognized as headquarters for thoroughbred seed corn, and the varieties which we have originated or introduced are now listed by almost all the prominent seedsmen in America, Europe and Australia, who handle this grain, and are the best everywhere. The value of the average corn crop can be fully doubled by planting our improved varieties. Don't be satisfied with a second grade even if you can save five or ten cents per acre in cost of seed (one bushel plants eight acres), but send your order direct to Headquarters for Seed Corn and get the best.

ONE BUSHEL PER ACRE ADDED TO YOUR CROP WILL MORE THAN PAY COST FOR SEED CORN.



IMPROVED WORLD'S FAIR.

IOWA SILVER MINE.

FARMERS RELIANCE.

GOLDEN WEST.

Four Grand Varieties.

THE above photograph was made from good, average size, specimen ears, showing the standard size and type. The photograph is just one-half the length of the ears. We would call the special attention of intelligent farmers and good judges of corn to the perfectness of rows, uniformity of kernels, the capping over of the grains on end of ears and to the almost cylindrical shape of ears, they being of nearly as great girth near the tip as at the butt ends. The picture was made just after the ears were brought in from our fields, and still you will notice their solidity. These points will be appreciated by all students of corn judging who have learned what characteristics constitute a desirable and profitable variety.

Improved Worlds Fair.—A grand new variety which we introduced last year. It is claimed to be the nearest to perfection in shape of ear of any variety yet brought out. Notice that diameter of ear is about the same throughout; see how square it is at the tip end. Standard length 10 inches; circumference, 7½ inches; kernel long, 18 to 22 rows, narrow space between rows; color medium yellow; cob dark red. Price per peck, 75c; bushel, \$2.50. 2 bushels or more at \$2.35; 5 bushels or more at \$2.25.

Golden West.—Introduced by Iowa Seed Company in 1903. The grandest yellow corn ever sent out, and a good mate for the Iowa Silver Mine. We are sure that farmers everywhere will be delighted with it and will find it the heaviest yielding and most profitable yellow corn of all. Matures in any part of Iowa, a grand crop of sound, marketable corn. Standard length 10½ inches, circumference 7½ inches; ear cylindrical to slightly tapering; kernels long, firm and well set, slightly rough, 18 to 20 rows; color handsome golden yellow, cob velvety and red. Price per peck, 90c; bushel \$3.00; 2 bushels or more, at \$2.75; 5 bushels or more at \$2.60.

Farmers Reliance.—Introduced by Iowa Seed Company in 1900. This is not only the earliest dent variety, but the largest eared of any deep grained sort. The best variety for planting in the north or for late planting. Standard length 8½ inches; circumference 7 inches; ear slightly wedge-shaped, kernels medium length and nearly smooth, 16 to 18 rows; color dark yellow, cob red. This variety always shows considerable variations in color and type. Price per peck, 75c; bushel, \$2.25; 2 bushels or more at \$2.10; 5 bushels or more at \$2.00.

Iowa Silver Mine.—Introduced by Iowa Seed Company in 1896. This is by all odds the most productive corn in existence. Nothing can compare with it. It produces no barren stalks. Ears of perfect shape and color. Produces 62 pounds shelled corn to a bushel (70 pounds) of ears. Standard length 10 inches, circumference 7½ inches; cylindrical; kernel very long, firm, upright, rough, 18 to 20 rows; color pure white, cob white. Price per peck, 65c; bushel, \$2.00; 2 bushels or more at \$1.85; 5 bushels or more at \$1.75.

READ THIS In examining the above standards remember that they are not made from large ears, but represent a good average size for the variety. Do not attempt to compare by estimate, but take ears of any variety which you are growing and measure them. You cannot, however, appreciate what a variety is without actually seeing it. It will pay you to plant at least one of the above thoroughbred varieties this year, and if you have a farm large enough so that you can keep them isolated, plant all four varieties.

IOWA SILVER MINE CORN.

THE GREAT \$1,000.00 CORN—YIELDS 215 BUSHEL PER ACRE.

The most marvelous variety of corn ever offered, and one which will surprise every one who plants it. Thousands of farmers have tried it and doubled their crops and also made money rapidly by selling seed to their less enterprising neighbors. It is revolutionizing the corn growing of the country. Just think of this wonderful yield, **215 Bushels per acre with ordinary culture.** We don't blame some practical farmers for looking incredulous when this is mentioned; we did not believe it ourselves until we had measured the ground and proved conclusively that the report was correct. The seed corn trade is our great specialty, and we claim to be corn experts, and in the spring of 1895, when we first saw this corn, we purchased the entire stock for \$1,000.00 cash. The originator is not now growing seed corn and you must buy from us if you want pure, true to name seed. **An offer of \$10.00 per pound** would not have induced us to sell all we had of it, as we wanted to save it for our customers. Our judgment was correct, as proven by the crops, which were the most marvelous ever grown. Just think of it! The average corn crop of the United States is only 28 bushels per acre, and there was more than seven times this amount of Iowa Silver Mine grown on one acre. Would you like to grow this kind of a crop? Plant Iowa Silver Mine Corn—plant your whole farm to it. Adopt our new method of culture, which will be sent free to every one ordering this variety of seed corn from us.

DESCRIPTION.—Stalk grows to a height of about seven or eight feet, and sets the ears about three and one-half to four feet from the ground, just the right height for easy picking. One peculiarity 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. The type is very even. Ears measuring from **Ten to Twelve inches in length** and weighing one and one half pounds are often found. The ears are very uniform in size and shape, with sixteen to twenty straight rows, (usually eighteen rows,) of deep, pure white kernels, set on a small white cob, and the ears are well filled out over the tip. It is early, maturing in less than ninety-five days, and never has been caught by the frost. The cob dries out rapidly, so that it is ready for market **earlier than any other White Field Corn** in existence. In its yield it will surpass all other varieties of any color. Seventy pounds in the ear will make sixty-two pounds shelled. It is adapted to a wider range of soil and climate than any corn ever offered. From Minnesota to Florida, from Massachusetts to California, it will yield a paying crop where other varieties are grown at a loss. It is in every way a distinct type of corn and possesses many of the features which have made the Iowa Gold Mine so popular, while the ear is larger. It is hardy and a wonderful 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 crop grown on an acre, and the Iowa Silver Mine captured all three of them with crops of

196, 176 AND 154 BUSHEL PER ACRE.

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

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

Average of above is 176 Bushels Shelled Corn per Acre.

Has Produced Immense Crops Everywhere. Our Customers all Rejoice with us.

NOW FOR 1903.—To every one who orders Iowa Silver Mine Seed Corn from us we will send free full information as to how 215 bushels of corn were grown on one acre and instructions so that you can do as well. There is money in farming if you only know how. 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.

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 almost nothing (only about 25 cents per acre.) One bushel per acre added to your crop will pay for it, and you can't afford to use doubtful seed. The demand for white corn is increasing yearly and it usually commands a higher price, especially for shipment to Europe. Tests have proven it fully equal, if not superior to yellow for fattening cattle and hogs.

Price:

Postpaid or by Express Pre-
paid: Per pk. 5c, lb. 25c, 3 lbs.
60c, 7 lbs. (will plant an acre.)

\$1.00. Specimen ears 25c each post-
paid. By Freight or Express, pur-
chaser paying charges.—Per pk. 65c,
bushel \$2.00, 2 bushel or more @ \$1.85,
5 bushels or more @ \$1.75.

ORDER EARLY.

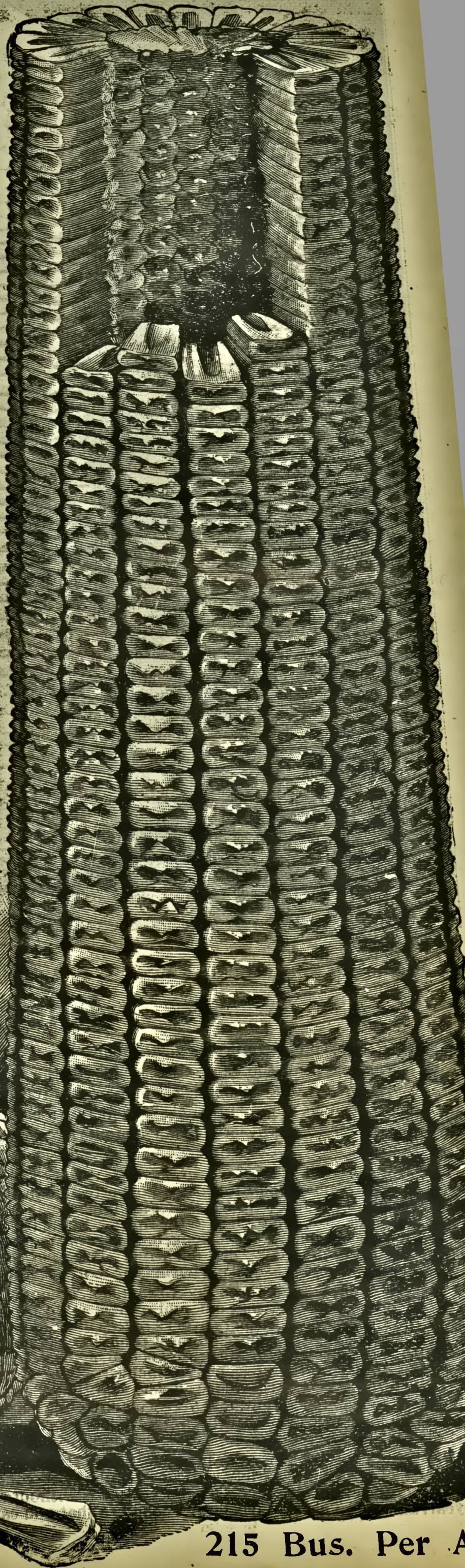
There is Sure to be a Great
Demand.

**THE BEST ON A
22,000 ACRE FARM.**

"On this estate, comprising
about 22,000 acres, there was
grown this year nearly 10,000 a.
of corn, including almost all
known standard sorts suited to
this latitude, and we consider
that of the white varieties the
IOWA SILVER MINE is the
purest and in all respects the
most satisfactory of all."—W.
A. Bichet, Manager.

Iowa Silver Mine.

215 Bus. Per A.



\$10,000.00 IN PRIZES.

Everywhere the Iowa Silver Mine Captures Prizes

Over all other varieties, and it is estimated that they have amounted to over \$10,000.00. At one great Corn Show it won eleven (11) of the best prizes offered, in competition with varieties of every color, kind and description, competition open to the world. In 1896 we offered \$500.00 in prizes for the largest yield and the first prize was won by Mr. Claus Joehmsen, a well-to-do German farmer of Scott county, Iowa, with a yield of 215 bushels of shelled corn per acre. His written report was signed, also, by two neighbors, who helped him to measure the ground and gather the corn, and it was weighed by the public weighmaster, who also made a written report. To verify this the president of the Iowa Seed Company personally inspected and measured the field and estimated carefully the corn in the crib.

READ WHAT THE PEOPLE SAY.

"The Iowa Silver Mine is all you represent it to be. It ripened in 90 days and produced ears 11 inches long and 7 inches in circumference."—H. R. Burton, Butler county, Penn.
"I have been growing your Iowa Silver Mine Corn for three years past and it yields fully ten bushels per acre more than any other corn here this year, in spite of the unfavorable weather."—E. W. Parnell, Story county, Iowa.

"Your famous Iowa Silver Mine Corn yielded a big crop this year."—Lewis Frater, Es-cambia county, Florida.

"Your Iowa Silver Mine Corn did exceptionally well with me considering the unfavorable season. It ripened earlier than any other corn in my neighborhood. It is strictly a number one corn, very solid on the cob and well filled out at the tips; makes also a superior quality of fodder."—M. S. Wittle, Lancaster county, Pa.

"The Iowa Silver Mine purchased from you was planted one month after planting my native corn, but it ripened by the time the native corn was in roasting ear and made 50 per cent larger crop."—W. G. Jordan, Chickasaw county, Indian Ter.

"I raised two hundred and twelve bushels of your Iowa Silver Mine Corn on 1 1/2 acres of bottom land. How is that?"—Perry Hartman, Boone county, Iowa.

"The Iowa Silver Mine is the finest corn I ever raised. It is simply grand."—German Ziru, Elk county, Kan.

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

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

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

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

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

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

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

"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 one sees anything bred up to such perfection as this new corn."—W. O. Ruddick, Lee county, Iowa.



SECTION OF EAR, AND MAN WHO GREW PRIZE CROP—215 BUSHELS PER ACRE.

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

"Last spring I planted one peck of your Iowa Silver Mine Corn and gathered 100 bushels of the finest corn I ever saw."—J. Clay Fox, Rock county, Neb.

"I am especially pleased with the Iowa Silver Mine Corn and it is worth five times as much as the Mastodon which I have been growing."—Jacob B. Siemens, Reno county, Kan.

"Your Iowa Silver Mine Corn is as fine a corn and as early maturing as I ever saw. I have sold considerable seed to my neighbors, and everyone is more than pleased with it."—D. A. Blankinship, Dunklin county, Mo.

"I have grown the Iowa Silver Mine Corn each year since its first introduction and have annually noted its characteristics in my field, and do not hesitate to say that I consider it the best well known variety before the public. The plant is vigorous and uniform and adapts itself readily to a wide range of latitude, a climate and soil variations. Its leafage is strong and abundant, and I have measured 2,084 square inches of leafage to the single stalk which seems an almost incredulous amount. Without doubt it will carry the fair name of 'Iowa' around the globe."—S. S. Barr, Scott county, Iowa.

"I think your Iowa Silver Mine Corn is the best corn in the west. I planted it May 2d, and every ear was ripe by the last of August."—A. C. Collins, Minnehaha county, S. D.

"Your Iowa Silver Mine is as fine a corn as I ever saw grow. It has large, well-shaped ears, and filled out clear to the end of cob. I planted the 10th of May and it was well matured by the 15th of August."—Charles W. Richards, Woodbury county, Iowa.

YOU CAN'T GROW

200 BUSHELS OF CORN PER ACRE

Of course you can't. You know it can't be grown because you never grew even 100 bushels per acre; because your father always said that it was impossible to grow that amount; because when your neighbors grew 60 or 70 bushels per acre they considered it an immense crop; because the average crop of corn in the United States is only 28 bushels per acre, etc., etc. As long as you continue planting the old varieties you cannot expect to grow any better crop.

READ THE

Reports of Large Crops

In this book. These crops were grown by honest, reliable men. Your father was right in his statement, so far as the old varieties are concerned, but the Iowa Silver Mine is not like them. It has no barren stalks, every stalk bears at least one large ear, many have two ears and some bear three ears. You can grow 200 bushels per acre if you plant the right variety, and please remember that even one bushel per acre added to your crop pays the cost of the seed.

TWO WAYS.

EVERY corn grower who strives to increase his corn crop has two ways to do it. He can increase the yield per acre, or he can put in more acres. The farmer who wants more corn will do well to study the first method before he decides on the latter. Good seed is the first essential to a bigger yield of better corn, therefore plant the Iowa Seed Company's improved varieties and add 20 to 50 per cent to your crop.

HURRAH!

—THE—

IOWA SILVER MINE

Was again victorious at the Illinois State Fair, winning First Prize with a crop of 205 Bu. Per Acre.

At the Peoria Corn Exhibition it captured more premiums than all other varieties collectively.

56 LOADS OF CORN

—On the way to market—

An actual scene, taken from a photograph.

OUR IOWA SILVER MINE CORN

Gets there every time. Fifty-six loads averaging 47 bushels = 2,632 bushels, or the product of 15 acres such as our prize-winners grew—176 bushels per acre.



FIFTY-SIX LOADS OF CORN ON THE WAY TO MARKET.

USE THE RAMSEY CORN HUSKER—BEST ON THE MARKET.

\$\$\$

FULL CORN CRIBS

"The Farmer's Reliance Corn purchased from you has made a splendid yield."—*Herman Hunt, Iowa.*

"Your Farmers' Reliance Corn proved to be a very fine corn and I was much pleased with it."—*W. A. Whitmer, Clinton county, Iowa.*

FARMER'S RELIANCE CORN.

A grand novelty in field corn, introduced by the Iowa Seed Co. and it is by far the earliest variety of dent corn in existence, and also the largest eared early corn. It is earlier than Pride of the North and a much better cropper. This new variety of corn is the result of a scientific hybridization made fifteen years ago, by a practical seed corn grower and this has been followed by careful selection each year since, the object being to obtain the earliest corn in the world. The corn is of a very strong, vigorous character, growing more rapidly than any other variety from the day that it is planted. **Its quick growth really surprises one** with the speed with which it hurries on to make ears. The stalks usually have from 9 to 11 blades, while most ordinary corn has 13 blades. These leaves are quite broad, of dark emerald green healthy color. This corn has been planted as late as June 26th and yielded a splendid crop, earlier than Pride of the North, which was planted at the same time. We claim that it will mature any year in 80 to 85 days. The ears are much larger than Pride of the North, not as rough or hackled, thus making it easier to handle, and the yield is 25 to 35 per cent more than Pride of the North, under the same conditions. An average bushel of 70 pounds will make 60 pounds of shelled corn. It has for years been selected from stalks which set the ears 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 farmers' reliance every year.** The originator has taken the first prize for early yellow corn at every fair at which it has been exhibited. Don't fail to plant at least a small quantity, and thus obtain your seed for another season. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, pk 75c, bu. \$2.25, 2 bu. or more @ \$2.10, 5 bu. or more @ \$2.00.

H. H. Connell says:—"Your Farmers' Reliance is the earliest corn I have ever seen or grown, maturing in 80 days, being ten days to two weeks earlier than Pride of the North, and yields double as much per acre."

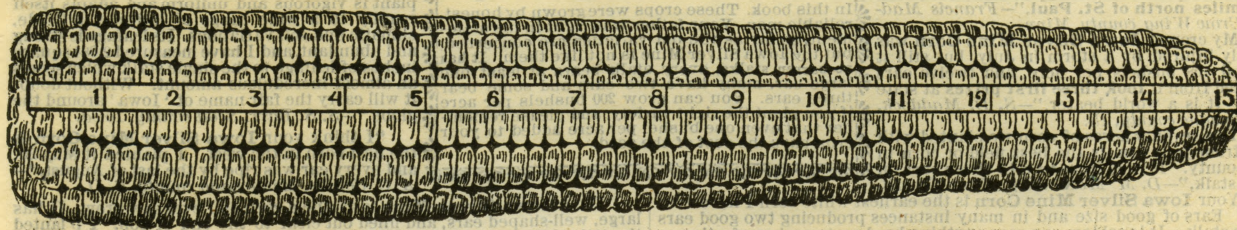
"Last year I purchased some of your Farmers' Reliance Corn and was very much pleased with the splendid crop, as it yielded 400 bushels of ears, from three acres of ground. Your corn is all that you recommend it to be."—*Mrs. Harriet Brown, Ashsabila county, Ohio.*

"The Farmers' Reliance Corn yielded a big crop for me and I was much pleased with it."—*Chas. Guilford, Jones county, Iowa.*

Fatten Your Pocket Book
BY PLANTING OUR
IOWA SEED CORN
This Year.

I planted last season twenty varieties of your seed corn, and took first premium on my exhibits at the Wisconsin Fair. Think it did exceptionally well."—*I. Rezertee, Winnebago county, Wis.*

Your Longfellow Dent Corn is all right and averaged this year 45 to 50 bushels per acre, producing ears 12 to 14 inches long.—*J. B. H. Tapke, Dubuque county, Iowa.*



EARLY LONGFELLOW DENT CORN.

INTRODUCED BY THE IOWA SEED CO.

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. The trouble with most extra early sorts, however, is that they are too small and "nubbinny," 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. It 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 there is a thought of 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 wagon load of it is as pretty as a picture. We recommend it highly to customers in Northern Iowa, Minnesota, the Dakotas and other northern states, feeling sure that it will please every one. Order early, as there is sure to be a great demand. Per pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, per pk. 65c, bu. \$2.00, 2 bus. or more, at \$1.85, 5 bus. or more, at \$1.75.

I was much pleased with your Early Longfellow Dent Corn this year. It was very early and yielded more bushels per acre than either of the other three varieties of corn that I grew. The ears were long, well filled out and solid. I consider it an **exceptionally good corn for feeding hogs** and prefer it to the deep grain sorts which are more apt to mildew. It also shells out better than one would expect from the looks of the ear, and is the easiest corn to husk I have ever grown.—*T. J. Lee, Iowa.*

"Your Early Longfellow Dent was a winner in this locality. Many stalks had two good ears and the ears were 10 to 14 inches long."—*E. E. Grandall, Lenawee county, Michigan.*

"I obtained seed of your Early Longfellow Dent Corn and was much pleased with the result. It was fully as early as Pride of the North and yielded fully double as much."—*Stephen Harvey, Polk county, Iowa.*

"I will plant most of my crop next year with your Longfellow Dent Corn as it proved so satisfactory this season."—*A. A. Wagner, O'Brien county, Iowa.*

"Both the Early Longfellow Dent and Mastodon purchased from you this year, were dandy varieties and will yield 50 bushels per acre this season for me."—*H. C. Rittgers, Palo Alto county, Iowa.*

"The Longfellow Dent Corn is a No. 1 variety and it did remarkably well for me. The seed bought of you produced large, heavy ears weighing 1 1/4 pounds."—*John Osborn, Meeker county, Minn.*

"Your Early Longfellow Dent Corn has done first-rate with me and is a perfectly safe corn to plant in this latitude."—*J. D. Wheaton, Lyon county, Iowa.*

"Last year I planted three-fourths of an acre of your Profit Corn, and it yielded 102 bushels or at the rate of 136 bushels per acre. The Early Longfellow Dent yielded 85 1/2 bushels per acre and I was greatly pleased with them."—*W. T. Swartwout, Tuscola county, Michigan.*

DON'T NEGLECT TO PUT IN A CROP OF PENCILARIA THIS YEAR.

NEW SNOW WHITE DENT.

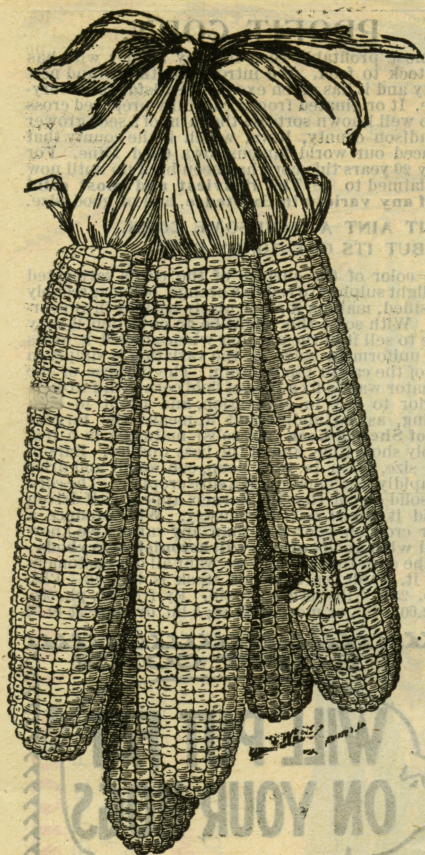
A comparatively new variety which was first sent out by a seed corn grower living not far from the place where the now world famous Iowa Silver Mine Corn, introduced by the Iowa Seed Co. in 1896, was originated. Some think that it is from a selection of the Silver Mine. However, it is an excellent variety of special value for milling purposes. The introducer says: "Superline Meal, made from Snow White Dent Corn is by all odds the best meal made in this or any other country. The ordinary dull, white colored, slightly mixed, immature white corn of the country will no more make such meal, than will a sow's ear make a silk purse. Snow White Dent is the whitest, purest, most perfect, heaviest yielding, and in every way the best milling corn in the world to-day." It is assuredly a desirable new sort which it will pay you to try if you want to produce corn for milling, but for general use the Iowa Silver Mine will doubtless prove more satisfactory owing to its unequalled productiveness. Our seed was grown from originator's stock and is undoubtedly as pure and true to name as can be obtained. Pkt. 5c, lb. 25c, 3 lbs. 60c postpaid. By freight per pk. 75c, bu. \$2.50, 2 bu. or more @ \$2.35, 5 bu. or more @ \$2.25.

PERFECTED GOLDEN BEAUTY.

A greatly improved strain of this popular variety and it is claimed by the originator to be the largest grained and handsomest bright golden yellow corn ever sent out. Ears are of medium length, 10 to 14 rows on a comparatively small cob. In many respects, aside from color, it resembles the Hickory King. Ears are well filled out to the very tip. It is rather late and we do not advise planting north of Des Moines, but for southern Iowa, Missouri and places of that latitude it produces a large crop. Throughout Ohio, Pennsylvania and the east, they think there is no corn quite equal to the Golden Beauty, but is rather late for this latitude. Matures in about 120 days. If you want a corn for marketing in the ear or shelled, you will find the Golden Beauty satisfactory. Makes a superior quality of bright yellow corn meal. Pkt. 5c, lb. 25c, 3 lbs. 60c postpaid. By freight, peck 65c, bu. \$2.00, 2 bu. or more @ \$1.85, 5 bu. or more @ \$1.75.

SEED CORN IN THE EAR.

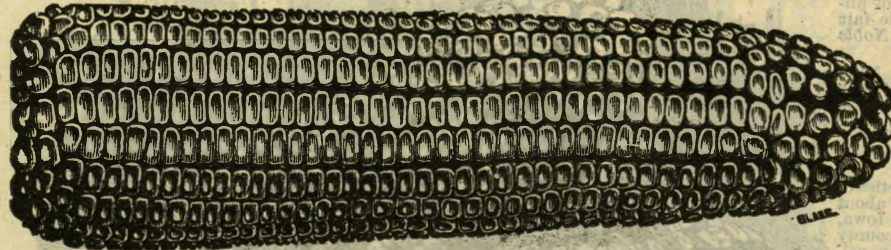
No seed corn breeder will go to his stock of seed corn and pick out exhibition ears and sell them for a price that the farmer is willing to pay, but he will sell seed corn that is so pure and well bred that by growing it he can get these exhibition ears. Very few ears of even the purest, highest grade varieties, are perfect in all respects and a grower will sometimes look over a thousand bushels in order to find half a dozen ears suitable for exhibiting. We furnish our growers with the stock seed for growing our varieties. We select that stock according to the standard of each variety, viz.: shape and color of each ear, filling out of butts and tips, number of rows, the kernel, etc., and will sell you just as good corn shelled as in the ear at a much less cost to you. If you buy seed corn in the ear you pay for the box to ship it in, which costs about 25 cents for each bushel, you pay for the extra time it requires to carefully pack the corn in such a way that it will ship well; you also pay freight on the box and on the cobs and tip grains which amounts to fully half of that on the corn. You also lose several pounds per bushel of tip grains as you do not get your 56 pounds of seed corn. Very few, comparatively, order seed corn in the ear, though we have it listed. However, if any one prefers to have it in the ear we will furnish any variety we list, tipped and well packed at 35c per peck, 60c per half bushel and \$1.00 per bushel above the list price of each variety if ordered before the first of March, after which time the stock of seed corn in ear is apt to be exhausted.



SNOW WHITE DENT.

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, although it does not ripen here, usually it matures enough to come in full milk, which is just the right state to eat. Quite popular with dairy farmers. Per pkt. 5c, lb. 25c, 3 lbs. 6c, postpaid. By freight, per peck 60c, bushel \$1.75, 2 bushels or more @ \$1.60, 5 bushels or more @ \$1.50.

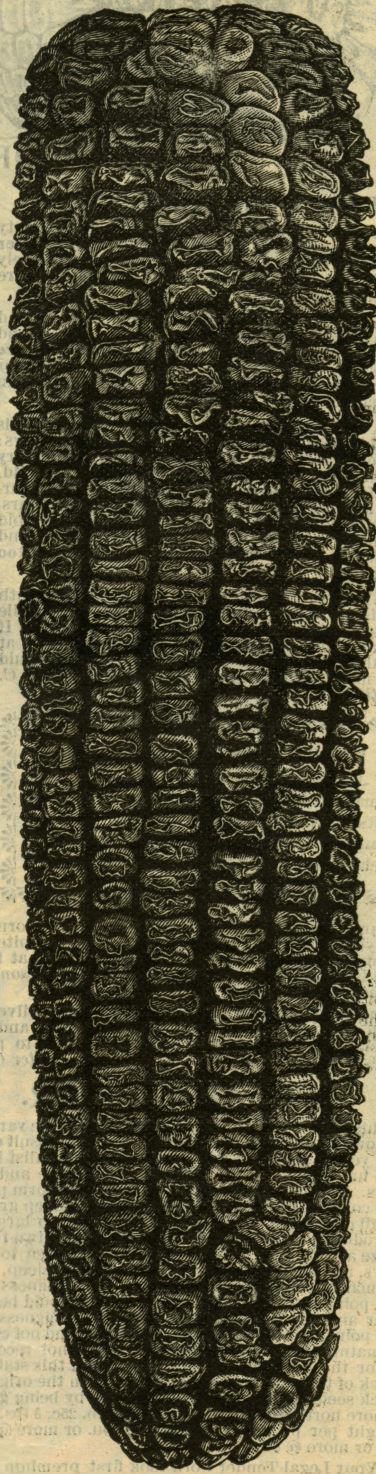


STAR LEAMING.

STAR LEAMING.

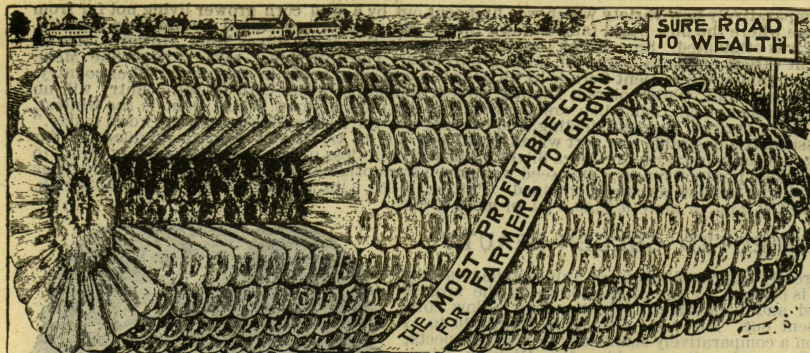
The Leaming corn, which originated with Mr. Leaming, of Ohio, was always a good variety, but it had some serious faults for culture in this state, and we have refrained from giving it our endorsement. A few years ago we found an extra fine lot in the hands of an enterprising Iowa farmer, who had been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

The ears are large and handsome, with deep large grain of rich deep orange color, on a medium to small cob. It grows to medium height, setting the ears about four feet from the ground, husks easily, and the corn is snug on the cob, thus making a very solid, heavy feeling ear. Surface is quite smooth for dent corn. It is very productive, and it is the ideal variety for selling in the ear. We sold many thousands of bushels of this variety last season, and expect to exceed the record this spring. Don't plant common corn when you can obtain this grand variety so cheap. Pkt. 5c, lb. 25c, 3 lbs. 60c postpaid. By freight, peck 60c, bu. \$1.75, 2 bu. or more @ \$1.60, 5 bu. or more @ \$1.50.



PERFECTED GOLDEN BEAUTY.

USE THE ROTARY HAND CORN PLANTER FOR SMALL FIELDS OR REPLANTING.



PROFIT CORN.

PRACTICAL FARMERS SAY:

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

A Guthrie county farmer says: "I like it and shall plant entirely of it next season. It is solid and heavy and **feels profitable while you are husking it**. Matured better than any other corn, there being less loose or chaffy ears than usual with other varieties this season."

A successful Madison county farmer, who is satisfied only with the best of everything, says: "Your Profit Corn is by far the most satisfactory corn I have ever grown, on account of its solid, uniform ears, deep grain, early and even maturity and freedom from light, loose or chaffy ears. While not so even in color as your Iowa Gold Mine, it is larger, more solid, less hickled and easier to husk. **You cannot recommend it too highly.**"

"Your Profit Corn proved to be a great drouth resister. Every stalk had a good ear, while other varieties of corn yielded but very little. If I had planted my fifty acres with Profit even at your high price as I thought for seed, I would be many dollars ahead on my crop."—G. C. Bothell, Webster county, Neb.

DON'T BUY PROFIT CORN

If you want a variety to sell on the market, for you may be disappointed, as its variation in color gives it the appearance of being mixed, but if you want first class corn for feeding don't fail to try it.

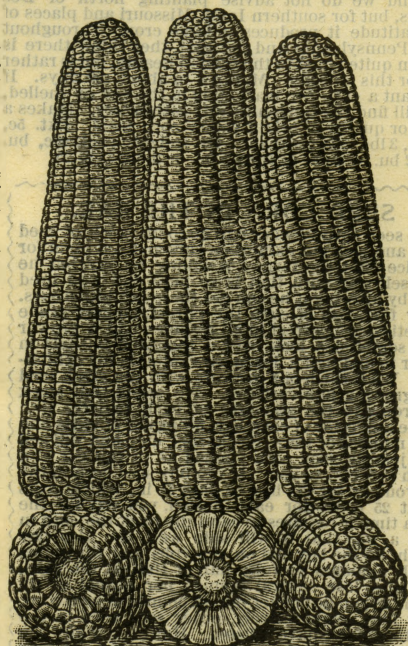
I am wonderfully pleased with your Profit Corn, which has yielded 75 bushels per acre this year in spite of unfavorable conditions. I expect to exhibit it at the fair as it is of such superior quality.—M. C. Dolson, Noble county, Ohio.

The Iowa Gold Mine, Profit and Iowa Silver Mine Corn received from you did well this year and I was specially pleased with the Profit. I expect to plant 75 acres the coming season.—O. Ragsdale, Custer Co. Okla.

LEGAL TENDER.

This is now one of the most prominent late varieties of yellow dent corn in the country. It is the result of about ten years' selection by a seed corn specialist in Iowa, and has taken first premium at many state and county fairs. The corn is productive, and of uniform pure yellow color, ear very large and long and a deep grain on a small cob, while the stalk does not grow too large. The introducer says: "Our ideal ear is an ear two-thirds as large around as it is long, containing sixteen to twenty rows, and small shank. The kernels are deep, the cob is small at the butt and the ear holds its bigness toward the point until near tapering off. It should be capped over and the kernels should hold their bigness toward the point, and the butt run out straight and not crinkle." It matures in about 115 days, but we do not recommend it for the extreme northern portion of this state. Our stock of this is extra select, grown from the originator's stock seed, but improved in earliness by being grown in a more northern latitude. Pkt. 5c, lb. 25c, 3 lbs. 60c. By freight per peck 6c, bu. \$1.75, 2 bu. or more @ \$1.65, 5 bu. or more @ \$1.60.

"Your Legal Tender Corn took first premium for the best yellow corn at the Cass county fair. It was very fine."—F. B. Van Orman, Cass county, Iowa.



Ears of Profit Corn.—Notice depth of grain and how wonderfully well it is filled out over both tip and butt ends. These points together with its great solidity make it a most profitable sort to feed or sell.

PROFIT CORN.

A most 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 county, Iowa, which is the county that produced our world famous Iowa Gold Mine. For nearly 20 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 good size.

IT AINT A HANDSOME CORN, BUT ITS GOT MONEY IN IT.

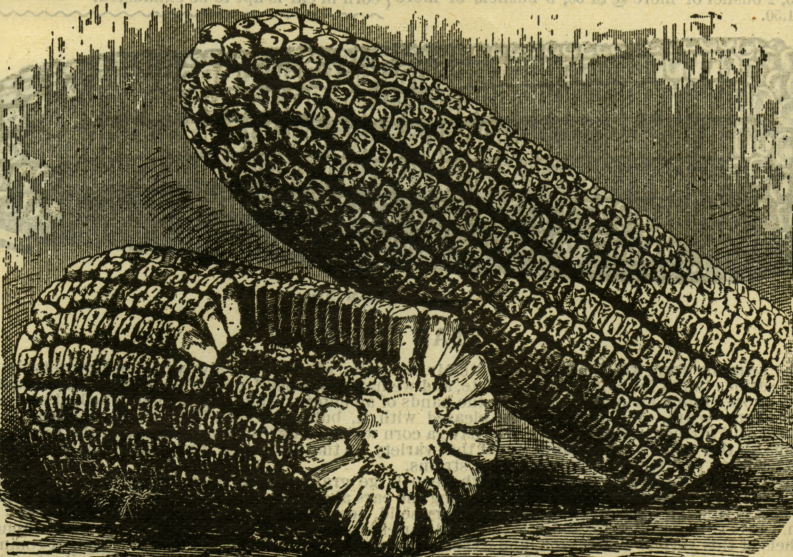
The color of the surface of the ear is variegated from light sulphur to reddish orange, being agreeably diversified, making it particularly striking in appearance. With some this might be an objection if they desire to sell it in the ear, but when shelled it looks quite uniform in color as the variation is simply in color of the cap or top of grain. The purpose of the originator was to fix a type of field corn **FOR PROFIT**, superior to any in cultivation, and profit in corn growing, as we understand it, means the **largest crop of Shelled Corn** (not cobs) maturing in 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 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. Order early as our stock is limited. Pkt. 5c, lb. 25c, 3 lbs. 60c postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more @ \$1.85; 5 bu. or more @ \$1.75

PROFIT CORN

WILL PUT FAT ON YOUR HOGS

"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. The Iowa Gold Mine Corn I received of you is beautiful in color, shape and size. In my opinion it is one of the leading corns in America.—B. J. Clarida, Williamson county, Ill.



LEGAL TENDER.

THE BEST STOCK FOOD

PENCILARIA - THIS WONDERFUL FODDER PLANT HAS PRODUCED 95 TONS PER ACRE IN A CAREFULLY WEIGHED TEST.

SPELTZ - MOST VALUABLE OF ALL GRAINS AND OUTYIELDS ALL OTHERS.

GIANT HALF SUGAR MANGEL - RICHEST FOOD FOR DAIRY COWS - INCREASES FLOW OF MILK - YIELDS IMMENSELY.



PENCILARIA

GIANT HALF SUGAR MANGEL
1600 BUSHELS PER ACRE

SPELTZ

THE
MOST PROFITABLE
VARIETIES OF CORN GROWN
IOWA SILVER MINE - THE MOST PRODUCTIVE
OF ALL - HAS YIELDED 215 BUSHELS PER ACRE
GOLDEN WEST - THE HEAVIEST YIELDING AND
BEST BRED YELLOW CORN IN EXISTENCE

GOLDEN WEST

INTRODUCED BY IOWA SEED CO. DES MOINES, IOWA.

IOWA SILVER MINE

HAVE YOU TRIED PENCILARIA?

This question was asked everywhere during the past year at the state fairs, agricultural shows, farmer's institutes, and in fact wherever wide-awake, intelligent farmers congregated, and there has never been a plant which awakened such wide-spread interest. Those who had not tried it went to see their neighbors' fields and resolved that they would not be behind time another season. At the fairs there was no plant which caused one-half so much interest and wonder as Pencilaria, and the exhibitors were obliged to put in most of their time answering questions about it.

Reports come from sections where corn was destroyed by hot winds, but Pencilaria lived through the drouth and gave three to seven cuttings of fodder during the season. In other places the ground was so wet that other crops proved a failure, but when not absolutely under water, Pencilaria held its own. In sections where the soil was too poor to grow corn, Pencilaria went right ahead and made a prodigious growth, as it seems to exist largely from the atmosphere. The newspapers have been full of letters from farmers telling of their success, and while many editors discourage farm novelties, they could not contradict the wonderful reports about this new plant. Be sure and read description on page 47 and send for circular giving testimonials from all parts of the United States. Pkt. 10c, 1/4 lb. 25c, 1/2 lb. 40c, lb. 75c, by mail postpaid. By express or freight, 5 lbs. or more @ 50c per lb.

While Pencilaria will grow in any soil, still it is better if the ground is fairly rich and thoroughly loosened. If the seed is planted too thickly in the drills or the rows too close together, it will not give as good results. It should have plenty of room to grow and it will then surprise everyone. Do not make the mistake of letting it grow up without cutting as it will grow more spindling and will not stool out as well nor make as many stalks.

GIANT HALF SUGAR MANGEL.

After growing this three years on our trial grounds and testing its feeding qualities we find that it is far superior to any variety of either Mangel or Sugar Beet, that we know of. It is the result of a cross made in France between the Mammoth Red Mangel and Improved Sugar Beet, growing about as large as the mangel with the rich sugary sweetness and highly nutritive qualities of the sugar beet. Shape of root is shown by our illustration and it stands so well out of ground that it can almost be "kicked out" instead of plowing or digging. Color light rose, and quality extra fine. On our place this year it grew to a larger size than any of the mangels and was earlier in maturing. No one who has even one cow can afford to be without it if they wish a large amount of highly nutritive food at a low price. Costs less than 5 cents per bushel to grow and harvest. Per pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 60c, postpaid. By express, 5 lbs. (will plant one acre) \$2.00. Directions for growing, storing and feeding free to our customers.

IOWA SILVER MINE CORN.

Beyond question the most productive corn ever introduced and has everywhere won highest honors in competition with every well known variety now on the market. If you have not tried the Iowa Silver Mine you cannot claim to be posted on what good corn is. There is no other variety of any color which has ever gained the popularity. We are the original introducers and it will pay you to purchase direct from us. See description on pages 28 and 29. Price per pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight per pk. 65c, bu. \$2.00, 2 bu. or more @ \$1.85, 5 bu. or more @ \$1.75.

GOLDEN WEST CORN.

For years we have been searching for a variety of corn with the bright golden yellow color and deep grain of the Iowa Gold Mine and the great yielding qualities of Iowa Silver Mine and we now offer this new variety as coming nearest to our ideal. Don't fail to read the description on pages 35 and 36 and be sure to try it. Per pkt. 5c, lb. 30c, 3 lbs. 75c, postpaid. By freight, peck 90c, bu. \$3.00, 2 bu. or more @ \$2.75, 5 bu. or more @ \$2.60.

SPELTZ.

This is without doubt the most valuable variety of grain which has been introduced for many years and we are glad to have been the first seedsmen to offer it in the United States. It has already added thousands of dollars to the value of northern lands and especially to the value of poor land which was not rich enough to grow a crop of wheat or other grain. It not only yields 70 to 100 bushels of grain per acre under favorable conditions, but it also produces several tons of straw which is of much feeding value. The grain is claimed to be richer than corn for feeding and of superior quality for fattening cattle, hogs, sheep, poultry, etc. Sow 50 to 75 lbs. per acre according to strength of land. Per trial pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 50c, bu. (40 lbs.) \$1.25, 2 bu. or more @ \$1.00, 5 bu. or more @ 90c.

"I am well pleased with the Speltz purchased from you and all my neighbors want seed of it."—C. A. Pownder, Peterborough county, Ont.

Emil Shuman, of Sherman county, Neb., says:—"It stooped out heavily; each kernel produced 28 to 45 sprouts and every sprout had a nice head averaging three inches in length. The straw was very stiff, and I do not think it will lodge even on rich soil, and is a heavy yielder."

"The Speltz purchased from you does well in our climate, and for poultry food will beat all other grains. I believe it will do well in the south as a winter grain also."—L. L. Weisbrod, Cape Girardeau county, Mo.

I have bought seeds from you for several years past and expect to continue to as long as I can get such good seeds as you have always sent me.—Harry Bassindale, Hagenman, Idaho.

The sugar beets, mangels, carrots, parsnips and other seeds purchased from you grew crops this year which took the blue ribbon at our fair. Your seeds simply can't be beaten either in quality or quantity.—Wilbur Bush, Mason, Mich.

They All Like It.

We have received letters from persons in all parts of the United States praising Pencilaria. These are samples:

WAY UP NORTH.—I have planted Pencilaria, and think it is wonderful the way it stool out, as there are over sixty stools from one root."—E. C. Officer, La Moure county, N. D.

Your Pencilaria I think is the greatest fodder plant ever grown in Nebraska. I have counted seventy-five stalks from one seed, and it is about twelve feet high. I can conscientiously recommend it to the farmers.—J. H. Fox, Cuming Co., Neb.

WAY OUT WEST.—Owing to the unfavorable season Pencilaria grew only about six feet high; seed heads are nine to ten inches long and it produced twenty-five stalks to the seed.—M. A. Moon, Monterey county, California.

DOWN EAST.—Your Pencilaria has excited the admiration and wonder of all who have seen it. It was planted with many doubts, worked indifferently, and raised under protest by my tenant, who believes in corn and don't like new fangled notions, and it is proper to state that in every respect it is equal to your representations and will prove a boon to our locality. My ancestors have farmed this place since 1675. The land is worn out for corn but grows Pencilaria luxuriantly. It would be impossible to over estimate the value of this new plant.—Joseph M. Worthington, Anne Arundel county, Maryland.

WAY DOWN SOUTH.—The Pencilaria is all that you describe it to be, producing well, and was relished by the cows amazingly.—Mrs. P. DeMere, Union Co., Fla.

T. M. Dodd, De Witt county, Texas, says:—"I have grown Pencilaria two years and am convinced that it will produce more food to the acre than anything I have ever seen or tried. The cattle will quit cane at any time to eat Pencilaria and it produces three or four crops per year and 40 to 50 stalks from each seed."

I have noticed some statements that your Pencilaria is like the old Pearl Millet, but the latter is positively a failure here, while Pencilaria stands green and thrifty as though regularly watered. Prof. Budd, one of the best posted horticulturalists in the United States induced us to plant it.—Chas. N. Knight, Bezar county, Texas.

Aug. 25.—I planted about one-half acre of your Pencilaria this year and in spite of the fact that we have had the most extreme drouth in south west Texas that has been known for years, and practically no rain since May. Pencilaria attained a height of 10 to 12 feet and remained green and grew when cane withered and died, and now at the end of four months of the hottest, driest weather any one ever saw, it still continues to grow, and it is so green that it is almost black. I usually plant 200 to 300 acres of cane, but I honestly believe I can get better food and more food from fifty acres of Pencilaria than I could from 100 acres of cane. I think in five years it will be the main feed raised here.—W. E. Miller, Bee county, Texas.

Sept. 11.—Your Pencilaria is a first class forage plant and superior to Teosinte, besides being valuable for its seed.—Jno. J. Delehamps, Mobile county, Alabama.

I believe Pencilaria is the thing to plant for forage in southern Illinois. I planted seven different kinds of forage plants last spring, and Pencilaria is the only one I shall plant the coming season.—J. M. Dashiell, Macou county, Illinois.

I am well pleased with the Pencilaria received from you last spring and my horses, cows and pigs were also.—Willis Jackman, Montgomery County, Indiana.

I planted Pencilaria on clayey soil and it made a grand crop twelve feet high. I cut it twice during the season. It will "fill the bill," especially for cows.—Geo. T. Tosh, Westmoreland county, Pa.

Your Pencilaria is truly wonderful in spite of the extreme heat. I think that it would more than double the yield of any fodder plant I know of.—J. M. Lyons, Story county, Iowa.

Your Pencilaria is a fine fodder plant for cows, horses and hogs. In spite of the cold, wet season here it produced 32 to 38 stalks to each plant.—French Nichols, Whitman county, Wash.

The Pencilaria received from you has proved to be a good fodder plant in this section of the country. I expect to put in a large quantity of it another season.—A. U. Craven, Van Buren county, Mich.

SEE COLORED PLATE ON OPPOSITE SIDE OF THIS SHEET FOR ILLUSTRATIONS OF THE ABOVE NOVELTIES.

GOLDEN WEST.

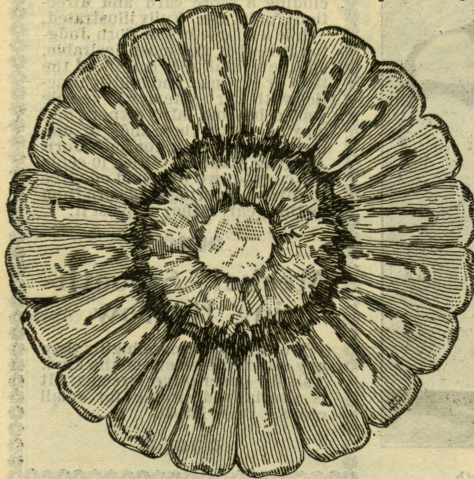
THE past ten years have brought out many varieties of corn and we have tested hundreds of varieties on our farm but none answered every requirement. The one which nearest approached perfection was the Golden West, which is a new variety originated in eastern Iowa by one of the most practical seed corn specialists in the United States. We have watched it during the two very trying years just past, not only on our own place but also thoroughly examined the crop grown by the originator and on the only other farm on which it has ever been grown, so that we are now satisfied that it is

The Best Yellow Corn Ever Offered.

For six or seven years past we have been searching for a variety of corn which had the characteristics of the Iowa Gold Mine as to depth of grain and color, but which produced a larger ear and would yield a better crop. We have also been at work trying to produce such a variety on our own place, but it is difficult to breed it up in such a way that it will hold these valuable characteristics. The **New Golden West comes the nearest to our ideal** and we have decided that it is far superior to any yellow corn now on the market. The stalk and manner of earing greatly resemble the Iowa Silver Mine, the ears averaging fully as large or larger and the grain is much more solid on the cob. It is a variety that no one can fail to be pleased with.

DESCRIPTION. Golden West is one of the most vigorous growing varieties that we know of. The stalk is of medium height, not as tall as Legal Tender, but very much thicker at the ground, short jointed and has broad leaves which help to mature the large crop of corn which it produces. It is **the deepest rooted corn that we know of** and therefore not easily injured by hard wind storms nor are the roots so near the surface as to be broken off and the vitality of the plant sapped and weakened in cultivating the crop.

The ears have usually eighteen to twenty rows a little larger size than Legal Tender in an ordinary season. It is the **most attractive appearing golden yellow corn** that we know of, just as the Silver Mine is the most attractive and best white corn. There are many ears which measure eleven inches in length and weigh one and one-half pounds containing 1200 to 1500 grains to the ear. The kernels are of such shape that they wedge in tightly and make a solid ear, not only at the cap but also down near the point or germ end (see cut of ear section).



This is a characteristic which is overlooked by many corn breeders, thus causing ears of ordinary varieties, which appear solid, to be of light weight. The germ contains more nutriment than any other part of the kernel and it should be plump and well filled out to insure good feeding value as well as vigorous plant growth.

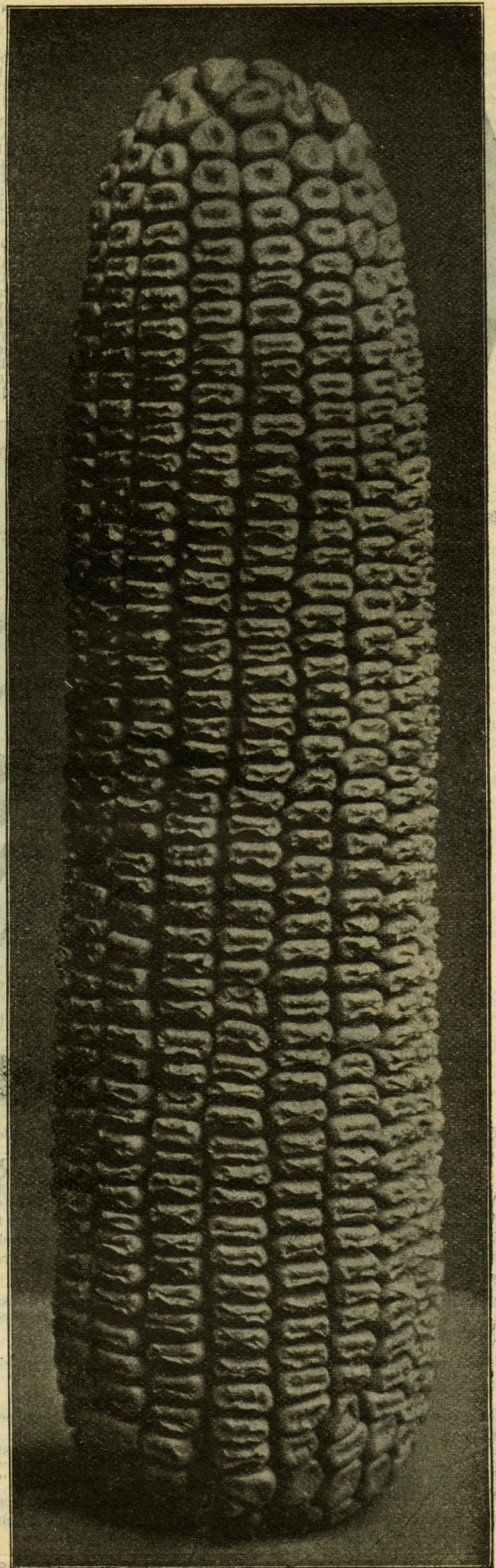
The ear is solid, nearly uniform in size throughout its entire length, but gradually tapering off to a blunt oval tip. The ear shank is of medium length, strong but not large; cob comparatively small and of such nature that it dries out rapidly thus insuring a well matured crop, even during unfavorable seasons.

It matures in about 100 days, thus making it a safe corn to plant and we claim that it will yield a large crop than any other yellow corn in existence.

The breeder of this corn has been working on essential principles for many years, and instead of simply crossing two good varieties, he has made his cross from several varieties and selected so as to combine the best characteristics of each with an ideal in his mind which he was working towards. Instead of having simply surface roots like other northern varieties, he has bred to obtain a deep rooted sort which would obtain its nutriment from the sub-soil as well as having plenty of surface roots. In this way he has secured a better leaf structure for the plant which enables it to stand long seasons of drouth, hot weather and strong winds. By working with his first cross to obtain plants with unusual heavy leafage and roots, he has been enabled to build this new variety on a foundation of perfect health and vigor. It is sure to become the leading corn for this latitude and will rapidly win the confidence of all corn growers. Thousands of farmers made money buying our Iowa Gold Mine and Iowa Silver Mine corn when they were first introduced and selling the seed to their neighbors the following season. It will pay you to follow this plan and send in your order early, as the supply is limited. Remember that a bushel plants seven or eight acres, therefore it will cost you only about 35 cents per acre for the seed.

Per pkt. 5c, lb. 30c, 3 lbs. 75c, 7 lbs. (will plant one acre) for \$1.25, **PRICE.** charges prepaid to any part of the United States. By freight, per peck, 9c; bushel, \$3.00; 2 bushels or more @ \$2.75; 5 bushels or more @ \$2.60.

Your Golden West is by far the best corn ever grown in this locality, and fully equal in yield to the Iowa Silver Mine. Part of my land was flooded this year and badly washed by the river, but owing to the Golden West being so deeply rooted it stood up very much better than either of the other varieties which I grew or any other sorts in this locality. It yielded a grand crop of good, sound corn in spite of the unfavorable season.—G. W. Pfeifer.



WHAT THE ORIGINATOR SAYS:

The Golden West Corn originated on the farm of Mr. S. S. Barr in Eastern Iowa, who has made a life study of the corn plant from a scientific standpoint, as well as working out his theories in a practical manner on his own farm. In response to a letter in which we asked him to give, in his own language, full particulars regarding this new variety, he replies:

IOWA SEED CO., DES MOINES, IOWA.

GENTLEMEN:—I hand you a photo of the new yellow corn, the result of many years of careful intelligent breeding, conducted on the only true method for the permanent improvement of types of corn. The stalk, leaf and manner of earing much resemble the Silver Mine, but the ears are larger. The stalk is thick at the ground, short-jointed, has very broad leaves and deep yellow ear, uniform in character. Grain is wide and thick, cobs red and velvety. The ears represented by the photograph are twenty-rowed, eleven inches long and $8\frac{1}{2}$ inches in circumference.

The last two seasons have been extremes; 1901 excessively hot and dry, 1902, on the contrary, cold and wet. In other words, it gave us great extremes of climatic conditions, and any new variety that passed these two seasons more favorably than the old sorts has much to its credit. This, the Golden West did. It is characteristic of it to retain the leaf green after the ear is ripe and husk yellow.

You ask for full particulars concerning this corn which I would gladly give, but to do so would require a very long communication. It would involve the whole theoretic, scientific, as well as the practical phase of plant improvement relating to corn, which, so far, has never been intelligently written or practiced, but only approached by wrongly assumed premises. Along such lines as indicated above I have worked in later years, after learning my methods by the failure of many former years, and by such methods I have produced this new variety. Perfection is not claimed, only that it is well and correctly founded, well established, and I believe, capable of adding millions to the wealth of the western farmers, over what, for the most part, they now plant. Vast treasures of soil, rain and sunlight are being annually wasted by trifling with varieties of corn not capable of utilizing them. To fill this want

Golden West was planned. The Iowa Seed Co. and a few other men working alone and almost unappreciated, have done great good, but the work of improvement for lasting effect has just begun. Yours truly, S. S. BARR.

S. S. BARR, ORIGINATOR GOLDEN WEST.

"And the maize field grew and ripened
Till it stood in all the splendor
Of its garments green and yellow,
Of its tassels and its plumage,
And the maize ears full and shining
Gleamed from bursting sheaves of
verdure."

—Longfellow's Hiawatha.

IT PAYS TO Think

JUST CONSIDER THIS FOR A
MINUTE.

The corn crop of Iowa averages 300,000,000 bushels, worth \$105,000,000. If our improved varieties were grown exclusively the crop would have been fully 20 per cent more and worth 10 per cent higher value, a difference of \$33,600,000.

NO MATTER WHERE YOU
LIVE

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

THIS YEAR.



Notice Wide Leaves and Sturdy Growth.

CORN JUDGING.

Most farmers think they know what good corn is but are unable to give the reasons why one ear of corn is positively superior to another. For the benefit of our customers we have prepared a short treatise on corn judging, including a score card and directions for its use. Fully illustrated. While a course in the Corn Judging School is the most desirable, still, few think they can afford the time or expense, and a little practice with our system will enable you to become fairly expert, and may be worth thousands of dollars to you. Ask for our **Corn Judging Manual**. Price 10 cents per copy, or we will send one free to anyone ordering seed corn from us this year, if they request it.

Meeker Smoothing Harrow.

We value this more highly than any other implement of the kind. Ask for descriptive circular. It is specially desirable for small crops. Price \$25.00.

WONDERS OF THE CORN CROP.

Very few appreciate the possibilities of the corn crop and the difference between a big crop and the average. This difference is largely made from planting ordinary or pure bred seed corn. Let us start with just one kernel of corn and base our figures on the average crop of the prize winners in the great corn contest, 176 bushels per acre:

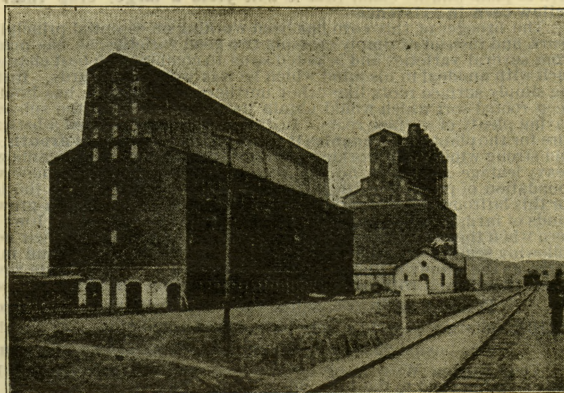
1st. year Plant	1	kernel Iowa Silver mine, produce	1 1/4 lbs. shelled corn-
2nd. " "	1-5 acre	" " " " " "	35 bushels " "
3rd. " "	290 acres	" " " " " "	49,280 " "
4th. " "	394,240	" " " " " "	69,386,240 " "

or sufficient to fill the largest elevator in the world about 14 times, as a product in four years, from only one kernel of Iowa Silver Mine.

As a comparison, take the average crop of the U. S., 29 bushels per acre:

1st. year. Plant	1	kernel ordinary corn, produce	1/2 lb. shelled corn.
2nd. " "	1-14 acre	" " " " " "	2 bushels " "
3rd. " "	16 acres	" " " " " "	464 " "
4th. " "	3,712	" " " " " "	107,648 " "

Thus at the end of only 4 years the Iowa Silver Mine has produced 644 times as much as ordinary corn. Do you wonder that some farmers get rich while others in the same locality barely make a living.



Largest Elevator in the World. Capacity 5,000,000 bushels.

"OF ALL THAT IS GOOD IOWA AFFORDS THE BEST." OUR SEED CORN IS NO EXCEPTION.

IMPROVED WORLD'S FAIR CORN.

We claim to be seed corn specialists and we annually supply more farmers with seed corn than any dealer in the world. Prominent farmers and agricultural writers have assured us that with the new varieties which we have introduced we are rapidly nearing perfection in the corn plant. We cannot wholly agree with them and we do not intend to stop our efforts in this direction, but farmers will find the Improved World's Fair which we are offering this season to be a long step in advance toward the aim we are striving at. It is a strong growing variety, maturing a large handsome ear in about 110 days, or ten days earlier than the Legal Tender. While there may be two or three other kinds that have outyielded it in experiments, yet it is a heavy cropper and for uniformity of grain, shape of ear, filling out of butts and tips, and solidity, there is perhaps no other that equals it. No variety of yellow corn, has been used so much for exhibition purposes, nor won more prizes. Any farmer who wishes to compete for premiums will find this a winner. It was the prize winner of both diploma and medal at the great World's Fair Exposition in Chicago, but since then has been greatly improved. Our stock seed came from the originator two years ago and our present crop is grown from seed selected from the crop of that stock. It is of excellent quality, being solid, heavy and of very strong vitality. The grain is so tight on the cob that in the process of drying sometimes rows will be forced out. This out of the World's Fair Corn represents about the standard ear, which is as follows:—shape of ear nearly cylindrical; length 10 inches; circumference $7\frac{1}{4}$ inches. The kernel is firm, upright, and medium yellow in color, long wedge shape and slightly rough, 18 to 22 rows which are in pairs. Butt deeply rounded and compressed regular rows clear to the tip, shank small, cob red and of medium size, 88 per cent of corn to cob. Every wide-awake intelligent farmer will want to test this grand new sort and can well afford to do so, as it costs only about thirty cents per acre for seed. Any one will be well paid for growing this variety of corn. The beauty and uniformity of the ears in shape, color and completeness, is sure to please all corn growers. It is well adapted to this latitude and has ripened in 112 days at the Iowa Experiment Station. Pkt. 5c; lb. 25c; 3 lbs. 60c, postpaid. By freight or express, pk. 75c; bu. \$2.50; 2 bu. at \$2.35; 5 bu. at \$2.25.

"CORN MURPHY."

Almost every one has heard of the Hon. Chas. J. Murphy, who has done more to advance the growing of corn and its exportation to foreign countries, than any man who ever lived, and we are pleased to insert a copy of his photograph so as to introduce him to our readers. So popular is he in France, Belgium and Germany that thousands of bakeries there have been induced through his efforts to manufacture bread made largely of white corn meal and they call it "Murphy Bread." Through Mr. Murphy's efforts the exports of corn from the U. S. have risen to the astonishing total of 209,348,000 bushels. When Mr. Murphy was at our store he expressed himself as greatly pleased with our stock and manner of handling seed corn, and we have furnished him the seed of a great many varieties for testing in Europe. His present home is in Brussels, Belgium, where the manager of this company visited him about a year ago. He considers our work of introducing varieties of corn which have added so greatly to the crop produced per acre, fully equal to his

work of increasing the consumption of the corn crop.

FARMERS

should bear in mind the great Louisiana Purchase Exposition which is to take place at St. Louis and grow some of our high bred varieties of corn for exhibition purposes there. The greatest contest for honors on corn ever known will be at this exposition. Who will carry off the honors?

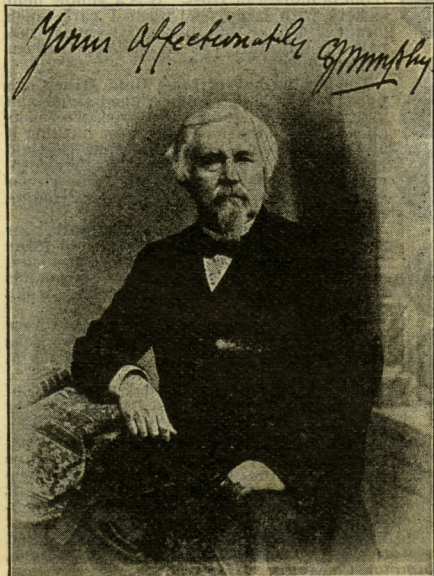
The seed corn I bought of you last spring was the best investment I ever made. It produced fully double as much as that of my neighbors and it is of the finest quality.—W. C. McHenry, Crawford county, Iowa.

Use the Ramsey Corn Husker. See page 126 for Description.

Thirty 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 the height of extravagance and 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 as well as the smallest cobbled and purest yellow variety ever brought out. Since that time we have introduced Iowa Silver Mine, Early Longfellow Dent, Improved Early Mastodon, Lenocher's Homestead, Star Leaming, New Century Wonder, Profit, Farmers' Reliance and Improved World's Fair, which have all become very popular and are everywhere the best in their class. This year we introduce the new Golden West Corn.

IT PAYS TO
PLANT
GOOD
SEED.





IOWA GOLD MINE CORN.

BEST VARIETY OF YELLOW CORN IN THE WORLD.

Everyone who has tried it is enthusiastic in the praise of this splendid new variety which we introduced in 1892. Iowa is not called a gold mining state, but in this grand new variety farmers of this country will find a veritable mine of wealth. It has received the most cordial endorsement as the best and most profitable variety ever grown. It is early ripening, only a few days later than Pride of the North. Ears are not large, but of good size and symmetrical; color a bright golden yellow, as handsome as a twenty dollar gold coin just from the mint; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. 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 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 6 pounds of cobs to the bushel. This is an unparalleled record. It cannot be equaled by any other corn in the world. Thousands of our customers say that they consider it the *ne plus ultra* in corn; that it would be impossible to attain any nearer perfection. It matures perfectly, even in southern Minnesota. 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 reweighed and there was just 456 bushels. Just think of it—a gain of 14 bushels to the 100. Remember, if you want pure Iowa Gold Mine Corn you must purchase it direct from us. If you purchase from your local dealer, insist on seeing that our label is in every bag, plainly marked **IOWA SEED COMPANY**. It will pay you to change your seed, and don't fail to at least see a sample of Iowa Gold Mine before buying elsewhere. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid; by freight pk. 60c, bu. \$2.00, 2 bu. or more @ \$1.75 per bu., 10 bu. or more @ \$1.50.

I received your sample package of **Iowa Gold Mine Corn**. I just had twenty-four stalks and there were sixty-four ears on them.—*Oscar A. Adams, Fannin Co., Texas.*

I sent to you last year for four bushels of **Iowa Gold Mine Corn**. It was first-class. My corn made a big crop and was all sound.—*A. D. Mann, Kankakee Co., Ill.*

The **Iowa Gold Mine Corn** I got of you has done fine. Has been in ear two weeks ahead of other field corn.—*H. G. Blackhall, Rice Co., Kan.*

IOWA GOLD MINE.....
The deepest grained,
purest yellow
corn in existence..

WHAT PRACTICAL FARMERS SAY.

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

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

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

The **Iowa Gold Mine Corn** comes the nearest being all corn and no cob of any variety I ever grew.—*H. F. Jacobs, Cathlamet county, Iowa.*

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

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

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** 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, Colo.*

The **Iowa Gold Mine** has done splendidly here in northwestern Iowa and is now (Sept. 1) out of danger of frost. It is a yellow dent variety with large well formed ears, much larger and finer than our native corn in this part of the state.—*P. R. Bailey, O'Brien county, Iowa.*

The ten bushels of **Iowa Gold Mine Corn** purchased from you made a good stand and vigorous growth and has matured two weeks ahead of any other. We are now husking it and it far exceeds our expectation, the yield being decidedly larger than any other corn, and it is the brightest yellow color I ever saw.—*O. E. Shoneman, Montgomery county, Iowa.*

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 other sorts.—*John W. Ernst, Floyd county, Iowa.*

It pays to buy seed corn from you as I have an excellent crop of both **Iowa Silver Mine** and **Iowa Gold Mine**.—*Anton Karkosh, Tama Co., Iowa.*

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

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

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

I think **Iowa Gold Mine Corn** the best of all, and am satisfied with it.—*B. W. Fisher, Pike county, Mo.*

GRAINS OF GOLD.

We want to urge every farmer to send for
A SAMPLE OF OUR

IOWA GOLD MINE CORN

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

ORDER EARLY.

LAST YEAR WE had an immense supply of **Iowa Gold Mine**, but it was exhausted long before the season was over and we were compelled to refuse many orders for it.

LENOCHER'S HOMESTEAD.

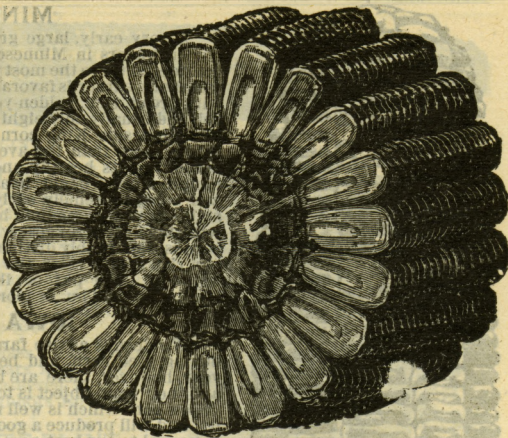
Well known in Iowa for having won the Iowa Homestead prize of \$100.00, yielding **345 bushels on three acres** with ordinary culture. It was also awarded a diploma at the World's Fair. This variety originated with Mr. G. F. Lenoche, one of the most practical corn growers and stock feeders in the state, and was named and introduced by the Iowa Seed Company. Color varies from dark reddish yellow to almost black, but most of the ears are dark red with light colored cap, grain deep and hackled. Ear somewhat above the average size; a small cob which dries out rapidly so that it has never been caught by frost. We believe it to be a safe corn to plant, makes excellent corn for feeding, although its color is sometimes objectionable for marketing. Our stock has been carefully selected for seed purposes. Pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, pk. 60c, bu. \$2.00, 2 bu. or more @ \$1.75, 10 bu. or more @ \$1.50.

"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.*

"I was well pleased with your Lenoche's Homestead Corn purchased from you last spring and shall put in a larger acreage of it next year than any other corn that I am raising. It matured ten days earlier than any other corn."—*E. T. Warne, DuPage county, Ills.*

"Your Lenoche's Homestead Corn grew nicely with me, and I can highly recommend its drouth resisting qualities. We have always found your seeds to be good."—*Oscar Janssen, Howell county, Missouri.*

"Your Lenoche's Homestead Corn is the best hog corn that I ever fed. It is the earliest corn in this part of the country."—*John Aberle, Doniphan county, Kansas.*



LENOCHER'S HOMESTEAD.

REID'S YELLOW DENT.

A well known variety which is very popular in Illinois and has taken many prizes at various corn shows and fairs. The ear is of excellent shape, nearly cylindrical, tapering slowly to tip. Length about 10 inches. Kernels firm on cob, 18 to 24 rows with narrow space between rows. Color medium yellow with red cob. Ear is quite solid and rather smooth. Matures in about 110 days and yields well although not equal in this respect to some other sorts. Grown quite largely by farmers who take pride in the quality of their corn, or desire it for exhibition. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more @ \$1.85; 5 bu. or more @ \$1.75.

REID'S YELLOW DENT.

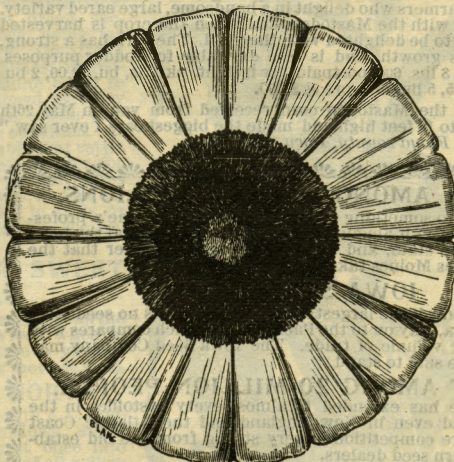
The 70 acres of corn we planted with seed from your firm, is the best field of corn in this county. It runs from two to three ears on each stalk."—*D. M. McKinley, Kane county, Illinois.*

CHAMPION WHITE PEARL.

This was undoubtedly the best variety of white corn before the introduction of the Iowa Silver Mine. It is recognized and catalogued as a leading standard variety of medium sized early white dent corn, suitable for general crop. Matures in 115 days; is prolific; the grain is deep and wide, with small cob. The stalk is short and thick, and roots very deeply, with ear growing very low upon it, thus standing our severe storms and drouth well. Desirable for milling and very largely grown for that purpose throughout the south. If you want some good palatable corn meal, grow a little of the Champion White Pearl and have it ground. Pkt. 5c; lb. 25c; 3 lbs. 60c postpaid. By freight, pk. 60c; bu. \$1.75; 2 bu. or more @ \$1.65; 5 bu. or more @ \$1.60.

Your Profit Corn has made a large yield this year and the Champion White Pearl purchased from you has also done well.—*Ira Foster, Johnson county, Iowa.*

The result at the Iowa Experiment Station in 1900, show that the Champion White Pearl was planted May 12th, matured Sept. 14th, and yielded 91 bushels per acre.



CHAMPION WHITE PEARL.

Don't Say That
It is Impossible

Togrow 200 bushels per acre. Just figure it over. A full stand of corn, three plants to the hill, hills 40 inches apart, each stalk producing one ear weighing one pound, would yield 160 bushels per acre. Most varieties of corn have at least one-third barren stalks, others produce only nubbins.

THE IOWA SILVER MINE has no barren stalks, each one produces one good large ear, many stalks have two ears and some bear three. Many ears weigh from 20 to 24 ounces each.

SEED CORN FOR TRIAL.—Those ordering a sample ear or a small package of seed corn for trial will have much better results if they will plant it in as near a square plat of ground and as far from other varieties of corn as possible. It will fertilize better and be less liable to mix than if otherwise planted.

HICKORY KING.

A white field corn, which has the largest grains, with the smallest cob, of any white corn ever introduced. So large are the grains and so extremely small the cob that on an ear broken in half a single grain will almost cover the cob section completely. Of strong, vigorous growth, and yields splendid crops on light soil, and is a desirable variety where the season is long enough to mature it, but we do not recommend it north of southern Iowa, although it produced a good crop last year 40 miles north of Des Moines. Matures in about 135 days. Pkt. 5c; lb. 25c; 3 lbs. 60c postpaid. By freight, pk. 80c; bu. \$2.65; 2 bu. or more @ \$2.50; 5 bu. or more @ \$2.40.

POP CORN FOR THE MARKET.

The increasing demand for pop corn the past few years has made it a very profitable crop to grow and it will pay one to grow a sufficient quantity to ship by the car load. The fodder is excellent for stock. One can cut it with a binder after it is sufficiently matured, shock it up and when dry have it husked out with a shredder thus also getting a large crop of fodder of best quality in addition to the corn crop. The shredded fodder is often baled up the same as hay and sold on the market. The yield of pop corn is better than field corn and it being so early is seldom injured by frost. It will bear planting much thicker than field corn and will produce from two to six ears to the stalk. The demand for market purposes is principally for the Monarch White Rice variety. It is very early and will parch by December 1st. We grow our own seed and take great care to have it pure, which is very essential as it will mix with field varieties which would decrease its value for market purposes.

MONARCH WHITE RICE.—Best white variety. Per qt. 40c postpaid. By express or freight ½ pk. 70c, pk. \$1.25, bu. \$4.60.

QUEEN'S GOLDEN.—Color rich golden yellow. Per qt. 50c postpaid. By freight, ½ pk. 85c, pk. \$1.50, bu. \$5.60.

SNOWBALL.—See novelties. Per qt. 65c. By freight, ½ pk. \$1.00, pk. \$1.75, bu. \$6.00.



POP CORN IS A VERY PROFITABLE CROP. BETTER PLANT A FEW ACRES THIS YEAR.

MINNESOTA KING.

A very early, large grained variety which is in great favor with our customers in Minnesota, Wisconsin and the Dakotas, and it is considered there the most profitable and best yielding corn no matter whether weather is favorable or not. It is a yellow half dent variety with broad, rich, golden-yellow kernels. Ear of fair size, with small cob and usually only eight rows. One Michigan farmer writes that the Minnesota King corn yielded about **100 bushels per acre**, but this is more than the average yield, as it is not a large variety. On account of its healthy and vigorous growth in its early stage, it can endure more drought, heat and cold weather than most other corns, and being extremely early, it is soon out of danger of frost. The stalks grow to a medium height, are firm and well rooted so they will withstand the strongest winds. In appearance the Minnesota King corn is remarkably distinct. The kernels are very large, broad, and of a rich golden color, the ears of medium size and always well filled to the tip. Per pkt. 5c; lb. 25c; 3 lb. 60c, post paid; by freight, peck 75 c; bu. \$2.25; 2 bu. or more @ \$2.10; 5 bu. or more @ \$2.00.

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. This 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 good 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 in your neighborhood. At our price it will cost you only about **15 cents per acre** to plant your fields with this variety and it will pay you well to order sufficient for your planting. Pk. 50c, bu. \$1.35; 2 bu. or more @ \$1.25; 5 bu. or more @ \$1.15; 25 bu. or more @ \$1.00.

IMPROVED EARLY MASTODON.

For about 15 years past Clark's Early Mastodon corn has been a prominent variety, owing to its productiveness and large sized ear. In the celebrated *American Agriculturist's* corn contest in 1889, Early Mastodon out yielded every other yellow corn in America, Mr. Alfred Rose, of New York state, raising **213 bushels of shelled corn to the acre**. It was, however, rather late, and was frequently caught and greatly injured by early frost. For ten years past, however, one of our most careful, painstaking seed growers in central Iowa has been selecting it to obtain the earliest maturity possible and still retain its large sized ear and great productiveness. His success has been remarkable, and we now have an improved variety with mammoth ear, much smaller cob and deep grain. The butt of the ear is not so disproportionately large. It dries out quickly and ripens easily in 110 days, while it required 130 days for the old variety. Ears are quite even in size and **four of them weighing 6-8 pounds** took first prize at fair. Farmers who delight in a handsome, large eared variety, will be pleased with the Mastodon, and when the crop is harvested no one can fail to be delighted with the yield. The corn has a strong, rapid, vigorous growth, and is also desirable for fodder purposes. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid; by freight, pk. 65c, bu. \$2.00, 2 bu. or more @ \$1.75, 5 bu. or more @ \$1.60.

"I planted the Mastodon corn received from you on May 26th and it grew 10 to 12 feet high and made the biggest ears I ever saw."
—I. C. Tapley, Floyd county, Iowa.

FIRST AMONG TWENTY MILLIONS.

It amounts to something to stand at the head of one's profession in any city; it amounts to vastly more to stand at the head in the entire state, and it is, therefore, no wonder that the people of Des Moines take pride in the

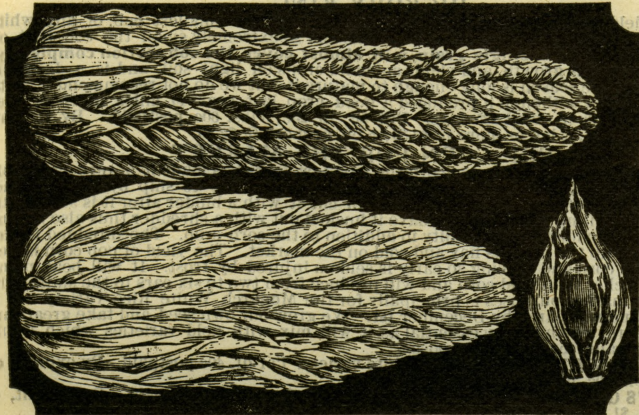
IOWA SEED STORE,

which not only is the largest in Iowa, but there is no seed store west of Iowa, way on to the Pacific Coast which compares with it in size or volume of trade. The Iowa Seed Company may therefore be said to stand

FIRST AMONG 20 MILLION PEOPLE.

Their trade has extended to almost every postoffice in the country, and even in New England and the Atlantic Coast states where competition is very strong from the old established eastern seed dealers.

MINNESOTA KING.



PRIMITIVE OR HUSK CORN.

PRIMITIVE OR HUSK CORN.

It is from this wild variety that all of our cultivated sorts have sprung. The ears are of fair size and each individual kernel or grain is covered with a husk and all enclosed in an outer husk like common corn. In some of the wild and uncultivated parts of Mexico the Primitive or natural corn can still be found growing wild. It is quite curious and valuable for exhibition purposes, and attracts great attention wherever it is seen. Some stalks bear as many as 20 ears. Per pkt. 10c.

IMPROVED EARLY MASTODON.

SOW DWARF ESSEX RAPE AND OBTAIN THE BEST HOG PASTURE YOU EVER HAD.



EVERGREEN FODDER SWEET CORN.

EVERGREEN SWEET FODDER CORN.

We consider this one of the most valuable fodder plants in existence, and stock farmers should all devote some land to it. The stalks are sweet, juicy, rich, tender and very nutritious. The leaves, which are very numerous, are large, broad, succulent, and greatly relished by all kinds of stock, being far superior in every respect to all other kinds of corn. On strong soil it will grow 10 to 12 feet high and produce an almost incredible amount of fodder which, when well cured, is quite equal to hay, besides being wonderfully cheaper. It is claimed by dairy farmers that this fodder will increase the milk and cream production greatly and keep the animals in the best condition. It has the further merit of being so sweet and palatable that cattle eat every part of the stalk and leaves. As a green fodder for cutting in the summer one acre is worth as much as eight acres of ordinary pasture. Of high value also for the hogs, and an excellent plant to plow under for soiling. Sow thickly in drills, or broadcast at the rate of two bushels per acre. Pk. 60c, bu. (measured) \$1.75, 2 bu. or more @ \$1.65.

EARLY FODDER SWEET CORN.

Will make feed much earlier than the above and is very nice to feed when in roasting ear. Not as large a yielder. Pk. 60c, bu. \$1.75, 2 bu. or more @ \$1.65.

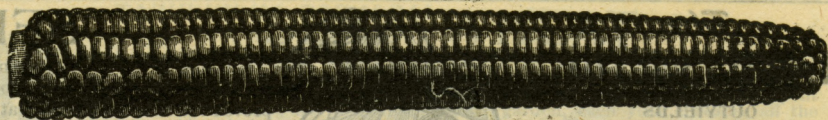
PRIDE OF THE NORTH.

This variety originated with A.L. Goddard, of Kossuth county, Iowa, about 20 years ago, and sprang at once into prominence as the earliest of all yellow dent corns. The ears are 8 to 9 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. Pk. 65c, bu. \$2.00, 2 bu. or more @ \$1.75, 10 bu. or more @ \$1.60.

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

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

PRIDE OF THE NORTH, praise.—L. L. Stewart, Peoria Co., Ill.



IMPROVED YELLOW FLINT.

IMPROVED EARLY YELLOW FLINT.

An eight rowed yellow flint variety with ears from 10 to 15 inches long, $1\frac{1}{2}$ to $2\frac{1}{2}$ inches in diameter, and are well filled out to the extreme end of cob. The cob is small and the kernel large and broad, ripens in 75 to 85 days. This corn is well adapted to the northwest, and is said to produce 200 bushels of ears to the acre in Massachusetts. Has given excellent results in Minnesota and other northern states. Excellent for ensilage and is often used here for replanting. Pkt. 5c, lb. 25c, 3 lbs 60c postpaid. By freight, pk. 65c, bu. \$2.25, 2 bu. or more @ \$2.15, 5 bu. or more @ \$2.00.

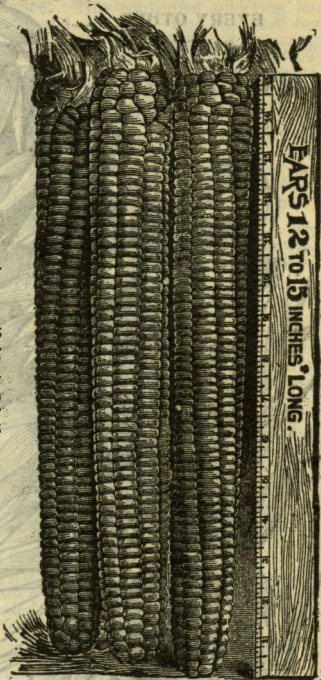
The seeds bought of you last year were first class. The Yellow Flint Corn was the best ever seen here. I had ears measuring 13 inches and from the quart of seed planted I gathered 25 bushel baskets full of ears, and have sold it to my neighbors for seed.—J. Doll, Otter Tail county, Minn.

RURAL THOROUGHbred WHITE FLINT.

This comparatively new variety is by far the best white flint corn on the market. The ears are of unusual length, 12 to 15 inches and of handsome shape, flinty white color. Plant is of spreading habit and suckers out from the root so that it is only necessary to leave one plant growing in each hill. The leaves are very broad and succulent and it is therefore of great value for fodder and ensilage, as well as for a grain crop. The stalks usually bear 2 or 3 long ears. You will be pleased with it if you like flint corn. Pkt. 5c, lb. 25c, 3 lbs. 60c postpaid. By freight, pk. 75c, bu. \$2.50, 2 bu. or more @ \$2.25, 5 bu. or more @ \$2.10.



ST CHARLES WHITE.



RURAL THOROUGHbred.

ST. CHARLES WHITE CORN.

This variety is quite popular with some of our customers in Missouri and makes a good crop in southern Iowa, though we do not recommend it north of Des Moines. It is a handsome, pure white corn, set on a red cob, and the corn appears to be much clearer white than most of the white cob varieties. It is such a transparent enamel white color that it makes a high grade of cornmeal, and it is therefore highly valued by the millers. The ears are usually $8\frac{1}{2}$ to 10 inches in length, 16 rowed, and the kernels are quite deep and broad; the upper corners of the kernel rounding. Stalk grows to medium height but has quite broad, succulent leaves and therefore desirable for fodder purposes. We believe that our customers throughout the south will be well pleased with this corn as a grain crop, and it is of superior value everywhere, even in Manitoba and the far north, for fodder and ensilage. It has made many friends and each year adds to the number. Pkt. 5c, lb. 25c, 3 lbs. 60c postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more @ \$1.85, 5 bu. or more @ \$1.75.

VAST TREASURES

Of Iowa soil, rain and sunshine are being annually wasted by trifling with varieties of corn not capable of utilizing them.

Don't plant the old worn out sorts any longer but begin right this year by buying seed of some new varieties.

The Irish Victor

OUTYIELDS
EVERY OTHER
VARIETY.

TRY IT.



IRISH VICTOR.

from headquarters stock and we think it is unsurpassed. It is bright, nice and tests 98 per ct. Pk. 35c; bu. 90c; 2 bu. or more @ 80c; 10 bus. or more @ 70c.

GREAT NEW ZEALAND.—This grand new variety was first introduced by us in 1895 and has given remarkable satisfaction in one instance yielding 102 bushels per acre, while other varieties in the same vicinity yielded only 40 to 50 bushels. It averages a trifle higher than other sorts, has very stiff, strong straw, never known to lodge. About one week later in maturing than the common round head oats, thus giving time to harvest the hay crop. They stood out remarkably well, and thus require less seed to the acre; are almost entirely free from rust on all kinds of soil. Pk. 40c; bu. \$1.00; 2 bu. or more @ 90c; 10 bus. or more @ 85c.

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

WINTER TURF.—Highly valued in the south for fall sowing. Lb. 25c; 3 lbs. 60c. By freight pk. 60c; bu. \$1.75.

SEED OATS.

A change of Seed Oats is even more important than a change of seed potatoes, and it will pay you to renew your seed oats this year by sowing some of our improved varieties and thus greatly increase your yield. Any variety, except where noted, at 5c per large trial packet, 25c per lb.; 3 lbs. 60c, by mail postpaid.

IRISH VICTOR.—Introduced by the Iowa Seed Co. A grand novelty and the most productive variety ever brought out. It is probably known to but few farmers that almost all the new varieties of oats originated either in Scotland, Northern Ireland, or New Zealand, and it is to these countries that we are obliged to look for improved sorts. The Irish Victor brought over from Ireland six years ago, has proved superior to all other sorts grown in the same section, in vigor of growth, stiffness of straw and productiveness. The straw is very stiff, holding the heavy head up well. It is fully as early as the Lincoln and yields more than that very productive variety. The grains are large, plump and heavy. Plant grows to medium height, of vigorous growth, stools out exceptionally well, is free from rust and yields an immense crop. Better put in a field of them this year and not only secure a larger crop than you have been in the habit of growing, but be prepared to supply your neighbors with seed at a good price. They will all want it. By freight, pk. 45c; bu. \$1.10; 2 bu. or more at \$1.00; 10 bu. or more at 85c.

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

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

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



LINCOLN OATS.—When we introduced these oats to our customers in 1893 they had never been tested in this state, but had done so exceptionally well in Minnesota, that we had much faith in them. Seven prizes, amounting to \$500.00, were offered for the largest crops grown from one bushel of seed sown, and in our 1894 catalogue we published a list of the awards, the first prize going to a man who grew 174 bushels from one bushel of seed sown, and the average of seven successful competitors was 116 bushels each. What we claim for the Lincoln Oats is that it is a very heavy yielder, is comparatively early, has proven itself to be entirely rust proof, and stands up exceptionally well. On account of its soft nib, heavy meat, and thin hull it is unsurpassed for feeding and for making into oatmeal. By freight, pk. 40c; bu. \$1.00; 2 bu. or more @ 90c; 10 bus. or more @ 80c.

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

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

BLACK TARTARIAN.—An extra choice variety from England. See description with novelties. Pk. 75c; bu. \$2.25; 2 bu. or more @ \$2.10; 10 bus. or more @ 2.00.

EARLY CHAMPION.—This grand new variety which was introduced in 1898, has given excellent satisfaction to our customers, and it gave the largest yield per acre of any variety in the test at the Iowa Agricultural College, and is highly recommended by them. Has comparatively short straw, matures a week to ten days earlier than other kinds, thus largely escaping the liability to rust. Its greatest value lies in its special adaptability as a nurse crop to sow with grass seed, as it does not stool as freely as some other sorts. Will not lodge on rich land. Henry Wallace, editor Wallace's Farmer, says: "I would rather risk growing grass seed with them than any other variety I know of." Pk. 35c; bu. 90c; 2 bu. or more @ 80c; 10 bus. or more @ 70c.

SILVER MINE.—A very popular variety in some sections and said to yield immense crops in some places, but the Irish Victor, Lincoln and New Zealand do much better in other localities. The grain is heavy, plump and has a thin hull. It is quite hardy and vigorous and will undoubtedly please you. Our seed is pure, grown and has a thin hull. It is quite hardy and vigorous and will undoubtedly please you. Our seed is pure, grown and has a thin hull. It is quite hardy and vigorous and will undoubtedly please you. Our seed is pure, grown and has a thin hull.

EUROPEAN HULLESS OATS.—This will doubtless be a novelty to many farmers, but hullless oats are not new in this country as they have been cultivated to a limited extent for many years. The berry or grain, which is much larger than that of ordinary varieties, is loose in the hulls and easily threshed out as clean as wheat or rye. It should prove to be a desirable variety to make oat meal from. Better try a little of it. Our stock is small and will doubtless be exhausted before season is over. Pkt. 10c; lb. 35c; 3 lbs. for \$1.00 postpaid.

CHANGE YOUR SEED OATS THIS YEAR.

It will pay you to sell your common oats and sow these improved varieties this year while the seed is so cheap. In our field the New Zealand oats yielded about 102 bushels to the acre, and the Lincoln 90 bushels, while neighboring fields of other varieties under similar conditions yielded only 40 to 60 bushels. The increased yield on a few acres will cover entire cost of seed for your farm.

SOW AT LEAST A SMALL QUANTITY OF THE BLACK TARTARIAN OATS THIS YEAR.

SEED WHEAT.

HAYNES' PEDIGREE WHEAT.—We cannot too highly recommend this grand new variety as being the best kind of spring wheat in existence and are sure it will please every one who tries it. It was originated by Mr. L. H. Haynes, who spent eight years in selecting and improving it in his garden, each year choosing all the largest and best heads and discarding all the balance. This continued selection has had the effect of improving it in vigor, size of head and quality. For the past few years he has been growing it as a farm crop, taking the greatest pains each season to keep it strictly pure and by going through the fields and removing everything that was not of ideal quality, he now has a variety which is sure to please all wheat growers. The heads are very large, well filled out, the kernel is hard, the plant stools greatly, and, under ordinarily favorable conditions will yield 40 to 50 bushels per acre. It is an improvement on Blue Stem wheat, and fully five days earlier in maturing. We most highly recommend this variety to customers everywhere in the wheat growing belt, and are sure it will greatly please them in every respect. Not only in the north-west where wheat is the main crop, but everywhere and under all conditions has this pedigree blue stem wheat proven itself superior to other varieties, outyielding them all. Pkt. 5c; lb. 25c; 3 lbs. 60c, postpaid. By freight, pk. 65c; bu. \$2.00; 2 bu. or more @ \$1.85.

I was much pleased with Haynes' Pedigree Blue Stem Wheat last year. The weather was very unfavorable for small grain, but it yielded nearly double the crop that my other wheat did and of much better quality.—G. Rubes, Dickinson Co., Iowa.

VELVET CHAFF SPRING WHEAT.—This is now the standard variety for growing in Iowa, having displaced all the older sorts. It has proved much superior to the Scotch Fife, Saskatchewan and other sorts, being fully equal in quality, earlier, more sure, and yielding much larger crops. It is a remarkable semi-hard spring wheat, yielding large crops free from rust. It is now the main crop in the north-western states and the great milling kings use it for their highest grade flour, and it has been the most reliable variety year after year, yielding a good crop where other kinds fail. Owing to the crop of spring wheat being so badly damaged last season we are obtaining our stock from the north and it is very nice and we are sure will greatly please every one who tries it. All stock seems to be a trifle mixed and it is impossible to obtain that which is strictly pure, but we think this which we are offering is as pure as can be obtained. Pkt. 5c; lb. 25c; 3 lbs. 60c postpaid. By freight, pk. 50c; bu. \$1.60; 2 bu. or more @ \$1.50.

DEFIANCE WINTER WHEAT.—A Novelty of 1900—Introduced by the Iowa Seed Co.—We claim for this new wheat that it is unequalled in hardness, stooling 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. We know that this is considerable to say, but we feel sure that any farmer who tries this sort will have it proven to his satisfaction. 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. Don't sow the old worn out varieties when you can add 50 to 100 per cent to your crop by sowing the Defiance. Every one is delighted with it. Ask for price in the fall. Price for shipment now by mail, 1 lb. 25c; 3 lbs. 60c. By freight, pk. 50c; bu. \$1.50; 2 bu. or more, @ \$1.40.



TURKISH RED WINTER WHEAT.—The old standard sort of ironclad hardness and very productive. Lb. 20c; 3 lbs. 50c. By freight, pk. 40c; bu. \$1.25; 2 bu. or more @ \$1.10.

CORN WHEAT.—Some years ago a farmer who was out hunting shot a wild goose, and in its craw found several very peculiar looking grains of wheat. He planted them and they produced an exceptionally fine crop, although it differed greatly from any other variety known in America, having a grain which is very hard and nearly double the size of other sorts. It is a vigorous grower and extremely hardy. It has gone under the name of Wild Goose Wheat or Corn Wheat, but has now been identified as the true Macaroni Wheat grown in Europe. We believe that there are thousands of our customers who will want to try this wonderful new grain. Mr. Zavitz, of Ontario, writes us that he has grown it for eight years past and the average yield has been 39 bushels per acre. When you consider that this eight years includes the year of crop failure you will see that this is an exceptionally heavy yielding variety. Pkt. 5c; lb. 30c; 3 lbs. 75c. postpaid. By freight ½ pk. 65c; pk. \$1.00.

MONSTER RYE.

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 begun to make a growth. For this reason it is of great value to dairy farmers. Some farmers claim that it produces a larger grain crop from its having been pastured, if the pasturing is not continued too late in the spring. If sown very early in the spring it makes an early and abundant pasture but will not make a grain crop. Our Monster Rye is of extra quality and we are sure it will please you no matter whether you want it for pasture or a grain crop. Pk. 50c; bu. \$1.35; 2 bu. or more. \$1.20; 5 bu. or more \$1.00.

SPRING RYE.

Distinct from the Winter Rye; grain of finer quality and more productive; and can be successfully grown in any latitude. It is now being largely sown in the north in the place of oats, being a more profitable crop on account of the production of nearly four times the straw. Lb. 25c; 3 lbs. 60c, postpaid. By freight, pk. 60c; bu. \$1.75; 2 bu. or more @ \$1.65; 5 bu. or more @ \$1.60.

VELVET CHAFF.DEFIANCE
WINTER
WHEAT.

SPRING RYE.

BAGS FURNISHED FREE WITH ALL SEEDS EXCEPT CLOVER, TIMOTHY AND MILLET.



IDEAL WHITE HULLESS BARLEY.

And it is an ideal that pleases all who try it. The heads are large and well filled with big plump kernels, which are hullless and of great value for feeding. Those who have grown it say that it produces a very much larger crop than any other. It weighs 60 to 65 lbs. to the measured bushel, while ordinary barley weighs only 48 lbs. The straw is very stiff and strong. It is the handsomest, most productive and the best variety we know of. 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; it makes sweeter meat and nicer lard than corn. It is a vigorous grower and can be sowed after all the other grain is sown, and it will mature before wheat or oats will. It can also be sown for hay, and if sown early enough can be cut twice and it will make two good crops of hay in one year. Pkt. 5c; lb. 25c; 3 lbs. 60c postpaid. By freight, pk. 60c; bu. (48 lbs.) \$2.00; 2 bu. or more @ \$1.85; 5 bu. or more @ \$1.75.

SUCCESS BEARDLESS BARLEY.

Earliest barley known. The straw is about the height of common barley, but better, and will stand up on any land, with good land and season has produced 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow barley on account of the long harsh beards which are so disagreeable in threshing, although it is a profitable crop. This is beardless and as easy to grow and handle as oats. It has hulls like the Manshury or any other old variety, and is a heavy cropper, yielding from 50 to 75 bushels per acre and the quality is excellent both for malting and for feeding hogs and other stock. Seed is scarce this year. Pkt. 5c; lb. 25c; 3 lbs. 60c. By freight, pk. 50c; bu. \$1.50; 2 bu. or more @ \$1.35; 10 bu. or more @ \$1.25.

THE VELVET BEAN.

Nature's Great Soil Restorer.

The velvet bean is a green manuring and forage plant that is creating a great sensation in the south. It makes a strong growth at the north also, and is now widely recognized as a thing of high value. The vines grow to a length of ten to thirty feet, and form a deep mass of nutritious fodder, and it is said to make valuable hay. At the south its use is for hay, for sowing and for improving the character of the land. At the north its place is with the cow pea, as it will grow and flourish on poor land. Plant at the rate of 1½ pecks to the acre, in drills five feet apart. Pkt. 10c; lb. 25c; 3 lbs. 60c, postpaid. By express or freight, pk. \$1.00; bu. \$3.50.

IMPROVED PROLIFIC TREE BEAN.

Are also called California Wonder. Undoubtedly the most prolific bean grown, and it will yield a larger crop under ordinary circumstances than any variety that we have ever seen. On our own farm with conditions not usually considered favorable, it yielded a crop of 41 bushels per acre. The beans are pure white, of small size, greatly resembling the "Navy" and command the highest market price. Plant grows upright about 20 inches high, with stiff stem and branches held well up from the ground on good bean soil, though if the ground is very rich it does not stand up so well. Unusually free from rust and mildew. Will make about as profitable crop as you can put in. Pkt. 5c; ½ pt. 12c; qt. 35c. By freight, per pk. \$1.15; bu. \$4.00.

SPANISH GRASS PEAS.

Through the ravages of the pea bug this variety has come as a great blessing to pea growers in some parts of the north. It is very productive, producing from 40 to 45 bushels to the acre, and 2½ tons of the very finest straw with an average length of 3 feet. The peas are angular in form and very hard, and of the very best feeding quality. The pea being small and the straw of branching habit it does not require more than 5 pecks (1¼ bushels) to sow an acre. Lb. 25c; 3 lbs. 60c postpaid. By freight, pk. 75c; bu. (60 lbs.) \$2.50.

JAPANESE BUCKWHEAT.

About a week earlier than Silver Hull and yields more. The flour made from it is equal in quality to any other buckwheat, while it is much more productive than any other, and succeeds well far north. The straw is heavier and it branches more, it does not need to be sown as thickly as other kinds. Lb. 25c; 3 lbs. 60c. By freight pk. 50c; bu. (52 lbs.) \$1.50; 2 bu. or more @ \$1.35.

SILVER-HULL BUCKWHEAT.

Very good, popular variety. Grain is of light gray color, rounder than the common variety, has thinner husk, earlier and yields more. Lb. 25c; 3 lbs. 60c. By freight pk. 50c; bu. \$1.50; 2 bu. or more @ \$1.35.

RYE BUCKWHEAT.

A wonderful novelty growing exactly like buckwheat but the grain has no hull on, and looks exactly like the grains of rye. Pkt. 10c; lb. 50c; 3 lbs. \$1.25 postpaid.

GIANT SPURRY.

An excellent plant for pasture and it grows so well on poor, dry, sandy soil, that it has been called "the clover of sandy land." Grows very rapidly. Pkt. 5c; lb. 30c; 3 lbs. 75c postpaid. By freight, 10 lbs. (will sow an acre) \$1.25; bu. (50 lbs.) \$5.00.



IDEAL BARLEY.



GRAINS OF SPELTZ.

SPELTZ.

A Valuable New Grain from Russia.

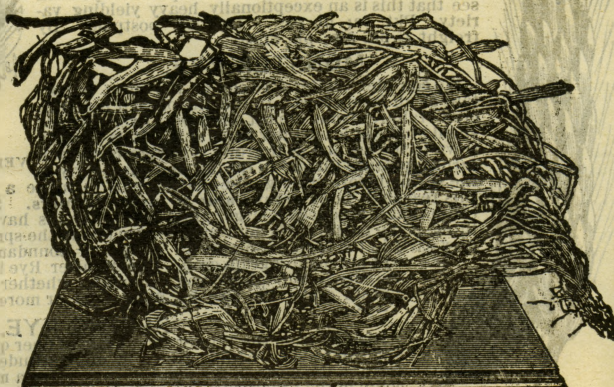
This most wonderful new grain was first introduced in this country by the Iowa Seed Co., and has proven of great value and it is now listed by almost all of the leading seedsmen. It is botanically known as *Triticum Spelta* or *Emmer*, and is supposed to be the grain grown in Egypt in the time of Moses. 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. Nine years ago an emigrant from there brought some to this country, and it yielded more than wheat, rye, barley or oats. It is of high value for feeding and will make a fair grade of flour somewhat similar to rye. Will grow well and produce immense crops on poor soil, and dry weather appears to have no effect on it. It will make a good crop with almost any condition of soil or climate. It makes excellent pasture and good hay if cut at proper season. Yields 70 to 100 bushels of grain to the acre besides several tons of the straw which is good for feeding. The grain is claimed to be much richer than corn for feeding and of superior quality for fattening hogs, cattle, sheep, poultry, etc. It may be sown in the fall but is usually sown in the spring 50 to 75 lbs. per acre. It stools out wonderfully. Pkt. 5c; lb. 25c; 3 lbs. 60c, postpaid. By freight, pk. 60c; bushel (40 lbs.) \$1.20; 2 bu. or more, @ \$1.00; 5 bu. or more @ 90c.

WHIP-POOR-WILL COW PEAS.

The most highly valued plant in the south for fodder and for reclaiming old or worn out land as it is a luguminous plant of special merit as a fertilizer. The vines when fed green makes the best fodder and are very nourishing. The Whip-poor-will is the most popular sort and yields a good crop both of fodder and peas. When ripened the ground peas make the best cattle fattener. Pkt. 5c; lb. 25c; 3 lbs. 60c. By freight, pk. \$1.00; bu. \$3.50.

EGYPTIAN, OR CHICK PEAS.

A great yielding pea; plant upright, branching and covered with balloon-like pods; each pod contains at least one pea of large size, very productive and weighs 6½ lbs. to measured bushel. Will produce a grand crop of the best quality peas for feed. Lb. 30c; 3 lbs. \$1.00 postpaid. By freight, pk. \$1.25; bu. \$4.00.



PLANT OF IMPROVED PROLIFIC TREE BEAN.

OUR PRICES ON NURSERY STOCK ARE LESS THAN HALF THOSE USUALLY ASKED BY TREE PEDDLERS.

KAFFIR CORN.

This is 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, not hardening like other varieties of sorghum, making excellent fodder, either green or dried, which is highly relished by cattle, horses and mules. The seed crop is also heavy, sometimes yielding sixty bushels to the acre. Both grain and fodder are excellent. The stalk remains tender to the full maturity of the seed. There is no failure about it, as it possesses the quality that all the tribe possess, of waiting for rain without any loss of capacity to yield. The grain is extremely valuable for feeding to poultry and will make a flour that is like wheat. Cultivated the same as our common Indian 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, 3 lbs. 50c. By freight, peck 50c, bushel (50 lbs.) \$1.50, 2 bushels or more @ \$1.25, 5 bushels or more @ \$1.10.

JERUSALEM CORN.

Claimed by many practical growers to be an improvement on Kaffir corn as it is a surer crop in unfavorable seasons. Produces a large crop of fodder which is of very good quality. Seed white and nearly flat. Yields a good grain crop also. Three to four pounds will plant an acre in drills, 40 to 50 lbs. broadcast. Pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, peck 75c, bushel (50 lbs.) \$2.50, 2 bushels or more @ \$2.25.

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 live stock, it is only quite recently that the real value of sorghum (or sugar cane) has attracted general attention. Its great merit is now beginning to be appreciated and the demand is increasing about



KAFFIR CORN.

ten fold every year. It is profitably grown anywhere from Manitoba to Mexico, on any good corn ground, and is but little affected by drouth. It is of the very best quality, being sweet, tender, nutritious and greedily eaten by cattle, horses and hogs. Dairy men find that the cows will give more and richer milk from its use, and it is claimed that as high as 10 tons of green fodder have been grown per acre. It can be cut several times during the season if not allowed to get too high, and makes good sweet hay. Sow 100 lbs. per acre for best results. Is a profitable crop also to grow for the seed which is excellent for feeding poultry, and is very frequently ground and substituted for buckwheat flour. Price subject to market change. Per lb. 20c, 3 lbs. 50c. By freight 10 lbs. 50c, 25 lbs. 85c, 100 lbs. \$2.50, 500 lbs. or more @ \$2.25.

SOUTHERN STOCK MELON.

This is a variety of citron melon grown extensively in Kansas, Oklahoma and other parts of the south for feeding stock. It is immensely productive, and grows to a large size, some of them weighing as high as 60 or 70 pounds. The flesh is firm and solid, with but few seeds. The melons keep all winter. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c.

TEOSINTE.

A fodder plant grown largely in some parts

of the country.

Somewhat resembling 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, yielding such an abundance of foliage that one plant is considered sufficient to feed a pair of cattle for twenty-four hours. Eighty-five stalks have been grown from one seed, attaining a height of eleven feet. Horses and cattle eat it as freely as young sugar corn. Plant as soon as ground becomes warm, at usual corn planting time, in hills three to four feet apart each way, two seeds to the hill. We advise all those interested to give it at least a trial, so as to be ready to plant larger quantities hereafter. Large pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 8 lbs. (sufficient for 1 acre), \$2.65, by mail prepaid.

EARLY SOJA BEANS.

Coffee Berry—Also Called Soy Beans.

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, 3 lbs. 75c, postpaid. By freight pk. \$1.00, bushel (50 lbs.) \$3.50.



JERUSALEM CORN.

CANE FOR FODDER.

If Iowa farmers knew how to handle the cane crop and the immense profit there was in growing it, it would be impossible for us to furnish sufficient seed to supply the demand. At the Iowa Agricultural Experiment Station it produced twenty-nine tons per acre, their crop being seeded May 21st and harvested August 27th. The best results can be obtained by sowing about 10 pounds per acre. Prepare the ground the same as for corn, care being used to have it well pulverized and smooth surface, which will enable you to get the seed covered evenly and at a depth of about an inch. Sow the seed broadcast at any time from May 15th to July 15th. The crop should be cut when the stalk is well filled with sweet sap, the best time usually being when the hull on the seed has begun to turn black. If allowed to stand in the field until the stalks become dry the sweetness returns to the root so that much of the nutriment is lost. Cut with a binder and put up in shocks for drying, or it can be cut with a mower and raked into windrows and put in large shocks of 500 to 700 pounds. It will cure in this way very nicely and can then be stacked for feeding through the winter.

WILD RICE.

The only one of our native plants furnishing food for wild fowl, ducks, geese, etc., which is an article of commerce. Pkt. 5c, lb. 40c, 3

lbs. \$1. By freight, 10 lbs. or more @ 20c.

EARLY AMBER CANE.

TEOSINTE.



SOJA BEANS OR COFFEE BERRY.

DON'T FAIL TO READ PAGE 51—REGARDING GRASS MIXTURES FOR PASTURES AND MEADOWS.

DWARF ESSEX RAPE.

The Most Popular and Profitable Forage Plant in Existence.

THE DEMAND for Dwarf Essex Rape is increasing four-fold every year, and everywhere it gives the greatest satisfaction. It is easily grown everywhere and is 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 until late in the fall or early winter. Can be sown early in the season to provide early pasture for sheep and swine; or sow in small grain a week or so before cutting to provide pasture after harvest; or sow 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 or 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, having yielded twenty tons of fodder per acre. In the east it is usually sown in drills, two to three pounds per acre, and cultivated, but in western states it is almost invariably sown broadcast, four to five pounds per acre, and it grows so rapidly that all weeds are quickly smothered. When it is sown as a secondary or catch crop after small grain has been harvested, it is well to disk the ground thoroughly immediately before sowing. The United States Department of Agriculture claims that it adds greatly to the fertility of the soil for the following grain crop. One Nebraska farmer says that he sowed only three pounds per acre on a four and one-half acre field, and 5 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 stock is the True Dwarf Essex imported by us in carload lots direct from the best grower in England. Beware of low prices on rape seed this year, as some unscrupulous dealers last year substituted German rape which can be sold at less than half price, but it goes quickly to seed and is worthless for forage purposes. Every one of our customers was pleased last year. Per pkt. 5c, lb. 30c, 3 lbs. 75c, postpaid; by freight, 5 lbs. 50c, 10 lbs. 85c, 25 lbs. \$1.75, 100 lbs. \$6.00. Ask for circular on growing rape.

Alex Scott, Paullina, Iowa, says: "I was much pleased with all the seeds purchased from you last year and especially the Dwarf Essex Rape. I seeded it in two different ways; both did well and my sheep and hogs like it and thrive on it."

BROOMCORN.

We make quite a specialty of this, supplying thousands of broomcorn growers in all parts of the United States.

DWARF EMERALD.—This splendid new variety which we introduced, is the result of a cross between Dwarf Evergreen and California Golden. Stalk is short and its one object seems to be to produce long perfect shaped brush in the shortest possible time. The brush is long, straight and of a handsome green color, almost all of it being suitable for hurl. Very productive. Lb. 30c, 3 lbs. 75c; by freight, 10 lbs. \$1.60, 25 lbs. \$3.00, 100 lbs. \$9.00.

CALIFORNIA GOLDEN.—Has been carefully selected and improved so that the brush is straight and long, a very large proportion of it being suitable for hurl. It is of fine quality, of light green color, turning to light yellow when allowed to become too ripe. Per lb. 25c, 3 lbs. 65c; by freight, 10 lbs. 60c, 25 lbs. \$1.25, 100 lbs. \$4.00.

AUSTRALIAN.—Makes the most even and perfect shaped and colored hurl brush of any variety that we have ever seen, almost every pound of it being straight, of light green color and suitable for the best parlor brooms. It is much more productive than most other kinds, the brush is much longer and is sure to bring a higher price. Lb. 30c, 3 lb. 75c; by freight, 10 lbs. \$1.20, 25 lbs. \$2.00, 100 lbs. \$6.00.

TENNESSEE EVERGREEN.—More largely grown in western states than any other. Brush is noted for its fine quality, good length and handsome appearance. Lb. 25c, 3 lbs. 65c; by freight, 10 lbs. 65c, 25 lbs. \$1.40, 100 lbs. \$4.50.

DWARF.—Popular in some sections. Matures late. Lb. 25c, 3 lbs. 65c; by freight, 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$5.00.

MISSOURI EVERGREEN.—Has coarser brush than the Tennessee and is therefore desirable for making heavy brooms. Lb. 25c, 3 lbs. 65c; by freight, 10 lbs. 60c, 25 lbs. \$1.25, 100 lbs. \$3.50.

MAMMOTH RUSSIAN SUNFLOWER.

Largest sunflower. This is without doubt one of the best paying crops that can be raised. Seeds are the best of food for poultry and is much cheaper to raise than corn. Stalks, which grow very large, make excellent fire-wood. It is also said to afford protection against malaria. Large packet 5c, lb. 20c, 3 lbs. 55c; by freight, 10 lbs. 70c, bushel of 25 lbs. \$1.50.



SUNFLOWER



DWARF ESSEX RAPE

FIELD PEAS.

For the northern states there is no crop of greater value than Field Peas, and none is more neglected, which can only be attributed to a lack of knowledge as to its merits. They are a profitable crop to grow, in that the peas when threshed are always marketable, and they stand in the front rank as a fodder plant, being very rich in the elements that improve the muscle, bone and nervous system. Like all leguminous crops, peas have the power of extracting nitrogen from the air, and the soil is richer in nitrogen than before the peas were sown upon it. They make a fodder and hay which in every case doubles the production of milk. They should be sown in March or early April, two bushels of peas and two bushels of oats to the acre. The peas should be sown first and plowed under about four inches deep; the oats then sowed and harrowed in. They will be ready for cutting about the latter end of June, when the oats are in milk and the pods formed on the peas. Farmers who have never sown this crop will be surprised at its large yield. It is a nutritious food and relished by all kinds of farm animals. This crop also makes an excellent soil improver when turned under like cow peas.

SCOTCH BEAUTY.—Best blue field peas. Will yield an immense crop. Superior quality. Pk. 60c, bu. \$2.25, 2 bu. or more @ \$2.00.

WHITE CANADA.—More used than any other, Per pk. 60c, bu. \$2.00, 2 bu. or more @ \$1.75.

Ask for special prices on Field Peas in large lots.

AUSTRALIAN SALT BUSH.

A most valuable plant for soils containing alkali and for all regions subjected to prolonged drought. It is highly desirable to furnish forage during the hot, dry summer months in our western and southern states. Not hardy in the north. The past few seasons in California have been so dry that the special value of this plant has been most strongly demonstrated. The plant needs some little moisture to start it into growth, but when once started will make a strong growth during the hottest and driest weather. Seed should be sown early in the spring, so that the plants may become established before the hot, dry weather sets in. The plant is of spreading habit, branching freely and making a thick mat of stems and foliage 12 to 18 inches in depth over the entire surface of the soil. There is no danger of its becoming a troublesome weed, as it is easily eradicated when cut off below the soil or turned under with a plow. So strong and free branching is the growth, that plants set eight or nine feet apart each way will entirely cover the surface of the soil in a short time. The plants may be cured for forage in the same manner as you would clover, that is the hay should be dried slowly in cocks to prevent the leaves from falling off. Pkt. 6c, oz. 15c, ¼ lb. 35c, lb. \$1.25, postpaid.



SCOTCH BEAUTY FIELD PEAS.

OUR NORTHERN GROWN SEED POTATOES WILL PLEASE YOU.

Immensely Productive

JUST THINK OF IT!

95 TONS PER ACRE
OF GREEN FODDER.

16 tons
of
good
hay

DESCRIPTION.

The seed is very small, about the size of a pin head, and it is really wonderful that it should produce such an immense growth of foliage. 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 broader, more succulent leaves than either corn, cane, Kafir corn, pearl millet, Jerusalem corn, or any other plants of that character. It most nearly resembles the old pearl or cattail millet grown in the south as it belongs to the same class of plants, but it is of more sturdy, robust growth, has wider leaves and is more productive, and our customers in Texas claim that it produces an excellent crop in the same locality where ordinary pearl millet is a failure. The stalks grow to a height of 12 to 14 feet and are covered with juicy leaves which are quite similar to Indian corn in appearance, but instead of producing ears like corn or large heads like Kafir corn it produces long cylindrical heads 10 to 16 inches in length and only about one inch in diameter closely set with thousands of tiny seeds which are greatly relished by poultry. At a distance a field of Pencilaria, when nearing maturity, looks like a field of giant timothy 12 to 15 feet high. One agricultural editor showed his ignorance by advising his readers not to plant it for fear that it would prove to be a noxious weed which would live in the ground over winter, but the fact is that Pencilaria is an annual and the plant dies in the fall never to grow again. The seeds are quite tender and those which fall to the ground do not sprout the next spring. Do not sow the seed until warm weather.

Every one is greatly astonished with the stooiling nature of Pencilaria. While it begins to stool out at once from the root, still it is after being once cut off that this is specially prominent. In introducing it two years ago we stated that 48 large leafy stalks, larger than the tallest corn stalks had been grown from one tiny seed. Many persons were incredulous, and the editor of one agriculture paper stated that this was clearly a misstatement as such a thing was impossible, but Pencilaria has far surpassed our claim, many farmers reporting fifty, fifty-four, sixty, sixty-five, sixty-seven and even as high as seventy-six stalks grown from one seed, each one of these stalks growing seven to fourteen feet in height and covered with long, broad, juicy leaves.

One of the most noted farmers in the United States 95 TONS PER ACRE. who also stands high as a writer for the agricultural press, states that he made a careful test, sowing the seed on the 15th of May in drills 18 inches apart. It looked like grass at first, but he cultivated it at the end of 12 days and it then grew very rapidly. He cut the first crop on July 1st, 45 days after sowing the field. It was then 7 feet high and it weighed, green, thirty tons per acre, and when dry gave six and one-half tons of hay per acre. The second growth was cut on August 14th when the plants were 9 feet high and the crop weighed 55 tons per acre green and 8 tons per acre dry. The third cutting was made October 1st. It weighed 10 tons green and one and one-half tons dry, thus making a total crop of 95 tons per acre of green fodder, and when dry made 16 tons of hay, all from one sowing of seed. If there is any other plant in existence which will afford such a yield we do not know what it is.

Pencilaria.

TWO years ago when we first introduced Pencilaria to the farmers of this country there were many who looked incredulous at our statements of its wonderful productiveness, but still it created a great deal of interest and fully 75,000 farmers in all parts of the United States gave it a trial. In spite of the most unfavorable season that has ever been known in America for such plants, it proved wonderfully satisfactory everywhere and they evidently told their neighbors of it. We estimate that last season more than 225,000 farmers experimented with it. This year we want to increase the number to a million, as we know that there is no plant in existence which is equal to it for quick growth, immense size and superior quality. The same report comes from all parts of the country. From New England states to Florida in the east, from Manitoba to Texas and from Washington to southern California. Everywhere it is without parallel in productiveness. It grows on all kinds of soil, in all kinds of climate and everywhere pleases and astonishes those who have previously had no experience with it.

This plant, more properly known as *Pencilaria*, is a native of Africa that has been grown in the south for some time, but we now have it improved and acclimated here.

How is this?

75
Stalks

9 TO 14 FEET HIGH

Grown from one tiny seed no larger than a pin head.

We claim that Pencilaria is much superior in quality to corn fodder, Kafir corn or any similar plant. This is shown by the cattle leaving corn to go to the Pencilaria. It is perhaps not as rich and sweet as sorghum cane, but it is fully equal or superior to the non-saccharine sorghum besides being easier to handle and very much more productive. Cattle, horses and hogs are all very fond of the fodder and we feed it on our place constantly through the summer and fall and also the dry Pencilaria hay for use throughout the winter months.

The seed is usually sown in drills 24 to 36 inches apart, dropping three or four seeds to each foot of row.

In this way one pound will sow an acre of land. Some of our customers are still more saving of seed than this and put it in hills, like corn three or four seeds to the hill, but a large and better crop can be produced by sowing in continuous drills. It should be cultivated as soon as well up and it is seldom necessary to cultivate the second time as the plant grows so rapidly that it soon takes care of itself and quickly smothers out all weeds. It always pays to cut the first crop when the plants are two to three feet high, and the later cuttings when three to six feet high. In this way it will make four to seven crops per acre. If you allow it to grow on without cutting so as to obtain the seed crop, the quality is not so good. Do not sow the seed until the ground is quite warm, say about the usual corn planting time. While we always recommend that the seed be sown in drills, still some of our customers do not want to go to that trouble and they prepare the ground thoroughly and sow the seed broadcast, lightly brushing it in. It is well to remember that the seed is so small that it will not do to plant it deep. If it is covered with a quarter to a half-inch of soil it is sufficient. If seed is planted more than half an inch deep it will be very apt to fail to grow.

WHO NEEDS PENCILARIA?

This season stockmen will especially need a quick growing forage plant, and they should try Pencilaria. We have turned cattle loose in a field of it and they seem to relish the food greatly, although we consider it more satisfactory to cut the fodder and throw it over into the feed lot. A farmer who wants an immense crop of hay this year should try Pencilaria as from it he will obtain not only an immense quantity but of superb quality. The dairyman who has hundreds of cows and the person who keeps only one should both grow Pencilaria, as it is claimed that one-fourth acre will supply sufficient fodder to keep a cow in good condition throughout the summer and fall, and sufficient hay can be made from one-fourth acre to supply a cow throughout the winter.

Two years ago we sold the seed at \$1.50 per pound when other seedsmen were asking \$2.50 per pound for it. Last season we reduced the price to \$1.00 per pound, and this year we have decided to still further reduce it and we now offer it at 10 cents for a large package; 25 cents for one-fourth pound; 40 cents per half-pound; 75 cents per pound by mail postpaid, or in lots of five pounds or more by express or freight, not prepaid, at 50 cents per pound.

The Pencilaria purchased from you is fine. You did not overstate matters in saying that forty-three stalks could be grown from one seed, as I counted one plant which had sixty-seven stalks. I have cut it five times during the season and it makes a fine feed for horses, cattle or any kind of stock.—G. M. Bailey, Warren county, Iowa.

DON'T FAIL TO TRY OUR NEW GOLDEN WEST CORN.

CLOVER SEED.



For many years we have made this a specialty, and we now have our electrical machinery for cleaning so perfected that we claim that our grades average better than those of most other markets, and believe that they cannot fail to please the most particular. Other seed dealers who have happened to be in our warehouse when we were cleaning clover, have often remarked that the seed looked so extra nice they should not 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 10 cents to \$1.00 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.

PRICES—On clover and grass seeds are changing almost daily, so that we are unable to quote prices which will be invariable. *Don't fail to write for prices before buying.* We issue a price list each week from January to June. Crop is short this year. If you are in a hurry for the seed you can order it and we will send seed to full value of money sent on day order is received. The following are the prices we are selling at on the date this catalogue goes to press (Dec. 10, 1902.) 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. Grain bags 15 cents each extra.

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 annually from the most distant parts of the U. S. and also from foreign countries. It has been tested by the Agricultural Experiment Stations in various parts of the country and ranks among the highest everywhere. We claim that it will produce as much if not more hay per acre and that of better quality than seed from any other section and well posted farmers are beginning to appreciate the difference between it and ordinary stock. We have many customers in Pennsylvania, New York and other parts of the east who purchase from us annually, although our seed costs them more, freight considered, than eastern grown, and our trade in this variety during the spring season runs from 1,000 to 2,000 bushels per week. Perhaps you can buy seed a trifle cheaper per bushel from some other dealer, but if you really desire to save money you will find that it does not pay to buy the inferior seed containing a mixture of weed seeds, dirt, sand, shrunken clover, etc. It pays to have the best. Sow 15 lbs. per acre. Per lb. 30c, 3 lbs. 80c postpaid. Per peck \$1.90, bushel (60 lbs.) \$7.20. Bags extra, 15c each.

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. The stems are so large and coarse that it is not valued for hay; but nothing equals it for hog pasture, as it will produce an enormous yield and is of the highest feeding quality. It gives quick results, making an unequalled crop and is usually considered a permanent pasture grass. If your soil is poor and needs enriching there is no fertilizer as cheap and good as sowing Mammoth Clover and plowing the crop under. It is the clover for poor soils. Sow 15 lbs. per acre. Per lb. 30c, 3 lbs. 80c, postpaid. Per pk. \$2.00, bu. (60 lbs.) \$7.35.

ALSIKE CLOVER.—Unexcelled for hay and we cannot too strongly recommend it to our customers. It is a true perennial, producing a good crop the first year and every year thereafter, and the field really keeps improving each season. Highly valued also as a permanent pasture. It is hardy, even in northern Minnesota and is the only variety which will produce a good crop and not kill out in low wet land. It also adapts itself to high, upland soils and withstands the drouth well. The hay is finer and better than any other, and Alsike is, therefore of special value for sowing with timothy. Height 18 to 24 inches, and has round pink or flesh colored heads. Seed is small and it therefore requires only 8 lbs. per acre or half that quantity if sown with timothy. Per lb. 35c, 3 lbs. 90c. Per pk. \$2.75, bu. \$10.00.

SANFOIN CLOVER.—Also called *Esparrlette Clover*.—An excellent but comparatively little known variety of special value for growing on light, dry, sandy or limestone soils. It is very deep rooted and therefore withstands drouths. It is a good fodder plant and when made into hay is claimed to be of special value for milch cows. Seed is very large. Usually sown with oats or barley, using 30 or 40 lbs. of seed per acre. Per lb. 35c, 3 lbs. 90c; peck \$2.00, bu. (45 lbs.) \$7.50.

CRIMSON CLOVER.—Also called *Giant Incarnate*.—This is an annual variety in common use in the east and south for feeding green. The yield in fodder is immense, and after cutting, it at once commences to grow again, and continues until severe cold, freezing weather. It grows about one foot high, roots nearly black, leaves long, blossoms long, pointed and of a very deep red or carmine color. Makes good hay. Sow in April or May twenty pounds of seed per acre, or it may be sown in the corn at the time of last cultivation in July and will produce an excellent pasture for fall or it can be plowed under and will add greatly to the fertility of the soil. The only objection to it is that it winter-kills in this latitude. Per lb. 25c, 3 lbs. 65c. Per peck \$1.40, bushel \$5.00.

The grass and clover seed purchased of you last spring have given excellent satisfaction. The seeds were very clean and free from all foul seeds, and I secured a fine stand.—*Sam. Schoenherr, Illinois.*

The clover and grass seeds bought of you this spring gave the best satisfaction. I secured a splendid stand of grass.—*Altois Nolte, Kans.*

MEDIUM RED CLOVER; Second Grade.—Useful for thickening pastures, etc. We list this for our customers who want a cheaper grade, and while we do not claim that it is equal to our best, it is as good as much of the seed furnished by other dealers. Country merchants frequently buy this grade because they can make a larger profit on it. Per bushel \$6.50.

SWEET CLOVER.—(*Mellilotis Alba* or *Bokhara*).—A tall shrubby plant, bearing innumerable small white flowers and very valuable for bees. Both leaves and flowers have a delightful fragrance. Sow 10 lbs. per acre. Per lb. 40c, 3 lbs. \$1.10; by freight, 5 lbs. or more @ 25c.

WHITE DUTCH CLOVER.—Desirable in pasture mixtures. Also used largely for lawns. It is the most hardy of any variety of clover and as it is of a creeping habit it is desirable for sowing on terraces or sloping grounds. Seed is very small and it requires only 7 lbs. to sow an acre. Price for our choicest quality per lb. 45c, 3 lbs. \$1.25, postpaid; by freight, per peck \$4.00, bu. (60 lbs.) \$15.00.

JAPAN CLOVER.—Grows freely on poor soil. Not a true clover. Per lb. 60c, 3 lbs. \$1.50, 5 lbs. or more, by freight @ 40c.

YELLOW TREFOIL.—Allied to the Common Red Clover, but of comparatively little value, except on very dry or poor soil. Grows rapidly and is valued for sheep pasture. Lb. 35c, 3 lbs. \$1.00; peck \$2.50, bu. \$9.00.

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 greatest drouth. Sow broadcast about 25 lbs. to the acre. Comes up very spindling and slowly and it is necessary to mow the weeds to give it light, but when once established the weeds will be smothered. Per lb. 30c, 3 lbs. 80c, postpaid. By freight, per peck, \$2.00, bushel (60 lbs.) \$7.50.

TURKESTAN ALFALFA.—This most valuable new variety was sent out by the Department of Agriculture four years ago in a small way, and it has given such excellent satisfaction that we have now decided to list it. It is more hardy than the ordinary variety having stood a temperature of 40 degrees below zero when the ground was bare. It will also stand extreme drouth as it comes from a locality where the summers are very dry and hot, and the winters extremely cold. It is considered of the highest value throughout Central Asia, and is practically the only hay fed to the cattle there. We believe that the farmers of this country will find it of special value as it is far superior to the common variety, growing more vigorously and making not only a larger top growth but much better root growth. The seed we offer was imported from its native country. As the stock is not in at time this catalogue goes to press we are unable to quote price except in small quantities, as the cost of transportation from Asiatic countries varies greatly from year to year.

Price per pkt. 10c, lb. postpaid 60c, 3 lbs. \$1.50. Ask for price in quantity.



SANFOIN OR ESPARCETTE.



ALSIKE CLOVER.



ALFALFA CLOVER.

GRASS SEEDS.

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

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

BROMUS INERMIS.—The most valuable new grass which has been introduced into this country during the past 25 years, and it has everywhere, from Canada to Texas, given the best of satisfaction. It has been very highly recommended by the U. S. Agricultural Department and by grass specialists in all parts of the country. It will produce a wonderful crop of hay on land which is too poor for clover or timothy, and it resists intense cold, and also the most hot, dry weather. Forms a quick and dense sod either on sandy or stiff clay soils, and is a permanent grass which does not kill out with any kind of weather. Grows 18 to 36 inches in height and can be cut two or three times per year and is equally desirable as a pasture grass. Should be sown early in the spring using 20 to 25 lbs. per acre if sown alone, or if with alfalfa use 12 lbs. with 8 lbs. alfalfa.

The South Dakota Experiment Station says: "This is the best grass that has yet been tried at this station. When properly sown it catches well, giving a good sod the first year; in favorable seasons a fair yield of hay may also be obtained."

The U. S. Experiment Station at Garden City, Kan. says: "We have grown Bromus Inermis successfully, and we think it is the coming grass for the arid regions of the west. It is green from the middle of March to about November."

Professor Shaw, of Minnesota, pertinently says: "This grass cannot be obtained too soon by the farmers of the northwest." Price for best grade seed, per lb. 30c, 3 lbs. 75c, postpaid. By freight, per bu. (14 lbs.) \$2.10, 50 lbs. \$7.00, 100 lbs. \$13.50.

ORCHARD GRASS.—A most 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. When grown for hay, more than one crop can be obtained in one season, and where but one crop is taken the aftergrowth is very heavy, and gives splendid and rich pasture till late in the fall. It will stand drought, and being very hardy, is of especial value for our northern states, where it does not winter-kill.

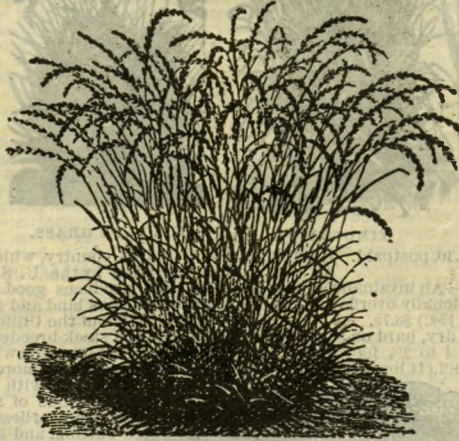


ORCHARD GRASS.



PERENNIAL RYE GRASS.—(Or English Rye Grass.)—A nutritious permanent grass for meadows and pasture, or for mixing with other grasses for lawns. Does well on sloping banks, as its roots are fibrous and mat-like. Is especially adapted for pastures, as it will endure close cropping and is of strong, quick and successive after growth. It produces an abundance of foliage, which remains bright and green throughout the season, and for this reason is also much used for lawn grass mixtures. It is also well adapted for permanent meadows, and yields large quantities of very nutritious hay, which is well liked by all kinds of stock. Does well on almost any land but prefers rich or moist soil, such as will produce a good corn crop. Sow 20 pounds per acre. Per lb. 25c, 3 lbs. 60c, postpaid. By freight per bu. (14 lbs.) \$1.20.

MEADOW FESCUE OR ENGLISH BLUE GRASS.—Succeeds well in almost all soils, from high dry land to moist, standing the dry summer heat excellently. It is valuable as a pasturage grass, being one of the earliest in the spring and latest in the fall. It is very nutritious and greedily eaten by all kinds of stock, and very fattening. Is hardy, never grows in tufts, and being tender and succulent, makes excellent hay. It is a perennial, two to three feet high, flowering in June and July. Lb. 30c, 3 lbs. 75c postpd. By freight bu. (14 lbs.) \$1.60.

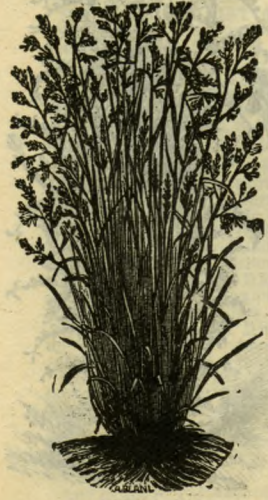


PERENNIAL OR ENGLISH RYE GRASS.

CRESTED DOGSTAIL.—For permanent pastures, especially on high land and hard, dry soils and hills, this grass is invaluable. It produces an abundance of foliage, is very hardy, and but little affected by extreme drought or cold weather. It is tender and nutritious and relished by all kinds of stock. Evergreen and valuable for lawns. Per lb. 50c, 3 lbs. \$1.35 postpaid. By freight per bu. (14 lbs.) \$5.25.

WOOD MEADOW GRASS.

—This grass is invaluable for wood pasture or shaded ground, and should be included in all mixtures for permanent pastures, especially in shady places. It is relished by all kinds of stock, showing a succulent and very nutritive herbage. For lawns overshadowed by trees it is particularly valuable, and it produces a very thick growth and nice even sod. Seed scarce this year. Sow 20 lbs. per acre. Per lb. 50c, 3 lbs. \$1.25, postpaid. By freight per bu. (14 lbs.) \$5.75.



MEADOW FESCUE.

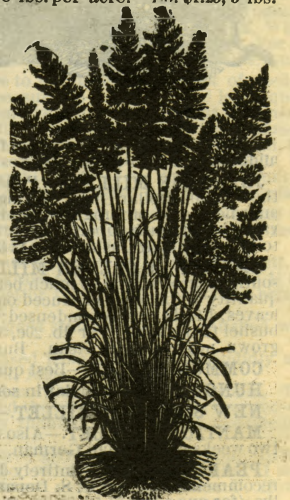


CRESTED DOGSTAIL. (14 lbs.) \$2.00.

able for hay and pasture and unsurpassed for lawns in the south as it runs \$3.00 prepd., 5 lbs. not prepd. @ 85c per lb.

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 and cold, and also long periods of drought. For permanent pastures on poor lands it is especially valuable. Per lb. 35c, 3 lbs. \$1.00, postpaid. By freight, per bushel (14 lbs.) \$2.50.

SHEEP'S FESCUE.—This variety prefers to grow on light, sandy soil, and dry uplands or hillsides. It is deep rooted, and not affected by extreme drought. Sheep are especially fond of it. Should be included in mixtures for permanent pastures on dry uplands, particularly if used for sheep grazing, as it is one of the sweetest grasses and very nutritious. On account of its fine foliage and compact growth it is very desirable for lawn purposes. It is a hardy perennial. Sow 14 lbs. per acre. Per lb. 35c, 3 lbs. \$1.00, postpaid. By freight per bu. (14 lbs.) \$2.00.



SHEEP'S FESCUE.

USE THE INDIANA BROADCAST SEED SOWER (PRICE \$1.50) FOR SOWING SEED.

GRASS SEEDS.—Continued.



TALL MEADOW-OAT.

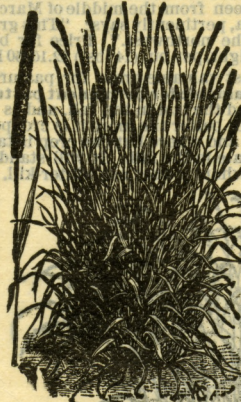
PRIME RED TOP.—Or chaff seed. Per bu. 75c, 3 bu. or more @ 60c.

TIMOTHY.—No variety of our natural grasses is more cultivated than timothy, and for meadows it is very valuable. It is best suited to moist, rich, strong and loamy soils, where it grows to perfection, but does not succeed well on dry, sandy soil. It is very nutritious and makes good hay, but should be cut at the time of flowering. When sown with clover it makes but a small growth and must be cut young if the clover is secured in good season. It starts very slowly in spring, is a long time in coming into flower, and after cutting the second growth is slow, feeble and of little consequence seldom large enough to cut a second time. We are located in the best section of the country for growing timothy seed, and more of it is grown in Iowa than any part of the world. Our seed is extra nice. Sow 11 pounds per acre. Per lb. 20c, 3 lbs. 50c, postpaid. By freight per bushel (45 lbs.) \$2.10. Bags 15 cents each extra. Ask for price in quantity.

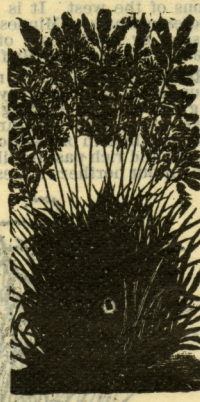
WATER FESCUE.—A perennial grass with long creeping roots, which is desirable for sowing on low wet ground, in shallow ponds, beside lakes, rivers, etc. A good grass for all low, moist meadows or pastures. Per lb. 40c, 3 lbs. \$1.10, postpaid. By freight per bushel (14 lbs.) \$1.25.

WATER or FLOATING MEADOW GRASS.—An invaluable grass for wet soils and marshes and lands which occasionally overflow. Per lb. 40c, 3 lbs. \$1.10, postpaid. By freight, per bu. (14 lbs.) \$3.75.

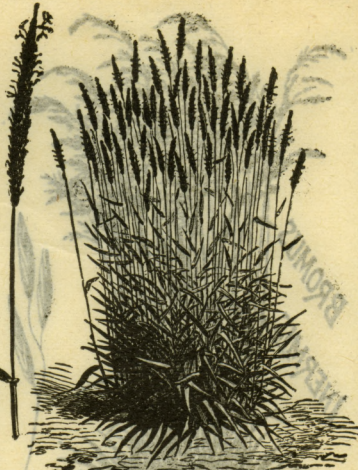
RED FESCUE.—For meadows or pastures on dry, hard or sandy soils. It is very hardy, a true perennial, growing about 1 to 2½ feet high. Per lb. 35c, 3 lbs. \$1.00, postpaid. By freight per bushel (14 lbs.) \$3.25.



TIMOTHY.



KY. BLUE GRASS.

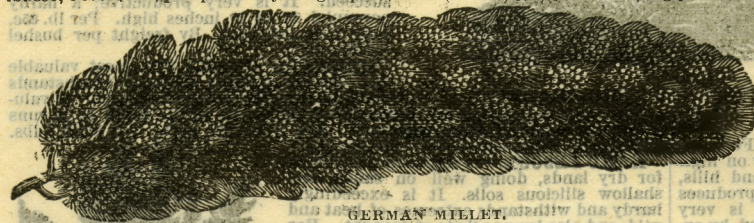


SWEET VERNAL.

KENTUCKY BLUE GRASS.—Very valuable and exceedingly popular in some sections of the country as a pasture grass. It is productive and unusually early in spring, furnishing delicious food for all kinds of stock. Not easily affected by frost or drouth, is suited to a great variety of soils, succeeding best on moist, rich land. For permanent pastures it is particularly valuable, being of dwarf growth, therefore not so well suited for meadows. Unexcelled for lawns. Our seed is all new crop, best grade "fancy cleaned." Sow 14 lbs. per acre for pasture, or 60 to 100 lbs. for lawns. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, bu. (14 lbs.) \$1.75. Sack of 8 bu. \$13.50.

MEADOW FOXTAIL.—A fine grass for permanent pastures, and should be sown in place of timothy in mixtures with clover and other grasses. Its growth resembles timothy and it bears no resemblance to the wild grass which is commonly called "foxtail." Is considered of better quality both for hay and pasture than timothy. Sow 14 lbs. per acre. Per lb. 45c, 3 lbs. \$1.25, postpaid. By freight, bushel (14 lbs.) \$3.50.

WONDERFUL SAND VETCH or WINTER VETCH.—A comparatively new forage plant in this country, which has proved of highest value and is highly recommended by the U. S. Agricultural Department. Though it succeeds and produces good crops on poor, sandy soils, it is much more vigorous on good land and grows to a height of 4 to 5 feet. It is perfectly hardy throughout the United States, remaining green all winter. Every dairyman and stock-breeder in the United States should have a field of it, and if you try it once you will never be a season without it. It is exceedingly nutritious, much more so than clover, is eaten with relish, and may be fed with safety to all kinds of stock. It is the earliest crop for cutting, and a full crop can be taken off the land in time for planting spring crops. Sow one half bushel per acre either in spring or fall. Pkt. 5c, lb. 30c, 3 lbs. 75c. By freight, peck \$1.80, bushel (60 lbs.) \$5.50.



GERMAN MILLET.

MILLETS.

There is nothing like millet for sowing to cover up shortages in your hay crops. It can be sown up to the middle or end of July and makes a valuable catch crop. Grain bags 15 cents each extra.

JAPANESE MILLET.—(*Panicum crus-galli*)—A distinct new variety which has been called by one seedsman the "Burrn Dollar Grass" owing to its high value. Especially valuable for the northern states. It yields an enormous crop of forage, which is greatly relished by stock. When cured it makes an excellent hay, its feeding value being much superior to corn fodder. Sow the seed broadcast at the rate of 15 lbs. to the acre, or in drills 12 to 18 inches apart, using 10 to 12 lbs. per acre. Per lb. 30c, 3 lbs. 75c, postpaid. By freight per bu. (48 lbs.) \$2.85.

GERMAN or GOLDEN MILLET.—Matures about two weeks later than common millet. The seed we offer is southern grown, and so much better is it than northern grown stock generally offered that more than double the quantity of fodder is produced on the same ground. It grows from 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. Per lb. 20c, 3 lbs. 70c, postpaid. By freight, bushel (48 lbs.) \$1.35. Second grade, northern grown, not as pure or clean. Bushel \$1.10.

COMMON MILLET.—Best quality. Preferred by some to German. Per bushel (48 lbs.) \$1.20.

HUNGARIAN.—Popular in some sections. Per bushel (48 lbs.) \$1.35.

NEW SIBERIAN MILLET.—Lb. 20c, 3 lbs. 50c, bushel (48 lbs.) \$1.25.

MANITOBA MILLET.—Also called *Hog or Broomcorn Millet*. Best millet for withstanding drought. About two weeks earlier than German. Per lb. 20c, 3 lbs. 50c, bushel (48 lbs.) \$1.50.

PEARL MILLET.—Entirely different from ordinary millet; an immense fodder yield, of tall growth, highly recommended by the U. S. Department of Agriculture for the south. Pkt. 5c, lb. 40c, 3 lbs. \$1.00. By freight, 10 lbs. (for one acre) \$1.50, 25 lbs. \$3.00, 100 lbs. \$10.50.



SAND VETCH.

ALWAYS SEND 15 CENTS EACH FOR BAGS TO HOLD CLOVER, TIMOTHY AND MILLET.

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

After the ground is carefully prepared, the seed is sown broadcast, which can be nicely and evenly done and very quickly with the little hand seeders which we advertise. As seed is small it should not be covered very deep, the natural covering which may take place after a shower of rain is sometimes sufficient. However it is best and more certain to lightly harrow it in. The pressure of a common farm roller on clover and grass seed covers the same slightly, and is one of the best means to assure the quick and even germination of the seed.

PERMANENT MEADOW MIXTURES.

Will make best quality hay every year, the mixture containing 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 20 lbs. per acre, or for a top seeding about half the amount.

NO. 1. FOR MEDIUM SOILS.—Contains Meadow Fescue, Perennial Rye Grass, Italian Rye, Orchard Grass, Tall Meadow Oat, Timothy, Red Clover and 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 much the same as above with the addition of Orchard Grass, Crested Dogs Tail 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. Any of the above Permanent Meadow Mixtures, per lb. 30c, 3 lbs. 75c. postpaid. By freight, 20 lbs. \$2.25, 50 lbs. \$5.00, 100 lbs. \$9.50.

PERMANENT PASTURE MIXTURES.

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 20 lbs. 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, etc.

NO. 7. FOR HIGH, DRY GRAVELLY SOILS.—Contains Sheep's Fescue, Hard Fescue, Creeping Bent, Bromus Inermis, Crested Dogtail, 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, Orchard Grass, Kentucky Blue Grass, English Blue Grass, Meadow Foxtail, Sweet Vernal, Red Clover, Alsike, etc.

Any of above Permanent Pasture Mixtures, per lb. 30c, 3 lbs. 75c, postpaid. By freight, 20 lbs. \$2.25, 50 lbs. \$5.00, 100 lbs. \$9.50.

OUR SPECIAL GRASS MIXTURE

FOR HAY AND PERMANENT PASTURES.



OUR MEADOW MIXTURE COMPARED WITH ORDINARY GRASS CROP.

DAIRY FARMER'S GRASS MIXTURE.

Dairy farmers particularly desire to take a crop of hay off the meadow and have the aftergrowth for pasture, and where the natural grasses are carefully selected with this object in view, this can be successfully done. This mixture is composed of tall, quick-growing grasses for mowing, after which the dwarf-growing varieties will cover the ground and furnish grazing until late in the fall. Consists of the best varieties of clover and grass seeds, 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. 30c, 3 lbs. 75c, postpaid. By freight, 20 lbs. \$2.25, 50 lbs. \$5.00, 100 lbs. \$9.50.

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 Dogtail, Bromus Inermis, Meadow Fescue, White Clover, etc. Sow 25 lbs. per acre. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, 25 lbs. \$3.00, 50 lbs. \$5.25, 100 lbs. \$10.25.

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. 30c, 3 lbs. 75c, postpaid. By freight 15 lbs. \$1.75, 50 lbs. \$5.00, 100 lbs. \$9.50.

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 to keep hog cholera and similar diseases away. Contains Perennial Rye Grass, Orchard Grass, Italian Rye Grass, Timothy, Tall Meadow Oat, Mammoth Red Clover, Crimson Clover, Alfalfa, White Clover, Red Top, etc. On any ordinary soil sow 15 lbs. per acre. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, 15 lbs. \$1.85, 50 lbs. \$5.50, 100 lbs. \$10.50.

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 five cents upwards, but we are not afraid of big orders. Our largest retail order was for \$1,370.00 worth of seed. 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.—*Geo. Wendel.*

The clover and grass seed purchased from you grew splendidly and yielded well.—*Fred Winter, Hubbard, Iowa.*

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 Mitman, 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 seed down more ground with this mixture next spring.—*John U. Hunziker, H—, Neb.*

AN EXPERIENCED AGROSTOLOGIST WILL PREPARE SPECIAL MIXTURE FOR SPECIAL SOILS AND PURPOSES.

SEED POTATOES.

With no other seed is the importance of change more essential than with potatoes and by using our northern grown seed you are assured of early maturity, increased yield and vigorous growth. The following varieties are, we think, the best and most satisfactory sorts for growing in Iowa and other states of the same latitude, and we have many customers in the north and far south who consider our stock much superior to any other.

Order as early as possible, stating whether you desire them shipped by express or freight, and we will ship as soon as the weather permits. We will ship at any time, when requested to do so, regardless of the weather, but customers in this case must take the risk. Those living at a great distance should look up freight or express rates before sending orders. Prices are subject to any important market changes. Ask for special quotations on large lots. At prices named we make no charge for boxes, barrels or drayage.

POUND PRICES.—All varieties 25c per pound, 3 pounds 60c, postpaid.

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

BLISS TRIUMPH.—The earliest potato in existence. —A handsome round variety which is by far the earliest variety in the world, maturing a week before the Extra Early Ohio, and is wonderfully productive. The tubers are not large, but are of a nice medium size for early use, round as a ball and a beautiful red color. For several years past it has been the most popular variety in the southern states and in the Bermudas, and hundreds of carloads are shipped to the northern markets, and bring fancy prices. There is always such a demand for them that the seed is scarce. It is a vigorous grower and we recommend it for the first early market or family use, especially in the south. Not so desirable for main crop. Pk. 65c, bu. \$1.75, bbl. \$4.25



BLISS' EXTRA EARLY TRIUMPH.

EXTRA EARLY OHIO.—Fancy northern grown stock. —For several years past we have been having these grown in the noted Red River valley, about 400 miles north of Des Moines, and careful tests have proven them to be fully ten days earlier than the Iowa grown stock. This is a great advantage to the gardener, and puts this variety at the head, second only to Bliss' Triumph. They are all of good average size, strictly pure, smooth and free from scab or rot, and outyield other early sorts greatly. It is a special advantage 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 keep firm till late in the spring. This variety is frequently sold under 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. Peck 60c, bushel \$1.50, barrel \$3.75.

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. Peck 50c, bushel \$1.25, barrel \$3.25.

MINNESOTA EARLY ROSE.—The Early Rose will doubtless always be a favorite sort, and our Minnesota grown stock is much superior to the Iowa grown in size and earliness. Peck 60c, bushel \$1.35, barrel \$3.50.

EARLY BEAUTY OF HEBRON.—A standard early sort and largely grown also for main crop. Peck 50c, bushel \$1.25, barrel \$3.25.

BONANZA.—One of the leading varieties for main crop. The tubers are large, oblong, somewhat flattened, skin dark red, smooth, flesh firm, white and fine grained. Productive and of superior quality. Pk. 50c, bu. \$1.25, bbl. \$3.00.



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

PARSONS' PROLIFIC.—Introduced by us in 1882, and is still considered by many the best main crop potato in cultivation for Iowa growers. They are a very nice, smooth, white potato, slightly russeted, and with eyes almost even with the surface. They run unusually even in size, there being but few small ones and no overgrown large potatoes. It is the potato for main crop and it will pay you to plant some this year. Pk. 50c, bu. \$1.25, barrel \$3.00.



PARSON'S PROLIFIC.

PAT'S CHOICE.—A splendid medium late variety originated in Minnesota. It is a seedling of Seneca Beauty, which it resembles. But it is two weeks earlier than Seneca Beauty does not boil to pieces as its parent does, and is of even better quality. The tubers are long, smooth and handsome, skin light pink in color, with eyes of a deeper shade, and covered over with a thick netting, which always indicates excellent quality. Pat's Choice is of rather slow growth early in the season but always surprises people the way it "pans out," when digging time comes. In spite of dry or wet weather, the growers of Pat's Choice have good crops and claim that it will outyield any of the heavy croppers of the Rural type, and is of better quality.

Pat is a sharp fellow when it comes to passing judgment on Irish potatoes, and the general testimony is that he knew what he was about when he made his choice. Pk. 60c, bu. \$1.50, barrel \$3.75.

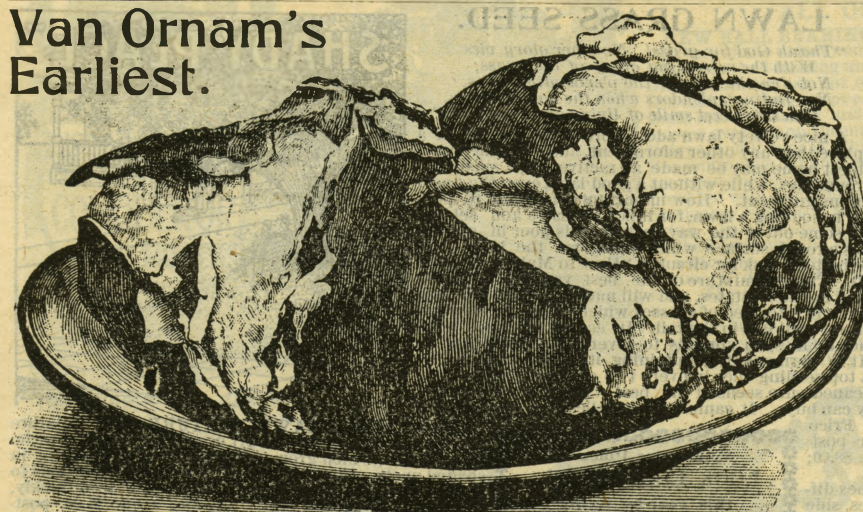
RURAL NEW YORKER NO. 2.—One of the largest yielding varieties in existence. Large and unusually smooth, with few and shallow eyes, skin white as is also the flesh, which is of superior quality. Medium late and the best drouth resister. Pk. 50c, bu. \$1.25, bbl. \$3.00.

COMMERCIAL. The big potato.—A seedling of Wilson Rose. Described as earlier than Sir Walter Raleigh, of large size, oblong in shape, rather flat, skin pink, well russeted, a heavy cropper and the best of keepers. Pk. 60c, bu. \$1.50, bbl. \$3.75



SLUG SHOT WILL KILL THE BUGS, BETTER ORDER SOME WITH YOUR POTATOES AND BE PREPARED.

Van Ornam's Earliest.



New Yorker No. 2, but is more uniform and yields practically no small tubers, every one being marketable. It is unquestionably the best of its type."

Sir Walter is one of our standards now for main crop, and it has come to stay. Farmers who plant this variety are practically certain of getting big returns on their investment, as it invariably yields big crops and the potatoes will always sell. Pk. 50c, bu. \$1.35, bbl. \$3.50.

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. \$1.25, bbl. \$3.00.

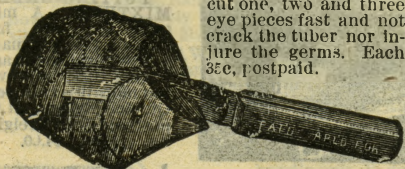
COLLECTION. One lb. each of the foregoing 13 varieties for \$1.25 by express, purchaser to pay charges, 1 peck of each \$5.00.

HYBRIDIZED POTATO SEED.—Potato seed from the flower boll, (the true seed.) It is from such seed that all the choice new varieties of potatoes are originated. Every farmer boy ought to "try his hand" with one or more packets of Potato Seed, and his father should get him the seed, give him the ground and time to attend same.

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CONCAVED AND CURVED SEED POTATO KNIFE.—It is thin and of the right shape to

cut one, two and three eye pieces fast and not crack the tuber nor injure the germs. Each 35c, postpaid.

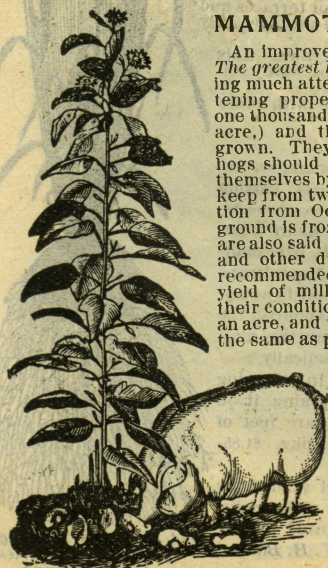


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MAMMOTH WHITE ARTICHOKE

An improvement on the Jerusalem artichoke. The greatest *hog food* known. These are attracting much attention on account of their great fattening properties, great productiveness, (over one thousand bushels having been grown on one acre,) and the ease with which they can be grown. They need not be dug in the fall; the hogs should be turned on them, and will help themselves by rooting for them. One acre will keep from twenty to thirty head in fine condition from October to April, except when the ground is frozen too hard for them to root. They are also said to be a preventative of hog cholera and other diseases, and they are also highly recommended for milk cows, increasing the yield of milk and at the same time improving their condition. Three to five bushels will seed an acre, and they may be planted whole or cut the same as potatoes. One eye to a piece being sufficient. Plant in April or May, in rows three feet apart and two feet in the row and cover about two inches deep. To destroy them they should be plowed under when the plant is about a foot high, at the time the old tuber has decayed and new ones are not yet formed. 1b. 25c, 3 lbs. 60c prepaid. By freight or express, pk. 40c, bu. \$1.00, bbl. \$2.50.

Potatoes received O. K. and are very nice.—L. Woodman, Blocksburg, Cal.

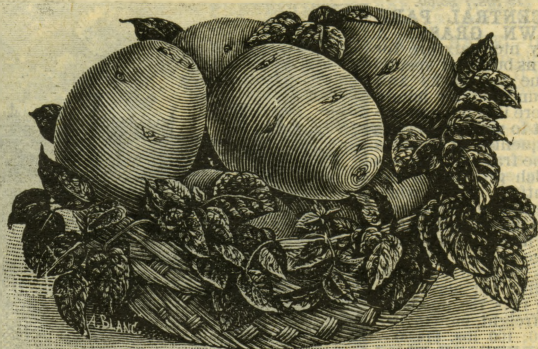


ARTICHOKE.

VAN ORNAM'S EARLIEST.—Mr. F. B. Van Ornam of this state is well known throughout the country as a prominent seed potato grower and has originated several of the best varieties of potatoes now on the market and is the author of a popular book on potato culture. This new variety he considers the best of the extra earlies and has allowed it to bear his name. It is a seedling of strong, erect, vigorous growth with plenty of dark green foliage which is quite tough and resists drouth, blight and insects. The tubers are long and round, sometimes slightly flattened, of light pink color and large in size. The potatoes grow very compactly in the hill and moderately near the surface, thus making it easy to harvest. The eyes are plenty, but they are about level with the surface causing no inconvenience in peeling. It matures very early, flesh is very white and mealy when cooked and quality unsurpassed; it is an excellent keeper. Stock is so small that they are unable to offer it in large quantities. Pk. 75c, bu. \$2.50.

"The Proof of the Potato is in the Eating."

SIR WALTER RALEIGH.—The two greatest money makers of recent years have been Rural New Yorker No. 2 and Carman No. 3. These both originated with the late E. S. Carman of the Rural New Yorker. Since then Sir Walter Raleigh has been brought forward as "Mr. Carman's Best." The introducers say: "In most respects it closely resembles Rural



SIR WALTER RALEIGH.

SEED SWEET POTATOES.

For thirty years past our firm has been known as headquarters in central Iowa for choice seed sweet potatoes. Our stock is grown, stored and handled especially for seed purposes and cannot fail to please all. Price subject to market changes. Ask for price list any time after March 1st. We usually ship about April 12 to 20. If desired we will send you a copy of our circular telling how to grow sweet potato plants, free; read Fitz's Sweet Potato Culture; price 60c, postpaid. See page 25 for price of plants.

EARLY YELLOW JERSEY.—In spite of the many so-called new varieties, all of which we have tested, Early Jersey holds the first place. The earliest and most productive; of large, short, chunky shape and of very best quality. It will probably always remain the most popular market sort. Pk. 50c, bu. \$1.50.

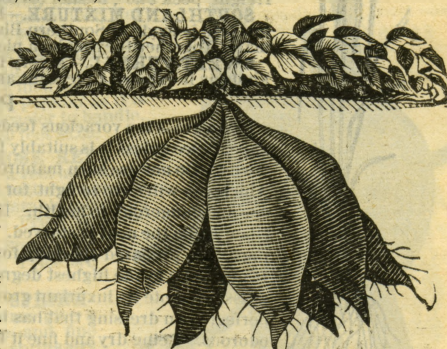
YELLOW NANSEMOND.—Like the above, but averaging longer and not so "chunky." Pk. 50c, bu. \$1.50.

WHITE SOUTHERN QUEEN.—These are the large "Yams" which are so popular in the south. Even the seed potatoes are monster size, often weighing several pounds each. Per pk. 75c, bu. \$2.20.

NEW GOLD COIN VINELESS.—A novelty of great merit which has been very popular during the past few years since its introduction. Instead of having long running vines like all other sorts it is of dwarf bush-like growth, leaves are large, shaped somewhat like a maple leaf and unlike any other kind of sweet potato. The tubers are yellow, of medium to large size and lie compactly in the hill. When cooked the flesh is rich yellow color, dry, sweet and of best possible quality. They are quite productive, an immense crop can be raised, because owing to their peculiar manner of growth they can be planted closer together and require less labor in cultivation. Per pk. 75c, bu. \$2.50.

RED JERSEY.—Similar in shape to our Early Yellow Jersey but of a dark red color. Quality excellent and it is without doubt the best of all the red varieties. Pk. 75c, bu. \$2.00.

Any of above varieties by mail, postpaid, at 35c per lb, 3 lbs. \$1.00. Ask for price in quantity.



Des Moines, Iowa, Feb. 1, 1901.—During the past summer thousands of persons have admired the beautiful velvety green lawns at our city parks (4-9 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.

LAWN GRASS SEED.

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

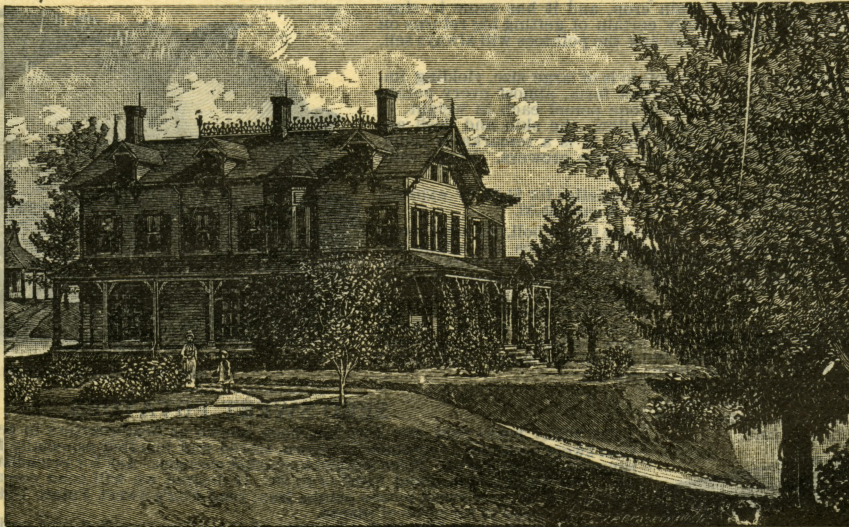
A nice velvety lawn adds more to the beauty of a place than any other adornment, and even the humblest home may be made attractive with such surroundings, while without a good lawn even the finest flower garden seems insignificant. How important it is then to plan for the best lawn obtainable. Do not 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."

EVERGREEN MIXED LAWN GRASS SEED.—This is a mixture of the best varieties of grass seeds, suited for growing together in the central and northern states, and will make a beautiful soft velvety lawn and as handsome green as an emerald, and is formed of grasses which keep green from early spring all through the hot dry summer weather, until late in the fall. It comes up quickly (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 to eight weeks. It is permanent, maintaining its beauty for a lifetime, although it is a good plan to give any lawn a top dressing once in 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 qt. (will sow 300 square feet), 25c; 4 qts. 85c postpaid. By freight, bu. (15 lbs.), \$2.75; 50 lbs. \$8.40; 100 lbs. (will sow one acre,) \$15.00.

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 easily wash out. Qt. 35c; 3 qts. 90c, postpaid. By freight, per bu. (15 lbs.), \$3.60.

CENTRAL PARK LAWN GRASS.—A very nice mixture for lawns but is of special value for parks and around country homes where it is not convenient to mow the lawns frequently. It contains some fragrant grasses which give out a delightful odor when growing or when cut. It is the grass for country homes, parks and large estates and for this purpose sow about 50 lbs. per acre. Qt. 20c; 4 qts. 75c, postpaid. By freight, bu. (15 lbs.), \$2.50; 100 lbs. \$14.00.

KENTUCKY BLUE GRASS.—Many of our customers prefer a clear blue grass lawn to the mixtures. Our stock of this is the best grade of fancy cleaned new crop, tested seed. 1 lb. 3 c; 3 lbs. 75c postpaid. By freight, bu. (14 lbs.), \$1.75.



WHITE CLOVER.—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 it requires but little in mixtures. 1 lb. 45c; 3 lbs. \$1.25 postpaid. By freight, peck \$4.00; bushel (60 lbs.) \$15.00.

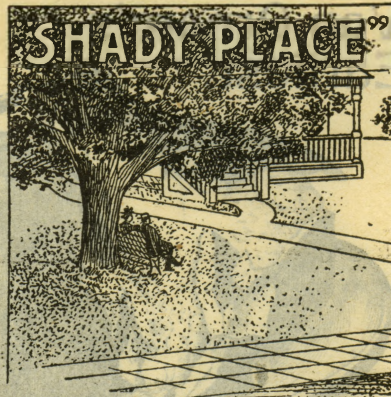
SOUTHLAND MIXTURE.—In the southern states there is frequently trouble to secure a lawn. This mixture is made of Southern Blue Grass, Bermuda grass and other varieties adapted to a hot, sunny climate. Together they make a nice bright lawn the year round. Qt. 40c; 3 qts. \$1.10, postpaid.

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.

PEERLESS LAWN FERTILIZER.

Lawn grass is a voracious feeder, and will not thrive and hold its beautiful dark green color and velvety appearance unless it is suitably fed. The lack of this one requisite causes many poor and rusty looking lawns. Do not use barn manure as it is apt to contain objectionable grass seed and noxious weed seeds, which you will have to fight for years to come. It is unpleasant to handle, ill-looking and decidedly odorous and dangerous to health. It cannot be evenly distributed, the result being that one spot is over-nourished while the next is starved. All these objections are obviated by the use of our Peerless Lawn Dressing. It is prepared specially for lawns and is of the best quality, dry, finely pulverized and easy to apply. It possesses in the highest degree and concentrated form those constituents best calculated to nourish the grass, promote its luxuriant growth, and the dark green color so greatly admired. It is not only the most perfect lawn dressing that has been devised, but it is the most pleasant to handle, being practically non-odorous. Being dry and fine it is easy to apply, and imparts a vigorous growth to the grass. In preparing a new lawn, sow 10 to 30 lbs. per 1000 square feet of surface, according to richness of soil, raking it in thoroughly. For a top dressing on old lawns, use half this amount, about 10 lbs. for 1,000 square feet of lawn, or 400 lbs. per acre, early in spring. Price per 10 lb. pkg. 60c; 25 lb. pkg. \$1.00; 50 lb. pkg. \$1.85; 100 lbs \$3.00; 500 lbs \$12.00.

The lawn grass seed purchased last spring has proved satisfactory in every way. When I graded my lawn in the fall all of my neighbors advised me to sod it, but this I could not afford to do, so with predictions of failure on every side I sent for your Evergreen Lawn seed. In a short time it was ready for the mower, and I have as nice a lawn as any one could wish for. It cost me less than \$2.00.—W. H. Bahme, Ottumwa, Iowa.



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. Qt. 35c; 3 qts. \$1.00, postpaid. By freight, bu. (15 lbs.) \$4.40.

GOLF LINKS MIXTURE.—This is a mixture of various sorts of fine grasses which when liberally sown will produce a fine green sward during the growing season. They grow vigorously when cut closely, 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 earliest spring to latest fall. This mixture includes Sweet Vernal Grass, which gives the perfume of "New Mown Hay." Qt. 3 c; 3 qts. 75c, postpaid. By freight, bu. (15 lbs.) \$3.00.

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. Qt. 50c; 3 qts. \$1.25, postpaid. By freight, bu. (14 lbs.) \$4.60.



Root of grass showing effect of Peerless Lawn Dressing.



Root of Grass showing the effect of using Peerless Lawn Dressing.

LAWN SUPPLIES.

ALL OF THE BEST QUALITY.



IOWA SEED CO'S
NEW BALL BEARING
CONQUEROR
LAWN MOWER

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 moisture is drawn up into the earth 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.

EUREKA WEED KILLER—Weeds, grass and moss are a nuisance on gravel and brick walks and driveways. They are easily killed and the walks made bright and clean by using this preparation, one package of which is sufficient when mixed with 25 gallons of cold water to clear 100 square yards. Package 75c, by express.

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 but little success, until the invention of this new preparation which does the work. Per package 50c, or postpaid for 60c.

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.

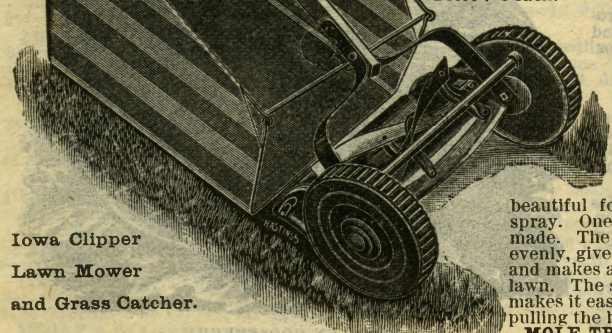
DANDELION PULLER—A convenient little tool of special value for use on lawns; 50c each.

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.

CLEVELAND LAWN WEEDER—"Extracting the root" is easy with this little tool and its use saves time and a great amount of back aching work. Price 75c.

GRASS CATCHERS—The most successful device yet brought out for the purpose. It is easily attached to any make of lawn mower that we know of, and as it fastens to the handle only, it does not in any way interfere 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, 14 and 16 inch mowers. Price 65 cents.
No. 2, for 16 to 20 inch, 90 cents.

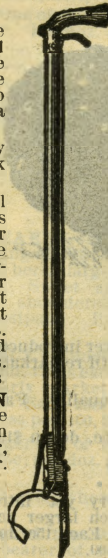
SELF CLEANING LAWN RAKE—Best cheap device for raking the lawn. An automatic self cleaner, keeping the teeth clear. Price 75c each.



Iowa Clipper
Lawn Mower
and Grass Catcher.



IRON RESERVOIR VASE.



CLIMAX
WEEDER.

MAGIC NOZZLE—Sprays or will throw solid stream. Price 5c each.

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, covers a large circle and makes a very attractive appearance on the lawn. The sled arrangement on which it rests makes it easy to move it from place to place by pulling the hose. Each \$1.35.

MOLE TRAPS—See page 126.

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. Two years ago he put them into our hands and we can now 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 mowers. This gives it a continuous cut and makes a much 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 a less. The mowers are warranted and we are sure will please the most particular. Price for mower cutting 14-inch swath, \$6.50; 16-inch, \$7.00; 20-inch, for large lawns, \$7.75.

IOWA CLIPPER LAWN MOWER—For four years we have sold a great many of these and they gave splendid satisfaction everywhere. There was not one complaint. It is thoroughly well made, runs easily, does excellent work, cutting smooth and clean. Diameter of drive wheels 8 3/4 inches. Its cutting bar is 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.

EXCELSIOR HORSE LAWN MOWERS—The best make, 30-inch cut, \$80.00; 35-inch cut, \$95.00; 40-inch cut, \$120.00.

PERFECTION HORSE LAWN MOWERS—A much cheaper pattern; 30-inch cut, \$22.00.

FINLAY ROTARY LAWN RAKE—It does the work of raking and gathering up all loose grass, leaves, twigs and loose litter. It works very rapidly and cleans the lawn thoroughly. Price \$12.00.

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. Price 50c each.

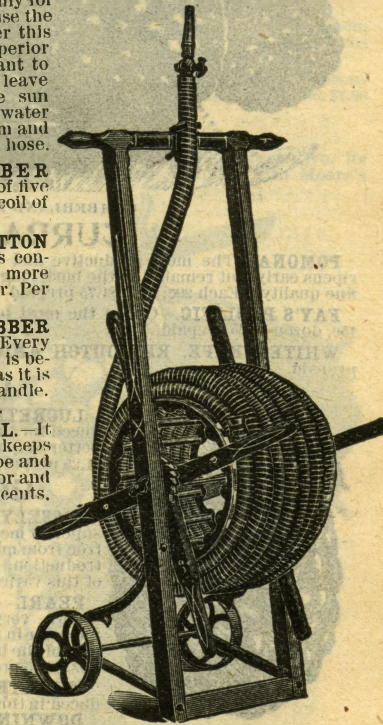
RUBBER HOSE—Few realize the great difference there is in the quality of rubber hose. The price ranges from \$2.00 to \$12.00 per length of fifty feet. The low grades will not stand ordinary water pressure, and are gone in a few days. The most expensive grades are intended only for steam. For general 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 out the best of hose.

SAMPSON RUBBER HOSE—A high grade of five ply rubber hose. Per coil of 50 feet \$7.50.

GREEN LINE COTTON HOSE—Many persons consider the cotton hose more serviceable than rubber. Per coil of 50 feet \$6.00.

DEFIANCE RUBBER HOSE—(Half inch.)—Every year the half inch hose is becoming more popular as it is lighter and easier to handle. Per coil of 50 feet \$5.00.

DUDE HOSE REEL—It pays to use a reel as it keeps the hose in better shape and saves considerable labor and annoyance. Price \$5 cents.



DUDE HOSE REEL.

PLANT A NICE BED OF CANNAS ON YOUR LAWN FOR CONTINUOUS DISPLAY.

NURSERY STOCK.

Nothing is more healthful 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, which with necessary care in planting and cultivating will surely give satisfactory results. The following prices are all for first-class stock, carefully packed and charges prepaid except where otherwise noted. Fifty or more of any variety at the 100 rate. Orders for nursery stock must amount to at least 50c. Ask for special prices on large orders, sending list of wants.

RASPBERRIES.

REDFIELD.—Introduced by us several years ago and we doubt if any variety will be brought out for many years to come equal to it. The berries are unusually large and luscious, somewhat similar to Shaffer's Colossal in color and shape, and holds its form better without crumbling. The canes are very vigorous and unusually free from thorns or spines. In our trial grounds, beside a great many old and new sorts, it yielded 3 to 4 times as much fruit as any of them. Each 20c, doz. \$1.25 prepaid. By express per 100 \$3.00.

CUMBERLAND.—This is undoubtedly the best blackcap variety yet introduced. It is of very large size, good quality, firm and handsome, and an excellent shipper. Plants vigorous and hardy, productive and free from disease. One of the newer introductions, and is rapidly becoming very popular with all small fruit growers. Each 20c, doz. \$1.25 prepaid; by express not prepaid per 100 \$3.50.

CONRATH.—Resembles the Gregg in many ways, but is much earlier, better quality and harder. It makes a very strong, healthy growth, and is considered one of the Ironclad varieties. Each 15c, doz. \$1.00 prepaid; by exp'r per 100 \$2.25.

GREGG.—Too well known to need description. Has been one of the leading blackcap varieties for many years. Each 15c, doz. 75c prepaid; by express per 100 \$2.00.

EUREKA.—This is an early variety, fruit large and firm; almost equaling the Gregg in size but is considerably earlier. Is of excellent quality. Makes an attractive appearance in the box. Canes strong and hardy. Each 15c, doz. \$1.00 prepaid; by express per 100 \$2.25.

WALLACE'S RED.—Considered by many to be the best flavored red raspberry grown. Is healthy and roots from tips; does not sucker; commences to ripen about July 1st, and continues bearing for several weeks. Each 15c, doz. \$1.25 prepaid; by express per 100 \$3.00.



REDFIELD RASPBERRY.

LOUDON.—This variety seems to hold its place in the front ranks of red raspberries; propagates from the roots. Very large, solid, good color; ships well, plants very hardy and attractive. Each 15c, doz. \$1.25 prepaid; by express per 100 \$3.00.

HAYMAKER.—Purple red color cap, not so dark as Columbian 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, doz. \$2.00 prepaid.

BLACKBERRIES.

RATHBUN.—This is said to surpass any blackberry yet introduced. Berries very large and superior quality and an intense jet black. Each 25c, doz. \$1.50 prepaid; by express per 100 \$3.50.

EBER.—Very productive. Fruit large and of fine quality; makes a very attractive appearance on the market. Each 20c, doz. \$1.25 prepaid; by express per 100 \$3.00.

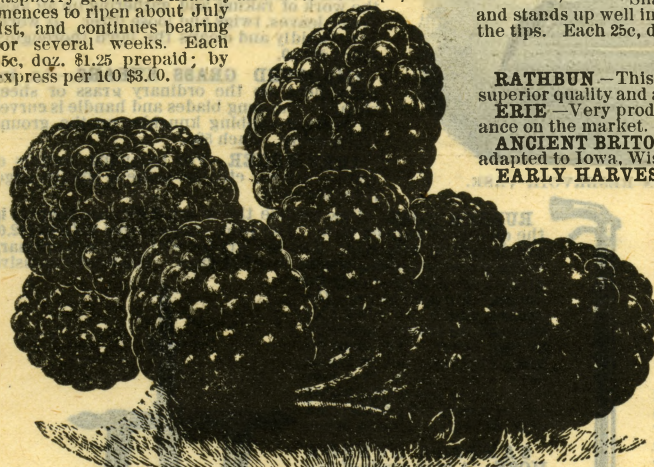
ANCIENT BRITON.—This is regarded as one of the hardest blackberries and especially adapted to Iowa, Wisconsin and Minnesota. Each 15c, doz. \$1.00 prepaid; by exp. per 100 \$2.25.

EARLY HARVEST.—This is one of the earliest blackberries yet introduced, a compact, stalky grower; fruit medium size and firm quality. Very attractive. Each 15c, doz. \$1.00 prepaid; by express per 100 \$2.25.

SNYDER.—Extremely hardy and very productive. The standard sort for the west. Each 15c, doz. 75c prepaid; by express per 100 \$2.00.

RUSSIAN MULBERRY.

After having grown these for about fifteen years, we are convinced that they are one of the most valuable trees for general planting. They are perfectly hardy, standing in any locality with any kind of soil or climate. They make beautiful shade trees for the lawn, or if allowed to branch close down to the ground they are unsurpassed for large hedges and wind brakes. They can be trimmed to any shape desired. They also grow rapidly and will make the finest fence posts in six to eight years. The leaves are not constantly dropping all summer, but they keep a beautiful green until late in the fall when all the leaves drop at once. Their fruit is of much value, and we have used them on the table both fresh and canned for several years past. One of the highest values however is to the fruit grower as a protection to other fruit. By planting a few trees in the orchard the birds will be induced to feed on mulberries instead of eating the cherries and other fruit. We offer good, strong trees 4 to 6 feet high, 35 cts. each; \$1.00 per dozen; 2 to 4 feet high, 20 cts. each; \$1.80 per dozen; small seedlings, \$1.00 per dozen; \$3.00 per 100, by express or freight.



CUMBERLAND RASPBERRY.

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 20c, doz. \$1.75 prepaid.

FAY'S PROLIFIC.—One of the most prolific and of excellent quality. Each 15c, dozen \$1.25 prepaid.

WHITE GRAPE, RED DUTCH AND VICTORIA.—Each 15c, dozen \$1.00 prepaid.

DEWBERRY.

LUCRETIA.—The best dewberry yet introduced for this section. Berries much larger and better in quality than blackberries. Each 15c, doz. \$1.25 prepaid; by express per 100 \$3.00.

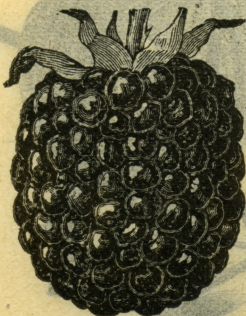
GOOSEBERRIES.

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 35c, dozen \$2.75 prepaid.

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 prepaid.

INDUSTRY.—The best English sort yet introduced in this country. Each 25c, doz. \$2.25 prepaid.

DOWNING AND HOUGHTON.—Each 20c, doz. \$1.25 prepaid.



WRIE BLACKBERRY.



JOSSELYN GOOSEBERRY.

NOTICE THE HARDY SHRUBS, VINES AND ROSES DESCRIBED IN BACK PART OF THIS BOOK.

STRAWBERRIES.

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 low prices by the thousand.

ROUGH RIDER (s).—This is one of the newer varieties, and has proved to be one of the most vigorous growing and productive varieties yet introduced. The fruit is very large, slightly irregular, quite firm and of most excellent quality. It is a perfect bloom and ripens from medium to late. It always brings the highest price on the market. Per doz. 50c; per 100 \$2.25 postpaid. By express per 100, \$1.75.

SAMPLE (p).—It is claimed that this is the most productive of any variety yet introduced with an imperfect bloom. It is of large size, fine shape, good quality. It has been claimed that it produced 16,000 quarts per acre on the grounds of the originator in Massachusetts. The plants are vigorous and free from disease. The season for ripening is long, and it holds its size well to the last picking, also does well in matted rows. This has given excellent results on our trial grounds. Per doz. 50c; per 100 \$2.00 postpaid. By express per 100 \$1.75.

CLYDE (s).—This has been one of the most popular varieties in the west for the past few years. It is of vigorous growth and very productive. Will stand neglect better than most varieties. It is not large in size, smooth and regular in shape and produces a large amount of pollen, which makes it a valuable variety to plant with varieties having an imperfect bloom. 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 of the Warfield type. Is very hardy, productive and vigorous grower, making numerous plants. It will stand neglect better than almost any other variety. The berry resembles the Warfield in size, color and shape. Remains in bearing until late. It is claimed by some that it is the best all round variety yet introduced. Per doz. 50c; per 100, \$1.75 postpaid. By express per 100, \$1.50.



ROUGH RIDER.

quite late. It is unsurpassed in quality. It is introduced. Per doz. 50c; per 100, \$1.75 postpaid. By express per 100, \$1.50.

BRANDYWINE (s).—Large berry, vigorous strong grower and makes a large heavy plant. It is fine for market, being large, firm and a handsome bright red color. The blooms are perfect, making it a good fertilizer for other varieties, ripening in its season, which is medium to late. Per doz. 40c; per 100 \$1.25, postpaid. By express, per 100, \$1.00.

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).—This is a variety 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. It is of large size and moderately firm. Per doz. 40c; per 100 \$1.25 postpaid. By express per 100, \$1.00.



CLYDE.

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. 30c; per 100 \$1.00 postpaid. By express 100, 75c.

BEDERWOOD (s).—This is one of the best known varieties for planting with 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 named varieties would fail, as it will stand an unusual amount of neglect. The berry is of a medium size and fair quality. Per doz. 30c; per 100, \$1.00 postpaid. By express per 100, 75c.

WILSON (p).—One of the old standard varieties, producing a medium sized berry, rather acid but a good shipper. Per doz. 40c; per 100, \$1.25 postpaid. By express 100, \$1.00.

NICK OHMER (s).—This berry is recommended as being very large size, uniform in shape, dark glossy red, firm and of excellent flavor. Season rather late. Per doz. 50c; per 100, \$1.50 postpaid. By express per 100, \$1.25.

LOVETT'S EARLY (s).—This variety succeeds well almost everywhere. It has a perfect bloom and bears heavy crops of medium sized berries, which are firm and of good color. Produces very early fruit. Per doz. 50c; per 100, \$1.00 postpaid. By express per 100, 75c.

BUBACH (p).—Fruit large size, irregular in shape, moderately firm, fair quality, vigorous grower. Succeeds well in all soils. Per doz. 40c; per 100, \$1.25 postpaid. By express per 100, \$1.00.

GRAPES.

CAMPBELL'S EARLY.—Strong grower with large, healthy foliage. Very productive, its keeping and shipping qualities are unequalled 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. \$3.50 postpaid. By express per 100, \$15.00.

MOORE'S EARLY.—Bunch large, berry very large and round, vines exceedingly hardy. A very desirable early market black variety, extremely hardy. Each 25c; per doz. \$1.75 prepaid. By express per 100, \$5.00.



CAMPBELL'S EARLY.

WORDEN.—A large grape of the Concord type, much earlier and larger and of better quality, hardy and more productive. The best all around black grape. Each 25c; per doz. \$1.50 postpaid. By express per 100, \$4.25.

CONCORD.—The well known standard black variety. Succeeds well everywhere. Each 20c; per dozen \$1.50 postpaid. By express 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. Ripens between Moore's Early and Concord. Each 50c; per doz. \$4.00 prepaid.

AGAWAM.—Berries very large, bright red, with thick skin, very vigorous grower. Fruit of good quality. Each 25c; per doz. \$1.50 postpaid. By express per 100, \$4.50.

BRIGHTON.—Bunch large, well formed. Berries medium size, red, excellent flavor and one of the earliest in ripening. Each 25c; per doz. \$1.50. By express per 100 \$4.50.

WOODRUFF.—Of iron-clad hardness, 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 35c; per doz. \$2.50 postpaid. By express, 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 25c; per doz. \$1.75 postpaid. By express per 100, \$5.00.

POCKLINGTON.—Bunch and berries large. When fully ripe a light golden yellow, juicy, tender, sweet with little pulp. Vines extremely hardy and free from mildew. Each 20c; per doz. \$1.50 postpaid. By express per 100, \$4.50.

MOORE'S DIAMOND.—The leading early white grape ripens before Moore's Early. White with red or yellow tinge, quality excellent, resembles Concord in growth. Fine variety for both home and market. Each 25c; per doz. \$1.75 postpaid. By express per 100 \$5.00.



MOORE'S DIAMOND.

IF YOU WANT TO BUY A LARGE LOT OF NURSERY STOCK ASK FOR PRICES.

THE ABUNDANCE PLUM



PLUMS.

Strong, well grown trees.

Purchaser to pay freight or express charges.

ABUNDANCE.—The Abundance is becoming more popular each season. It is large, showy and beautiful; amber turning to a rich, bright cherry color with a decided white bloom; flesh light yellow, exceedingly juicy and tender and of delicious sweetness impossible to describe; stone small and parts readily from the flesh. Excels in early and profuse bearing. It is practically curculio proof. Season medium. Each 60c; dozen \$5.00.

TATGE.—A fine hardy plum of European strain, supposed to belong to the Lombard family, but is larger and of better quality. A fine grower with beautiful foliage; an early and profuse bearer. Price 75c each; doz. \$6.00.

BURBANK.—Considered by some to be the best of all the European color, very sweet and agreeable. Tree vigorous and commences bearing early, blooms late and is likely to escape late spring frosts. Each 50c; dozen \$4.50.

LOMBARD.—A valuable market variety, one of the most hardy and popular. Season late. Each 60c; dozen \$4.50.

AMERICAN VARIETIES. **Forest Garden.**—Large, nearly round, mottled red and yellow, very sweet and rich, early. **De Soto.**—Medium bright red, hardy and productive. **Wolf.**—Very large, freestone, excellent quality, hardy and productive, late. **Hawkeye.**—Good quality, large and thrifty, productive, late. **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, melting and delicious. Tree strong grower and very prolific, season medium. Price for all the above each, 50c; dozen \$4.50, not prepaid.

CHERRIES.

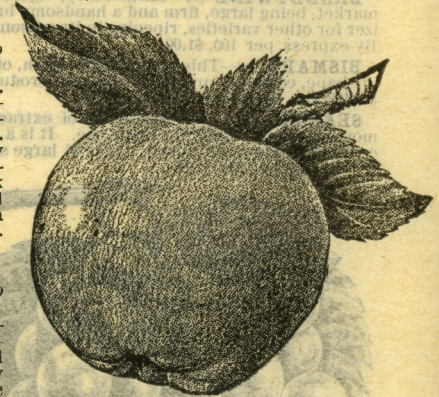
Price each 60c; per dozen \$5.00. Purchaser to pay express or freight charges.

EARLY RICHMOND.—Medium size, dark red, juicy acid flavor. This is one of the most valuable and popular of the early varieties and is unsurpassed for cooking purposes. **Montmorency.**—A large red acid cherry, larger than the Early Richmond and about ten days later. Very productive. **Wragg.**—A large late acid variety, dark purple. One of the most productive, well adapted to the high latitude and prairie regions. **English Morello.**—Medium dark red, rich and juicy, late.

PEACHES.

Price each 35c; per dozen \$3.00. Purchaser to pay express charges.

CHAMPION.—Fruit large, beautiful in appearance, excellent flavor, skin creamy white with red cheeks, extremely hardy with freestones. **Crosby.**—Medium size, bright orange yellow streaked with carmine. One of the best standard market sorts and claimed to be the hardest of all peaches. Ripens in September. **Triumph.**—Very early, good quality and fine shipper. Blooms late in the season. **Bokara No. 3.**—The hardest peach yet brought to public notice; of fine quality and a good bearer.



YELLOW TRANSPARENT APPLE.

PEARS.

Any of the following by express or freight each 60c; per dozen \$5.00.

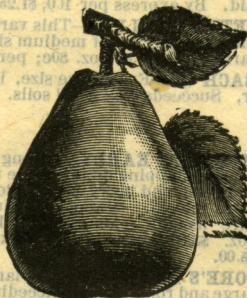
KIEFFER.—Large, rich colored and good quality. Excellent for canning; will keep until late in the winter. **FLEMISH BEAUTY.**—Large, red cheeked, productive and hardy.

BESSEMIANKA.—A seedless Russian variety, almost free from blight, hardy and productive.

BARTLETT.—Large size of excellent quality. One of the leading varieties.

KOONCE.—Medium to large, early and of delicious quality, a vigorous grower.

SECKEL.—Small, but of excellent quality; tree extremely hardy.



BESSEMIANKA PEAR.

CRAB APPLES.

TRANSCENDENT.—Medium size, golden yellow, rich, crimson red cheek, hardy and 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.

GENERAL GRANT.—Extra hardy, red and yellow. Fruit large and round. Flesh white and fine grained.

MARTHA.—Extra hardy, red and yellow. In flavor said to surpass all other crabs. Late.

Each of above 35c, dozen \$2.75.

EVERGREENS.

(Transplanted.)



SPRUCE.

Variety.	Size.	Each.	Doz.
American Arbor Vitae.	12 to 18 inches	\$.35	\$ 3.00
American Arbor Vitae.	18 to 24 inches	.60	5.00
Scotch Pine	12 to 18 inches	.40	4.00
Scotch Pine	18 to 24 inches	.60	5.50
Norway Spruce	12 to 18 inches	.40	3.50
Norway Spruce	18 to 24 inches	.60	5.50
Colorado Blue Spruce	18 to 24 inches	1.00	10.50

APPLES.

Price 35c each; \$2.75 per dozen. Purchaser to pay transportation charges. Ask for prices by the hundred.

SUMMER VARIETIES.

Benoni.—Medium, red, tender, juicy, productive. **Red Astrachan.**—Large, beautiful, deep crimson. **Yellow Transparent.**—Earliest and best, tender, juicy, subacid. A variety which is always satisfactory. **Red June.**—Medium, of excellent quality.

AUTUMN VARIETIES.

Autumn Strawberry.—Tender, juicy, productive. **Duchess.**—Good size, yellow streaked, rich, juicy, productive. **Haas.**—Large yellow, nearly covered with red, tender, juicy and subacid. **Maldens 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.

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 Rawles Janet but is larger; tree very productive; valuable for a long keeper. **Akins Red.**—Tree hardy, thrifty and a great bearer. Medium to large, flesh crisp, tender and juicy. One of the finest winter apples ever introduced. Valuable for home or market; keeps till May. **Winesap.**—Medium, deep red, firm, crisp; one of the standard varieties. **Wealthy.**—Large, red, showy, subacid and productive. **Walbridge.**—Medium, striped with red; excellent quality. **Ben Davis.**—Large, handsome, standard western variety for market. **Grime's Golden.**—Good size, yellow, of highest quality, very productive. **Jonathan.**—Medium, red, extra quality. **Northwestern Greening.**—Yellow, of good size, extra long keeper. **Gano.**—An improved Ben Davis; nearly covered with deep dark red. **Rawles Janet.**—Medium, yellow striped with red. Rich, crisp and juicy; a long keeper. **Talman Sweet.**—Medium, yellow and rich. **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. You cannot afford to be without one or two trees of this variety. Price, any of above, 35c; doz. \$2.75, by express or freight, at purchaser's expense. Ask for prices by the hundred.

"AYE, KEEP PLANTIN' A TREE JOCK, IT'LL BE GROWN' WHILE YOU'R A SLEEPIN'."

Novelties and Specialties for 1903.

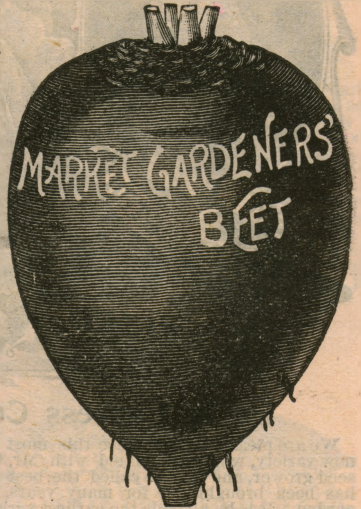
"WHAT have you that is especially new and desirable this year?" is the first question asked us by many of our patrons, and last season we spent months searching through Europe and America for varieties which were not only new, but of decidedly superior merit, and the following pages on colored paper contain much which is of great value. Some of them are novelties and others are sorts of rather recent introduction, but of such superior qualities that we call special attention to them by giving them a place here. Each is faithfully described from careful observation. All are worthy and recommended by us. Aside from these, many desirable novelties will be found listed in various parts of the catalogue, as well as the standard sorts which every one wants for stand-bys. Notice the collection of novelties offered on cover and on the colored plates.

IOWA SEED CO'S MARKET GARDENER'S BEET.

This is undoubtedly one of the best novelties ever introduced, and it receives much praise from our customers each year. Its shape is well illustrated by the accompanying engraving. As will be noticed, it is very symmetrical, with small tap root and but few fibrous roots. Unusually small tops. Although on some soils the Egyptian can be marketed a few days before the Market Gardeners, still within a week it will be found larger than the Egyptian, while it continues to grow until late in the fall, attaining a large size, and making a good eating and selling beet for winter. By the first of October they measure eight inches in diameter and average six pounds each in weight. One sowing only is necessary to produce early beets for market and main crop for winter use, which is not the case with any other variety. Color, deep blood red; fine grained and unsurpassed in quality. Summing it all up, we find in it the **Best Beet for Early Market, the Best Beet for Winter Use.** Owing to the small tops permitting them to be grown close together, and the peculiar shape of the bulb, it is the most profitable beet for the market gardener and for the family garden. Pkt. 10c; oz. 3c; $\frac{1}{4}$ lb. 85c.

COOPER'S MARKET KING BEET.

When in England last year we found this new variety growing on the place of Mr. Cooper, one of the largest growers and experimenters in that country and we were so much impressed with its value that we contracted at once for the seed. It is a half long variety and will therefore yield more bushels per acre than any round sort. The roots are very symmetrical and of fine dark red color and very solid. Flesh is also dark red, fine grained and of excellent quality. It is a quick grower and also one of the best keeping sorts. It may not be generally known, but a large part of the beet seed used in America is grown in England as their moist atmosphere is well adapted to growing a fine quality of seed. We are sure this new variety will please every one and we most highly recommend it. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.



GOLDEN NUGGET TOMATO.

When at the Royal Agricultural Show in England last year, our attention was especially attracted by this grand new variety; plants being on exhibition which were loaded with seventy to eighty fruits on each plant. The fruits are of the most beautiful golden yellow color, as round as a ball and about as large as a walnut. Flavor is exceptionally fine, and we have no doubt that they will prove a most desirable variety for eating from the hand or as a dessert fruit. They are a new sort, however, in England, and we were able to obtain only a small quantity of seed. We grew them the past summer both on our farm and at our trial grounds and were more than pleased with the result. Instead of yielding 70 to 80 fruits, they were loaded down with 150 to 200 of the most beautiful rich golden yellow fruits that you can imagine and the flavor is delicious. Don't fail to try them this season if you want something extra fine. Pkt. 10c; oz. 35c.

PHARAOH'S DREAM CORN.

"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 it 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 present high value. Its peculiar manner of growth



GOLDEN NUGGET TOMATO,

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. The ears are of large size and 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 and will please the most particular. The corn is pure white, tender and of rich, delicate flavor, remaining a long time in edible condition. Instead of ears maturing all at once they form in succession and therefore make a constant supply throughout the season. The ear stalks are so long that it might well be called a branching variety, and it looks tree-like when growing. We have such a limited quantity of this corn that we at first thought that we would defer its introduction until another year so as to be able to offer it in quantity, but on further consideration we decided that our customers would prefer to test this grand novelty this season, and we are therefore offering it in packets of ten seeds for ten cents. It is the greatest novelty in sweet corn that has ever been sent out and you should not fail to plant it this year. Produces better when only one or two grains are planted to each hill. Pkt. 10c

OSAGE GEM MUSK MELON.

Outside like netted Gem, inside like Osage, it pleases the eye on sight and confirms that impression by its color and exquisite flavor when cut. This new hybrid of Osage and Netted Gem much resembles Paul Rose in size and inside salmon flesh, but in outside skin and netting it is exactly like the Oval Netted Gem with the best style of netting. It has two great advantages for the gardener. First, it will sell for highest prices in any market where "Gems" are popular, on the appearance as a first-class type of that variety. Second, it will please all customers who prefer salmon flesh. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 65c; lb. \$2.00

1903 Vegetable

Novelty Collection.

Consists of one packet each of Golden Nugget Tomato, Market Gardeners' Beet, Scarlet Gem Radish, Market Gardeners' Parsley and Sunrise Sweet Corn; illustrated on back cover of this catalogue.

All for 25 Cents.



Early Express Cucumber.

We are pleased to introduce this most remarkable and valuable new variety, which originated with Mr. C. P. Coy, the well known seed grower, and may be called the best novelty in this line which has been brought out for many years, especially for the private garden. It is by all odds the earliest variety in existence, producing fruit several days ahead of Early Siberian, Extra Early Russian and other early sorts, and nearly double the size. Quality is the very best, being free from any rank, strong flavor, and it is as fine a variety for slicing as any later sort. The plant is very productive, bearing fruit which is quite uniform in size and shape. Color is a lively green, shading to nearly white at the blossom-end as they grow older. Our cut shows compact growth of vine. Per pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

African Horned Cucumber.

A remarkably curious novelty which is not only an excellent fruit for table use or pickling but is a highly ornamental climbing vine of most luxuriant growth and fine for trellis or screen. It is the fruit, however, which is the most curious and distinct feature. It averages when mature, about 4 inches long by $2\frac{1}{2}$ in diameter, and is covered with strong protruding points or horns. The skin is perfectly smooth and of a very deep dark green. When the fruits ripen they turn a brilliant orange and yellow, in speckled and clouded effects, and are then highly ornamental. Will keep sound for weeks. Pkt. 10c.



EARLY EXPRESS CUCUMBER.

New Cumberland Cucumber.

For several years past Mr. C. P. Coy, the veteran seed grower has been at work trying to perfect a cross between the Peerless White Spine and Japanese Climbing Cucumber, and he has finally succeeded in obtaining this very superior sort, which he calls the Cumberland. It is a hardy, rapid, vigorous grower, and one of the most prolific varieties that we know of. The pickles differ from all other sorts in being thickly set with fine spines over the entire surface except the extreme stem end. They are exceptionally straight and symmetrical, and the flesh is crisp and tender, so that we are safe in calling it the best pickling cucumber on the market. Our seed is grown for us by Mr. Coy and is therefore pure, and we are sure it will please all cucumber growers. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.00.

Alexandria Squash.

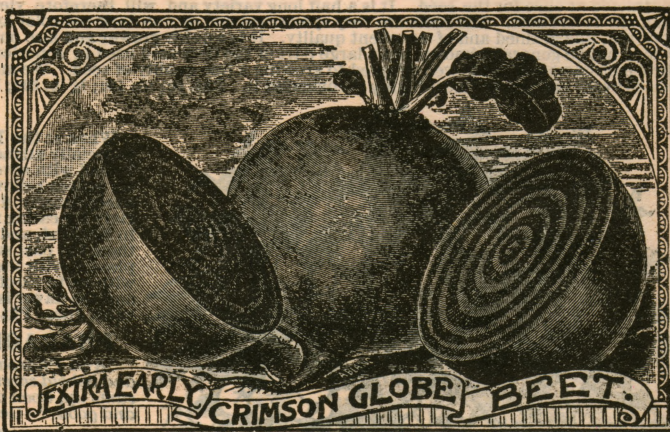
This novelty originated on the place of Mr. F. B. Van Ornam, the well known seed grower who introduced the Sibley or Pike's Peak Squash a number of years ago, which was claimed to be the only variety of winter squash ever brought out equal to the Hubbard. Its shape is somewhat similar to the Ford Hook, and about the same size, but it is perfectly smooth, without ribs, and the shell is very hard. Is a rapid, vigorous grower, produces a large number of fruits and is an excellent keeper. Squashes may be cooked at any time during the season. It does not however, cook as dry as the Hubbard. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

Washington Wakefield Cabbage

For many years the Jersey Wakefield Cabbage has been the most prominent early sort with market gardeners, and many attempts have been made to improve upon it, with heretofore but limited success. In this grand variety, which is well shown by our illustration, we have a most superior strain, well worthy the name it bears. It is a leader, and **First in head! first in market! and first in the hearts of the gardeners!** It is very early, the heads pyramidal in shape, larger than the Jersey Wakefield, very solid, with few outside leaves. Grows remarkably uniform, heads of even size and shape. Unequaled for market or family garden. Try it this season. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.75.

Extra Early Crimson Globe Beet

This magnificent new variety from England is the best novelty in table beets which has been offered since we introduced the Market Gardener's. It is a very early variety, generally of spherical form as shown in our illustration. Skin very smooth and it is as handsome a beet as you can imagine. It is of a rich, deep red color shading to purple. Cooks readily, is very fine grained, and flavor cannot be surpassed. Our illustration shows the beautiful variegation of the cut beet, but when cooked it is of even, dark color throughout and is attractive when on the table. It is not only a choice sort for early use, but it is also very desirable for main crop as it keeps well until late spring. They are of such uniform shape and size that they make the most desirable variety for selling in bulk in the fall as well as for bunching. Everyone who has even a small garden should try Crimson Globe this year. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c, lb. \$1.50.



Improved Triumph Watermelon

The Largest of All Melons.

Mr. Girardeau, the originator of several of finest melons on the market, has brought out this grand new sort and to prove his claim of largest size he offered prizes aggregating \$210.00 and the first prize was won with a melon weighing 149 $\frac{1}{4}$ lbs. and one grower pulled melons aggregating over 800 lbs. from one vine. Ain't that enough to make the picklinnins dance, as shown in our picture? It is solid, of dark green color, matures fairly early and is of excellent quality. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 6 c, lb. \$1.75.

Governor Candler states "that he had one of the Triumph Melons weighing 132 lbs. which was of fine quality and was sufficient to supply the forty-three persons present with all they could eat."



NO ORDER IS TOO LARGE NOR TOO SMALL TO RECEIVE OUR CAREFUL ATTENTION.



NEW CONTINUITY LETTUCE.

Erfurt Early Prolific Broad Beans.

For many years past 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, Broad Windsor, does not succeed well in this country owing to its lateness and liability to be affected by unfavorable weather. When traveling through England two years ago 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. The Broad Windsor usually has three or four beans in each pod while this new variety has from five to nine beans of extra large size, larger than the ordinary Lima Beans and of most delicate flavor. The plant is of robust, upright growth, entirely different from any of the ordinary varieties of beans. Pods measuring 12 to 14 inches in length are not uncommon and they are so broad and handsome in appearance that they prove very attractive on the market. Under special culture pods have been produced 20 inches in length, containing 12 fine beans. They are more hardy than most varieties of beans and may be planted earlier in the season. Plant in rows about two feet apart, and six inches apart in the row, covering 1½ to 2 inches deep. The top of the stalk should be nipped off as soon as the plants begin to flower as this induces earliness. Our stock is somewhat limited, but still we hope that every one of our customers will order at least a trial packet. Pkt. 10c, ½ pt. 20c, qt. 65c, postpaid. By freight, ½ pk. 85c. pk. \$1.50.

Paragon Rhubarb.

Best of the foreign varieties. Received from Germany and has proved to be of extra quality, very large size, rather round stem and of dark red color. We believe that it will prove desirable for forcing. Nice strong roots, each 25c.



APPLE-PIE MELON

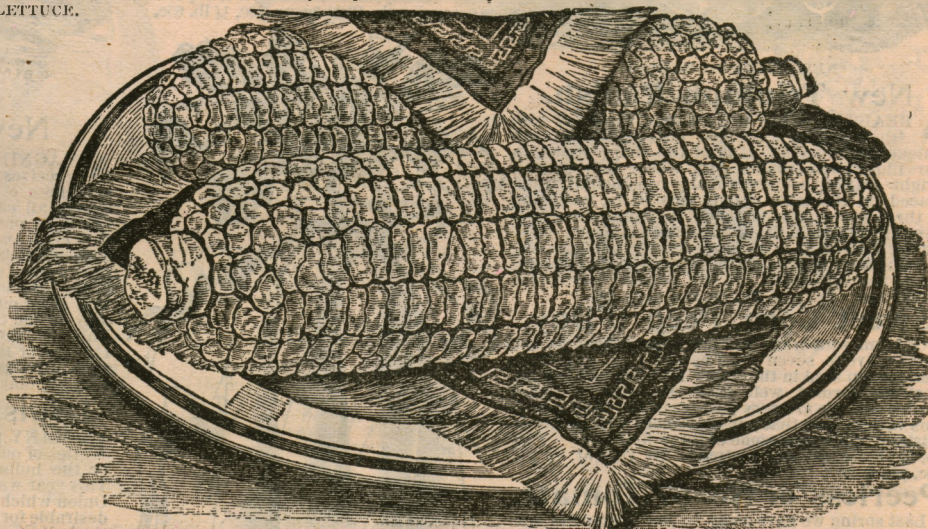
New Continuity Lettuce.

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 very dark brown color tinged with purple, while the inside of the head is fine creamy white, tender, crisp and well flavored; making it in all respects a very desirable sort. It is especially recommended for holding on through the hot dry weather, such as we had in 1901. and remaining crisp and brittle at all times. We most highly recommend it and believe that it will please everyone. Pkt. 10c, oz. 25c, ¼ lb. 75c.

Early Sunrise Sweet Corn.

This splendid new variety, which we introduced, originated with a market gardener in the western part of this state, and for eight years he had been selecting it to an ideal size and also the earliest maturing. In this way he finally obtained this variety, which is distinct from all others. Ears about 6 inches long, well filled out at end, and husk covering so completely and being so tight as to prevent work 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 of 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, ½ pt. 15c; qt. 50c, postpaid. By freight, ½ pk. 75c, pk. \$1.25.

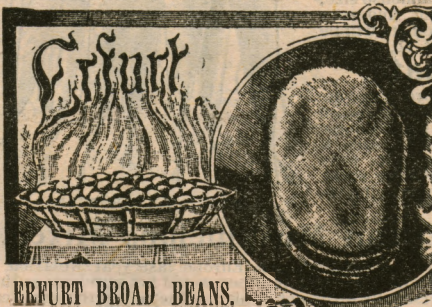
The Maine State Bulletin, No. 27, states that the Early Sunrise was as early as any variety in their long list, much larger and better than Cory; in quality equal to most of the later varieties and the most prolific of all. They say it is worthy of special mention.



EARLY SUNRISE SWEET CORN.

Apple Pie Melon.

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 sized melons will make as many pies as a bushel of apples. We have estimated carefully in our field that one vine would produce an average of about 300 pounds, and this is equal to six bushels of apples, as there is not a waste of cores and peeling that you



ERFURT BROAD BEANS.

have with the apples. The flesh is white, solid throughout and of excellent quality for making pies, sauce, preserves, etc., and it greatly 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 may be fed to the live stock. In fact it would pay to grow them for this purpose alone as they can be kept and fed fresh all winter. We sent out small packets of this variety to several thousand customers last year and everywhere they proved highly satisfactory. Sold this year in packets only. Pkt. 10c, 3 pkts. for 25c.

Winter Pineapple or Santa Claus Muskmelon.

This is distinct from any other variety. The skin, instead of being netted, is deeply corrugated, and when ripe, of a rich yellow, intermingled with green. It is almost solid flesh. The flesh is light green, unusually spicy, melting and delicious, having a rich, aromatic pineapple flavor. As it does not ripen on the vines, it should be picked before hard frost and kept in a cool, dry cellar, where it will keep for months; a few days before wanted for use it should be placed in a warm room to ripen. Pkt. 5c, oz. 15, ¼ lb. 50c, lb. \$1.50.

Yard Long Beans.

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



NEW TRIUMPH RADISH.

New Triumph Radish.

A BEAUTIFUL and valuable new variety of radish which is a decided novelty, being both unique and valuable. It is of the shape shown in our illustration, round, with white skin striped bright scarlet, being decidedly ornamental when placed on the table. It is very early, maturing in three weeks, has very small top, thus adapting it to cultivation in hotbeds. The flesh is white, crisp, tender and of as good flavor as any radish grown. It being a sport some of the roots are always of solid color, not variegated. It will please everyone for family use. Per pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

Sweet Corn, Peep O'Day.

Of Minnesota origin and has been offered in the market five to seven days earlier than any other well-known kind in the trade. Ears five inches long, perfectly formed, well filled. The corn is tender and sweet. We are very positive of the earliness of this variety, and that our customers will make no mistake in planting some of it for first early. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c, postpaid. By freight, $\frac{1}{2}$ pk. 60c, pk. \$1.00.

Peerless or No. 57 Tomato.

Last spring we gave away to our customers several thousand packets of this new tomato, and they were greatly pleased with it. It is of immense size, of solid, meaty quality, bright red color, and very productive. We are sure that our customers will be pleased with this grand new sort. Pkt. 5c, oz. 30c.

Quick-Sure Tomato.

The originator claims that the above name describes this variety, as it is very quick to mature and a sure cropper in any soil or climate. On our home farm where we had it growing the past season, it proved to be quite productive, but the fruits were large and rough and not equal to some other sorts. We believe that it would better on poorer soil however. Pkt. 5c, oz. 25c.

European and African Muskmelons Mixed.

WE GROW large quantities of melon seed and when in Europe last year we tried to make arrangements to supply the dealers there, but they would not purchase as they liked their native varieties better. Personally we do not think that they equal the American sorts, but some of our customers may think differently, and we would like to have you compare them. We secured seed from various parts of Europe and Africa and offer them in one grand mixture, which includes many curious sorts, one of which is shown. Per pkt. 10c.



AFRICAN MELON.

New Golden Globe Onion.

ONE of our seed growers in northern Iowa has been at work for several years past improving the Yellow Globe Onion, and he has now secured a variety which is the handsomest shaped and best keeping sort that we know of. Our cut, made from a photograph illustrates a crate filled with these onions, which throughout the crop were uniform in size and of perfect shape, there being no off shape bulbs in the lot. They are also one of the best keeping varieties that we know of, as we have kept specimens in a warm, steam heated office room for several months without their showing any sign of sprouting, while ordinary onions beside them sprouted badly and became so soft as to be of little value. We most highly recommend this new variety for private family use as well as for market gardeners, and believe that they will prove to be the most profitable variety on the market as well as the handsomest, most prolific, best keepers and easiest sellers, making them in all respects the most desirable variety that we know of. Per pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.00.



SCARLET GEM RADISH.

New Icicle Radish.

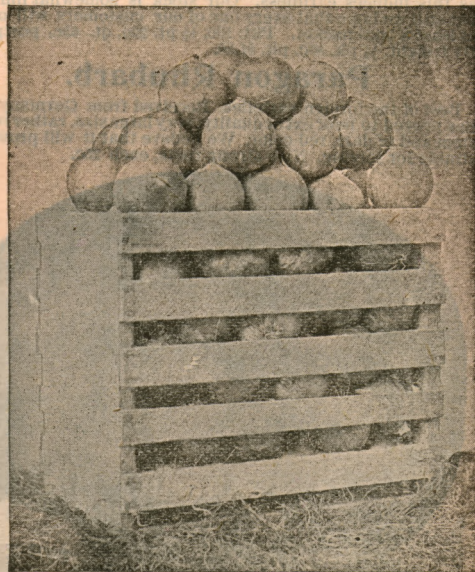
A MAGNIFICENT novelty from Germany which receives its name from the almost transparent whiteness of the root which has no comparison among all cultivated radishes. The shape is well shown in our illustration. It is of the best flavor, very crisp and brittle. It vies in earliness with the earliest forcing sorts producing nice roots in 22 days from date of sowing and it continues in prime condition for a longer period than any other variety, so that from one sowing of seed nice, crisp radishes may be had from early in spring until mid-summer. This adds greatly to its value for the family garden. It is one of the best European novelties which has been introduced for several years and should become very popular. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

Louisiana Creole Onion.

IN MANY parts of the south the ordinary varieties of onion seed either will not produce a bulb or the bulbs are so soft as to be unmarketable. This year we have secured seed of the noted Creole Onion which is said to be the only variety really desirable for southern planting. Yellow-red in color, the bulbs are medium size of flat shape and excellent quality. Per pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Golden Butter Cress.

A desirable new variety of handsome yellow color. Rich flavor. Very desirable in salads. Pkt. 5c, oz. 25c.



NEW GOLDEN GLOBE ONION.

IT WILL PAY YOU TO READ THE DESCRIPTIONS OF THESE NOVELTIES.



New Atlas Pumpkin.

What do you think of a pumpkin weighing 300 pounds? It is not an impossibility, as that weight has been exceeded in this variety, which is an improvement on the Mammoth Chili. One specimen shown at the World's Fair is said to have weighed 481 pounds, but such a weight is extraordinary. Our seed is the result of years of selection and was saved only from the largest sized, perfect shaped specimens which will be sure to produce enormous fruits if properly grown. It is just the thing for exhibition at fairs, etc., and just think of the enormous weight that can be grown from one seed. Flesh is a rich yellow, very thick, and of excellent quality, nutritious and profitable to grow for stock feeding. Keeps well. We have only a small supply of seed this year and can only offer it in packets of ten seeds for ten cents.

A Prize of \$10.00

Will be paid for the largest specimen grown from our seed this year, the report to be sent in by October 15th. Full directions for growing large specimens sent with each packet.



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

Giant Fringed Winter Endive.

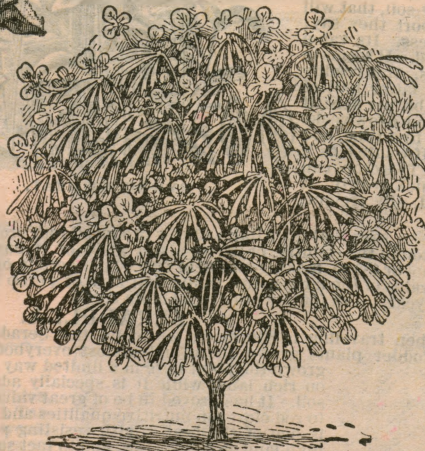
Endive is one of our best and most wholesome salads for fall and winter use and some people call it winter lettuce. This fine new variety is the best of all. It is a strong, vigorous grower, making a large, white heart and the leaves are beautifully curled and of the best quality, very crisp and refreshing. Sow seed in April for early use, or in June or July for winter. Pkt. 10c, oz. 30c, ¼ lb. \$1.00.



GIANT FRINGED ENDIVE.

Rose-Ribbed Self-Blanching Celery.

This beautiful new Celery is a sport of the Golden Self-Blanching Celery, and possesses all the good qualities for which that variety has become so famous. It has the same beautiful, rich golden-yellow color, is self-blanching to the same remarkable degree, and differs only in the color of the ribs. These are of a very attractive shade of rose, which deepens as season advances. This ornamental feature gives the whole plant a most pleasing appearance, that cannot fail to make it of even greater value for market, while no celery could be of finer quality, and we recommend it to all lovers of nice celery. Pkt. 10c, oz. 30c, ¼ lb. 85c, lb. \$3.00.



CHINESE SAGO BEANS.

Chinese Sago Beans.

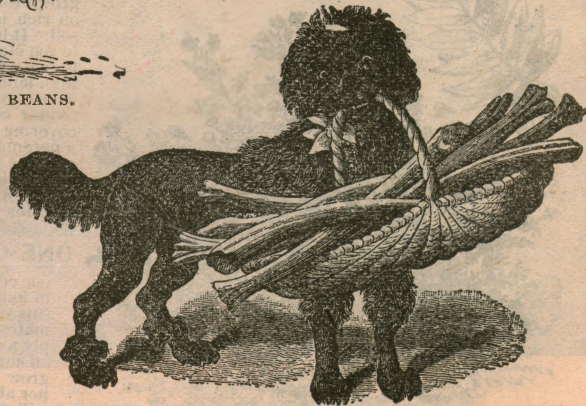
When traveling in California we spent considerable time on a 600 acre farm which was devoted to growing standard vegetable and flower seed and novelties from all parts of the world. We noticed here that the kind of food called *Lou-taw*, which seemed to be the most relished by the farm workmen, was a small, round, green bean, smaller than a kernel of popcorn or about the size of sago. To prepare it for the table it was soaked in water for several days, changing water frequently until it began growing and the sprout was about half an inch long. When boiled they then make a nice fresh dish for the table. In this way fresh vegetables can be had in the winter. We tried growing them on our place last summer and they yielded wonderfully well, so we take pleasure in offering them to our customers. It will make a new dish for your table and a fresh vegetable ready at any time of the year. Pkt. 10c, oz. 20c, ¼ lb. 50c.

Giant Gray Sugar Peas.

A novelty from Hawaii which we have grown here for several years and it has yielded an immense crop of large flat pods, which are unusually tender and sweet. The peas should not be shelled, but the pods are to be cut into pieces about an inch long and boiled. With the addition of a little milk and butter they are as nice as the best asparagus, only richer. The Cleveland Seed Co., who claim to be the largest growers of seed peas in the United States, writes us, "We consider your new Sugar Peas the most desirable Edible Pod Peas ever brought to our notice. It is prolific and has very handsome broad pods, quite stringless, brittle, tender and sweet." If you want to enjoy a delicious table luxury, try them this year. In packets only, packet 10c.

New Ideal Mammoth Rhubarb.

The rhubarb (or pie plant) is a vegetable which it is difficult to improve and it takes many years to fully establish a new variety. About 25 years ago Dr. Kennicott, of Illinois, in growing roots from seed, found one which was so far superior to, and different from all others, that he saved it carefully, and the root has been divided and propagated from year to year until finally we purchased the stock. Like all other highly improved sorts it seeds sparingly and comes more nearly true to name when grown from seed than most other sorts. The stalks are as large, if not larger, than the Victoria, and are produced in much greater abundance. Pkt. 10c, oz. 25c. Strong roots 30c each. Per doz. \$2.50



NEW IDEAL MAMMOTH RHUBARB.

Mammoth Ground Cherry

For several years past we have thought the Yellow Ground Cherry was a fruit which could be improved, and by hybridizing and selecting we have finally secured a mammoth size fruit, fully 1½ inches in diameter, which is of fine flavor. Thousands of our customers will want to try it, but we can only offer it in packets of 40 seeds. Price per packet 10c.

Snow Ball Popcorn.

A most excellent variety, claimed to be a great improvement on White Rice. Ear of large size, fine shape, very productive. Pkt. 10c; ¼ pt. 20c; qt. 65c, postpaid. By freight, ¼ pk. 75c; pk. \$1.40

IF YOU HAVE EVEN ONE COW IT WILL PAY YOU TO PUT IN ONE HALF ACRE OF PENCILARIA.

Farm Seed Novelties.

UPLAND RICE.

It is a well known fact that rice forms the principal food of one-half the population of the earth and it is far more of a staple the world over than wheat, rye or corn. While it has been grown to a limited extent in South Carolina for a number of years, still in 1898 there was imported into the U. S. 190,285,315 lbs. to supply the demand, and that is about the usual import. During the past few years the people of the U. S. have awakened to the immense possibilities of this crop, and some Des Moines men who have started rice plantations in the south have minted money with wonderful rapidity. One man after paying all the expenses incident to starting a new place, cleared \$1,500 on 16 acres, the first year. The main expense in growing rice has been the necessity of irrigating or flooding the land. This cools the land, retards the growth and makes it impossible to grow rice in the northern states. We now offer our customers an early variety which can be grown on any ordinary land, although it prefers a moist situation, and has matured in Illinois. In an ordinarily favorable season it will yield 20 to 40 bushels per acre, or fully as much as wheat, and it has yielded 80 bushels per acre. Its growth is similar to wheat. Ordinary rice is sown broadcast, 1 to 3 bushels per acre, but the Upland Rice requires only one peck per acre. Sow early in spring in drills 2 feet apart, and drop the seeds 1 inch apart in drills covering about 1½ inches. It stools out very heavily. We have only a limited supply of seed this year, but we want every farmer to try it. Select a good place to sow it and prepare to supply your neighbors with seed next year at a good profit. Price per packet 5c, ¼ lb. 15c, 1 lb. 40c, 3 lbs. \$1.00 postpaid. By express or freight, ¼ pk. 75c, pk. (11 lbs.) \$1.25; bu. \$4.50. Order early.

IDAHO COFFEE PEAS.

A new substitute for coffee, not at all resembling the German Coffee Berry, listed on page 45. It is a native of Idaho and has been grown largely in Colorado and elsewhere, producing immense crops at a low cost, one plant sometimes bearing as many as 1,000 pods. When roasted and ground it has the flavor of coffee. The peas when boiled without roasting are equal to ordinary garden peas. Pkt. 5c, ¼ lb. 15c, lb. 40c, 3 lbs. \$1.00 postpaid.

MACARONI WHEAT.

Few people have any idea of the immense quantity of Macaroni used in this country, and until very recently it has all been imported, but now there are several factories in the U. S. and it is said that the largest factory in the world is located in Iowa. It requires a special kind of wheat to make it, the best being known botanically as *Triticum Prolongum*. It is a very heavy yielding variety and does specially well in the semi-arid plains. A million acres could profitably be devoted to this new grain, which is now of little value for other crops. It seems to be always a sure crop and will mature in a shorter season than any other wheat we know of, and is therefore desirable for Minnesota, Dakota, Manitoba and the Northwest. Sow seed early in spring, about 1½ bushels per acre. There is a heavy export demand for the wheat and from one section of Canada, where they have been growing it they exported about six hundred thousand bushels. Does well on good soil but the yield is larger and quality better when grown on poor land. Don't fail to try it. Pkt. 5c, lb. 30c, 3 lbs. 75c postpaid. By freight, ¼ pk. 65c, pk. \$1.00, bu. \$3.00, 2 bu. or more @ \$2.75.

Mr. Davidson of Ottawa county, per ton in the country, or \$32.00; also a yield of 11 bushels of seed worth \$8.00 per bushel or \$88.00, making a total of \$120.00 per acre in one season, or about three times the value of the land. How would that kind of a crop suit you? Better try Alfalfa this year. Ask for our price on Alfalfa seed.

RYE-BUCKWHEAT.

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. We have grown the plant here in a limited way for several years but mainly on rich land, while it is specially adapted to light, poor or sandy soil. It has proved to be of great value, being considered fully equal to red clover in nutritive qualities and yields a much larger crop. It is one of the best drouth resisting plants known, and does well on high land as well as low, and in fact succeeds well anywhere except on heavy or clayey soils. Cattle are very fond of it as hay, green fodder or for pasturing. It makes a dense, thick, rapid growth, covering the ground completely and choking out all weeds. 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. Progressive farmers will give it a trial this year. Pkt. 5c, lb. 30c, 3 lbs. 80c, postpaid. By freight, 10 lbs. or more @ 15c. Bushel of 45 lbs. (will sow 3 acres). \$5.50.

ONE COW.—Even if you have only one cow it will pay you to put in half an acre of *Pencilaria* this year. One grower estimates that ¼ acre will supply a cow with green fodder all summer, and ¼ acre will grow sufficient hay to feed her all winter. 40 cents worth will plant half an acre. See page 47.

CORN JUDGING.

Do you know a good ear of corn when you see it? Can you state in a clear, concise way the reason why one ear is superior to another?

OUR CORN JUDGING MANUAL may be worth hundreds of dollars to you. Price 10 cents, or free to persons who buy seed corn from us this year.

MACARONI WHEAT

NEW UPLAND RICE

A wonderful new grain from Russia which has never before been introduced in this country. It is a curious variety of buckwheat and is exactly like the ordinary varieties in foliage, blossom, shape of plant and habit of growth, except that it produces grains free from hulls and greatly resembling rye in shape, as shown in our illustration. On our farm it yielded a much heavier crop than either rye or buckwheat, and proved a great success. Seed may be sown at any time from April 1st to August 1st. We have received letters from several of the Agricultural Colleges in various states speaking highly of it. Pkt. 10c, ¼ lb. 20c, lb. 50c, 3 lbs. \$1.25 postpaid.

GIANT SPURRY.

An excellent plant for pasture and it grows so well on poor, dry, sandy soil, that it has been called "the clover of sandy land." Grows very rapidly and is of great value for light or thin ground and several years' experimenting at the Michigan Agricultural College has proven that it is the only plant which can be grown on poor, sandy, dry soil, that will surely return a paying yield. In another report they say: "The Spurry has shown wonderful productiveness. Its value as a manurial plant on light sands is pronounced. It seems to enrich the soil more rapidly than other plants. It is readily eaten by sheep and cattle." Sow broadcast the latter half of March and in April or May at the rate of 10 lbs. per acre, if wanted for hay. It germinates quickly, and in from 6 to 8 weeks is ready to cut. It is usually cut for hay the first time, and is pastured afterwards for the rest of the summer. Two crops can be plowed under in one year, on account of its quick growth. It is an annual. Pkt. 5c, lb. 30c, 3 lbs. 75c postpaid. By freight, 10 lbs. \$1.25, 50 lbs. \$5.00, 100 lbs. \$9.25.



SERADELLA.

YOU WOULD BE PLEASED WITH OUR GOLDEN WEST CORN.



NEW CENTURY WONDER CORN.

cakes, and is therefore sometimes called Flour Corn. Yields 100 to 160 bushels per acre. The Iowa State Register, in its farm department, says: "This wonderful corn, which was grown about four miles northwest of Des Moines, grows 10 to 12 feet high, produces 3 to 7 ears on a stalk and 10 to 20 stalks to the hill from one seed planted. The ears are about 9 inches long and it yielded 75 bushels on half an acre. It makes the finest of stock food when cut for fodder and produces many times as much as ordinary corn." We believe this corn will prove of great value everywhere for use as sweet corn, to grind into meal, to feed hogs, cattle and horses and as a fodder plant. Plant early as it requires the whole season to mature in this latitude.

NEW CENTURY WONDER CORN.

A most 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. There are frequently 3 to 7 ears to the stalk, being 8 to 10 inches long, and of the most clear, snowy white color. It is of excellent quality when used on the table like sweet corn, yielding, of course, a much larger crop, and when dry and ground makes the cleanest, finest, whitest meal you ever saw. It will rise like wheat flour and can be used in bread, biscuits, pies and



GIANT CUZCO.

THOUSAND HEADED KALE.

About nine years ago we introduced Dwarf Essex Rape to our customers and it has proved to be the most popular forage plant ever brought to America. The seed is grown in England and when the writer was there a year ago the growers called his attention to the Thousand Headed Kale which is now supplanting rape in that country. They state that there is fully three or four times as much of this new kale grown for forage purposes as there is of the rape. We have tested the kale here and also had it in the hands of several other persons and it has given excellent results. The seed is much higher in price than rape, but it takes less of it.

The seed can be sown early in April or any time thereafter until mid-summer. It grows to a height of three to four feet, and is so covered with small whorls of leaves that the name of Thousand Headed Kale has been given it. It is plain that it will yield a much larger crop than the Dwarf Essex Rape as it branches out from the bottom, grows very rapidly and is greatly relished by hogs, cattle and sheep. The roots penetrate to a great depth in the subsoil so that the plant is not affected by drought. It grows with increased rapidity after being fed off and flourishes on all kinds of soil.

In England we find that they are sowing this seed broadcast on their pastures with grass seeds, using about one pound of seed per acre, though if sown alone it should have about three pounds per acre. Not hardy in this state, but we have no doubt that it will be used very largely in the south for winter pasture, as it is the cheapest of any feed that we know of. We want to recommend this plant very highly to the poultrymen as it is of superior quality for their use. While, as stated above, three pounds of seed are sown to the acre broadcast, still it is much better to sow it in rows 18 inches apart and in this way one pound is sufficient for an acre. Immense quantities of this plant are also grown in England for selling on the market for greens and it is of superior quality for this purpose to almost any plant that we know of. Price per large pkg. 5c, ¼ lb. 20c, lb. 65c, postpaid. By express, 5 lbs. or more, 6c per lb.



THOUSAND HEADED KALE.

Mr. C. A. Zavitz, of Ontario, Canada, writes us that he has grown the Thousand Headed Kale for four years in Canada and it has produced 17½ tons per acre, and the people who grow it in his neighborhood prize it very highly for feeding purposes.

BLACK TARTARIAN OATS.

While at the Royal Agricultural Show in Cardiff, Wales, last year we saw a fine lot of English grown Black Tartarian Oats on exhibition there, and knowing there would be considerable demand for these from our customers we arranged for a stock. They have been grown for several years in this country, but the seed which we have been obliged to use has always been of inferior quality as it was impossible to obtain first-class stock, but our being on the ground has enabled us to obtain seed of quality far superior to any which we have ever seen before. This is the most hardy and most productive variety of oats that we know of; 442 grains have been grown on a single straw. It stools freely and grain is short and plump, of best possible quality. Our cut, made from a photograph, will give you some idea of the crop. The English farmer, Mr. Bennett, says: "I sowed nine bushels last year on three acres of land and they yielded 365 bushels. This is equal to about 122 bushels per acre." We believe that many of our customers will want to try them this year and although the expense of importation was quite heavy, we are enabled to offer them at the comparatively low price of 25c per lb., 3 lbs. 60c, postpaid. By freight, peck 75c, bushel \$2.25, 2 bushels or more @ \$2.10, 10 bushels or more @ \$2.00 per bushel. Stock is comparatively small so order early if you want them.



CROP OF BLACK TARTARIAN OATS.

From photograph taken in England showing great productiveness.

ASK FOR OUR PRICES ON CLOVER AND GRASS SEEDS.



ARCTOTIS GRANDIS—THE AFRICAN LILAC DAISY.

AMERICAN BANNER LARKSPUR.

This handsome flower originated on our grounds and was so distinct from all other flowers that it sprang at once into favor. The illustration represents a single stem showing how loaded the plants are with flowers. The name American Banner was given it because it is the only flower we know of that combines the national colors—red, white and blue in each flower. Plants grow to a height of about 2 feet, of good, regular shape, with delicate fern-like foliage, a vigorous grower, and it is not injured by dry weather. The plants are fairly loaded with long spikes of double striped and blotched flowers, having the various shades of pink, carnine, dark blue, purple and white, delicately and beautifully blended, sometimes four or five shades on a single floret. Pkt. 10c.

NICOTIANA SYLVESTRIS.

This is one of the handsomest of ornamental plants. It grows from 4 to 6 feet high, is of beautiful pyramidal form. The foliage is large and handsome. The flowers are pure white, star-shaped and have tubes about 6 inches long; they are produced with the greatest freedom and are sweet scented. Pkt. 10c.

COMMELINA SELLOWIANA.

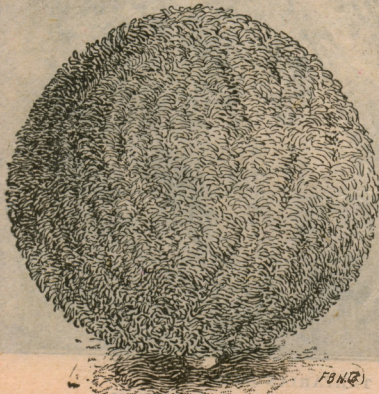
A lovely perpetual flowering "Wandering Jew," suitable for the garden in summer or for pots all the year. The flowers look like blue butterflies; blooms in a very short time from seed. Pkt. 10c.

CHRISTMAS TREE ASTER.

The plants grow about 15 inches in height, branching out freely and regularly, not upright like other Asters, but horizontal, thus suggesting the name. Flowers of medium size, perfectly double; 80 to 100 borne on each plant. Mixed colors. Pkt. 10c.

MEXICAN BURNING BUSH.

This we consider one of the most ornamental bor-



MEXICAN BURNING BUSH.

AMERICAN BANNER LARKSPUR.

der or hedge plants which has ever been brought out and it is sure to attract great 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.

HOLY THISTLE.

A strikingly handsome foliage plant known botanically as *Cirsium Marianum*. They are hardy annuals of robust, vigorous growth. The shining dark green leaves being marked with pure white veins and spots fabled to have been produced by a portion of the milk from the Virgin Mary having fallen on them. Flowers much larger and about the same color as the ordinary Bull Thistle. Per pkt. 10c.

BLUE BELLS.

Who has not heard of the "Bonnie Blue Bells of Scotland," renowned in poetry? Perennial. Pkt. 10c.

FLORAL NOVELTIES.

This year we devote four pages to Flower Seed Novelties. Every item named here is desirable. Most of them are very easily grown and we are sure that they will give satisfaction. Why not beautify your garden this year with some of these floral gems.

ARCTOTIS GRANDIS.

One of the finest floral novelties of the season. 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. See colored plate. Pkt. 10c.

ARABIAN RUNNER BEANS.

Undoubtedly most of our customers have seen the scarlet runner bean which makes such a fine climbing plant for covering porches and other places. While traveling in northern Germany the past season we found on the grounds of a prominent grower this new variety which is one of the most beautiful of the class. The vine is a rapid grower, starting quickly from seed and climbing with great rapidity and is soon covered with beautiful flowers, but instead of the flower being scarlet it is pure white, with a most brilliant scarlet center thus making a very showy plant. It blooms freely throughout the season provided the pods are removed to keep it from going to seed. Very large, long pods which are fleshy, tender and of excellent flavor for table use. Earlier bloomer than the Scarlet Runner. Pkt. 5c; 1/4 pt. 20c.

IMPATIENS SULTANI.

Also called Sultan's Balsam. One of the prettiest plants for pot culture and also out door planting in a half-shaded situation; are remarkable for long duration of bloom. This mixture contains many new shades of "cerise," dark violet, pink and carnine-rose. Of easy culture; seed should be started early in the house and transplanted to open ground about the middle of May. They produce a profusion of bright, waxy looking flowers. Pkt. 10c.

PRINCESS HELENE DO LICHOS.

One of the prettiest climbers. Of very rapid growth; it will grow to a height of 15 feet. Flowers are snow white, sweet scented and followed by cream colored pods which hang to the plants until late in the fall. Per pkt. 10c.

GOOD VENTURE GERANIUM.

Yes, you can grow good Geraniums from seed, and as they sport, the gardener is frequently rewarded by charming new varieties, and may obtain a novelty of much value, especially if this new strain of seed is used. When visiting the fields of a geranium specialist in California, we noticed one lot of several hundred plants which were particularly fine. The grower was hybridizing these for seed, and we made arrangements at once for the stock, paying more than a dozen times what ordinarily good seed would cost us. The plants from which seed was saved were the finest varieties from all parts of the world, including some particularly choice novelties as yet unnamed. They are giant flowering, the florets being round and of most perfect form and borne in splendid trusses, some of them forming balls of such immense size that we fear to state size lest our customers will think we are exaggerating. The colors are all shades of crimson, scarlet, salmon, pink, rose, snowy white, and the new aureole types with beautiful veining, shadings, edgings and clear eyes. If the seed is sown early they will make fine flowering plants the first summer, and the second they show their true quality and greatly superior types. Start seed in the hotbed or shallow boxes of rich soil in a warm, sunny window, covering only one-eighth inch in depth. As soon as large enough, transplant to small pots until the weather is quite warm, when they may be planted in flower bed for summer blooming. Per pkt. 15c.



GOOD VENTURE GERANIUM.

CAREFULLY READ THE COLORED PAGES OF FLOWER NOVELTIES.



DOUBLE SWEET PEAS.

DOUBLE SWEET PEAS

By years of hybridization and selection the new double flowered sweet peas have been produced, and they are not only beautiful but the flower is quite lasting. About half of the plants from this seed produce flowers which are double and semi-double. Our mixture contains all the best varieties yet brought out, white, rose, crimson, maroon, lavender, striped, etc. Be sure to try them. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c.

NEW IMPERIAL JAPANESE MORNING GLORIES.

Remarkable for the large size and exquisite new colors of the flowers, with magnificent foliage, often beautifully blotched. Of strong robust growth. The vines grow quickly to a height of 12 to 20 feet. The flowers are of gigantic size, sometimes measuring four to five inches across. The colors of the flowers, shadings and markings are really wonders of nature, of such incomparable beauty that descriptions are inadequate. Some flowers are of deep, rich velvety tones, others more daintily tinted and shaded than an artists brush could portray. Pinch back the vines so as to let them grow only four to six feet high, and they will produce more flowers. Choicest double and single mixed. Pkt. 7c; oz. 20c.

ELEGANT PALMS.

These for centuries have been considered exclusively for the rich, the plants usually selling at \$3.00 to \$100.00 each, and in some cases fine plants of the rarer sorts brought as high as \$1,500.00 each. It is now known, however, that they are easily grown from seed. Directions for growing printed on the packet.

LANTANIA BORBONICA.—This is the typical palm, and is more largely used than any other. Its strong, healthy habit commends it to all and gives it a fitness for window and room culture not possessed in the same degree perhaps by any other. It is the *Chinese Fan Palm*, from which the palm leaf fans of commerce are made. Per pkt. of 6 seeds 10c.

CHAMÆROPS EXCELSA.—From southern China and Japan. Very hardy. One of the very best plants for house culture in cool climates, forming a fine specimen, standing ill usage remarkably well. Per pkt. of 10 seeds 10c.

PHOENIX DACTYLIFERA.—A native of northern Africa. This is the palm from which the date of commerce is obtained. Beautiful for pot culture, and very hardy. Per pkt. of 10 seeds 5c.

WASHINGTON FILIFERA.—This is one of the best window palms needing no petting to succeed. Stands dust, dry air and lack of sunshine, and is very ornamental, with its elegant fan-shaped leaves of a rich, dark leathery green. Picturesquely fringed with long, thread-like filaments along the segments of the leaves. The plant succeeds with any treatment that will keep a geranium alive. Per pkt. of 12 seeds 5c.

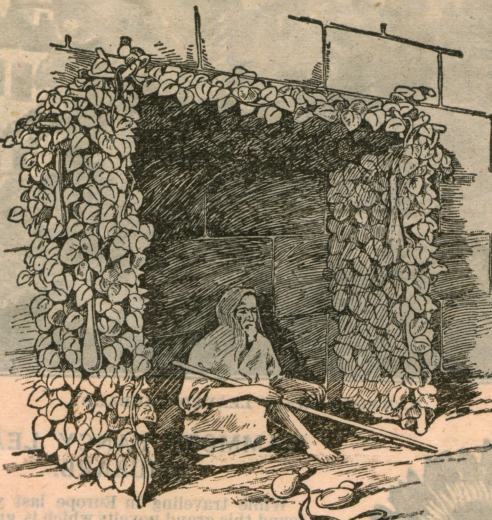
UMBRELLA PALM.—(*Cyperus*).—One of the most desirable semi-aquatic plants in existence, will do well with the same treatment as a geranium, in pots or the open ground. See description on page 117. Per pkt. of 10 seeds 10c.

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 necessary. Per pkt. of 3 seeds 10c.

A Grand Offer:—One packet each of the above six varieties for 35c. Plants of the Lantana Palm 25c each postpaid. Larger plants \$1.00 to \$5.00 each, by express, not prepaid.



LANTANIA BORBONICA PALM.



JONAH'S GOURD.

outbuildings, etc. Leaves are quite large, flowers are pure white, two or three inches in diameter and the fruits are of great length and make a curious ornament. We believe all flower lovers will want to try Jonah's Gourd, and we are therefore offering it in packets of 6 seeds for 10c; 3 pkts. for 25c.

\$20.00 PRIZE. We offer a cash prize of \$20.00 in gold for the longest gourd grown this year from this seed. Any one purchasing direct from us may compete. Stock of seed is limited however, so do not fail to order early.

TRIAL GROUNDS MIXTURE SWEET PEAS.

We test hundreds of varieties of Sweet Peas as new sorts are constantly coming out. This mixture is saved from trial grounds and contains a great assortment of newer varieties. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

SWEET SCENTED MAYFLOWER VERBENA.

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. The new Verbena Mayflower has all these characteristics, with the additional merit of possessing the same lovely and delicate pink and white coloring, making its flowers closely like the Arbutus; and, last, it has the same exquisite fragrance. This makes it one of the most fascinating flowers in cultivation. It was originated by Luther Burbank, who pronounces it one of his greatest achievements. Pkt. 10c.



JAPANESE MORNING GLORIES.

JONAH'S GOURD.

"And the Lord prepared a gourd and made it to come up over Jonah, that it might be a shadow over his head."—Jonah 4:6.

Two years ago one of our friends was traveling through 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 in our trial grounds and on our farm and we were much pleased with the 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,



SWEET SCENTED MAYFLOWER VERBENA

JONAH'S GOURDS HAVE BEEN GROWN TO THE REMARKABLE LENGTH OF 54 INCHES TRY A PKT., 10 CTS.



NEW DOUBLE CALLIOPSIS.

Every one who knows the old fashioned single Calliopsis or Coreopsis loves it, as it is one of the most showy flowers for bedding, and the colors are so brilliant that the popular name, "*Bright Eyes*," has been given them. It has for many years been a great favorite with thousands of flower lovers. What will you say now to having a new double Calliopsis? It is one of the most attractive flowers. They grow very quickly from seed, blooming in a few weeks after seed is sown, and if flowers are removed as they begin to fade the plants will be loaded with bloom throughout the summer and fall. In color it is brightest golden yellow, distinctly marked, striped and blotched, with rich dark brown. In some of the flowers the petals are smooth and lie flat, some are cup shaped, and others are beautifully fringed. Pkt. 10c.

PENTSTEMON GLOXINOIDES.

We have always thought very highly of the Pentstemon but when we saw this grand variety growing near Hartz Mts. in Germany we were surprised and delighted with it. It was truly grand and we purchased the stock at once. It is one of the most useful hardy perennials we know of and if sown fairly early will bloom the first year. Of graceful growth, having numerous large spikes of showy Gloxinia-like flowers 2 inches across, of many brilliant colors; blooms from June till October. Give rich soil and good culture. Pkt. 10c.

NEW MAMMOTH HELIOTROPE.

This most wonderful new Heliotrope ranges through all shades of violet and blue to deep indigo, frequently producing flower-heads almost white, which are more than twice the size of the old varieties, many of the heads measuring (when fully expanded) 10 to 12 inches across. The fragrance is simply lovely. Easily grown from seed, which should be started early in the house. Packet of 100 seeds, 10c.

DOUBLE CENTAUREA CYANUS.

The National Flower of Germany and celebrated as the late Emperor William's favorite flower.

Who does not know and love the old-fashioned Ragged Sailor or Bluets. This is a new double flowering variety of it. We offer the seed in mixed colors, light and dark blue, white, pink and red, dark red with light blue edges, white striped with red and blue, etc. A continuous bloomer. Pkt. 8c.

ROCKY MOUNTAIN FLOWERS.

Our mixture contains a great number of varieties of the flowers from the Rockies, and embraces many of the beautiful specimens which thrive and bloom in great profusion on the barren mountain sides. Pkt. 10c.

CELOSIA 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 silvery white; fine for the garden or growing in pots. Pkt. 15c.

HOHENZOLLERN ASTER.

A grand new pure white variety from Germany. Plant is of bushy habit, nice for beds; flowers are borne on very long stems, frequently 15 to 18 inches in length, and are of pure white color and extraordinary size, measuring 6 or 7 inches in diameter. The petals are long, curled and twisted, making a beautiful ball of white. Pkt. 10c.

AFRICAN WATER LILIES.

These have been quite popular during the past few years. They are easily grown and bloom in three or four months from the time of sowing seed. For persons who have no pond, half a barrel sunk in the ground is a nice receptacle to grow them in. Full directions for starting seeds and growing plants are sent with each packet. We can furnish either the red, white or blue varieties at 10c per packet. One packet each of the three colors for 25c. See bulbs on page 117.



MAMMOTH FANCY LEAVED RHUBARB.

MAMMOTH FANCY LEAVED RHUBARB.

While traveling in Europe last year we found this grand novelty which is grown exclusively for ornament and is one of the handsomest plants for the center of flower beds or specimen plants on the lawn that can be imagined. The immense leaves towering above a man's head give it a superb tropical appearance. Both stem and leaf are finely colored and few would suspect that it was a rhubarb. It is a perfectly hardy perennial and does not reveal its true beauty until the second season. It is truly strange that this grand novelty has not been introduced before. Pkt. 10c.

GIANT FANCY FLOWERED PETUNIA.

A grand new strain and unquestionably the finest selection of petunia in existence, as it is of incomparable beauty, size and luxuriance. Most of the flowers are exquisitely ruffled or fringed on the edges, and are of enormous dimensions (4 to 5 inches across), but their great merit lies in the unlimited varieties of colors, markings, veinings, 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 of the colors are rich and gorgeous and others are of lovely delicate shades. If you like beautiful petunias be sure to include this variety in your order. Produces very little seed and will therefore always be high in price. Worth about double its weight in gold. Pkt. 25c.



GIANT FANCY PETUNIA.



CELOSIA SPICATA.

TRY A LARGE BED OF GLADIOLUS, CANNAS OR PAEONIES THIS YEAR.

CAPRICE NASTURTIUM.

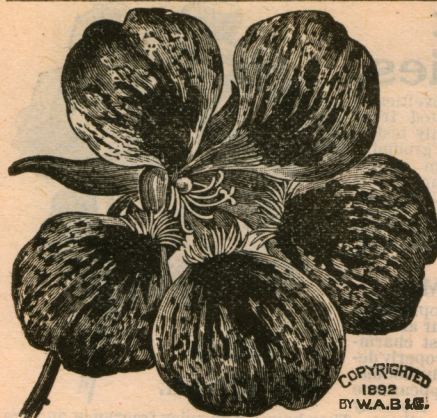
A profuse blooming, extra large flowered, climbing variety with beautiful dark foliage. The flowers are wonderfully rich and brilliant in markings—showing many combinations of coloring. It is appropriately named Caprice from its remarkable character of frequently having most varied colored flowers on a single plant. Sometimes more than a dozen different colors or shades of flowers will be produced on a plant at the same time ranging from a very light creamy yellow, through all shades of yellow and red to a dark, velvety maroon. Per pkt. 10c, oz. 35c.

FAIRY ROSES.

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

NEW RAINBOW PANSIES.

The best novelty in pansies and certainly the most charming variety ever sent out. We have given it the name of New Rainbow, and consider it very appropriate owing to its beautiful iridescent colors. Our illustration shows



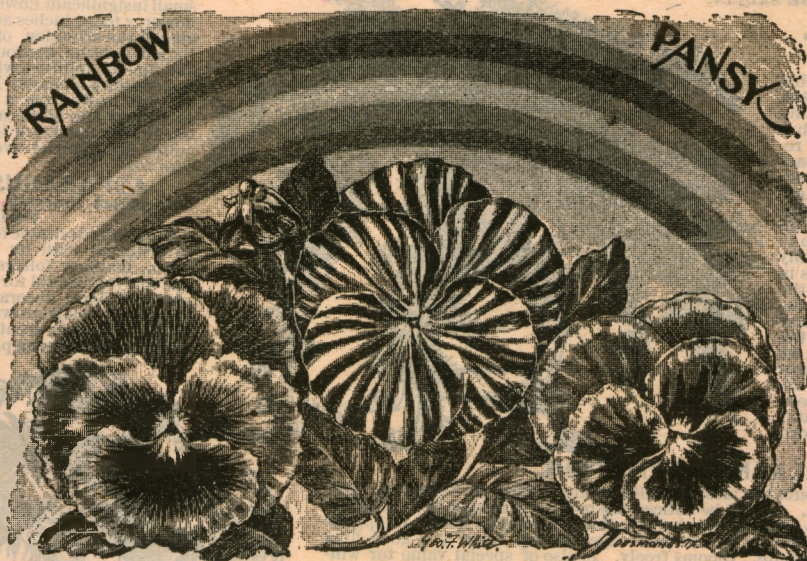
CAPRICE NASTURTIUM.

CURIOUS CACTI

Almost everyone who keeps house plants likes to have a few nice cactus. We furnish seed collected from the choicest varieties in Arizona, New Mexico, Texas, California and Old Mexico, as well as some foreign varieties and mixed together. Plant seed in a box of clean sand. Per pkt. 10c.

**CHINESE LANTERN PLANT,
(Or the Giant Scarlet Ground Cherry.)**

A remarkable novelty which is being widely advertised under various names, but its botanical name is *Physalis Franchetti*. The plant grows to a height of 18 to 24 in., of sturdy, upright growth and is loaded with balloon-like husks 3 to 3½ in. in diameter. These husks are at first light green, gradually turning to bright yellow and then to the most intense orange scarlet. At this period of growth the plant is strikingly suggestive of being hung with hundreds of miniature Chinese lanterns, as the bright scarlet husks have the appearance of lights in the midst of the green foliage. Inside of these husks is the fruit, which is of a deep, ruby red color and of excellent flavor either as a fresh fruit for dessert or preserving or dried in sugar for fruit cakes or puddings. It is a perennial, the roots living over winter in the ground and producing a far better crop the second year. Pkt. 10c. Strong plants 10c each, 3 for 25c, doz. 75c.



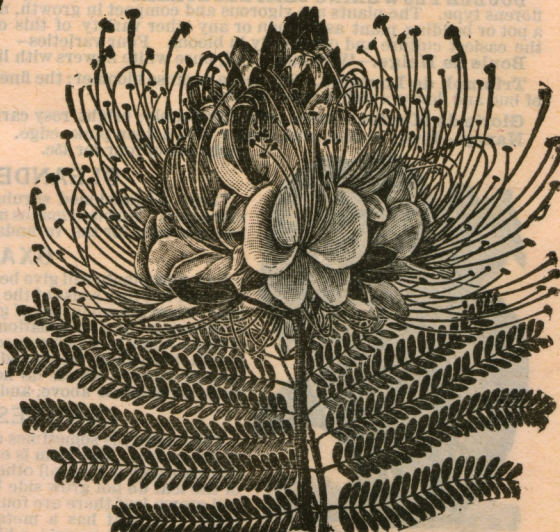
three of the leading FAIRY ROSES. types of this mixture by which you will see the various styles of variegation, but no illustration can do justice to its superior beauty. There is an almost endless variety of colors comprising all the shades of the rainbow—blue, purple, crimson, brown, yellow, pink, red, white and black, beautifully marked, striped, veined, margined and blotched. The colors are more beautiful than any painter could depict. In a good sized bed you can readily find one hundred different varieties, but not a poor or inferior one. The flowers are of large size and perfect in form, nearly circular and most of them have a very rich, velvety appearance. They will astonish and delight "pansy fanciers." Packet of 100 seeds 25c; large, strong plants of Rainbow Pansy, 50c doz. postpaid.



CHINESE HORN NUTS.

BIRD OF PARADISE FLOWER.

This plant properly known as *Poinciana Gillettii*, may be considered one of the wonders of nature, as it is of such curious and strange form. It is a rare plant and we presume but few of our customers have ever seen it in bloom. It attracted much attention on our place last summer. The flowers are large, about 2½ inches in diameter and are produced in very large trusses. They are of a rich golden yellow color, but the most attractive part is the large pistils, which are of beautiful bright crimson color and spread out in fan-shape. If the seed is started early, it will produce a profusion of blooms the first year. Per pkt. of 10 seeds, 10c.



BIRD OF PARADISE FLOWER.

CHINESE HORN NUTS.

A large and most singular appearing nut, resembling buffalo horns, which is known botanically as *Trapa Nutans*. It is a native of China. It is a swamp plant, and will grow well in a jar of water. The nuts sprout in about ten days. Can be grown in an aquarium. We offer them in pkts. of 4 for 15c.

BE THE FIRST IN YOUR NEIGHBORHOOD TO GROW THESE NEW VARIETIES OF FLOWERS.

Flower Plant Novelties.

This year we offer many valuable novelties in flower plants which have been collected from various parts of the world and thoroughly tested in our own greenhouses and on our trial grounds. Descriptions were carefully made from nature and we are sure all will please our customers. In our general list, on pages 100 to 124, will also be found many valuable novelties in this line. Plant orders should amount to at least 2 cents. You may select plants amounting to \$1.20 for \$1.00, \$2.50 for \$2.00, \$7.10 for \$5.00, postpaid.

DOUBLE NASTURTIUM.

Did you ever see one? Very few people have, but we have a fine lot of them this year and are offering them at a low price. It is a most charming novelty which is really difficult to properly describe. The flowers are large and fully double, which gives them a very different appearance



Double
Nasturtium.

from any others. They have a rich spicy fragrance and are of a rich dark orange crimson, with shading of 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 a strong vigorous grower of climbing habit, and fine for trellises, window boxes, vases, etc. It is a constant bloomer. Never produces seed. Our cut was made from a flower left on the plant out doors very late in the season and does not do justice to it as the flower is usually so double that the petals lay flat and overlap each other. Each 15c, 4 for 50c.

ASPARAGUS SPRENGERI.

Also called Emerald Feather and Abyssinian

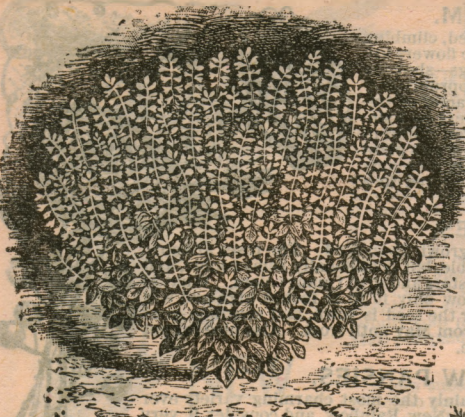
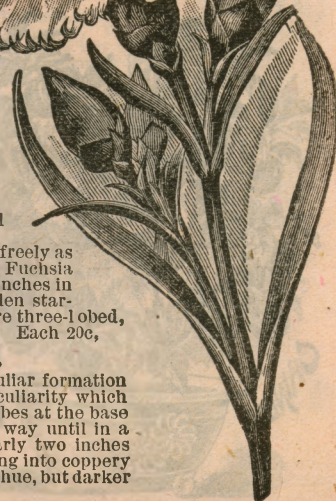
Parlor Fern. Especially desirable for pots, vases, baskets, etc.; covering all with its beautiful sprays of lovely green, feathery foliage, which can be cut freely, and are very useful for bouquets, wreaths, and all kinds of floral decorations. A strong, vigorous plant, very easily grown, requires but little care. White, delicately scented flowers. Each 15c; larger size 25c, extra strong plants 40c.



ASPARAGUS
SPRENGERI



Alaska
Carnation.



MRS. C. N. PAGE SALVIA.

A NEW SALVIA.

MRS. C. N. PAGE.

A novelty for 1903. This grand variety which originated on our place is a sport of the old sort called "Bonfire," but is far superior to it in every respect. It is of dwarf, compact habit forming neat little bushes only 18 inches high and entirely covered with large fiery scarlet flowers of a most intense shade. It blooms two to four weeks earlier than any other variety and continues in bloom until killing frost in the fall. As Salvias are now becoming one of the most popular of bedding plants, taking the place of scarlet geraniums, we predict a great run for this new sort. Heretofore the only objection to Salvias has been their late blooming, but that is now overcome in this new sort. Each 15c, doz. \$1.50.

ALASKA CARNATION.

This variety is beyond doubt the most beautiful white variety in existence. Our cut shows its peculiar form. As will be noticed the petals are fringed in a delicately regular manner and curves inwards thus helping the large double flower to appear still more double. The flower is of enormous size, perfect form, has good firm calyx and is of pure snowy white. Blooms freely. Is also of special value for winter blooming in the house. A strong, vigorous, erect grower and promises to become very popular. Each 15c.

ORNAMENTAL JAPANESE PEPPER.

In Japan this small brilliant colored variety is highly valued as a pot plant and has attracted much attention in our greenhouses. The plants are loaded with hundreds of small peppers of many colors, green, yellow, violet, red, blue, etc. Ea. 15c.

NEW BEGONIAS.

DOUBLE FLOWERING SEMPERFLORENS.—A new departure in the semperflorens type. The plants are vigorous and compact in growth, making fully as good a pot or bedding plant as Vernon or any other variety of this class. They are of the easiest culture and constantly in bloom. Four varieties—

Boule de Neige.—With large, full, pure white flowers with light yellow stamens.

Triumph de Lorraine.—Scarlet; a profuse bloomer; the finest of the four; color of bud and flower a rich, bright scarlet.

Glorie de Montet.—Rose; perfectly double; bright rosy carmine.

Nancy.—Pink; a clear pink center with a deep pink edge. Any of above 15c each; set of four for 45c.

OLEANDERS.

These old-fashioned shrubs are becoming popular again. No plant makes more handsome specimens in tubs for the veranda or yard. Each 25c.

OXALIS, ORTGIESI.

Few new plants will give better satisfaction than this, as it is a perpetual bloomer in every sense of the word. It is full of bloom every day in the year when grown in pot of good soil and with ordinary care. It grows as freely as a geranium in any situation. It is a shrubby plant, like a Geranium or Fuchsia without bulbs, in which respect it differs from other Oxalis. Grows 12 to 18 inches in height, branching freely and loaded at all times with clusters of bright golden star-shaped flowers, which do not close at night like other Oxalis. Leaves are three-lobed, dark, olive green above, and shining metallic crimson purple underneath. Each 20c.

COUNTESS LOUISE ERDODY BEGONIA.

This variety is sometimes called "Snail Begonia" on account of the peculiar formation of the leaves. The form is exceedingly odd and unique. The striking peculiarity which distinguishes it from all other Begonias consists in the fact that the two lobes at the base of the leaf do not grow side by side, but one of them winds in a spiral-like way until in a full grown leaf there are four of these twists lying on top of the leaf nearly two inches high. The leaf has a metallic lustre, dark silvery in the center, shading into coppery rose toward the margin, which is broadly and evenly edged with the same hue, but darker and more brilliant. Very curious. Each 25c.



LOUISE ERDODY BEGONIA.



CLERODENDRON BALFOURI.

WHITE PHENOMENAL FUCHSIA.

Most of our patrons are acquainted with Fuchsia phenomenal, and know what a very desirable variety it is. This variety is fully as large, sometimes three inches across, and the flowers are double white, veined at base with carmine. Tube and sepals bright carmine. It is of strong, robust habit, the flowers being borne in the greatest profusion, and it may be called a perpetual bloomer. These flowers have been grown to the size of a small tea cup and plants are so full of handsome blooms as to resemble a perfect ball in shape. You will be amazed at the rare qualities possessed by this magnificent Fuchsia for words cannot convey half the beauties of this floral gem. Never out of bloom, and weighed down with flowers. Each 15c.

CYCAS REVOLUTA.—Sago Palm.

These are magnificent plants of noble and majestic habit, and most impressive. They are probably the most valuable decorative plants grown, both for lawn and house decoration; their heavy, glossy, deep green fronds resist alike the gas, dust and cold, to which decorative plants are frequently exposed. In young plants the stem is bulb-like, but develops into a stem or trunk as it grows older. The leaves, which are like fern fronds, are remarkable for their great beauty, which is retained for years, as the leaves do not die and drop off every year. Strong young plants 6c. each, postpaid. Large specimen plants \$1.00 to \$5.00 each, by express, at purchaser's expense.



PEACHBLOW HIBISCUS.

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 often bearing several clusters. A strong and rapid grower; can be grown with success as a pot plant in the house or planted as a summer climber in the garden. 10c each.

THE FAIRY WATER LILY.

Leaves strikingly like a Water Lily, but of a yellowish color, with darker veins, dark purple underneath and curiously rough and pitted. Its flowers, which are produced freely the year round, are white with a yellow center like miniature Water Lilies, and curiously borne on the same stem which bears the leaves. Will grow in either deep or shallow water, and is a charming plant for the aquarium. Our cut gives a very poor idea of what a pretty thing it is. Nice plants, 10c each, 3 for 25c.

**ROSES**

Of course you have noticed the collection of beautiful roses on the front cover of this catalogue. Don't fail to read the descriptions on second page of cover. They are the best novelties of the season and we offer the collection at a very low price.

We Ship Everywhere:—

May 25.—Plants arrived safe and sound and are growing finely.—*Jacob Steucke, Albuquerque, N. M.*

Plants arrived this morning. They could not have been in better condition and they were perfectly satisfactory.—*Mrs. J. T. Robnett, Deer Park, Missouri.*

The shipment of plants arrived yesterday and everything was in perfect order. The rhubarb had made so much of a growth that we had a sufficient amount to make us a pie. The berry plants were sprouted and in good condition, and the moss in which they were packed was quite moist. I desire to thank you for the care you took in filling my order.—*Eva H. Field, Seoul, Corea, Asia.*

PHRYNIUM**VARIEGATUM.**

One of most satisfactory variegated leaved foliage plants we know of. Somewhat like a canna in habit of growth; leaves of oblong lanceolate form, in color, clear pale green, beautifully variegated with white and pale gold. Markings much varied. It thrives in sun or shade, in pots or open ground. Tuber starts quickly and grows well; plants prove very ornamental. Each 15c; doz. \$1.25.

WHITE PHENOMENAL FUCHSIA

ALTERNANTHERA S.—A bright colored, dwarf growing foliage plant, largely used for carpet bedding, borders, etc. Four varieties. Each 10c; doz. 75c.

NEW PEACHBLOW HIBISCUS.

This is one of the finest free flowering plant novelties offered in recent years. It is a "sport" from the double red Hibiscus Rosea-Sinensis; the flowers are double and from four to five inches in diameter; of a charming, rich clear pink color, with a small deep crimson center; an entirely new and most beautiful shade. It blooms abundantly and continuously, even on small plants, during the entire summer and fall months; may be easily wintered in the house. Large plants, two to three years old, make a magnificent show. It will give great satisfaction to all who grow it, either in pots or planted out in the garden. It is a good winter bloomer. Each 20c.

NIGHT BLOOMING JASMINE.

World famous, deliciously fragrant Night Blooming Jasmine (or Jessamine) about which poets have sung and over which tourists, in its native land (Chili), have gone into ecstasies and yet how few, comparatively, in our own country have ever seen it. It is of the easiest culture and still somewhat difficult for the ordinary florist to propagate and perhaps this is the reason why they are not better known. It is a plant of strong, shrubby growth with handsome glossy green foliage and bears an immense number of small star-shaped flowers. One plant on our place this year had at one time fully 3,000 flowers and you can well imagine that it was a grand sight as the plant was about three feet high, and thirty inches in diameter. The delightful fragrance is dispensed only at night and this makes the flowers of great value for ladies' wear. It is specially adapted to house and window culture as it begins to bloom when very small and continues to blossom freely as it becomes larger. Also does well in a partly shaded place. Don't fail to try it, ladies, if you want something nice. It will please you. Each 15c, 3 for 40c.



NIGHT BLOOMING JASMINE.

A NICE BED OF CANNAS WILL GIVE UNEQUALED SATISFACTION.

SHASTA DAISY.

THE Shasta Daisy is one of the most marvelous productions in the flower line that has ever been brought to the notice of floriculturists. It is the first of a new type, combining the Japanese, American and European strains selected to produce this wonderfully beautiful and useful strain. Its first qualification is hardiness; it can be grown out of doors by anybody where it is not cold enough to kill oak trees. Second, it is perennial, blooming better and more abundantly each season. Third, it can be multiplied rapidly by simple division, and it is not particular as to soil. Fourth, it blooms for several months. Fifth, the flowers are extremely large and graceful, averaging about 4 inches in diameter, with three or more rows of petals of the purest glistening whiteness, and are borne on single, stiff, wiry stems, nearly 2 feet in length. Sixth, the blooms when cut remain perfectly fresh and in good condition for two weeks or more. No other flower can compare with it in usefulness. It originated with Luther Burbank, the "wizard of horticulture." We predict that it will soon find a place in every garden. Strong plants, each 15c; dozen \$1.50.

BOSTON FERN.

This is a wonderfully healthy, rapid growing and graceful house plant. It has been in great demand everywhere. Many people buy it in preference to the finest Palms or Rubber Plants. Its long, broad fronds are more graceful than the old Sword Fern and seem to grow faster. Thrives in all rooms, gas or furnace heat do not seem to injure it. It is one of the most beautiful and useful of house plants. It is of easy culture and its sword-like fronds, on large specimens, attain a length of 5 to 6 feet, produced in a bewildering mass, arching, curving, and interlacing in every conceivable direction. Each 15c.

NEW CHRYSANTHEMUMS.

COL APPLETON.—If you only have one yellow "Mum," let it be Appleton. It is a perfect model of the commercial Chrysanthemum. Dwarf, stiff stemmed, elegant in foliage, enormous in bloom, finely incurved and golden yellow. Perfectly healthy. Each 15c.

YANARIVA.—The sensation of last season's flower shows. Resembling, but far surpassing the prize winners for two seasons past. Flowers immense, often measuring 8 to 9 inches through. Color delicate bluish, deepening at center. A splendid variety for pot culture. Each 15c.

YANOMA.—One of the finest late white Chrysanthemums yet introduced. Flowers extra large and well formed; foliage luxuriant, an ideal grower either for cut flowers or pot culture, and can be had for Christmas. Each 15c.

VARIEGATED SAMBUCUS.

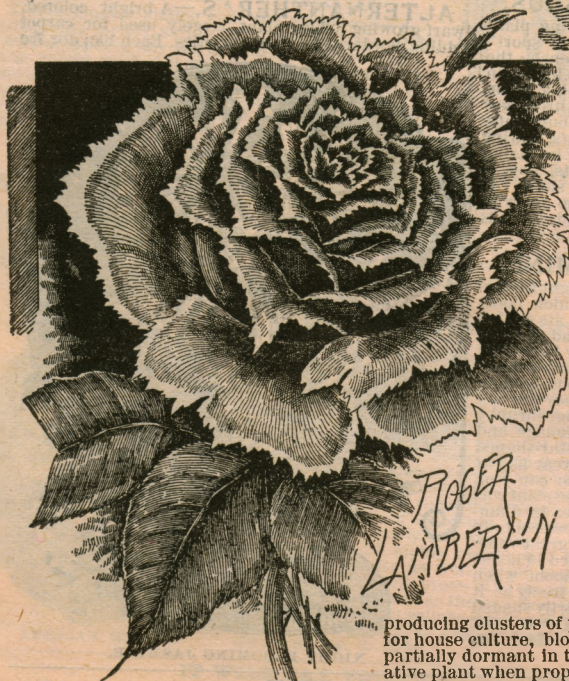
One of the finest hardy shrubs for lawns or borders. They are large rampant growers, and therefore require frequent trimming. Leaves are beautifully marked with silvery white and creamy yellow. Strong plants each 15c.

DRIVEN SNOW ABUTILON.

The finest pure white variety that has ever been offered. Flower is very large, wide open and as white as the driven snow. Plant is fairly loaded with bloom and we consider it one of the most charming sorts ever offered. Each 20c.

ROGER LAMBERLIN ROSE.

Notice the illustration of this grand novelty on the front cover of this catalogue. It is undoubtedly one of the most remarkable Roses yet offered. The petals are irregular on the edges like a double Petunia; the color is glowing crimson throughout, except the edges of the petals, which are all distinctly marked with a white band, forming a sharp contrast and the most unique combination of colors known in Roses. The growth is free and vigorous, and the fragrance is delightful, equal to the finest of the hardy Roses. This is a novelty of the most striking order. Each 20c; 3 for 50c.



SHASTA DAISY.

DAHLIA, KING OF FANCIES.

Hundreds of persons were delighted with this elegant new variety which has well been named King of Fancies, as it is a truly a fancy flowering sort of striking beauty. Color is almost indescribable, being most elegantly marked, striped and blotched with crimson, scarlet, pink, etc., on a pure white ground. Everyone should try it. Each 25c.

HELEN GOULD ROSE.

This is probably the most beautiful and satisfactory Rose for general planting ever introduced in America. It has proved itself to be the strongest growing, and freest-blooming, largest-flowering hardy rose in existence. It is a better rose for general planting than American Beauty—the dream and hope of every rose grower for years past. The flowers are full and perfectly double, the buds beautifully made, long and pointed. Color is a rosy crimson. One of the best for winter blooming. Each 15c, extra large 40c.



BOSTON FERN.

MRS. ROBERT PEARY ROSE.

This is without doubt the grandest of all white climbing roses. It is as hardy as any Hybrid Perpetual or Moss Rose, and will withstand, unprotected, the most severe winters. Flowers extra large, full, deep and double, and are produced on long, stiff stems, like a forcing or cut-flower rose. The buds are long and pointed, exquisitely modeled and gracefully finished. Both in bud and flower it is truly beautiful. It has a fragrance that is delicious, just like cherry blossoms. An absolutely hardy, climbing, sure-to-bloom rose. Be sure to get this wonderful variety. Each 20c; dormant 50c.

STELLA GURNEY AGERATUM.

It is undoubtedly the finest Ageratum yet introduced. Color a deep even blue and literally forming a sheet of bloom all summer. Dwarf and compact in growth. One of the best bedding plants to date, and equally valuable for baskets and vases. Each 15c.

BOUGAINVILLEA SANDERIANA.

This beautiful free-flowering variety is very popular, especially as a plant for easter. 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 25c.

STEPHANOTIS FLORIBUNDA.

One of the most charming hothouse climbers, growing rapidly, with long, deep-green foliage, and producing clusters of pure white, deliciously fragrant flowers. Does finely for house culture, blooming all summer. It is not hardy, but should be kept partially dormant in the house during the winter. A really beautiful decorative plant when properly trained on trellis and a plant rarely seen. Each 25c.



STEPHANOTIS.

NEW GIANT FLOWERING CALADIUM.

In general appearance this plant somewhat resembles the common Caladium (*C. Esculentum*), but is entirely distinct, being much larger and grander. Leaves three times as large as any other Caladium, having a heavy leathery texture, and a bright, glossy-green color, with metallic luster which is remarkably handsome. It does not produce a bulb, but is increased by suckers, and is perennial. The leaf stalks are strong and tall, holding the mammoth leaves well above the ground. Leaves 3 to 5 feet long, by 2 or 2½ feet broad; perfectly immense, and make a plant which for tropical luxuriance has no equal. Added to the wonderful foliage effect are the mammoth lily-like blossoms. The flower resembles a giant calla and remains open three days and nights; the first two days it is of the purest snow white, the third day it changes to a pale yellow. It is of the easiest culture, enduring adverse conditions well and the leaves attain a great size even in small pots. Strong, well rooted plants, each 30c.

PEPPERMINT GERANIUM.

This is a rare variety of scented geranium, and in fact few would think that it belonged to this class of plants. Plant is of trailing, Leaves large, thick, velvety and have an appearance as if covered with it. Has a refreshing peppermint fragrance. Everyone will be pleased



OLD MAN CACTUS.

OLD MAN CACTUS.

This famous variety is one of the greatest curiosities of plant life and attracts much attention and surprise. It derives the name given above from the large number of long silvery white hairs, which cover the upper portion of the stem and impart a peculiar resemblance to the hoary head of an aged man. The hairs are several inches long and droop gracefully down, hiding the plant from view. Price 75 cents each; larger plants \$1.00; \$1.50 and \$2.00 each.

THUNBERGIA FRAGRANS.

Magnificent perennial variety from India, of slender, graceful climbing habit, deep green waxy leaves, which are cordate at the base. Its crowning feature, however is its flowers of pure waxy whiteness. Each 20c.

WM. LANGGUTH GERANIUM.

This new silver-leaved geranium is one of the handsomest varieties which has been brought out for many years. The plant is of 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

the most free flowering of any fancy foliage variety, and just think of it, the flowers are double, and this makes it a decided novelty. Clusters are extra large and of bright red color, shows magnificently against the white foliage. Each 2fc, 3 for 6c.



WM. LANGGUTH GERANIUM.



GIANT FLOWERING CALADIUM.

spreading habit, soon covering a large space, with minute hairs of grayish green color. Has a refreshing peppermint fragrance. Everyone will be pleased with it. Each 20c.

CHAMELEON GERANIUM.

This charming novelty was first sent out a number of years ago, but owing to its being slow of propagation the stock was nearly lost and it has not been prominently offered recently. Our stock is not large this year, but we hope to have sufficient to supply the demand. When first introduced it 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 shown by our illustration. Some flowers are red, some white, some pinkish salmon, and some clearly striped with the three colors. Frequently one plant will have on it flowers of all these colors at the same time. Other plants will bloom for months showing only one of the colors, then suddenly changing to some other hue. It is a free bloomer, bearing many trusses of large single flowers. The name Chameleon was suggested by its peculiar manner of changing color. Every one who grows Geraniums, and that means almost everybody, should try it. Each 25c.

**CZAR HELIOTROPE.**

This new giant flowered sort is a dwarf growing variety, with black stems and enormous panicles of dark velvety violet flowers. Color is very rich and is sure to please. Each 15c.

CZARIANA HELIOTROPE.

A fine companion for the above. It grows a trifle taller and bears an enormous truss of deep indigo blue flowers with clear white eye. Each 15c.

GOLDEN LEAVED HONEYSUCKLE.

A remarkably pretty little vine bearing a great number of sprays of the most perfect little leaves that are covered with a net-work of gold and green, often marked with pink also. The gold deepens at the tip of the sprays and there is nothing finer to combine with corsage bouquets, while for trimming floral baskets they are the finest thing we know of. A strong grower with white blossoms. A unique vine. Each 10c.

NEW GERANIUMS.

These new Geraniums are the best of the recent introductions and are of surpassing beauty

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; habit dwarf, compact, very vigorous and exceptionally free blooming. Each 15c.

MARQUIS DE CASTELLANE.—One of the most distinct and beautiful of the recent introductions. The flowers are very large, perfect in form and borne in large trusses, and are profusely produced. The color varies from a brilliant cerise to a bright cherry red, with brilliant carmine shadings. The habit is strong and vigorous. Each 15c.

ANDREW LANG.—Color, glowing scarlet, with pure white blotch on the upper petals. The individual floret is perfect in form; the trusses are immense and borne in the greatest profusion. Each 15c.

HALL CAINE.—Fine large trusses, produced in great profusion, held high above the foliage; individual florets immense, 2½ to 2¾, and occasionally 3 inches in diameter; color, bright cherry-red; the habit is dwarf and compact, and exceptionally valuable as a pot plant for exhibition purposes. This is a striking flower, its telling color and immense size attracts universal attention, it is also a fine vigorous grower; foliage, light green, with a light zone of deeper green. Each 20c.

RICHMOND BEAUTY.—A very brilliant scarlet crimson, with large white feathering on the two upper petals; floret of very fine rounded form; colors very clear and striking; an extremely showy single novelty. Each 15c.

Set of Five New Geraniums for 60 Cts.

PONDEROSA LEMON.

Nothing that has ever been brought to our notice in the plant line has 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 up to the ripe fruit, showing it to be a true ever-bearer. Blossoms waxy white and as fragrant as orange blossoms. Fruit has been taken from this tree weighing over four pounds. The lemons have 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 lemon pies from one lemon. Ponderosa Lemon is sure to become popular when it is known. It fruits when quite small, and makes a lovely house plant. Everybody can grow their own lemons; it will fruit freely the second year. Each 20c.

PASSION FLOWER.

One of the most desirable of all climbing plants. Will climb up a trellis 10 or 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 shades. The form of the flowers, though much reduced in size,

is well shown in the engraving herewith. It is better to take plants in the autumn, but if left out a light covering of leaves or garden litter should be put over the roots before severe freezing to keep them from injury. Each 15c.

MT. PELEE GLADIOLUS.

This novelty in Gladiolus was originated by Mr. John Kurtzweil, the noted gladiolus specialist of this city, from a carefully made cross of older sorts. We consider it the best bright red variety ever offered. The spikes are unusually large and filled with immense flowers, sometimes 10 or 12 open at one time. The flower is of the most intense flame red color, exceedingly brilliant and has therefore been aptly named, after the noted volcano, Mount Pelee. Everyone who grows Gladiolus should try it. Each 15c.

BLUE MARGUERITE DAISY

(*Agathaea Coelestis.*)

A strikingly beautiful flowering plant that should be found in every flower garden. The plants grow about 1½ feet high, of branching habit, producing an abundance of clear sky blue flowers. It makes a very pretty object for summer decoration in the garden, and is equally desirable for the house in the winter, grown in pots or window boxes. Plants are fairly loaded with the flowers which are very desirable for cutting. Each 10c.

June 6—Plants arrived in good shape and I am much pleased with them. Thank you for the extras.—Mrs. A. E. C. Gilmore, Crafton, Penn.

April 12—The roses and plants came to hand in fine condition.—Frank H. Owen, Marion, Ohio.

ROUGH RIDER STRAWBERRY.

If you only knew the enjoyment you would have from a bed of strawberries we are sure you would delay no longer. A bed 6x10 feet will accommodate two dozen plants. This grand new variety has proved to be one of the most vigorous growing and productive varieties ever sent out and of excellent keeping qualities thus making it of great value for shipping. The fruit is very large and although somewhat irregular in shape is attractive and of most excellent quality. Price 10c per dozen; 2 doz. 75c; 10, \$2.25 by mail, postpaid. By express, not prepaid, per 100, \$1.75.

HAYMAKER RASPBERRY.

Undoubtedly the finest raspberry yet introduced. It is a purple cap, not so dark as Shaffer or Columbia, but more of a red color and much larger and firmer than either of these varieties; don't crumble, stand up well in shipping, the quality is excellent, either on the table fresh, or canned, it produces very large crops, stands drought or extreme cold splendid, makes strong, healthy plants from tips, sends up very strong, healthy canes. Its points of superiority are hardiness, vigorous growth, productiveness and quality. It is the most productive raspberry, red or black, we ever saw, and beats anything for standing dry, hot weather we know of. It was a wonder, for fruit, to everyone who saw it. Each 25c, dozen \$2.00.



PONDEROSA LEMON.

VINCA MAJOR ELEGANTISSIMA

One of the handsomest vines in existence for growing in window boxes, hanging baskets, trailing from pots, rockeries, etc. Our cut does not do it justice. 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 the easiest culture, will stand neglect and mistreatment and grow very rapidly. Does well either in a sunny place or in shade. Blue flowers. We most highly recommend it. Each, 10c; large size, 25c.

TREE AND HEDGE SEEDS.

VARIETY.	BY MAIL POSTPAID			By Exp., 5 pounds or more @
	Ounce.	¼ lb.	Lb.	
Apple.....	.10	.25	.75	.50
Ash, White.....	.10	.20	.60	.40
Box Elder.....	.10	.20	.60	.40
Catalpa, Hardy.....	.1	.25	.80	.65
Locust, Black.....	.10	.25	.75	.60
Locust, Honey.....	.10	.25	.75	.60
Mulberry, Russian.....	.35	\$1.00	\$3.25	\$8.00
Osage Orange.....	.10	.20	.60	.45
Tree of Heaven.....	.10	.25	.75	.60

All of the above seeds 5 cents per packet.

A NEW GRAPE.

LUCILE.—This most promising new variety which is shown in colors on the back cover of this book, is we think the finest red variety ever offered. It is a seedling of Wyoming Red, with which it has much in common—as color, quality, season, health, hardiness and appearance of leaf and wood, but the vine grows to twice the size of Wyoming Red, and yields triple the fruit in both size and quantity. The Lucile ripens early, between Moore's Early and Worden, and is of a beautiful bright red color, large and compact as Worden and nearly the same shape. Its skin is thin but tough, and it is therefore a good shipper. It never drops its berries and the fruit is of sweet delicious flavor. The Lucile is a most vigorous grower and enormous bearer, equal to the Niagara in this respect, but it ripens up all its wood to the tips, under a load of fruit, where the Niagara would not ripen over one-half. It has never been known to winter kill and is probably as hardy as any variety in America. The Lucile will, one season with another, yield as many tons to the acre as either the Concord, Worden or Niagara. It has often borne four large clusters on a single shoot. We recommend it for both amateur and market culture, but particularly for the latter. The Lucile is a grand good grape for the extreme north, where early, extra hardy varieties are needed. Each 50c; doz \$4.00.



VINCA MAJOR ELEGANTISSIMA.



LUCILE GRAPE.

PLANT ROSES THIS YEAR, PLANT LOTS OF THEM. NOTICE OUR LIST.

ECONOMY
In The Garden.

\$1.00 Collection

BARGAINS
In Garden Seeds.

OF The Best Garden Vegetables. Thirty-Five Varieties!

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 GARDENERS' BEET, HENDERSON'S SNOWBALL CAULIFLOWER, WASHINGTON WAKEFIELD CABBAGE, SHORT STEM DRUMHEAD CABBAGE, OXHEART CARROT, GOLDEN SELF-BLANCHING CELERY, EARLY SUNRISE CORN, COUNTRY GENTLEMAN 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 WETHERSFIELD ONION, MAMMOTH PRIZETAKER ONION, NOTT'S EXCELSIOR PEAS, EARLY SCARLET GLOBE RADISH, PERPETUAL WHITE SUMMER RADISH, IMPROVED TABLE GUERNSEY PARSNIP, RUBY KING PEPPER, EARLY CROOKNECK SQUASH, LONG STANDING SPINACH, MAMMOTH SANDWICH ISLAND SALSIFY, MARKET GARDENERS' PARSLEY, WHITE'S EXCELSIOR TOMATO, MATCHLESS TOMATO, WHITE EGG TURNIP, PURPLE TOP STRAP LEAF TURNIP, MONARCH RUTA BAGA, AND VINE PEACH.

It is a
BARGAIN!

Total 35 full sized packets sent postpaid for \$1.00; at regular catalogue price they amount to \$2.00.

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

Can One Dollar be
Better Invested?

WAGON LOADS OF FLOWERS.

Flowers For Everybody.

PRICE VERY LOW.

NO TROUBLE TO SELECT.

40 for \$1.00

**Complete
Garden
Collection.**

Consisting of one full sized packet each of Ageratum, Mexicanum, Aster, all kinds mixed, Alyssum, Antirrhinum, giant, mixed colors, Balsam, choice mixed, Calliopsis, Golden Wave, Candytuft, best mixed, Chrysanthemum, mixed varieties, Canary Bird Flower, Canna, Crozy mixed, Cockscomb, Calendula, Cypress Vine, Dianthus, all kinds mixed, Eschscholtzia, Geranium, Grass Pink, Godetia, Gailardia, Heliotrope, Hollyhock, Larkspur, Morning Glory, Mignonette, Marvel of Peru, Ice Plant, Nasturtium, Imperial, Petunia, fine mixed, Portulacca, Grandiflora, Pansy, Imperial German, Poppy, all kinds mixed, Phlox, Grandiflora mixed, Ricinus, Sensitive Plant, Salpiglossis, Varieined, Sweet Peas, Perfected Mixed, Sweet William, Scabiosa, Stocks, Dwarf German mixed, Verbena, choice mixed, Zinnia, fine double mixed. Total 40 packets for \$1.00.

20 for 50c
**Popular
Collection.**

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

12 FOR 25c.

BARGAIN COLLECTION

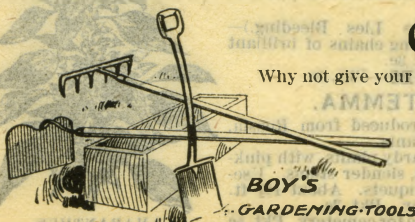
**OUR 10 CENT
TRIAL COLLECTION**

Consists of one packet each of Aster, Balsam, Cypress Vine, Eschscholtzia, Mignonette, Petunia, Phlox, Pansy, Pink, Sweet Peas, Verbena and Zinnia.

Consist of one packet each of Balsam, Candytuft, Pinks, Mignonette, Pansy and Sweet Peas.

THESE COLLECTIONS CANNOT BE CHANGED OR DIVIDED.

YOUR ATTENTION, PLEASE! We want to make these collections popular with our customers, and can assure you, all the varieties named in them are desirable, and the seeds are just as fresh, pure and good as any ever offered. The varieties in the different collections do not duplicate with each other. **AN EXTRA.**—In addition to the sorts named we will send free with each collection one packet of some desirable new variety which is not listed in our catalogue this year.



Children's Gardening 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 a 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 about 22 inches. Price, set only 40 cents.
- NO. 2. Larger and much better tools. Price per set 25 cents.
- NO. 3. A really serviceable and desirable set. Used also by many ladies for working in their flower beds. Price per set 50 cents.

NOTICE.—POSITIVELY NO DISCOUNTS NOR PREMIUMS ALLOWED ON ABOVE SEED COLLECTIONS.

FLOWER SEEDS.



I LOVE FLOWERS. DON'T YOU?

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 all 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 greenhouses on these grounds are a revelation of beauty which surprises everyone. All who truly love the beautiful and prize all things new and valuable in the floral kingdom, will be interested in the following pages, and also in looking over the flower plant and bulb list. Don't fail to notice also the novelties listed on the colored pages of this book.

Our flower seeds are all fresh and we know they are unsurpassed. Quality is always the first consideration. Our mixtures are mainly made up by ourselves from named varieties, or from growing a large number of the best named varieties together, and will yield a better assortment than is commonly found. This year we list all the varieties alphabetically together—annuals, biennials, perennials, climbers, everlastings and ornamental grasses, but we mention in the description the class they belong to if they are not annuals. This will make it easier to find any sort named.

DIRECTIONS FOR SOWING, ETC.—To insure success the conditions and requirements of the several species as to soil, moisture, heat, etc., should be studied and then observed in culture. Below we give a few general directions for their culture, though more complete directions will be found printed on many of the seed packets. The soil best adapted to most flowers is light, rich loam, containing enough sand to make it porous. If there is some clay with it the colors will be brighter. Make the surface as smooth and fine as possible, sow seeds in rows, covering each sort of seed in proportion to its size (a good general rule being to cover twice the diameter of the seed) and press the soil down firmly over it. Do not plant any seeds when the ground is wet. Many varieties, such as pansy, verbenas, daisy, hollyhock and the fine greenhouse plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich, mellow loam, well mixed together and sifted to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep them too wet, and as soon as they are large enough to handle transplant to boxes from one to two inches apart, where they are to remain until time to transplant to permanent beds. We will always be glad to answer any questions from our customers relative to the cultivation of any kind of plants.

OUR PRICES.—The cost of raising the various sorts of flower seeds varies greatly, from such as mignonette, of which we can grow a hundred pounds at but comparatively only a few dollars expense, up to double petunia, which costs us over one hundred dollars per ounce, and some other kinds which are still more expensive. There are but few who care for more than one good sized bed of any sort, therefore we have filled our packets with a sufficient amount and made prices as low as possible, some being only two or three cents each, and we are certain customers will be well pleased with the quantity they contain. We have carefully compared our packets with those of many of the leading seed dealers and are convinced that our packets on an average are better filled than any of them. We are growers and sell flower seeds to many of the largest seedsmen in this country and Europe, and can afford to sell at low prices to our customers.

DISCOUNTS.—In spite of our very low prices by the packet, we still offer flower seeds in packets only, to the amount of \$1.25 for \$1.00. This discount does not apply to collections of seeds nor to seeds by weight or measure. All flower seeds are sent free by mail on receipt of price.

NOVELTIES.—Many desirable novelties will be found described on the colored pages of this book, while others are in their regular order in this department. We have this year carefully revised all the descriptions, changing some of them after comparing with the flowers in the field, and we believe no more correct or complete list of desirable sorts can be found in any catalogue.

A NICE LAWN is easily obtained by sowing our Mixed Lawn Grass Seed. It is vastly cheaper than sodding, and you are not bothered with weeds, which are in the sod. See price in grass seed department.

ABRONIA.

Trailing habit similar to verbenas, bearing clusters of sweet-scented flowers. Effective for bedding in masses, and very desirable for rockwork and hanging baskets. In beds sometimes one plant covers a yard square and is full of bloom. Rose color. Pkt. 3c.

ARABIS.

ALPINA.—Among the earliest blooming plants, and very useful for rockwork, edgings, carpet bedding, etc. Flower pure white. Plant 9 inches high and a hardy perennial. Pkt. 10c.

ACROCLINUM.

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

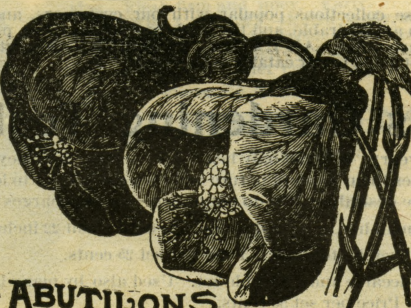
AGERATUM.

MEXICANUM.—Desirable for bouquets; produces many blue flowers and blooms a long time; largely used by florists; start seeds early. Pkt. 4c.

ALBIFLORUM.—Like above, only white. Pkt. 8c.

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.



ABUTILONS



ADLUMIA.

ADLUMIA. (Mountain Fringe.)

A beautiful hardy perennial vine, with fern-like foliage of a pale green color, with pretty flesh-colored blossoms; called Alleghany Vine. Pkt. 10c.

AQUILEGIA. (Columbine.)

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

CHRYSANTHA.—The beautiful, large-flowered, canary yellow variety. Very showy and satisfactory. Pkt. 5c.

WHITE.—Blooms on Decoration Day. Very desirable for cemetery. Pkt. 10c.

COERULEA.—Flowers very large, violet blue and white. Pkt. 7c.

DOUBLE VARIETIES MIXED Pkt. 5c

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.

SUNRISE.—Brilliant and showy. Top of plant brilliant crimson, lower leaves dark maroon. Pkt. 10c.

CAUDATUS.—(Love Lies Bleeding.)—Produces long, drooping chains of brilliant colored flowers. Pkt. 3c.

MIXED VARIETIES.—Pkt. 5c.

AGROSTEMMA.

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

CELI ROSA.—Hardy plants, with pink-like blossoms on long, slender stems. Useful for cutting for bouquets. About 1½ ft. high. Deep rose color. Pkt. 3c.

ALBA.—White; fine for cemetery. Pkt. 5c



AMARANTHUS.

YOU WILL BE INTERESTED IN THE FLOWER PLANT DEPARTMENT.



ASTERS.

The numerous forms of the aster, and the now great variety of rich colors of its perfectly double flowers make it a leading favorite. For a late summer and fall display it has no equal. Sow seed early and give deep, rich soil, with plenty of mulching.

NEW DIAMOND.—(Cut No. 1.)—The flowers are extremely beautiful, 2 to 2½ inches across, and the plants grow 18 to 20 inches high. All the stems and branches are terminated by perfect flowers, the plant appearing as a mass of bloom. The colors range from pure white to blackish purple, and dark, rich crimson. Pkt. 10c.

NEW TRIUMPH.—(Cut No. 2.)—The most beautiful and most perfect of all dwarf asters. Each plant forms an elegant bouquet of itself. The individual flowers measure from 2½ to 3 inches across. When beginning to bloom it is a pure scarlet, but when in full bloom it changes to a magnificent satiny, deep scarlet. Pkt. 10c.

SNOWBALL.—(Cut No. 3.)—A beautiful and distinct variety and the best white. The flowers are semi-spherical, as shown in our engraving; of refined and faultless form; pure white; beautifully imbricated and very freely produced, as many as 30 flowers being frequently borne on a single plant. Fine for pot culture. Pkt. 15c.

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

CROWN.—(Cut 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.—(Cut No. 6.)—The shape of this new variety differs from all others, resembling closely the large-flowered Japanese chrysanthemums. The flowers are from 3½ to 4½ inches in diameter, perfectly double, many handsome colors mixed. Pkt. 10c.

GOLDEN BALL.—The long-sought novelty—a yellow aster—has finally been produced and will be warmly welcomed by all flower lovers. The double flower is of light yellow. Pkt. 10c.

DWARF BOUQUET.—Very fine. Each plant forms a bouquet. Pkt. 5c.

SINGLE FLOWERING.—Bearing a mass of star-shaped flowers. Pkt. 5c.

VICTORIA.—A magnificent sort, 20 inches high; free bloomer; very large; brilliant colors; mixed. Pkt. 10c.

WASHINGTON.—Largest aster in cultivation, flowers often 5 inches across; mixed colors. Pkt. 10c.

HARLEQUIN.—New dwarf strain of great beauty, with oddly spotted and striped very double flowers of red and blue, the same plant having a great variety of flowers on it. Pkt. 10c.

NEW BRANCHING.—One of best floral novelties; flowers on long stems and are of extraordinary size, being 4 inches or more in diameter. Mixed colors. Pkt. 10c.

CHRISTMAS TREE.—One of the most popular European novelties; of pyramidal shape, usually covered with 70 to 100 flowers. Mixed colors. Pkt. 10c.

PERENNIAL MIXED.—Single flowering, hardy, herbaceous plants, thriving in any good garden soil. If sown early in the spring they will flower first season. Pkt. 5 cents.

ALL KINDS MIXED.—Seeds of most of above kinds Pkt. 5c.

ROYAL MIXED.—A very choice selection of all the best sorts. No second grades. Packet 10c.

COLLECTION OF ASTERS.

One packet each of
above 21 varieties,
\$1.10.

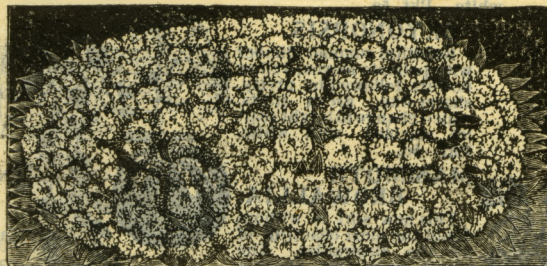
Harlequin Aster.

SEMPLER'S BRANCHING.—Useful for cut flowers. The flowers are very large and double, sometimes 4 inches in diameter, borne on large stiff stems and the colors are clear and handsome. Mixed colors. Pkt. 5c.

SEMPLER'S White, Crimson, Lavender, Pink and Purple, in separate colors, each, per pkt. 5c; 6 for 25c.

DAYBREAK.—A beautiful aster, round as a ball, very large and full, on long stems, color sea-shell pink; very early, continuous free bloomer, compact, strong grower. Pkt. 10c.

BETTERIDGE'S QUILLED.—Perfectly double tube or quill-shaped petals; valuable for bouquets and bedding. Mixed colors. Pkt. 3c.



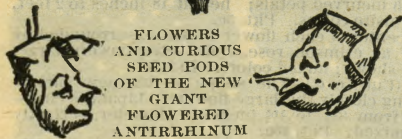
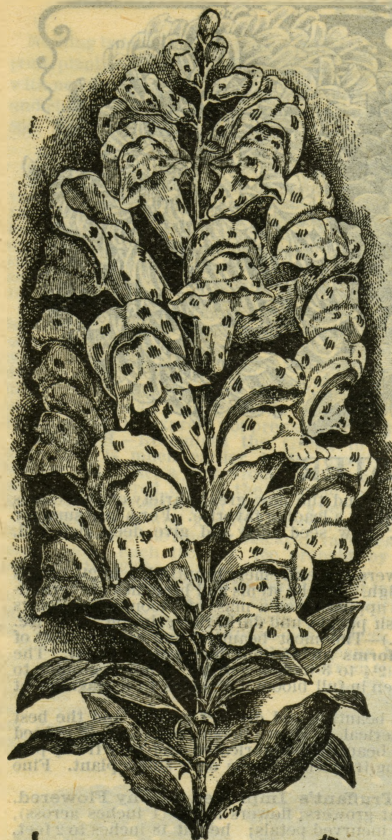
LITTLE GEM SWEET ALYSSUM.

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. Delicately fragrant. Pkt. 5c.

A MILLION BEDDING PLANTS HUNDREDS OF VARIETIES AT LOW PRICES. SEE LIST.



amazingly under our hot summer sun. 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. 15c.

ERFORDIA.—A little beauty as well as a most distinct novelty. It is a most profuse bloomer from early summer until late autumn. The color of the flower is a lovely soft pink throughout. The leaves and leaf stalks are of a copery bronze of a rich shade. Pkt. 10c.

TUBEROUS-ROOTED.—Of great value for summer decoration. They are covered the whole summer with bright and elegant flowers; blooming the first season from seed, if sown in February or March, in a temperature of 60 degrees. Single and double mixed. Pkt. 15c.

MIXED VARIETIES.—Many excellent varieties of the flowering sorts. Pkt. 15c.



BRACHYCOME.

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 daisy-like flowers. Half-hardy annual. Mixed blue and white. Pkt. 5c.

ANTIRRHINUM.—(*Snapdragon*.) One of the most beautiful and useful border plants, blooming profusely the first season from seed, until after frost. Our mixtures contain all the new and choice colors, including the beautiful-striped, variegated and margined.

BLACK PRINCE.—An elegant new, almost coal black variety. Pkt. 10c.

GIANT FLOWERED.—A most beautiful new class having all the finest colors and markings known in the old varieties and several new ones. It is a remarkable improvement however in that the flowers are of immense size and produced in long spikes which follow each other in a constant succession of bloom, beginning about eight weeks after seed is sown and continuing until late in the fall, if flowers are cut frequently. Cuttings can then be made which will root readily and bloom all winter. It is a perpetual bloomer, sending up flower spikes by the dozen, one to two feet in length, almost as large and beautiful as *Gladiolus*. The children are always interested in making the dragon's mouth open by pressing their fingers on the sides of the throat and making it snap. As the season draws to a close let a few of the plants ripen their seed pods and then see the dragons which have changed into queer elfish faces like laughing monkeys, with eyes, nose and mouth in many wonderful variations. Hours of pleasure can be had from a bed of these attractive flowers. Try them this year. Pkt. 10c.

TALL VARIETIES MIXED.—Pkt. 3c.

TOM THUMB.—A collection of the most beautiful, very dwarf varieties. Pkt. 5c.

ASPERULA.

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

AMOBIMUM.

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

AMPELOPLIS VEITCHI.

(*Boston Ivy*.)—A pretty hardy climber and one of the most popular of all vines. See more extended description with plants. Pkt. 5c.

BEGONIA

Seeds should be sown on top of the soil in a box, pressing soil evenly with a block. Cover box with a glass and give partial shade until up.

VERNON.—Comes absolutely true from seed. The plants grow rapidly and thrive



REX BEGONIA.



MAMMOTH FLOWERED BROWALLIA.



PEERLESS MIXED BALSAMS.

BALSAM.

One of the most beautiful of our annuals, and under the old names, *Lady Slipper* and *Touch-Me-Not*, has always been popular, but by the care and attention given it in the last few years, it has been greatly improved. The flowers are, most brilliantly colored, very large and double as the rose, very striking in their rich coloring, ranging from pure white to rich dark crimson. The packets contain about 50 seeds.

CAMELIA-FLOWERED MIXED.—Very double, resembling the camellia in form, of unusual size, perfect shape, and our mixture contains all the best colors. You will be greatly pleased with it. Pkt. 1c.

WHITE DOUBLE.—Very desirable and largely used by florists. Pkt. 8c.

PEERLESS MIXED.—This new mixture is made up from the best foreign and American strains and their beauty is truly marvelous. Flowers are double and of all known colors, plants are loaded with hundreds of flowers. Pkt. 10c.

All Varieties Mixed.—A nice mixture of the older sorts. Pkt. 4c., oz. 25c.

BALLOON VINE.

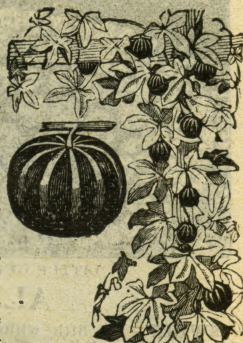
A very pretty, rapid growing climber, succeeding best in a warm situation. Remarkable for its inflated semi-transparent capsules; sometimes called "Love in a Puff." Flowers white. Pkt. 5c.

BRYONOPSIS.

Beautiful summer climber with palmate leaves; yellow flowers, followed by pretty, cherry-like, green fruits, which change to bright scarlet marbled with white. Pkt. 5c.

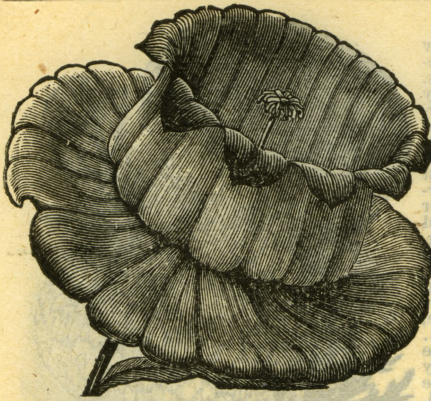
MAMMOTH BROWALLIA.

This new sort is without doubt the most beautiful of all the *Browallias*. The plants grow only about a foot high, form dense little bushes, which are covered with an abundance of the 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.



BRYONOPSIS.

I was much pleased with both the flower seeds and plants received from you.—Mrs. S. R. Curry, Duncan, Mo.



CUP AND SAUCER CAMPANULA.

CARNATION.

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

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

MARGUERITE.—These lovely, fragrant flowers are in full bloom in about four months after sowing the seed. The plants succeed alike in the open garden or in pots, and are of such vigorous, dwarf, erect growth that no supports are required. The flowers are of high type, exquisitely sweet, fully 80 per cent perfectly double, the calyx of which does not split. The range of color, marking, variegations and shading are simply wonderful. Pkt. 5c.

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. A desirable summer vine for growing on trellises or other supports, or as a trailing plant for hanging-baskets and vases. The seed should not be planted in the open ground until the weather becomes warm. Pkt. 5c.

CACALIA.

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

CAMPANULA.

CUP AND SAUCER.—A beautiful variety. The bell is nearly four inches in diameter, presenting the form of a saucer, hence its name. The plant is of strong growth, quite as hardy and floriferous as the old blue variety, and is very elegant and handsome, when in flower the blossoms literally hiding the plant. Perennial. Mixed colors. Pkt. 10c.

MIXED VARIETIES.—A choice mixture of all the best double and single varieties, suited for growing together. Pkt. 5c.

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 every one. 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. Unequaled for cutting. Grows anywhere. Pkt. 10c.

GOLDEN WAVE.—Plant very bushy and compact, reaching two feet in height, and covered from July to October with hundreds of beautiful golden blossoms, two inches in diameter, with small dark centers. It is indeed a wave of gold. Pkt. 8c.

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

CELOSIA.

For summer beds we know of nothing that will produce as showy and brilliant effects.

GIANT EMPRESS.—Is very handsome either for pot plants or specimen plants in beds, where they excite the curiosity of visitors more than almost any plant that can be grown. The Empress is the finest and most gorgeous variety yet introduced. It is not uncommon for the heads of this variety to measure over 12 inches in breadth: very bright purple combs and dark bronze foliage. Pkt. 10c.

OSTRICH FEATHER.—Beautifully curled crimson plumes. Pkt. 10c.

GOLDEN GLOW.—This is one of the most attractive novelties of the season. Plants large and produce many handsome flowers 6 to 10 inches in diameter, of a most attractive bright, rich golden yellow color. Pkt. 10c.

ALL VARIETIES MIXED.—Pkt. 5c.

CRISTATA MIXED.—Beautiful large cockscomb varieties. Pkt. 5c.

CANNA.

Unquestionably one of the finest of bedding plants for the American climate. Their handsome leaves combined with their varied and richly colored flowers have an extremely fine effect. They are easily raised from seeds which should be soaked in hot water for several hours.

FANCY LARGE FLOWERING.—This is a very large-flowering strain of dwarf, compact growth, averaging three and a half feet in height. They flower freely and the first year from seed. The flowers are large with broad, brilliantly colored petals. Our seed is a mixture of the finest large flowering sorts. Pkt. 5c, oz. 25c.



NEW FANCY CANNAS.



MARGUERITE CARNATIONS.



GIANT EMPRESS CELOSIA.

CANDYTUFT.

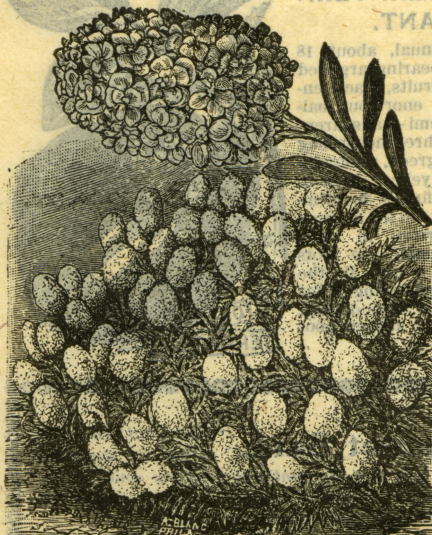
Considered indispensable for cutting. All the varieties look best in beds or masses; hardy, easy to cultivate, and blooms profusely. Hardy annuals, one foot high.

GIANT EMPRESS.—One of the finest varieties in cultivation. It is intermediate in height between the old Rocket and the newer Tom Thumb sorts. The plant is of very branching habit, and when fully grown and covered with its pure white flowers resembles a floral candleabra. Pkt. 7c.

SNOW QUEEN.—An extra fine dwarf pure white variety, grows rapidly, remaining in full flower for about 3 months. Pkt. 5c.

BEST MIXED.—A mixture of all varieties and colors. Pkt. 3c, oz. 40c.

SEMPER VIRENS.—Profuse white blooming perennial adapted for rockeries, baskets, etc. Flowers early. Pkt. 10c



GIANT EMPRESS CANDYTUFT.

KILL THE BUGS ON ALL FLOWER PLANTS WITH SULPHO TOBACCO SOAP.



CHAMELEON CHRYSANTHEMUM.

COBOEA SCANDENS.

Magnificent climber, of rapid growth and beautiful blue flowers. The seed should be planted edgewise in moist earth. Pkt. 10c.

CASSIA CHAMACCRISTA.

A pretty little native flower of Iowa often called Partridge Pea. Grows 12 to 18 inches in height, with compound leaves. The flowers are large, of a canary yellow, two of the petals being purple spotted at the base. They are borne on stems from two to five in a cluster, and are produced freely until destroyed by frost. Pkt. 7c.

CURIOUS CACTI.

Almost every one who keeps house plants likes to have a few nice Cactus. The seed we furnish is collected from the choicest varieties in Arizona, New Mexico, Texas, California and Old Mexico as well as some foreign varieties 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. 5c.



ORIOLE CALENDULA.

CALENDULA.

Belongs to the well known marigold family.

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

OREOLE.—The extra large double flowers are indescribably rich and glowing in tone, of an intensely bright golden yellow; wonderfully free flowering plant. Pkt. 5c.

FINE MIXED.—Many nice varieties and when planted together they make a showy bed. Also nice for winter blooming in pots. Pkt. 3c.

CROTOLARIA.

RETUSA.—A handsome, interesting and easily grown plant. The flowers are of rich golden yellow color with a spot of velvety brown in the center. The flowers are in long spikes and the separate blooms greatly resemble sweet peas in form and some call them Yellow Sweet Peas. Plants are of bushy growth about 15 inches high, and are literally covered with blooms, which are followed by clusters of short, smooth pods, which, when shaken, sound like a child's rattle. Hence its common name, "West India Rattle Box." Start seed early and it will bloom the first year. Pkt. 10c.

CHRYSANTHEMUMS.

The Annual Chrysanthemums listed below are altogether different from the large-flowered perennial varieties grown by florists. They grow easily from seed and flower freely during summer and fall months. The perennial chrysanthemums should be started early in spring and will usually bloom well in the fall and still better the following year.

SINGLE MIXED.—One of the prettiest annuals grown. The colors have the appearance of being laid on with a brush, and for this reason they are frequently called "painted daisies," and are indeed charming. Sow seed early in open ground and they will bloom all summer. Pkt. 3c.

CHAMELEON.—A new and distinct annual variety producing very large, single flowers which are beautifully circled 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 pencillings. Very double, semi-double or single, but these are almost equally charming. Pkt. 5c.

PERENNIAL.—Double Mixed.—This is the most popular greenhouse variety. Very showy and desirable for fall and early winter blooming. Plants potted in the fall make a continuous bouquet for many weeks.



DOUBLE ANNUAL CHRYSANTHEMUM.

Sow seeds early. Pkt. 10c.

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.—The foliage of this variety is finely cut and silvery. It is perhaps the best white leaved plant for bedding purposes. Pkt. 5c.

CLARKIA.

A very pretty and desirable hardy annual. Flowers are white, red, purple, etc., and born in profusion during the summer. Mixed colors. Pkt. 3c.

CLITORIA.

TERNATEA.—A 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.

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. Does better on rather poor soil. Pkt. 10c.



DOUBLE CENTAUREA.



CROTOLARIA.

Mahomet Said: "Had I but two leaves of bread I would sell one any buy Hyacinths to feed my soul." The culture of flowers is pleasant, inspiring and elevating to the higher nature.

COSMOS.

A magnificent race of plants growing about 3 to 4 feet high, and in fall literally covered with graceful flowers resembling single dahlias, but better for cutting. As a cut flower for vases or personal wear its grace and beauty is unequalled. Easily raised from seed if sown early.

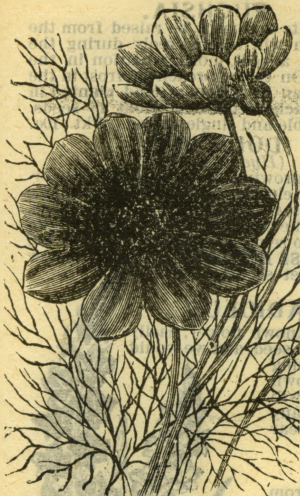
ALL COLORS MIXED—Pkt. 5c.

EARLY DAWN MIXED.

Introduced by us four years ago, and it jumped at once into popularity on account of its extreme earliness, coming into bloom in about two months from time of sowing and continuing until destroyed by frost. The plants have fine, feathery, light green foliage and delicate rose, purple, white and lilac flowers. A free blooming plant of the easiest culture. Mixed colors. Pkt. 5c.

MAMMOTH PERFECTION.

Flowers double the size of the old large flowering cosmos, measuring 12 to 15 inches in circumference; the petals are broader and overlapping; flowers white,



EARLY DAWN COSMOS.

pink or crimson. Seed should be sown early in the house, as they are quite late. Pkt. 7c.

CYPRESS VINE.

A beautiful rapid climber with delicate, dark green foliage, and an abundance of bright star-shaped scarlet and white blossoms, which in the bright sunshine is a mass of beauty.

SCARLET.—Very bright. Pkt. 5c.
WHITE.—Pretty in contrast with scarlet. Pkt. 5c.

PINK.—A pretty shade. Pkt. 5c.
MIXED COLORS.—The 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 fiery orange-scarlet flowers stand out in countless numbers. It is quick growing and sure to please all who try it. Pkt. 7c.



CYPRESS VINE.

CONVOLVULUS.

MINOR. (*Dwarf Morning Glory.*)—These beautiful bush Morning Glories grow only about one foot high; the flowers are freely borne, and, if cloudy, remain open all day. The plant spreads with much regularity in all directions, and a bed of them is a beautiful object throughout the summer. Mixed colors. Pkt. 5c.

MAJOR.—See Morning Glory.

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



LARGE FLOWERING CINERARIA.

and are entirely covered with brilliant blossoms. The rich and vivid colors range through all shades of blue, purple and crimson. Most of the varieties have a well-defined white eye and are unsurpassed for attractiveness. Pkt. 15c.



COLEUS.

COLEUS.

One of the most popular foliage plants. Is very decorative in the border and easily grown from seed, which frequently produces new and distinct varieties. Half hardy perennial. Packets contain about 150 seeds.

FINE MIXED COLORS.—Pkt. 10c.

RAINBOW.—The finest sort; sure to please everyone. Pkt. 15c.

COTTON.

One of the leading agricultural crops of the U. S. and brings growers about \$292,000,000 annually. It is easily grown; simply start the seed early in a box of soil in the house and transplant to the field as soon as warm weather arrives. It grows vigorously, has showy, large flowers followed by the ball of pure white cotton which interests the children and older people as well. Pkt. 5c, oz. 15c.

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.



NEW DOUBLE PINK
"FIRE BALL"

DIANTHUS.

The Dianthus, or Chinese pink has long been a great garden favorite. It is, in fact, one of our most useful plants, furnishing abundance of gay and pretty flowers until frozen in with the earth and covered by drifting snows. They are quite as pretty for pot plants in the house as carnations. Plants from seed grow and bloom very quickly. We know we are doing our customers a kindness by urging them to plant the Dianthus for both garden and pots.

FIREBALL.—A beautiful, very dwarf and compact growing pink, only 10 to 15 inches high. Flowers are perfectly double and color a rich, velvety blood red. The plants begin to flower shortly after 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.—The flowers averaging six inches in circumference, are densely double and are produced in perfect succession during the whole summer. Colors from purest satiny white to red shades so deep and intensely brilliant that the eye can scarcely penetrate their velvety depths, soft pinks and flesh tints more dainty than blush could lay; and a large proportion of flowers hieroglyphically marked with various hues. Pkt. 8c.

MOURNING CLOAK.—A magnificent new variety, with very double large flowers of a very dark mahogany, almost black, each petal edged with a margin of pure white. Pkt. 5c.

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

DOUBLE DIADEM PINK.—Superb large double flower. Hieroglyphically marked, like the original Chinese pinks. In the middle down to base of each petal; magnificent in color and variety. Pkt. 7c.

CHINENSIS. (*Double Chinese Pink.*)—Finest double mixed. Pkt. 3c.

MIXED VARIETIES AND COLORS.—Pkt. 5c.

DATURA.

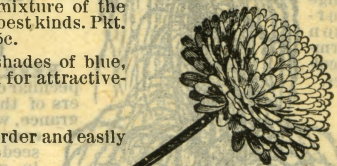
A large, strong growing plant, with trumpet-shaped flowers and bearing blooms of large size.

CORNUCOPIA.—The plant is about 3 feet high; stems dark purplish 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.

MOURNING CLOAK.

MOURNING CLOAK.



GIANT SNOWBALL DAISY.

SET OUT A STRAWBERRY BED THIS YEAR. OUR PLANTS ARE EXTRA STRONG AND VIGOROUS.



DAHLIAS.

ing brilliancy in the sunlight. They flower profusely throughout the season. Mixed colors. Pkt. 4c.

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 from 3½ to 6 inches across, with overlapping petals often delicately waved at the edge. It is of a rich golden yellow color, some specimens having a dark orange blotch in center. Pkt. 10c.

EUPHORBIA.

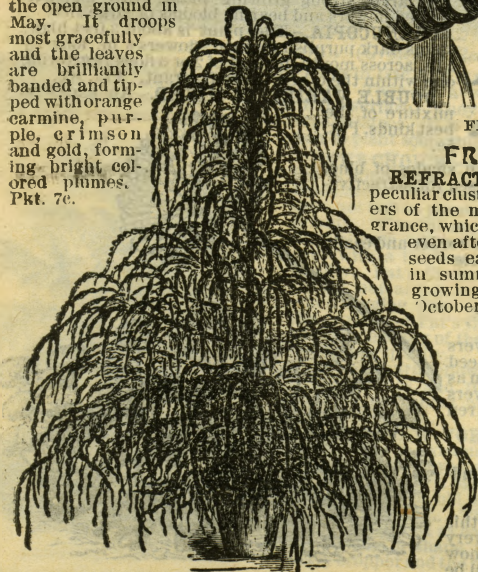
VARIEGATA.—Strong growing annuals suitable for beds of tall-growing plants or mixed borders; the flowers are inconspicuous, the foliage however, is ornamental, veined and margined with white. Pkt. 5c.



EUPHORBIA.

FOUNTAIN PLANT.

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



FOUNTAIN PLANT.

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.

NEW TOM THUMB.—Very pretty little plants, only 12 to 15 inches high, of a bushy habit of growth, and they come into flower very early. Showy, single flowers of many colors. Pkt. 7c.

DOUBLE MIXED.—Our seed is of the finest strain, and produces magnificent, large, very double flowers of the richest shades. Pkt. 8c.

SINGLE MIXED.—Pkt. 5c.

ESCHSCHOLTZIA.

SINGLE MIXED.—California popples.

Showy summer flowering plants; large saucer-shaped flowers of striking colors.



ESCHSCHOLTZIA.

HETEROPHYLLA.—(Annual Poinsettia)—An annual, resembling in habit and color the beautiful hot-house Poinsettia. Of branching bush-like form, with smooth, glossy-green leaves which, about mid-summer, become a beautiful orange scarlet, presenting a striking and brilliant appearance. Pkt. 10c.



FREESIA.

FREESIA.

REFRACTA ALBA.—Bears peculiar clusters of white flowers of the most delicious fragrance, which last a long time, even after being cut. Start seeds early, bulbs dry off in summer. Start them growing in the house in October and you will be pleased with them. They are easily grown. Pkt. 10c.

FOX-GLOVE

(Digitalis.)

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



FUCHSIA.

like to have all our customers try raising them in this way. This seed is of our own growing, from the best varieties, and will produce an assortment sure to please any lover of flowers. Bloom the second year from seed. Pkt. 8c.

GERANIUM.

These favorite plants are easily raised from



GERANIUM.

CHOICE MIXED.—Seed saved from nice varieties, mixed. Try it. Pkt. 5c.

GOOD VENTURE.—A greatly improved strain of geranium seed grown by a specialist, which we are sure will delight anyone. Pkt. 15c.

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.

GAILARDIA.

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 very double flowers, round as a perfect ball in most varied and pleasing colors. Flowers 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 the yard. Pkt. 10c.

Grass Pink.



FUCHSIA.

Fine plants can easily be raised from the seed, which will bloom freely during the summer in a cool, moist situation in the open air. On the approach of frost in the fall, they can be taken up and planted in pots. A packet contains about 15 seeds. Finest double and single mixed. Pkt. 10c.

DOLICHOS.

(Hyacinth Bean.)

A rapid-growing annual climber, flowering freely in clusters, followed by ornamental seed pods, for covering arbors, trellises, etc. Sow the seed in April or May, where they are to remain; mixed colors. Pkt. 5c.

PRINCESS HELENE.—A beautiful snow white, sweet scented variety. Pkt. 10c.

GLADIOLUS.

A well known flower, easily grown from seed, and we would



GLADIOLUS.

like to have all our customers try raising them in this way. This seed is of our own growing, from the best varieties, and will produce an assortment sure to please any lover of flowers. Bloom the second year from seed. Pkt. 8c.



GOURDS

GRASS PINKS.

The hardy and pretty clove-scented flowers which were so much loved by our grandmothers. Their fragrance is quickly noticed by any one passing by the yard where they are grown,

before seeing the flowers. There has been quite a call for these among our customers, and for several years we have tried to obtain seed of this old garden favorite and have at last succeeded in obtaining a fine crop of seed. The flowers range from pure white to a dark pink, most of them, however, being a clear, delicate pink color. A hardy perennial very desirable for borders. Per pkt. 5c.

HUMULUS.

(Hop.)

NEW JAPANESE VARIETIES.—We recommend this extremely handsome and distinct climbing vine, valuable for trellis and high places. Where an attractive, ornamental climber is desired, that will stand rough usage, we have nothing better. The leaves are strikingly variegated and marked; the first color is bright, deep green, distinctly marked and blotched with silvery white tinged with yellow; now and then a leaf will be almost snowy white, and another one not far away almost green. A superb, strong grower, reaching 10 to 30 feet in a few weeks' time; not injured by heat. Pkt. 10c.

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JAPANESE VARIETIES HUMULUS.

HELICHRYSUM.

A very pretty and popular hardy annual growing about twelve to fifteen inches in height and bearing large, double flowers of different shades and colors, ranging from white to bright yellow, rich red and scarlet, while many are shaded and tipped with various colors. Best of the "everlastings" and fine for winter bouquets. Instead of offering separate varieties we have made up a mixture of all the best flowering sorts. Per pkt. 5c.

**LINUM.****SCARLET FLAX.**

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

**HOLLYHOCK.**

No garden flower is more showy or admired. Start the seeds in a box in the house in February or March, and about May 1st transfer to a permanent place in garden where they will produce elegant spikes of flowers.

DOUBLE PURE WHITE.—Large, clear, pure white flowers about three inches in diameter. They are as handsome as camellias in cut flower work, and are highly valued by florists. Pkt. 10c.

CHATER'S PRIZE DOUBLE MIXED.—The illustration conveys but a faint idea of the great beauty of the magnificent double flowers three to four inches across, and all of the brightest colors. The flowers are quite as beautiful and perfect as those of the Camellia; they are massed completely around the spikes. A mixture of 17 prize varieties, including all colors and shades known. Pkt. 10c.

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

ALLEGHENY MAMMOTH FRINGED.—An entirely new and distinct variety which has attracted great attention. Flowers single, semi-double and double, of rich colors and fine form. Pkt. 10c.



HELIOTROPE.

LEMON VERBENA.

Everybody knows the Lemon Verbena and all should have a few specimens of it, for its fragrant foliage is so fine to use in bouquets and floral work. Pkt. 10c.

LANTANA.

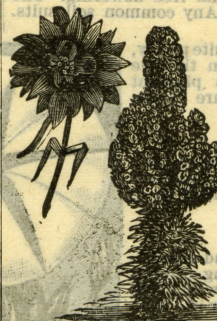
Greenhouse perennial; makes a fine bedding or pot plant; easily grown from seed. Best mixed colors. Pkt. 7c.

LUPINUS.

MIXED VARIETIES.—Strong growing garden annuals, with innumerable spikes of flowers of various colors. Pkt. 5c.

LATHYRUS.

A beautiful, showy, free flowering perennial known commonly as the Everlasting or Hardy Sweet Pea. Pkt. 5c.



ROCKET LARKSPUR.

Handsome trailing plants, profuse bloomers; elegant for baskets, vases and borders. All sorts mixed. Pkt. 6c.

MARIGOLD.

AFRICAN.—These old favorites have been greatly improved recently in size and doubleness of its flowers. Double, mixed. Pkt. 3c.

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

LEGION OF HONOR.—Of dwarf, compact pyramidal growth, with dark green fern like leaves. The blooms are single, of medium size, rich golden yellow with the center of each petal broadly marked with velvety crimson brown. Pkt. 2c.



MARIGOLD.

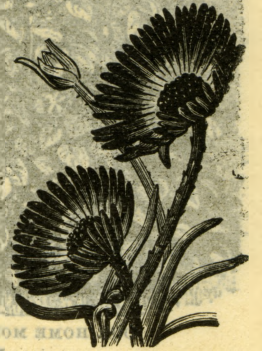
HELIOTROPE.

A great favorite with all lovers of flowers for their beauty and fragrance; are well suited for beds or borders, where they will bloom in summer, and may then be carefully potted and cut back for winter blooming. All should try raising these from the seed and obtain a nice assortment. Mixed varieties. Pkt. 5c.

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

ICE PLANT.

A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The whole plant is peculiarly brilliant in sunshine. The flower is white and pink. Pkt. 5c.



ICE PLANT.

LARKSPUR.

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

AMERICAN BANNER.—The handsomest flower in the entire catalogue. It is the only flower we know of which combines the national colors—red, white and blue—in each flower. Plants grow to a height of about two feet, and are fairly loaded with long spikes of double striped and blotched flowers. Pkt. 10c.

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

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

LOBELIA.

Handsome trailing plants, profuse bloomers; elegant for baskets, vases and borders. All sorts mixed. Pkt. 6c.



LOBELIA.

ELDORADO.—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Three feet high. Pkt. 5c.

LYCHNIS.

Handsome plants of easy culture, growing in any rich garden soil; for massing in beds and borders, blooming the first year if sown early; hardy perennials.

CHALCEDONICA.—Is a pretty plant with star-like blossoms covering the dwarf bushy plants. Perfectly hardy, and blooms better the second season than the first. One of the most brilliant of garden flowers. Pkt. 5c.

HAAGEANA, MIXED.—Brilliant, orange, scarlet, crimson, etc. Free flowering. Pkt. 5 cents.

THE BEST SEEDS ARE THE CHEAPEST IN THE LONG RUN. OURS ARE UNSURPASSED.

MORNING GLORIES.

These "glories" of the old home gardens are again coming into popular favor, and the improved sorts are so bright, fresh and beautiful that we cannot help loving them, and like the children they are the glory and brightness of our home.

IMPROVED CLIMBING.—Everybody knows the common Morning Glory, but many of the choice new varieties contained in this mixture are indeed rare. It will be found to include the spotted and striped sorts, varieties with marbled and lacinated foliage, the ivy-leaved kinds—in short, the largest variety of Morning Glories ever offered in one package. Flowers of large size, and plants climb to a height of twenty to forty feet in one season from seed, producing thousands of flowers. Pkt. 5c, oz. 20c, ¼ lb. 60c.

IMPERIAL JAPANESE.—Most magnificently large flowers of exquisite new colors which are rich and velvety; single and double mixed. Pkt. 8c, oz. 25c.

FINE MIXED.—A mixture of the old varieties. Pkt. 2c, oz. 10c, 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 inches across. The density of the shade is remarkable, as the leaves overlap each other. Pkt. 10c.

NEW DOUBLE-FLOWERING. A splendid novelty of rapid growth, and produces its double flowers very freely. They are white with a slight spot of red or blue at the base of the larger petals. About 80 per cent of the seedlings will reproduce themselves true from seed; when sown early in the spring, a long season of beautiful double flowers will repay you. Pkt. 10c.

DWARF.—See Convolvulus.



OUR HOME MORNING GLORIES.

MIMULUS.

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

MOSCHATUS.—The well known musk-plant, quite pretty, and has a strong musk fragrance. If better known this we are sure would be largely grown as the odor is pleasant and refreshing. A nice plant also for pot culture in the house. Pkt. 8c.

MAURANDIA.

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

MUSA ENSETE.

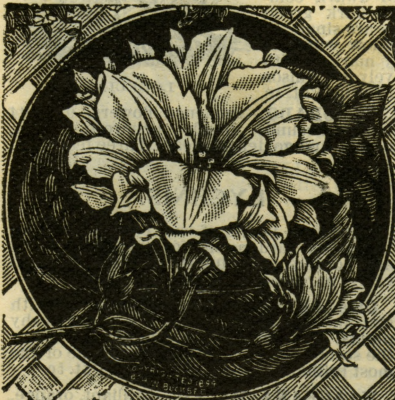
Fine single specimens of this are grand beyond description, and give a massive, tropical effect that nothing else can equal. It grows several feet high the first season, with huge, wide-spreading leaves that dwarf everything near it. Give sun, rich soil and abundance of water. Pkt. of three seeds 10c.

HIBISCUS.

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

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

GOLDEN BOWL.—Produces enormous flowers 5 to 6 inches across, of canary color with large black center. Pkt. 5c.



DOUBLE FLOWERING MORNING GLORY.

STRIPED JAPANESE MAIZE.

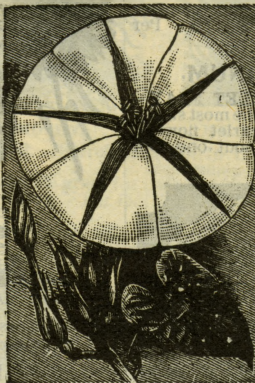
An ornamental foliage plant of rapid growth, giving immediate effect and one which would be attractive in any garden. Grows 5 to 6 feet high and has alternate foliage, the leaves being very long and 2 to 3 inches wide. The variegation does not begin to show until the fourth or fifth leaf, when the leaves become striped with broad bands of white, changing soon to narrow stripes or ribbons of alternate clear white and brightest green, occasionally showing faint tinges of pink or rose color at the edges. The leaves are waxy and gracefully recurved. Our illustration does not do it justice. Desirable for groups on the lawn, or ribbon beds, or a back border to the lawn. Pkt. 5c, oz. 15c.

GLOXINIAS.

Charming greenhouse plants, of dwarf habit. Their flowers are produced in greatest profusion, and of the most exquisite and gorgeous colors, many of which are magnificently spotted, mottled and blended. Under the commonest culture they bloom continuously for months. Seed should be started under glass. Extra choice mixed. Pkt. 25c.

GYPSOPHILA.

Delicately pretty little flowers, sometimes called "Baby's Breath" or "Angel's Breath." Graceful and easily grown. Pkt. 5c.



MOONFLOWER.



BLUE MOONFLOWER OR IPOMOEA LEARI.

MOON FLOWER.

WHITE.—(*Ipomoea grandiflora*).—One of the grandest of summer climbers, growing 25 to 40 feet high, and covered nightly and on dull days with beautiful white, moonlike flowers from 5 to 6 inches in diameter. Has a rich, jessamine-like odor. Pkt. of 10 seeds 7c.

BLUE FLOWERING.—(*Ipomoea Leari*).—This distinct and charming novelty is valuable on account of being in beautiful and striking contrast with the true White Moon Flower described above; habit of growth and flower the same. The color is exquisite, clear, satiny blue with well-defined crimson bars; very distinct. Pkt. 10c.

MYOSOTIS OR FORGET-ME-NOT.

PALUSTRIS.—The true Forget-Me-Not. A perennial. Blooms the first year from the seed. Pretty plants with neat little star-shaped blue flowers. Pkt. 7c.

VICTORIA.—A novelty, and the best variety for pot culture. Dwarf, globular habit; beautiful sky-blue flowers with center double. Pkt. 7c.

DELPHINIUM.—Perennial Larkspur.

One of our most showy and useful plants, possessing almost every requisite for the adornment of the garden; producing splendid spikes of flowers in profusion throughout the summer.

If sown early the bloom the first year from seed; hardy perennials. Pkt. 5c.



STRIPED JAPANESE MAIZE



TOM THUMB MIRABILIS.

MACHET.—Distinct sort of great merit. It is of dwarf and vigorous growth, and throws up numerous stout flower stalks, terminated by massive spikes of deliciously scented red flowers. Pkt. 5c.

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

MISS WHITE SPIRAL.—Grows two or three feet high, perfectly erect, spikes of bloom often measure twelve inches long. It is very showy in growth, and the grand spikes of bloom can be seen for a long distance; attracts the attention of everyone. Pkt. 4c.

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, the lower petals blotched with purplish carmine and 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. 15c.

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.

CLOTH OF GOLD.—Foliage is of a clear, bright yellow color. The plant is of dwarf, compact habit; flowers scarlet. Pkt. 5c, oz. 15c.

EMPERESS 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. 15c.

KING THEODORE.—The darkest color in nasturtiums, deep scarlet maroon. Pkt. 5c, oz. 15c.



IMPERIAL MIXED NASTURTIUM.

continuous bloomers. Color of flowers is most gorgeous, ranging from white through all the shades of pink, red, carmine, crimson, salmon, golden yellow to the deepest brown and maroon—nearly black, all striped, shaded and blotched in an indescribable manner. Pkt. 5c, oz. 10c, ¼ lb. 35c.

LOBB'S NASTURTIUM.—These are much superior to the ordinary tall nasturtiums in brilliancy of flowers, height and rapid growth. Our mixture includes all the best named sorts. Pkt. 5c, oz. 15c.

CLIMBING CHAMELEON.—A decided novelty, producing yellow, scarlet, crimson and maroon in different flowers at the same time on the same plant, giving them a very fantastic appearance. Plant is of vigorous climbing or trailing habit of growth. Pkt. 5c, oz. 20c.

OENOTHERA.

(Evening Primrose.)

Blossoms fully expand only towards and during evening. Three to four inches across. Hardy annual. Mixed white and yellow. Pkt. 5c.

Exceedingly free-flowering little plants with lively foliage, and covered with bright flowers from June to September. Useful for edgings. Choice mixed. Pkt. 5c.

OXALIS.

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 during the afternoon.

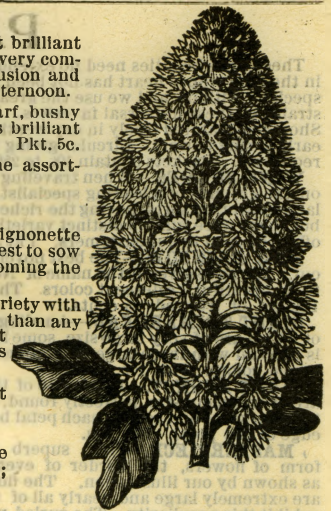
TOM THUMB MIXED.—Very handsome, compact dwarf, bushy plants, with elegant, golden-variegated foliage; numerous brilliant flowers, pure yellow, deep red, and striped and blotched. Pkt. 5c.

MIXED COLORS AND VARIETIES.—Contains a fine assortment of colors and is always satisfactory. Pkt. 3c.

MIGNONETTE.

SWEET SCENTED.—The delicious fragrance of the Mignonette makes it indispensable for bouquets and cutting. It is best to sow seed early in the garden, and they will commence blooming the first of June. Pkt. 2c; oz. 15c.

ALLEN'S DEFIANCE.—A remarkable and valuable variety with mammoth spikes 12 to 15 inches long, and more fragrant than any other variety. Florets are of immense size and the cut flower frequently keeps for three weeks, retaining its grace, beauty and fragrance. Pkt. 10c.



MACHET MIGNONETTE.

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.

NIGELLA.

(Love in the Mist.)

Hardy annuals, about one foot in height, finely cut leaves and handsome flowers. Blooms early. A very pretty flower, and one our customers should try. Double flowers. Blue, white and purple, beautifully veiled with feathery, delicate appearing foliage. Pkt. 4c.



NICOTIANA.

GAY AND FESTIVE.—A new and greatly improved strain of dwarf nasturtiums from California, showing a most charming combination of colors. Flowers unusually large and very beautiful. Thirty distinct varieties mixed. Pkt. 10c, oz. 25c.

PEARL.—A charming dwarf white variety. Pkt. 5c, oz. 10c.

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 NASTURTIUM.

CAPRICE.—A charming novelty with 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 variety, with flowers of a very rich dark brown, almost black. Pkt. 5c, oz. 15c.

SPITFIRE.—A most brilliant new variety of bright cardinal red. A most glowing color. Pkt. 5c, oz. 15c.

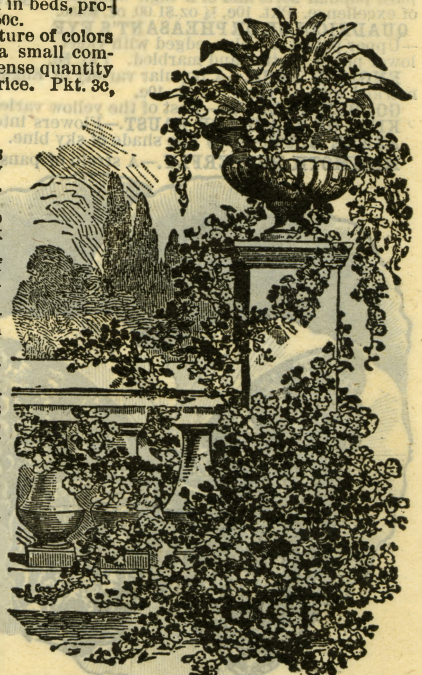
NAPOLEON III.—A beautiful climbing variety with golden yellow flowers, striped with rosy scarlet. Pkt. 5c, oz. 15c.

TALL VARIETIES MIXED.—Pkt. 3c, oz. 10c, ¼ lb. 20c, lb. 65c.

MADAM GUNTER'S HYBRIDS.—For richness and variety of colors these new hybrids have no equals among the nasturtiums. The foliage is mostly dark, contrasts very effectively with the flowers. They are climbers and free growing plants. Pkt. 5c, oz. 10c, ¼ lb. 35c.

LOBB'S NASTURTIUM.—These are much superior to the ordinary tall nasturtiums in brilliancy of flowers, height and rapid growth. Our mixture includes all the best named sorts. Pkt. 5c, oz. 15c.

CLIMBING CHAMELEON.—A decided novelty, producing yellow, scarlet, crimson and maroon in different flowers at the same time on the same plant, giving them a very fantastic appearance. Plant is of vigorous climbing or trailing habit of growth. Pkt. 5c, oz. 20c.



MADAM GUNTER'S HYBRIDS NASTURTIUM.

A NICE LAWN IS EASILY MADE BY SOWING OUR EVERGREEN LAWN GRASS SEED.

PANSIES.

These little beauties need no extended description, as it would be hard to find even a child in the land whose heart has not been gladdened by their bright faces. Pansies are a specialty with us, and we use the greatest care in growing, selecting and importing the best strains of these universal favorites. Pansies like moist, rather shady location and rich soil. Should be watered freely in dry weather. Seed started in February or March will produce early spring flowers. Circular giving full directions for growing pansies will be sent free if requested. Packets contain 10¢ to 250 seeds.

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. We purchased the stock and now offer the seed to our customers. Pkt. 20c.

NEW RAINBOW.—The best novelty in pansies and the most charming variety ever sent out. We have given it the name of New Rainbow, and consider it very appropriate owing to its beautiful iridescent colors. They will both astonish and delight "pansy fanciers." Packet of 100 seeds 25 cents.

GIANT TRIMARDEAU.—An altogether distinct and beautiful class of pansy, the flowers of which are of very large size, some have measured four inches in diameter. Each flower is marked with three large blotches or spots and stands well above the foliage. Choice mixed colors. Pkt. 1c.

GIANT BUGNOT.—This is one of the finest strains of pansies in existence. The flowers are of enormous size, perfectly round, of great substance and of the most varied and attractive markings and colors; each petal bears a blotch that runs out in delicate veins to the edge of the petal. Pkt. 20c.

MASTERPIECE.—This superb new pansy is distinct from all others in the form of flowers, the border of every petal being conspicuously undulated and curled, as shown by our illustration. The flowers are extremely large and nearly all of them exhibit this peculiarity. The curled petals give the flowers a fuller and more globular appearance than those of other classes of pansy, and when seen in nature it appears to be a **DOUBLE PANSY.** This new class is remarkable also for the wonderful combinations of color which it shows, including some tints hitherto unknown in pansies. The plants are very vigorous and bloom profusely. 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. 10c.

FIRE KING.—This novelty comes almost absolutely true, scarcely a plant bearing a flower at variance from type, which is very distinct and striking. The three lower petals each have large blotch of deep brown red or magenta margined with yellow, while upper petals are of bright red, of really a fiery shade, warranting the name of Fire King. Pkt. 10c.

MAHOGANY.—A beautiful, rich mottled mahogany color. Pkt. 5c.

SNOW QUEEN.—Flowers of a delicate, pure, satiny white, handsome and attractive. Makes fine showing in beds or for cut flower work, and beautiful for cemetery use. Pkt. 5c.

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.

QUADRICOLOR OR PHEASANT'S EYE.—Upper petals sky-blue, edged with violet; lower petals spotted and marbled. Pkt. 5c.

ENGLISH FACE.—A popular variety in marked with a "face." Pkt. 10c.

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

KING OF BLACKS OR FAUST.—Flowers intensely dark almost coal-black. Pkt. 5c.

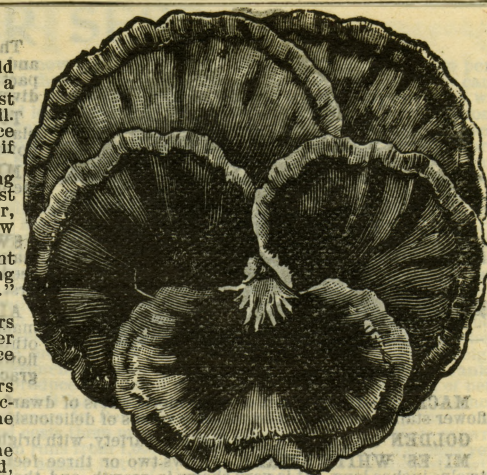
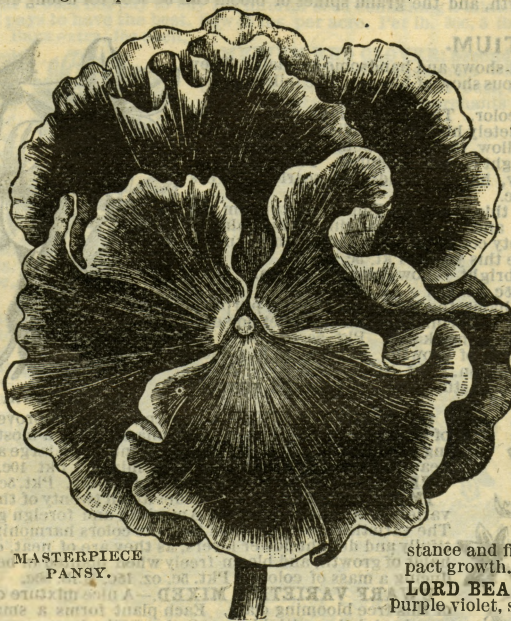
AZURE BLUE.—Very fine shade of sky blue. Pkt. 5c.

MAMMOTH BUTTERFLY.—A strain of pansy of matchless forms, colors and markings, with flowers half as large again as ordinary pansies. They will both astonish and delight "pansy fanciers." There is a great variety of colors and peculiar markings, reminding one of varied hues of the butterfly. Pkt. 10c.



MAMMOTH BUTTERFLY.

MASTERPIECE
PANSY.



SPECIMEN INTERNATIONAL PANSY.

INTERNATIONAL MIXED.—In almost every country in the world there are pansy specialists, notably those of Scotland, Belgium, France, Germany and Switzerland. Each have their idea of perfection. This mixture consists of a grand assortment from the world's leading growers. Here will be found the beautiful German pansies, with their rich, soft, velvety colors; the lovely striped and mottled pansies from Belgium, which contrast so strongly with all others; the face pansies of England, in which one can almost see the human face because of their peculiar spottings; the self colors of Switzerland are very attractive, because of their pure coloring; the fancy show pansies of Scotland, of bright contrasting colors and rare spotting, flaking, feathering and edging; the mammoth pansies of France, which have been grown to the enormous size of four inches in diameter, and are decidedly showy; and also the many choice American strains, which are mainly made up by selecting and crossing the foreign sorts. If you like pansies you must have the International Mixture. Pkt. 20c, ¼ oz. \$3.00, oz. \$10.00.

CASSIER GIANT ODIER.—The flowers of immense size, are of the popular Odier type, being all three-spotted or five-spotted on back-grounds of very rich colors. The flowers of the Cassier's are of good substance and fine form, while the plants are of neat compact growth. Pkt. 15c.

LORD BEACONSFIELD.—Fine, large flowers of deep Purple violet, shading off in the petals to a white hue. Pkt. 5c.



PEACOCK
PANSY.

VIOLET SCENTED.—This new type is a cross between the pansy and violet, combining the ideal properties of each. Flowers are much larger than the violet, more like pansies, but with the delicious fragrance of former. Range of color runs through canary, buff, white and azure blue; coloring of each is exceedingly delicate and charming. Pkt. 15c.

PEACOCK.—This fine new variety has been named the Peacock because the upper petals of the flower most nearly resemble in color, the peculiar shade seen only in feather of the peacock, a beautiful ultra-marine blue. Petals are edged with a thin white line, within which it is purplish crimson, passing into a rich central blotch of blue, shading to black. Pkt. 10c.

LARGE FLOWERING MIXED.—Pkt. 7c, oz. \$2.75

FINE MIXED.—Of many good sorts. Pkt. 5c, oz. \$1.00.

COLLECTION.—One packet each of the above 23 sorts for \$1.75.

PANSY PLANTS.—A stock of large, strong pansy plants at 50c per dozen; smaller size at 25c per dozen.

PETUNIA.

Surely there is no garden complete without a bed of elegant petunias. They commence flowering early and continue a mass of bloom throughout the whole season, until killed by frost; easily cultivated, requiring rich soil and a sunny situation. Of late years the single striped, mottled and double varieties have been greatly improved, and the cut gives but a faint idea of their great variety and beauty. The double varieties require more care and should be started in the house.

FINE MIXED.—Best of older sorts carefully mixed. Contains some extra fine striped and blotched varieties. Pkt. 3c.

DOUBLE INIMITABLE.—A splendid mixture. Our seed is the best German grown, and will produce a large percentage of fine double flowering plants. Pkt. 25c.

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. They are 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 and we are sure every flower lover will be delighted with them. Try them for solid beds, edgings or growing in pots. Pkt. 10c.

GIANT FANCY FLOWERING.—A new strain and undoubtedly the handsomest of all. See novelties for description. Pkt. 25c.

GRANDIFLORA MIXED.—Very large, elegant flowers; a great improvement and fully twice the size of the old sorts, with the most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, bordered, marked and fringed. Pkt. of 200 seeds 10c.

GIANTS OF CALIFORNIA.—These wonderful petunias have been specially selected and improved in California by a specialist, and are now famous for their great size, beauty of markings and combinations of color. Many have dainty fringed edges, others are ruffled and frilled, and all are exceptionally lovely. Pkt. of 100 seeds 15c.

GILIA.

Gillas are 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; desirable for cutting, and suitable for beds, rock work, and edgings. Seed should be sown in the open ground. Mixed colors. Pkt. 5c.

I was more than pleased with the seeds received from you last year. They produced many pretty flowers.—Miss L. Moore, Garland, Texas.



IOWA SEED COMPANY'S SINGLE AND DOUBLE PETUNIA.

FERNS.

Can be grown from the spores, or seed, by sowing in a very moist place under glass. Pkt. 15c.

GLOBE AMARANTH.—*Gomphrena*.

Popularly known as "Bachelor's Buttons," a first-rate bedding plant; a desirable 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; all mixed. Pkt. 5c.

GOLDEN ROD.

Although considered an objectionable weed on our western prairies, there is no denying the beauty of this flower, and it has been adopted by New York as the state flower. Greatly admired everywhere; easily grown from seed. Pkt. 5c.

GODETIA.

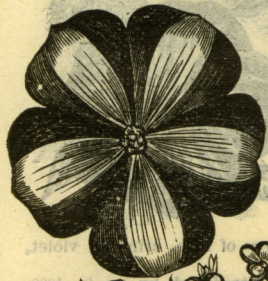
Handsome and showy annuals about one foot high, of dwarf, compact growth, bearing freely large flowers 3 to 4 inches across, of exquisite colors.

LADY SATIN ROSE.—Brilliant deep rose pink, surface shines like satin. Pkt. 8c.

MIXED VARIETIES.—All colors. Pkt. 5c.

FEVERFEW.

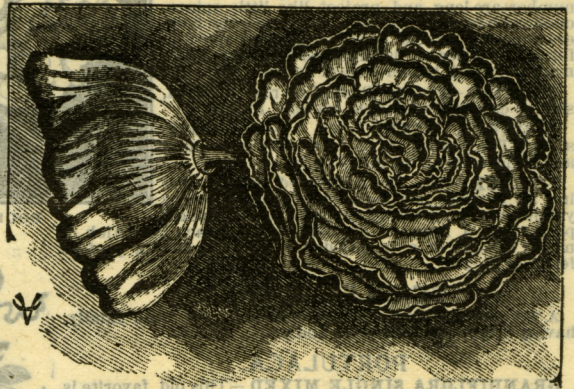
Free-flowering plants, succeeding in any garden soil; a fine bedding plant or for pot culture; blooms until frost. Handsome double-white flowers. Pkt. 5c.



LITTLE PET PETUNIA.

PERILLA.

Broad serrated leaf, of purplish mulberry color; 18 inches or more in height. Desirable for center of bed of ornamental leaved plants, or low screen. Pkt. 5c.



AMERICAN FLAG POPPY.

POPPIES.

This grand old flower has kept pace with the march of improvement, and now comes around and surprises us with its new forms, new sizes and new colors.

ROSY MORN.—This new poppy is really superb. The flowers are extremely double and of good size, forming perfect balls of a unique and beautiful shade of rose—a new and distinct color in Poppies. It is of the easiest possible culture, belonging to the annual paony flowered section and merely requires to be sown where the plants are to flower. Pkt. 7c.

BRILLIANT.—The flowers present a variety of bright colors, pure white, scarlet, rose purple and various other shades. The ends of the petals or fringes are of a deeper tint, and the beautiful flowers are so bright as to be dazzling to the eye. Pkt. 5c.

FAIRY BLUSH.—Flowers perfectly double, and measure from ten to thirteen inches in circumference. Petals elegantly fringed, pure white, tipped with rosy cream. Pkt. 6c.

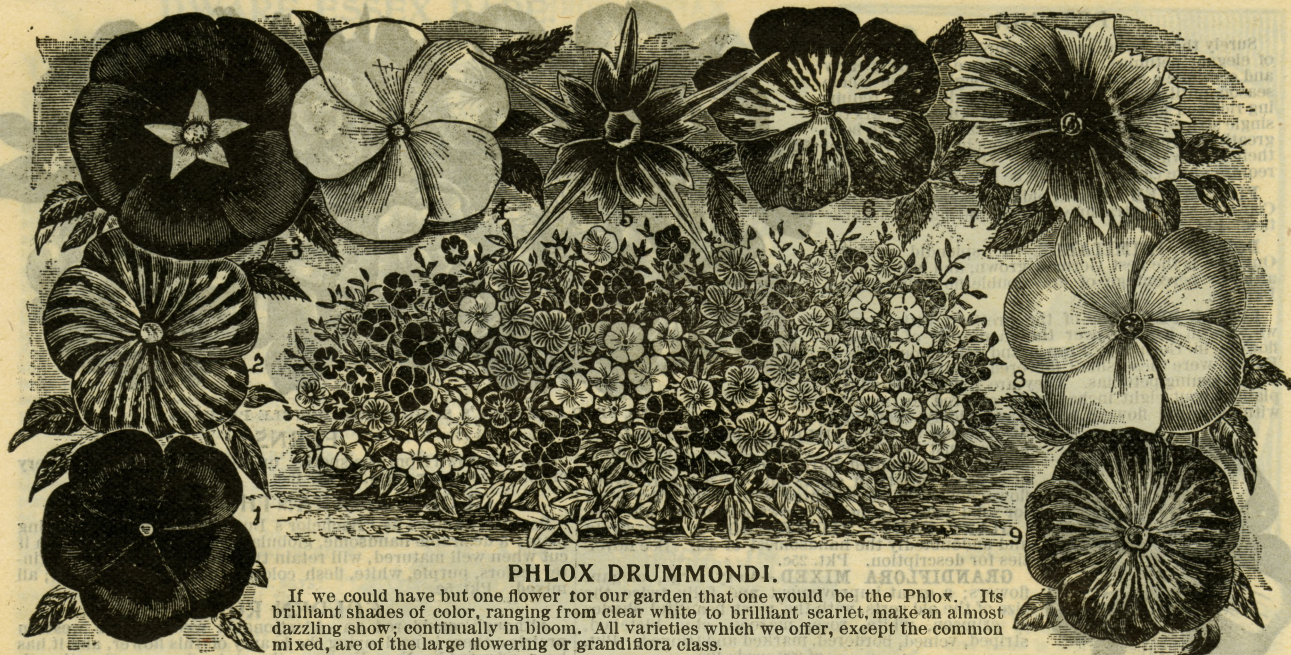
SHIRLEY.—A new single. In color from the purest white through the most delicate shades of rose pink and carmine to the deepest crimson. Pkt. 5c.

AMERICAN FLAG.—Flowers extra large, very double, snow white, bordered with scarlet, thus making an extra choice, very showy variety, that should be very popular. Pkt. 5c.

SNOWDRIFT.—A beautiful new, large, double, pure white variety. Pkt. 5c.

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

ALL VARIETIES MIXED.—Pkt. 3c.



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

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

STELLATA CARMINEA.—(No. 3.)—Very handsome carmine flowers, with pure white star-like eye. Pkt. 5c.

GRANDIFLORA ALBA.—(No. 4.)—Pure white, very large flowers and makes a beautiful bed when planted in a solid mass, also fine for edgings on ribbon beds as it is constantly in bloom. Pkt. 5c.

CUSPIDATA OR STAR.—(No. 5.)—The growth is more dwarf and compact than the common. The pointed center teeth of the petals (five in number) are long and project like little spines, one-fourth to one-third inch long. Thus the flowers appear to have a splendid, regular star-like form, whose beauty is improved by broad, white margins, which border edge of petals. Pkt. 1 c.

SUNRISE.—(No. 6.)—Beautiful, rosy crimson, shaded carmine, with light center. Pkt. 5c.

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

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

SCARLET RUNNER.

A valuable climbing vine, belonging to the bean family, having bright scarlet flowers and pods. Pkt. 5c.

PORTULACA.

GRANDIFLORA SINGLE MIXED.—This old favorite is brightest in the hot, dry weather, when other flowers are drooping. They are of almost every conceivable shade of color, and will make one of the brightest spots in the garden.



DOUBLE PORTULACA.

Large flowered. A splendid mixture. Pkt. 3c.

DOUBLE MIXED.—Very handsome, double as a rose, contains a color and shading unknown in the single. Our seed is extra choice and will produce sixty to seventy-five per cent of flowers as double as the most perfect rose. Pkt. 10c.



PASSION FLOWER.

A most 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. Vines throw out blossoms when only one or two feet high, followed by golden fruit about the size of a hen's egg. If left in the open ground in winter it must have some protection. Pkt. 7c.

RADOWITZII.—(No. 9.)—Handsomeness of rose, crimson, violet, etc., striped with white. Pkt. 5c.

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

GRANDIFLORA MIXED.—This special large flowering strain has been selected with great care for many years until we now have an ideal flower of immense size and for beauty of color they are unsurpassed. They produce a great profusion of large trusses of flowers, and if cut freely will continue a mass of bloom until severe freezing weather. The colors range from the purest white to nearly black, including all shades of pink, red, violet, crimson, purple, yellow, blue, scarlet and brown, striped and blended in an indescribable manner, some of the flowers are very nearly as large as a half dollar. Pkt. 8c.

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

PERENNIAL MIXED.—Splendid hardy plants which bloom continuously after the second year. Pkt. 5c.

Phlox Collection. One packet each of the above varieties, for only 50c.

PYRETHENUM.

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.

HYBRIDUM.—A perennial of great beauty which is as yet so rare as to be almost a novelty. The foliage is feathery and of a rich green, while the flowers are shaped like those of Cosmos, and are brilliantly colored, white, rose, scarlet, crimson, etc., borne on long, handsome stems. Pkt. 10c.

PRIMROSE.

CHINESE.—One of the most desirable plants for growing indoors, being in almost constant bloom all winter, and if transferred to the border, they will bloom nearly all summer. Though perennial, new plants flower more freely, and seed should be sown every year. Start under glass. Mixed colors. Pkt. 15c.

FORBESI.—*Baby Primrose.*—A wonderfully free blooming little plant, covered with a mass of small flowers, especially during the winter. Pkt. 10c.

OBCONICA.—*Everblooming Primrose.*—A favorite on account of its great blooming qualities, flowering nearly all the year through. Mixed colors. Pkt. 10c.



CHINESE PRIMROSE.

FLOWERS GROWING ON THE LAWN ARE ALWAYS PRETTY. LAWN FLOWER SEEDS MIXED 25 CENTS PER OUNCE.

PLATYCODON.(Also called *Wahlenbergia*.)

Is of wonderful beauty and attracts much attention on our seed farm. It is a perennial plant blooming the first year from seed, which should be sown early in open ground. Blooms very profusely and continuously all summer, if flowers are removed as soon as they begin to fade. The flowers are of large size, being $2\frac{1}{2}$ to 3 inches in diameter, and of various shades of light blue, lavender and white. Plants increase in size from year to year and are sure to please. Pkt. 7c.

SWEET SULTAN.

An old garden favorite which has been greatly improved during the past few years. Blossoms being $2\frac{1}{2}$ to 4 inches across, of graceful airy effect. Very fragrant and fine for bouquet work. Mixed colors. Pkt. 5c.

**CAMBODIENSIS RICINUS.****RICINUS.**

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

CAMBODIENSIS.—This beautiful plant grows to a height of 8 feet, and of most stately, majestic tropical appearance. Large palm-like leaves of darkest reddish maroon, covered with a bright bronzy lustre, while the main stalk and leaf stems are ebony black. Leaves have large red veins which add to the beauty. The fruit is fiery red. It is unexcelled as a decorative plant for lawn or garden. Seed will always be scarce and high. Pkt. of 10 seeds 10c.

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 of coppery bronze, changing to dark green, with reddish ribs. Pkt. 5c.

SANGUINEUS TRICOLOR.—Blood red stalk; very attractive. Pkt. 5c.

COMMON.—Pkt. 3c; oz. 10c.

ALL VARIETIES MIXED.—Pkt. 4c.

RHODANTHE.

MACULATA.—One of the finest and most beautiful of the many varieties of everlastings. The flowers are of various colors. For winter bouquets the blossoms should be gathered before fully expanded, and if dried in the shade will retain their brilliancy for years. Rosy crimson with bright yellow center. Pkt. 5c.

**RHODANTHE.****PLATYCODON****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.

SUNFLOWER.

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

GLOBE OF GOLD.—Dwarf, well branched plant growing about 3 feet high and each of its numerous branches carrying a medium sized, densely double globe shaped flower of rich, deep, golden yellow color, being veritable globes of gold. The most densely double of any sunflower. They are easily grown from seed and produce handsome, symmetrical plants effective on lawns or in the garden. Pkt. 7c.

**SALVIA.**

EXCELSIOR BRANCHING.—This new plant caused great attention in Europe last year, being known there as *H. Cucumerifolius Grandiflorus*. It has a single flower about five inches across producing a pyramid of bloom. Pkt. 10c.

SILVER LEAVED.—But few who see this splendid new plant would imagine that it was a sunflower. It grows three or four feet high, forming a perfect pyramid. The leaves are long and densely covered with long white hairs which give it a peculiar shining, silvery appearance. The flowers are a clear golden yellow, three to four inches across, with small dark brown centers. In the morning while covered with dewdrops it is really magnificent. Pkt. 5c.

PEERLESS MIXED.—Is a splendid assortment of fifteen of the best varieties grown together on our grounds. It includes some which are both curious and desirable. Pkt. 5c; oz. 15c.

MAMMOTH RUSSIAN.—Largest of all quite showy and the most profitable to grow for feeding purposes. Pkt. 5c; lb. 25c.

BLACK GIANT.—Pkt. 5c.

WHITE BEAUTY.—Pkt. 5c.

SALPIGLOSSIS.

One of the most beautiful of flowering annuals, forming strong, bushy plants about 18 inches high, and bearing throughout the season large flowers 3 to 4 inches across, of many beautiful colors. Sometimes called Painted Tube Tongue.

NEW VARIEVEINED.—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.

FINE MIXED.—Pkt. 5c.



are borne profusely during the season. Fine for vases, rustic work, or greenhouse culture. Half-hardy annual. Mixed colors. Pkt. 5c.

VIOLA.

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

GLOBE OF GOLD SUNFLOWER.**SCABIOSA.**

(Or Mourning Bride.)

One of our handsomest summer border plants, producing in great profusion very double flowers in a variety of shades and colors; a splendid flower for table bouquets, etc. Best double dwarf varieties mixed. Pkt. 4c.

THUNBERGIA.

(Black-Eyed Susan.)—Beautiful, rapid-growing climbers, thriving in a light, rich, loamy soil, in warm situations in the garden. The flowers are very pretty, and

**SCABIOSA.**

SET OUT A FEW GRAPE VINES THIS YEAR AND ENJOY FRUIT FROM YOUR OWN VINES.

IMPERIAL MIXED.

Sixty of the best varieties carefully selected so as to get the proper proportion of each color in the assortment. This makes the choicest mixture ever offered. Our illustration shows a bunch of the various colors and we are sure our customers will be greatly pleased with them. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Imperial Mixed Sweet PEAS.



SWEET PEAS.

May well be called America's favorite, as it is such a popular and easily grown flower that rich and poor alike can enjoy its fragrance and beauty. Out of nearly 200 varieties which we carefully examined on the trial grounds we selected the following as being the VERY BEST, and they include all desirable colors, shades and markings. Our seed was grown for us by the most prominent Sweet Pea specialists in America and cannot fail to please the most fastidious. Ask for circular giving instructions for growing.

AURORA.—Extra large flowers, flaked and striped bright salmon on a white ground. Pkt. 5c; oz. 10c; ¼ lb. 25c.

BLACK KNIGHT.—A superb novelty, flowers large, of rich glossy blackish maroon. Pkt. 5c; oz. 15c; ¼ lb. 40c.

BLANCHE BURPEE.—The finest pure white; blooms freely. Pkt. 5c; oz. 10c; ¼ lb. 20c.

BOREATION.—Very fine dark variety, with immense, bold attractive flowers, borne in great profusion. Color, red, mahogany and maroon. Very beautiful. Pkt. 5c; oz. 10c; ¼ lb. 25c.

CAPTAIN OF THE BLUES.—Large shell-shaped purplish flowers, wings deep blue. Pkt. 5c; oz. 10c; ¼ lb. 20c.

COUNTESS OF RADNOR.—One of the handsomest. Standard rich lavender mauve, wings lighter. Pkt. 5c; oz. 10c; ¼ lb. 25c.

CUPID.—An unique novelty, of dwarf, shrubby growth, therefore desirable for bedding. Flowers pretty and freely produced. Mixed colors. Pkt. 5c; oz. 10c; ¼ lb. 25c.

EMILY HENDERSON.—Earliest blooming standard pure white variety. It begins to flower nearly as soon as the Extra Early Blanche Ferry. Flowers of snowy whiteness, with reflexed standard. Pkt. 5c; oz. 10c; ¼ lb. 20c.

EMILY ECKFORD.—A superb large flower of rosy heliotrope color. Pkt. 5c; oz. 10c; ¼ lb. 20c.

EX. EARLY BLANCHE FERRY.—Earliest of all. An improvement on Painted Lady. Delicately handsome and a profuse bloomer. Pkt. 5c; oz. 10c; ¼ lb. 20c.

GRAY FRIAR.—White clouded and dotted lilac. A decidedly odd and attractive variety which is quite popular. Pkt. 5c; oz. 10c; ¼ lb. 25c.

HON. F. BOUVERIE.—A grand new variety with pinkish salmon at base of standard and wings shading to light salmon and buff at edges. Pkt. 5c; oz. 15c; ¼ lb. 50c.

LOTTIE ECKFORD.—White suffused with rosy lilac, while the whole flower is edged blue. Beautiful. Pkt. 5c; oz. 10c; ¼ lb. 20c.

LOVELY.—The most beautiful shades of soft shell-pink, shading to very faint rose at the outer edges. Grand flowers of large size, most aptly named. It is "lovely!" Pkt. 5c; oz. 10c; ¼ lb. 20c.

LADY MARY CURRIE.—Flowers of large size. Standards large, heavily veined with salmon-pink, lower portion shaded with carmine wings recurved and

of a soft rose pink. Pkt. 5c, oz. 10c, ¼ lb. 3c.

LOTTIE HUTCHINS.—A novelty of straw color, striped and clouded light pink. Pkt. 5c, oz. 15c, ¼ lb. 45c.

MRS. DUGDALE.—One of Eckford's latest novelties, standard rose, wings primrose, shaded and splashed rose. Grand large flower. Pkt. 5c, oz. 10c, ¼ lb. 35c.

NAVY BLUE.—A grand novelty and the darkest and truest blue of any variety in existence. A free bloomer. Pkt. 5c, oz. 15c, ¼ lb. 40c.

PRINCE OF WALES.—A bright, self-colored, deep-rose flower of grand size and beautifully hooded form; frequently four on a stem. Pkt. 5c, oz. 10c, ¼ lb. 30c.

RAMONA.—A most beautiful, creamy-white flower, striped and flaked bluish pink. Pkt. 5c, oz. 10c, ¼ lb. 20c.

ROYAL ROSE.—An immense sized, beautiful clear rose colored flower. Pkt. 5c, oz. 10c, ¼ lb. 20c.

SALOPIAN.—By far the best of the red varieties, of immense size, full open flower of most brilliant color. Has long stems and is in every way an ideal which cannot be surpassed. Pkt. 5c, oz. 10c, ¼ lb. 20c.

SADIE BURPEE.—A novelty of superior merit. Of perfect form and substance, large size and purest white. Don't fail to try it. Pkt. 5c, oz. 15c, ¼ lb. 50c.

SPLENDOR.—Flowers of large size and fine form; a soft shade of bright rose-pink, with deeper coloring in center of standard and inner portion of the wings. Pkt. 5c, oz. 10c, ¼ lb. 20c.

DOUBLE MIXED.—Saved from the best double flowered plants, and will produce a large proportion of flowers with double or triple standards. Better try them. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c.

PERFECTED MIXED.—Of graceful form, charming color, exquisite fragrance, and simple loveliness. This mixture contains many choice new varieties and some of the old favorites. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

FINE MIXED.—A nice mixture for a very low price. Why not plant a pound of the seed and revel in Sweet Peas this year. Pkt. 2c, oz. 5c, ¼ lb. 15c, lb. 35c, postpaid.

COLLECTION.—each of above 28 varieties for 80 cts.

PERENNIAL.—(*Lathyrus*).—A very popular perennial variety wherever known and it should be more generally used. Mixed colors. Blooms second year. Pkt. 5c, oz. 2c.

**SWEET WILLIAM.**

SINGLE MIXED.—Hardy plants about one foot high, of extreme richness and variety of color, and also deliciously sweet-scented; for clumps or borders no plant can surpass this old favorite. Our mixture is of the large flowered strain and contains many bright and beautiful colors and markings. Pkt. 5c.

DOUBLE MIXED.—Grows in same manner as the preceding, but the florets are finely double and full centered. While brightly colored and beautiful, they are not as popular as the single-flowered. Pkt. 5c.

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.

STOCKS.

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

LARGE FLOWERING PERPETUAL WHITE.—Of strong growth, fine branching habit, and, if sown early, will bloom from May until November. Flowers very large and pure white, and the more often they are cut the better they like it. Deliciously fragrant. Pkt. 1c.

LARGE FLOWERING DWARF GERMAN.—The most popular flower with our German customers. Our mixture contains a great variety of colors. Pkt. 5c.



PERPETUAL WHITE STOCKS.

SMILAX.

Much used for winter decorations; the seeds start slowly and should be planted in loose, rich soil, and kept moist and warm. Pkt. 8c.

VINCA.

(Pervinckle.)—A class of very pretty, free-flowering perennials with shining green foliage and beautiful flowers. May be set out in the garden in a warm situation during the summer and autumn months. Pot and take indoors before frost; perennials. Fine mixed. Pkt. 5c.



SENSITIVE PLANT.

and will produce much stronger plants than cuttings. Seed sown in the open ground will flower in August.

NEW CENTURY MAMMOTH.—Most beautiful colors, largest flowers and largest truss of any verberna, 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 verberna. Contains a great assortment of colors, the above 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.

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

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

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

WISTARIA.

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

TORENIA.

FOURNIERI.—Beautiful free flowering, trailing plants, well suited for baskets, vases, and in moist situations out of doors. A handsome plant, but not hardy. Pkt. 10c.

WHITLAVIA.

Delicate and pretty, but perfectly hardy plants, with drooping clusters of bell-shaped flowers. They thrive in cool, moist situations; free bloomers and for partially shaded places they are very desirable. Mixed colors. Pkt. 5c.

VENUS LOOKING GLASS.

A handsome, hardy annual, bearing numerous flowers from white to rose color and lilac. They grow readily from seed and used to be great favorites, although now seldom seen. Pkt. 5c.



SMILAX.



WALLFLOWER.



CENTURY MAMMOTH VERBENA.

VERBENA.

The verberna is deservedly a universal favorite, unrivaled in the splendor of its dazzling brilliancy of flower. A constant bloomer and if grown from seed has a sweet fragrance. Treat as tender annuals. Plant seed in boxes, or under glass in March, and transplant when a few inches high. In this way the verberna can be grown from seed as early as any annual.



WISTARIA.

WALLFLOWER.

Greatly prized for their exquisite fragrance. They grow in long, brilliant colored spikes of flowers. There are many varieties. Plants removed to pots in autumn will produce an abundance of delightfully fragrant flowers.

DOUBLE VARIETIES MIXED.—Pkt. 10c.

SINGLE VARIETIES MIXED.—Our mixture contains a great assortment of the best single and semi-double varieties. Pkt. 3c.

SCHIZANTHUS.

An easily grown plant, bearing quantities of gay, butterfly-like flowers, beautifully marked and spotted. The plants are such profuse bloomers that each branch looks like an immense panicle of lovely blossoms, and closely resembling some species of Orchids. Pkt. 5c.



WILD CUCUMBER.

WILD CUCUMBER.

A well known vine common in many sections, and the quickest climber known for covering verandas, old trees and houses, trellises, etc., never suffering from the heat, but retaining its fresh and lively green color; never infested with insects, and very profuse in bloom. It will sow itself and come up every year in the same place. Pkt. 5c, oz. 20c.

ZINNIA.

Strong growing, hardy and elegant plants, rivaling the dahlia in size and doubleness, while the colors are bright and varied, ranging from pure white to deep, purplish crimson. Splendid for hedges, beds or borders.

PIGMY or LILLIPUT.—This strain is the acme of beauty and perfection in zinnias. Plants small and of bushy growth, each one bearing scores of beautiful little blossoms of the most perfect shape and brilliant colors, from pure white to very dark orange purple, crimson and vermilion. These charming little zinnias are gems indeed and should be in every garden. Mixed colors. Pkt. 7c.

CURLED AND CRESTED.—A most unique and charming new variety with petals oddly curled and crested in fantastic contortions and graceful forms. Flowers large, double, and the peculiar shape of petal relieves the flower from stiffness. Many colors. Pkt. 5c.

FINEST DOUBLE MIXED.—Pkt. 3c.

NEW ZEBRA.—Beautifully and brilliantly striped with rich colors. There are always some plants which do not produce striped flowers. Very handsome. All colors mixed. Pkt. 5c.

XERANTHEMUM.

Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.

IRISH SHAMROCK.

The true Irish Shamrock seed imported direct from Ireland. Plant it on St. Patrick's day if weather is favorable. Pkt. 10c.

CHINESE HORN NUTS.

A large and most singular appearing nut, resembling buffalo horns, which is known botanically as *Trapa Nutans*. It is a native of China, and is largely used as a food there and in some parts of southern Europe. It is a swamp plant, and will grow well in a jar of water. An ordinary glass fruit jar will do. The nuts sprout in about ten days, and their growth is very interesting and rapid, and sometimes they produce quite pretty flowers. Can be grown in an aquarium. These nuts have been sold at the World's Fair and elsewhere at 10c to 25c each. We offer them in pkts. of 4 nuts for 15c.

JOB'S TEARS.

An ornamental grass known botanically as *Coix Lacryma*. Grows two to three feet high with broad corn like leaves and hard shining pearly seeds. Pkt. 5c.



CHINESE HORN NUT.

SPECIAL MIXTURE OF FLOWER SEEDS.

Many persons derive pleasure from watching the growth of a varied bed of flowers, entirely out of the usual trim garden style, while others desire a much more extended collection than their means will permit. To both of these classes the following special mixtures will appeal:

MIXTURE OF FRAGRANT ANNUALS.—Carefully made up from seeds of fragrant flowers only. A bed of these will give rich perfume throughout the day and evening while some of them are also suitable for cutting. Pkt. 10c.

MIXTURE OF CLIMBERS.—This is a liberally filled packet of seed of many beautiful annual climbers suitable for growing together. Pkt. 10c.

LOW GROWING ANNUALS.—This mixture contains seeds of a great variety of low growing annuals, few of which exceed four to six inches in height, and which, sown in beds or borders, 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, but by far the larger number are valuable acquisitions, we would like our customers to try them. 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 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. Everyone will be pleased with this mixture as it adds greatly to the beautiful appearance of the lawn. Price per ounce package only 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 everlastings into winter ornaments; they lend a grace and beauty not obtainable without them. Pkt. 5c.

All of the above mixtures are carefully prepared from choice fresh seeds, and cannot fail to give satisfaction. The packets are liberally filled, and in no other manner can so many seeds be obtained at such light cost.

FLOWER BULBS.



AMARYLLIS
FORMOSISSIMA.

MANY of the most showy, attractive, inexpensive and easiest grown of all summer and autumn flowers are contained in this important class. There are scarcely any other flowers that can compare with the noble and brilliant spikes of the gladiolus, the grace and elegance of the lily, the purity and sweetness of the tuberose, the majestic foliage of the caladium, and the wonderful markings of the tigridia. Bulbs for spring planting require scarcely any care, and quickly make a gorgeous display, while the bulbs can be kept over winter, and will year after year continue to return a hundred fold in beauty and satisfaction the trifling expense of the original cost. Our bulbs are large and strong, and will be sent well packed postpaid on receipt of price, except where noted. **Discounts.**—Your selection of bulbs to the amount of \$1.20 at catalogue prices will be sent postpaid for \$1.00; \$2.50 for \$2.00.

AMARYLLIS.

ATAMASCO.—Beautiful dwarf bulbous plants, very effective for masses or borders, flowering with great profusion during the summer. They are also most suitable for pot culture. Six bulbs clustered in a 6-inch pot in the autumn will give a fine display during the winter. The flowers are upright with broad petals, either pink or white. Each 10c.

JOHNSONII OR BERMUDA SPICE LILY.—Of strong, vigorous growth, bearing from three to six brilliant red flowers on each stem. The petals are striped with white, rendering the flower very attractive. Very fragrant. Each 50c.

FORMOSISSIMA. (*Jacobean Lily*.)—Of extremely rich, deep, velvety, crimson color. It is a free bloomer, and succeeds well either in pots or in the open ground. It blooms quite soon after planting in the soil. It can also be bloomed in water, like a hyacinth. They bloom year after year. Each 15c, 3 for 40c, doz. \$1.25.

TUBEROUS ROOTED BEGONIAS.

Of all the introductions of recent years none have received a heartier welcome than the giant-flowered, tuberous-rooted begonias which have been brought to wonderful perfection. The flowers frequently measuring from $4\frac{1}{2}$ to 6 inches across, and colors ranging from the purest white and the most delicate tints of pink, yellow and orange to the most intense scarlet and richest crimson, while the double-



THE BEAUTIFUL TUBEROUS-ROOTED BEGONIAS.

CALLA LILIES.

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 superb white flowers. Large bulbs, each 25c, 3 for 60c; medium size each 15c, 3 for 40c.

BLACK.—(*Solomon's Lily*.)—This is the wonderful Black Lily of Palestine which was for many years supposed to be a myth. The flowers are large, and sometimes as foot long and of rich velvety black, very striking and ornamental in appearance. Each 15c, dozen \$1.50.

YELLOW.—Everyone is familiar with the well-known White Calla Lily. This fine variety we now offer is identical with this in every respect, except the color, which is pure yellow, so that the great value of this grand novelty can be readily appreciated by all. Each 75c.

LITTLE GEM.—All that need be said about this sterling novelty is that it is a perfect miniature Calla growing 8 to 12 inches high and producing beautiful snow white blossoms. It begins to bloom when only a few inches high, in a 3 or 4 inch pot, blooms summer or winter, and sometimes shows a dozen flowers at once. Growing plants 15c each, 3 for 40c.

SPOTTED LEAF.—This is always an ornamental plant, even when not in flower, the dark green leaves being beautifully spotted with white; in other respects the plant is the same as the old favorite white Calla, except being of smaller habit. In addition to its usefulness as a pot plant it makes a fine thing for planting in the garden in the summer, being very effective. Each 10c, dozen \$1.00.



LITTLE GEM CALLA.



SPOTTED CALLA.

AMARYLLIS ATAMASCO.

flowering sorts are perfect rosettes, full and double to the center. Their culture is of the simplest, and, with the least regard for their requirements, will repay with such an abundance and brilliancy of bloom not equaled by any other class of plants; they delight in a rich, mellow, well-drained soil, where they can be liberally supplied with water, preferably in a position where they will be shaded from the direct rays of the sun during the hottest hours of the day, and will succeed equally well grown as pot plants for the conservatory or window garden. Choice single mixed colors, each 10 cents; dozen \$1.00; choice double mixed colors, each 20 cents; dozen, \$1.75.

BLACKBERRY LILY.

Pardanthus Sinensis.—Flowers are orange color spotted with brown, about 2 inches in diameter, followed by blackberry-like seed clusters; 10c; doz 85c.

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 grand tropical appearing foliage and wonderfully showy flowers, some of which are truly orchid-like. Each year we increase our acreage in these plants, but the demand usually exceeds the supply. The following were selected from the immense variety which we had growing on our place last summer, and they are kinds which we are sure will please everyone.

BURBANK.—The new American Orchid Flowering Canna. The flowers are truly gigantic in size, the upper petals spreading fully 7 inches and the form is really semi-double. Toward the inner part the petals show fine crimson spots, all the rest of the flower is of a most beautiful, rich canary-yellow. Height five feet. Green foliage. Each 15c, 3 for 40c, dozen \$1.20.

SHENANDOAH.—A splendid red or bronze-leaved variety, and the most unique novelty to date. The foliage is rich ruby red, exquisitely veined and tinted like some rare hothouse plant. It bears fine large trusses of beautifully waxy rose-pink flowers, and unlike other red-leaved sorts, is a most early and abundant bloomer, highly ornamental. Height four and one-half feet. Each 15c, 3 for 40c, dozen \$1.50.

AUSTRIA.—The new giant golden lily-flowered Canna. In truth a giant, with flowers 6 to 8 inches across, grows over six feet high, surmounted with glorious, golden, lily-like flowers, blooms very freely on straight, tall flower stalks. The plant is a remarkably strong grower. A small plant set out in the spring will make a monster clump six feet high by midsummer. Each 15c, 3 for 40c, dozen \$1.20.

GLORIOSA. One of the grandest and most beautiful varieties ever brought out. It is a dwarf growing sort, with long spikes of bloom and the individual flowers are immense. Color is rich crimson scarlet with a distinct golden band around each petal, blending so as to make a "perfect symphony of crimson and gold." It is a perpetual bloomer especially suited to plant as a border around the beds of taller sorts and for pot culture, as the plants are only two feet in height when in full flower. Green foliage. Each 25c, 3 for 65c.

LEONARD VAUGHAN.—Height five feet. Rich, deep bronze foliage. Very strong robust grower, flowers freely. Color bright scarlet without marking and with very wide petals, measuring 1½ in. The best dark foliage, good flowering canna to date. Each 20c, 3 for 50c.

ITALIA.—Height five feet. Large foliage of deep green, bordered white. Very large iris-shaped flowers, bright red, bordered with golden yellow. Belongs to what is called the orchid-flowered section. A grand sort. Each 15c, 3 for 40c, dozen \$1.20.

ALSACE, THE WHITE CANNA.—Height three and one-half feet. Green foliage. In this variety we have the nearest approach to a pure white canna. A wonderfully free bloomer and a fine, erect grower. Each 15c, 3 for 40c, doz. \$1.20.

MADAM CROZY.—Height three and one-half feet. Green foliage. Immense flower heads of deepest vermillion red, gold bordered. Produces a succession of closely filled trusses of flowers. Each 15c, 3 for 40c, dozen \$1.20.

PRESIDENT FAIVRE.—Height six feet. Flowers amaranth red; foliage bronze. A strong, erect grower, especially adapted to massing and centers of beds. Each 10c, dozen \$1.00.

QUEEN CHARLOTTE.—Height four feet. A choice variety with green foliage. Flowers rich orange scarlet with gold band. Each 15c, 3 for 4c dozen \$1.20.

CHARLES HENDERSON.—Height four feet. Green foliage. This we consider one of the finest bedding varieties in existence as it is of compact vigorous growth and a free bloomer throughout the season. Heads are very large and symmetrical and color a deep rich crimson. Each 10c, dozen \$1.00.



BURBANK.

FLAMINGO.—Height 2½ feet. Green foliage. Flowers large and of most intense clear solid crimson. Blooms freely and constantly. Each 25c, 3 for 65c.

J. W. ELLIOTT.—Flowers orange scarlet, borne on strong erect stem. Deep green foliage. Of vigorous habit. A splendid variety for all col-

lections. Each 15c, 3 for 40c, doz. \$1.20
FLORENCE VAUGHAN.—Height 5 feet. Dark green foliage. A most striking and beautiful yellow canna, spotted with bright red. Fine for bedding. Each 15c, 3 for 40c, dozen \$1.20.

CHICAGO.—Height 5 feet. Of largest size; color a brilliant vermillion, inclined to orange. Erect trusses of bloom, and blooms constantly. Each 15c, 3 for 40c, dozen \$1.35.

CHEVALIER BESSON.—Deep red flower, very attractive. The plant is of sturdy and vigorous habit, with bright green foliage and good size trusses of flowers on erect flower spikes. Each 25c, 3 for 60c.

AMI PICHON.—Large, bright red flowers, borne erect in fine well filled trusses. Plant of dwarf habit with beautiful dark green foliage, edged with a pleasing shade of pinkish red. Each 15c, 3 for 4c, dozen \$1.35.

ROBUSTA.—Well known and one of the most effective of all dark leaved varieties, although not a large flowering sort, it is valued on account of its luxuriant foliage. Its immense dark bronze leaves are 12 to 18 inch wide and 30 to 36 inches long. Height 8 feet. Each 10c, doz. \$1.00.

DISCOLOR.—Height 8 to 10 feet. Its mammoth leaves are of green marbled creamy yellow and bordered with rich, bronze red. Flowers small. This and Robusta are fine plants for center of beds. Each 10c, dozen \$1.00.

MIXED BEDDING CANNAS.

These consist of roots grown from tubers the names of which were lost in handling. While they were in bloom the colors were noted and we offer them in mixed colors. They make a beautiful show in beds or planted among other plants. Each 8c, doz. 85c.

CANNA BEDS.

Nothing is more showy or satisfactory than a nice bed of Cannas, and we cannot too strongly urge you to set out a large number of them this year. Both the foliage and flowers are beautiful and they bloom constantly. These plants being strong growers, require deeply dug garden ground, well enriched with rotten manure; soil with some mixture of sand is best. After planting, water sparingly for a few days, until the plants have taken root, when in full growth during hot weather they may be watered very freely. Set the plants 18 inches apart each way, using the taller ones (see height in description) for the center and the dwarfier kinds for outer circles with shortest ones at edge.

For a round bed 7 feet in diameter it will take 19 plants (3 kinds).

For a round bed 10 feet in diameter it will take 37 plants (4 kinds).

For a round bed 13 feet in diameter it will take 62 plants (5 kinds).

For a 7 foot bed we will send postpaid 19 plants in three different varieties, one for center, six in next row, 12 outside for \$1.75. For a 10 foot bed we will send postpaid 37 plants in four different varieties, one for center, six in next row, twelve next and eighteen for border for \$3.50. For a 13 foot bed we will send postpaid, or free by express 62 plants in five different varieties, 3 in center, 5 next row, 12 next, 18 next and 24 outside for \$5.50. The above special beds are entirely our selection of varieties, but are all choice sorts suitable for growing together and will make grand beds.





CRINUM KIRKII.

These showy flowers are again becoming popular favorites. Specialists have been quietly at work improving them for many years past and the result has been some most grand varieties. We grew an immense field of them last summer and everyone who saw them was astonished at their large size, fine coloring and great number of flowers produced. 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. We know of nothing more showy for table decoration than a loosely arranged bouquet of long-stemmed Dahlias. The secret of success in growing them lies in having a good, deep, mellow soil, deeply spaded and thoroughly enriched with well-rotted manure. During hot, dry weather we always give them an abundance of water, on the plant as well as at the roots. Sprinkling the foliage daily tends to a vigorous, healthy growth. Always put a strong stake by each plant and tie the plant. Don't fail to try a few. There is such an endless variety that we think best to list only a few of the best sorts. For best results start roots early in house. Late in the season when dry roots or tubers become exhausted, we then fill orders with strong rooted pot plants.

NYMPHÆA.—There is not a dahlia in existence exceeding this one in decorative value. Color a distinct, clear light pink, shading darker toward the outer petals. Inner petals nearly white; with no sign of yellow center. Exquisite finish; soft, waxy, delicate and graceful; quite fragrant. Plant is strong, vigorous and produces flowers in great profusion. Each 20c, 3 for 50c.

CRINUM KIRKII.

This magnificent bulb produces flowers of great beauty. Its leaves are wavy edged and radiate in the form of a rosette. Usually two flower stalks, each two or more feet tall, and of dark purplish color, are sent up at the same time, each bearing a large umbel, consisting of a dozen or more large lily-like flowers of great beauty and fragrance. The petals are broad and pure white, with a deep reddish purple stripe down the center of the outside of each, showing through faintly on the inside. A plant which will create a sensation anywhere when in bloom. Fine, extra large bulbs (such as have sometimes been sold at from \$3.00 to \$5.00 each) each \$1.00, 3 for \$2.50, postpaid; smaller bulbs 40c each.

CALADIUM.

ESCULENTUM.—(*Elephant's Ear*).—A splendid tropical plant growing 4 to 5 feet with immense leaves, beautifully veined and variegated with different shades of green. Very showy leaves, often growing 3 feet long. Of easy culture; roots can be stored in cellar in fall, and grow larger and more showy each year. Medium sized bulbs 10c, 3 for 25c; large bulbs 25c, 3 for 60c; mammoth 40c, 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 succeeded admirably if planted out of doors, when the ground has become warm, in partly shaded, sheltered borders, in well-enriched, light soil, while for exhibition plants at fairs, etc., during the summer and fall months, nothing can equal their beauty. Leaves variegated red, yellow, white, brown, green, etc. Many choice varieties mixed; each 15c, dozen \$1.50.

GIANT FLOWERING.—A mammoth variety, growing 7 to 10 feet high and having leaves sometimes 4 or 5 feet long and 2 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 30c.

BLEEDING HEART.

(*Dicentra or Dielytra*).—One of the most ornamental of spring-flowering plants, with elegant green foliage and long drooping racemes of pink and white heart-shaped flowers. Each 20c, doz. \$2.00

DAHLIAS.



SINGLE DAHLIA.

SNOWBALL.—Large, double, pure white. Handsomest and best of all white sorts. Each 20c, or 3 for 50c.

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. Entirely different from any other variety. Each 25c, 3 for 60c.

GOLDEN BALL.—A most beautiful, large, pure deep yellow flower, shaded with old gold. Perfectly double. No assortment is complete without this excellent variety. Each 20c, 3 for 50c.

CRIMSON KING.—A large ball shaped flower of most handsome, rich dark crimson glowing color, very double. Each 20c, 3 for 50c.

CLIFFORD W. BRUTON.—A new show dahlia of greatest merit. Extra large flowers of a bright golden-yellow, perfect in shape and form; very early. Each 25c, 3 for 60c.

NOTE. We furnish roots while in plants from pots whenever our stock of roots is exhausted. The plants from pots bloom equally as good as the roots; we plant them by the thousands annually. As the price for both is identical we will fill orders from either, as stock permits, at time the order is filled.

GRAND DUKE ALEXIS.—Without exception the most unique and grandest dahlia ever sent out. Astonished everyone who saw it growing on our place last summer. Flowers are of 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. We are doing our customers a favor in recommending it to them. Each 35c, 3 for \$1.00.

CLARIBEL.—Very large, bright royal purple with long stems. Fine for cutting. Each 25c.

QUEEN VICTORIA.—An extra fine show variety; deep yellow, quilled flowers. Each 25c.

BLACK FANCY.—Very dark crimson, shaded black. Each 20c, 3 for 50c.

KING OF FANCIES.—The finest variegated flower and one which will delight all flower lovers. Each 25c.

DOUBLE MIXED VARIETIES.—Contains a good proportion of best scarlet, yellow and white varieties, besides many other shades which are popular. Each 15c, doz. \$1.25.

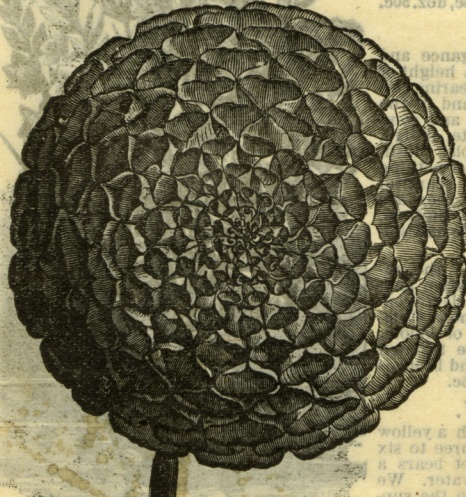
FANCY DOUBLE MIXED.—The handsome tipped, striped, spotted and variegated sorts in a splendid mixture. Each 25c, doz. \$2.25.

CACTUS DAHLIAS.—Mixed varieties. Each 15c, doz. \$1.50.

SINGLE DAHLIAS.—Many people prefer these to the double varieties, because of their grace, freedom of bloom, adaptability for bouquets, decorations and wherever cut flowers are used. They are certainly extremely useful. Mixed colors; each 15c, 3 for 40c.

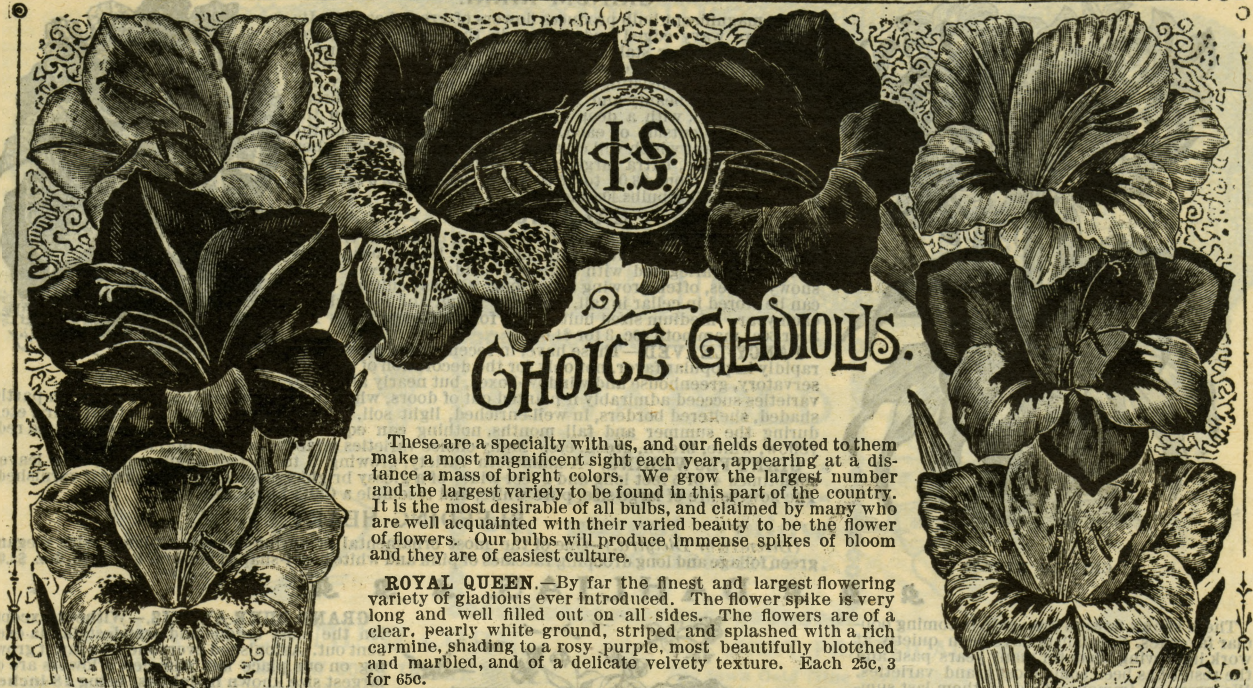


FERN LEAF BEAUTY DAHLIA.



GOLDEN BALL DAHLIA.

IF YOU WANT A LARGE LIST OF DAHLIA PLANTS ASK FOR SPECIAL PRICES.



These are a specialty with us, and our fields devoted to them make a most magnificent sight each year, appearing at a distance a mass of bright colors. We grow the largest number and the largest variety to be found in this part of the country. It is the most desirable of all bulbs, and claimed by many who are well acquainted with their varied beauty to be the flower of flowers. Our bulbs will produce immense spikes of bloom and they are of easiest culture.

ROYAL QUEEN.—By far the finest and largest flowering variety of gladiolus ever introduced. The flower spike is very long and well filled out on all sides. The flowers are of a clear, pearly white 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 25c, 3 for 65c.

AFRICAIN.—Darkest crimson-black, with a pure white blotch in the throat. The darkest and one of the finest colors; large flower and spike. Each 10c. doz. 90c.

EUGENE SOUCHET.—Bright rose color, relieved by a large white blotch and stripes rising from the intense color at the edge of the petals. Each 5c. doz. 50c.

MEYERBEER.—Rose scarlet with amaranth red blotch. Each 10c. doz. \$1.00.

BRENCHELEYENSIS.—Deep vermillion scarlet. Each 4c. doz. 40c.

ISAAC BUCHANAN.—Best of yellow varieties. Each 5c. doz. 50c.

LEMOINE.—Upper petals creamy white, tinted salmon red; lower ones spotted with deep purplish crimson, bordered with bright yellow. Each 5c. doz. 50c.

MARIE LEMOINE.—Upper divisions of a pale cream color, flushed salmon lilac, the lower divisions spotted purplish violet, with deep yellow border. Each 10c. doz. 90c.

SALMON PINK.—A handsome new variety of pure salmon pink color. Attractive. Each 5c. doz. 50c.

NORMA.—Nearly pure white. Best for outdoor growing. Each 7c. doz. 65c.

MT. PELEE.—A grand novelty now offered for the first time. By all odds the finest red variety in existence. Color bright flamingo red. Flowers of immense size. Each 15c. doz. \$1.50.

COLLECTION OF GLADIOLI.—Six choice named varieties, our selection of sorts, but all labeled, containing an assortment of colors. Also one packet of gladiolus seed of our own growing, carefully hybridized so as to produce new varieties; bloom second year. All for 25c, postpaid.

HYACINTHUS CANDICANS.

Has a stem 3 or 4 feet high, which bears quantities of drooping, ivory white, bell-shaped flowers of delicate fragrance. Strong bulbs, giving two or more spikes; the number of flowers varies from 20 to 60 each. The appearance is like Giant Snowdrops. Very suitable for cemetery decorations. Each 5c. doz. 50c.



HYACINTHUS CANDICANS.

IRIS.

JAPANESE.—*Kaempferi*.—Marvels of elegance and stateliness. Think of a plant sending up to a height of three feet a dozen flower spikes, each spike bearing two to four blossoms eight or ten inches across, and of the most delicate and beautiful colors, markings and combinations. Think of a bed of all colors—white, indigo, violet, lavender, mauve, sky-blue, royal purple, blush, yellow, etc. Your imagination can conceive of nothing grander, and they are even more grand and beautiful than your imagination can portray. Once they are planted in your garden they are a joy for a lifetime, blooming profusely in June and July. Double and single mixed. Each 15c; doz. \$1.25.

GERMAN IRIS.—The true "Fleur-de-Lis," the national flower of France. Perfectly hardy, thrive anywhere, grow and bloom luxuriantly, particularly if plentifully supplied with water, or if planted in moist situations. Plants produce from 50 to 100 spikes of bloom, fragrant and fine for cutting. Colors range through yellows, purples, blues, claret, reds, white and bronzes of every imaginable shade. Each 10c; doz. 85c.

CHINESE SACRED LILY.

Very handsome. The flower is white, with a yellow tinted cup. The bulbs are large with from three to six various-sized offsets, and nearly every offset bears a flower stalk. Usually grown in a bowl of water. We can furnish them till the last of March, when the supply is usually exhausted, and we do not have more until fall. Each 15c.

GROFFS HYBRIDS MIXED.—The floral papers have been full of the praise of this new class of gladiolus and we have therefore grown a large number so that we could offer them at a reasonable price. All colors mixed; large bulbs. Each 6c. doz. 60c. Second size; each 4c. doz. 30c.

LEMOINE MIXED.—Often called Butterfly Gladiolus. These have odd and fantastic markings and resemble the fascinating beauty of Orchids. The varieties comprise a grand combination of colorings. Large bulbs. Each 6c. doz. 60c. Second size; each 4c. doz. 30c.

PINK, STRIPED AND VARIEGATED VARIETIES MIXED.—Each 5c. doz. 40c. Second size; doz. 25c.

RED VARIETIES MIXED.—Each 5c. doz. 40c. Second size; doz. 25c.

WHITE AND LIGHT VARIETIES MIXED.—Each 5c. doz. 40c. Second size; doz. 30c.

YELLOW VARIETIES MIXED.—Each 5c. doz. 50c. Second size; doz. 40c.

CHOICEST MIXTURE.—Made up mainly from best named sorts. We are sure our customers will be pleased with this mixture. Large bulbs. Each 5c. doz. 50c, 100 for \$3.00. Second size; each 3c. doz. 25, 100 for \$1.75, postpaid.

FINE MIXED.—A nice assortment. Each 4c. doz. 35c. Second size; doz. 20c.



LEMOINE GLADIOLUS.

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 easy of 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 often 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 15c, doz. \$1.20; extra large bulbs each 25c, doz. \$2.50.

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.

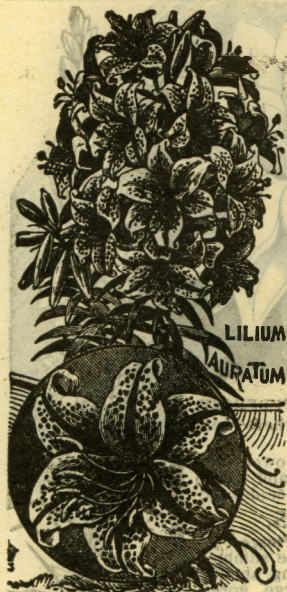
SPECIOSUM ALBUM.—Has large white flowers of great substance, beautifully recurved. Each 20c, 3 for 50c.

TIGRINUM SPLENDENS.—An improved Tiger Lily growing sometimes six feet high and producing large pyramids of orange red flowers spotted with black. Each 10c, doz. \$1.00.

HARRISII. (*The Bermuda Easter Lily.*)—This mammoth white trumpet lily, with flowers 4 to 5 inches long, is the best of all lilies for winter forcing and flowering, because its grand trumpet shaped flowers, which give forth a delicate perfume, are wonderfully beautiful and expressive. When planted in the open ground should be well protected during the winter. Each 15c, 3 for 40c, doz. \$1.50.

CANDIDUM.—The old fashioned pure white garden lily. Very hardy. Flowers snow white with very heavy yellow stamens and sweet fragrance. Bears from 3 to 20 blossoms. Each 15c, doz. \$1.50.

THUNBERGIA ELEGANS.—A strong grower, dense foliage; 3 feet high; flowers upright, cup-shape and borne in clusters of 5 to 12. Color a dark orange spotted brown. Perfectly hardy. Each 15c, doz. \$1.50.



DOUBLE TIGER LILY.—A double form of the old Tiger Lily. The flower is densely double, color orange red, spotted with black. Blooms freely and should be more largely grown. Each 15c, dozen \$1.35.

ORANGE LILY.—Similar to Lemon Lily, but of a dark orange color. Each 15c, doz. \$1.25.

LILY OF THE VALLEY

A well-known and universally admired spring flowering plant; flowers bell-shaped, freely produced and powerfully fragrant. To grow in open ground, select a partly shaded rather moist situation, and they are charming when grown in large patches, as their handsome green leaves and lovely sprays of flowers make a beautiful effect together. When once planted and established, the crowns increase in number and the larger ones flower each year without attention. Now is the time to set out a bed of these delightful flowers. Our price is low for choice stock such as we send out. Four strong roots for 15c, dozen 40c.



LILY OF THE VALLEY.

MONTBRETTIA CROCOSMIFLORA.

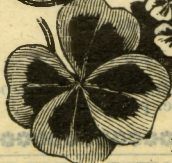
This is one of the most floriferous and showy of summer-flowering plants, and destined to great popularity. Planted six inches apart in a group in a sunny position and allowed to remain undisturbed for several years, they form magnificent clumps, producing in great numbers, graceful spikes bearing from 18 to 30 showy star-shaped flowers of orange suffused with red. They flower freely the first season. Each 5c, dozen 40c.

NEW GIANT FLOWERED GLOXINIA.

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 repotted when wanted for the next season. Each 15c; \$1.50 per doz.

OXALIS.

DEIPII ROSEA.—Have somewhat larger flowers and foliage than the D. Alba. Leaves greatly resemble four-leaved 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 borders. Doz. 10c; 100 for 50c.



OXALIS DEIPII.

a neat and attractive border the whole season. Doz. 10c; 100 4c.

DEIPII ALBA.—Valuable for edging borders, walks or flower beds as the beautiful summer oxalis. Bulbs, when planted 3 inches apart, produce an unbroken row of elegant foliage and pure white flowers, and as they bloom quickly after planting, furnish



TENUIFOLIUM.—The lovely Coral Lily of Siberia. The brightest of all lilies, of shining coral red color. Foliage finely cut. This is indeed a little beauty. Each 15c, dozen \$1.25.

LEMON LILY.—The flower is about three inches in diameter, clear lemon yellow color; perfectly hardy and very satisfactory. Has most delightful lemon fragrance; each flower stem bearing 7 to 20 flowers. Each 15c, doz. \$1.50.

MADERIA 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, 6 for 25c; 45c per doz, postpaid.



DOUBLE TIGER LILY.



LILYUM HARRISII.

REMEMBER THAT BULBS CAN BE KEPT THROUGH THE WINTER AND YOU DO NOT HAVE TO BUY NEXT YEAR.



OXALIS.

DOUBLE YELLOW.—This handsome new variety is well shown in our engraving and makes a most attractive plant for hanging baskets, vases, etc. Several bulbs should be planted together and will then make a grand showing. Not hardy. Each 8c; 75 cents per dozen.

TUBEROSES.

NEW EXCELSIOR PEARL.—The Tuberose is justly a universal favorite and very easily grown. The New Excelsior Pearl Tuberoses have been selected with 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; doz. 40c; 100 for \$2.65, postpaid.

DWARF PEARL.—These are similar to the above, but not as carefully selected and grown. We sold many thousands of them however, last year and customers everywhere were pleased. Each 3c; doz. 25c; 100 for \$1.50, postpaid.

VARIEGATED-LEAVED.—Leaves are bordered with creamy white; flowers single, but very large and of exquisite fragrance. Bulbs continue to grow and bloom year after year. Blooms several weeks earlier than the other sorts. Each 5c; doz. 45c.



EXCELSIOR PEARL TUBEROSE.

TIGRIDIAS.

Peacock or Shell Flower.

Extremely handsome summer-flowering bulbs, growing about 2 feet high, producing large, gorgeous flowers, exquisitely spotted; they flower very freely throughout the summer. The center of the flower is a large cup, surrounded by three large, flaring, pointed petals with three smaller petals between. They are of various colors, red, white, yellow, etc. handsomely spotted. Each 5c; doz. 50c.

THEY ARE ALL RIGHT.

I got a dozen Tuberoses of you last spring. They all bloomed and were beautiful; also pleased with seeds and bulbs received.—Mrs. W. H. Forman, McFall, Mo.

PAEONIES.

These old favorites are again becoming quite popular. We list a number of the best varieties on page 124 of this book. Our finest mixture contains many of the most desirable American and foreign sorts, and it will pay you to put in a large bed, or border your drive with them this year. Each 20c; doz. \$2.00; 100 for \$12.50, delivered charges prepaid to your nearest express office.

TRITOMA.—*Uvaria Grandiflora.*

Flaming Torch, or Red Hot Poker Plant.

At all floral exhibitions, and when sent as cut-flowers to market, this plant attracts great attention. It grows from four to six feet high; the flower-spike is often five feet high, and the flower measures twelve to fifteen inches long and twelve inches in circumference. They are a dazzling scarlet, lower half of flower tinged with rich orange. Each 20c; 3 for 50c.



CANNAS.

(Omitted on page 94 for lack of room.)

STAR.—A dwarf, compact grower, rarely exceeding 2½ feet in height, and is a perpetual bloomer summer and winter if kept growing; large flowers in compact panicles; colors rich, glowing orange scarlet, faintly banded with golden yellow. Each 15c; 3 for 40c; doz. \$1.20.

PEACHBLOW.—Height 3½ feet with green foliage. In every way a desirable variety with flowers of a beautiful soft shade of "peachblow pink." Each 15c; 3 for 40c; dozen \$1.20.

SCOLLAY'S RUBBER SPRINKLERS.

Indispensable for floral work. Excellent for washing the foliage of house plants. Standard size.....\$1.00 Small size.....60c Same postpaid.....1.10 Same postpaid.....70c

TYRIAN PLANT SPRINKLER.

With it you can, without injuring the plants or soaking the earth quickly sprinkle them. It will render valuable aid in keeping the foliage fresh and healthy and free from insects of all kinds. The bent neck enables you to spray the under side of the leaves which are usually the insect's hiding place. 75c. postpaid.



"God has given us a beautiful world and it is our duty to assist in beautifying it by arranging the trees and flowers so as to make a picture."

WINTER BLOOMING BULBS.

Some of the most beautiful and fragrant of all the flowers grown belong to this class, and when potted in the house, they come in bloom just at the time when flowers are most wanted and most difficult to obtain. Our bulbs arrive from Holland about Sept. 15. The best way is to order during the spring or summer, then your order will be filled as soon as bulbs are received. We name only a few kinds here. You should send for fall catalogue which contains a full descriptive list. Ready September 1st.

Hyacinths.—Either double or single mixed. Each 8c; doz. 85c.

Tulips.—Double or single mixed. Each 4c; doz. 30c.

Narcissus, or Daffodils.—Mixed varieties. Each 5c; doz. 50c.

Crocus.—Mixed colors. Doz. 10c.

Scilla Siberica.—Each 4c; doz. 35c.

Chinese Sacred Lily.—Each 15c.

Snowdrops.—Single—extra fine bulbs, 15c. per doz. Double—extra fine bulbs, 25c. per doz.



RESURRECTION PLANT.

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. Each 10c, 3 for 25c.



1903 COLLECTION Of Five Choice Flower Plants

FANCY LEAVED CALADIUMS.

Of all the ornamental plants in greenhouses there are none more strikingly beautiful than the Fancy Leaved Caladiums and they are unrivaled for decorative purposes. Their beautifully shaped and glossy foliage is elegantly variegated in the most telling manner. One, perhaps, is regularly dotted with round raised spots of white; another is ribbed and veined with pink or scarlet or yellow, while still another is flashed or marbled with white or shaded almost black. In fact the immense leaves are so marked with delicate and vivid colors as to make them as showy as great and peculiar flowers. The small early leaves do not always show all the fine colors of the large ones which come later. Start bulbs early in a warm place and do not put out of doors before the last of May. Many choice varieties mixed, only 15c each, \$1.50 per dozen.

Illustrated in colors on page 100 of this catalog. We send the five postpaid for only 40c, although they are really worth more than double that amount.

CAMELIA VINE.

Our illustration gives but a faint idea of the great beauty of this elegant climbing plant from China, as our artist in his colored plate could not do it justice. The Camellia, which for many years was even more popular than the rose for the most elegant cut flower work in large cities, is a plant so difficult to grow and flower satisfactorily that the florists have most of them discontinued their culture, although when obtainable they are still, and always will be, considered the ideal flower for noble shape and rich coloring. In the Camellia vine (*Calystegia Pubescens*) we have a flower of true Camellia shape and size, nearly 3 inches in diameter, perfectly double and of most beautiful delicate rose color. Of easiest culture, growing well in any soil or location, but it appreciates and amply repays good treatment. Vine is of rapid growth, quickly covering trellis or porch and growing to a height of 15 to 20 feet. For best results vines should be set 12 to 18 inches apart around porch. Perfectly hardy, roots living over winter in ground and have withstood a temperature of 30 degrees below zero without protection. Leaves are lance shape, of dark green color, and lap over each other like shingles so as to soon form a dense screen. Very few people can succeed in growing the old-fashioned Camellias without a hothouse, but no one can fail with the Camellia Vine. Blooms continuously from May to October and pleases everyone. Each 15c; doz. \$1.50.

GOLDEN WEDDING CHRYSANTHEMUM

Although not a new variety, it is considered the largest and best golden yellow variety which has ever been introduced. It always attracts great attention in the Chrysanthemum shows which are held annually in all large cities; for its marvelous size, massive appearance and its striking color which is an intense rich golden yellow, almost dazzling in appearance. Petals are long, broad and the flower is double; Ten inches in diameter. Each 15c.

BOSTON FERN.

One of the best novelties ever sent out. Highly decorative. See description on page 72 of this book. Each 25c.

REMARKABLE GERANIUM.

It is really a remarkable sort. As will be seen by our illustration, the habit of growth is dwarf and compact, making this variety one of the most desirable for pot culture. Has perfect trusses of miniature rosebud florets, which are wonderfully attractive and pleasing. Color brightest possible scarlet crimson. Each 15 cents.

COLLECTION.—One plant each of the above five novelties for only 40 cents.



REMARKABLE GERANIUMS.

Electric Collection.

The collection of flower seeds illustrated on the other side of this sheet we predict wonderful popularity for, and are sure that it will greatly please all who try it. Pkt. of each 35c.

ELECTRIC LIGHT PLANT.

Near the 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 last summer 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.

ARCTOTUS GRANDIS.

A remarkably handsome flower shown on colored plate and described on page 66 of this book. Per pkt. 10c.

CLIMBING MAIDEN HAIR FERN.

We know that we are doing our customers a favor by advising them to grow this fine climber which has been known under the name of *Adiantum Cuneifolium*. We have therefore given it a more appropriate name. Everyone who has seen it growing on our place has admired it and its striking resemblance to the foliage of the Maiden Hair Fern has often been mentioned. It is a hardy biennial climber, growing readily from seed, and the foliage is feathery, dainty and picturesque. It grows to a height of 12 to 15 feet and the foliage is nice to use with cut flowers. It blooms the second year, bearing panicles of drooping pink and white flowers which almost cover the plant. Will grow in the shade. Plant in cool, moist place. Pkt. 10c.

MEXICAN BURNING BUSH.

Everyone who visited our trial grounds last summer was impressed with the beauty of this plant. For the first few months the plants, which are of round tree-like form, resemble closely trimmed arbor vitae hedge plants, but the foliage is much more dense and as fine as that of the cypress vine. Color beautiful light green. Early in the fall thousands of minute bright scarlet flowers burst out and the plants become veritable balls of fire. Unequaled for growing in continuous rows for hedges or borders. Easily grown from seed. Pkt. 10c.

GOLD AND SILVER FLOWER.

Each year we test many novelties from various parts of the world, and last season received seed of a plant which grows in certain parts of New South Wales. The plant is known botanically as *Polycaulna*, but it has not heretofore been introduced into the United States. We were much surprised and pleased at the beauty of this flower. The plants have long narrow leaves while the flowers somewhat resemble small quilled asters about 1½ inches in diameter or just the size of a silver dollar. The plant is literally covered with these flowers, our cut being a very poor illustration of the bush. The flowers are silvery white while in the center the petals are yellow, thus giving the appearance of a five dollar gold piece laid in the center of a new silver dollar, which at a few feet distance is quite striking, and has given the plant the name of Gold and Silver Flower. It is intensely double; blooms freely and is decidedly ornamental not only in the beds where grown, but also for cut flowers. This is not all however, as the flowers not only retain their beauty like other flowers when kept in vases, but they are really an everlasting, and look just as pretty when dry as when picked fresh from the field, so that the cut flowers can be kept in good condition not only all winter but for years. Plant grows about 18 to 20 inches high. It grows readily from seed, which should be sown in May as soon as the soil becomes warm, or it can be started early in the house and set out at proper season and this will give it a longer season of bloom. Per pkt. 25c, five pkts. for \$1.00.

COLLECTION.—One full sized packet each of the above five novelties for 85c.



FANCY LEAVED CALADIUMS.



GOLD AND SILVER FLOWER.



ELECTRIC COLLECTION

- 6 ELECTRIC LIGHT PLANT.....10¢ per PKT
- 7 ARCTOTIS GRANDES.....10¢ "
- 8 CLIMBING MAIDEN HAIR FERN 10¢ "
- 9 MEXICAN BURNING BUSH.....10¢ "
- 10 GOLD & SILVER PLANT.....25¢ "
- THE ABOVE 5 ONLY.....35¢

1903 COLLECTION

- 1 FANCY LEAVED CALADIUM.....15¢
- 2 CAMELIA VINE.....15¢
- 3 BOSTON FERN.....25¢
- 4 REMARKABLE GERANIUM.....15¢
- 5 GOLDEN WEDDING CHRYSANTHEMUM 15¢

THE ABOVE 5 PLANTS FOR 40¢ POSTPAID

FLOWER PLANTS.

For the past few years we have devoted special attention to the growing of flower plants exclusively for the mail order trade, as for this purpose they require special culture in greenhouses kept at a low temperature so that they will be hardy, healthy and vigorous. Plants grown in the high temperature at which most florists are obliged to keep their houses in order to produce cut flowers, grow so rapidly that they are soft, succulent and not fit for sending through the mails. The common hothouse grown plants are ill prepared to stand shipment or the great change of temperature to ordinary house culture or outdoor bedding. This year we have added several new greenhouses to our place, besides cool storage rooms for dormant plants. We are filling orders constantly from every state and also from various parts of Canada, Mexico, etc. Our system of packing is so very complete that plants arrive in almost as perfect condition after traveling many hundreds of miles as they were when packed.

TERMS AND DISCOUNTS.—At prices named we send plants postpaid. Orders for plants must amount to at least 25c. We will furnish plants amounting to \$1.20 for \$1.00, \$2.50 for \$2.00, \$7.00 for \$5.00.

WE GUARANTEE.—That plants ordered from this list will reach purchasers in any part of the United States in good order if sent by mail or express.

NOTICE.—We ship all plants as soon after order is received as weather permits. Bedding plants we will hold until the usual season for setting out. If ordered for immediate shipment they will be sent at purchaser's risk.

ANTIGONON.—This splendid climbing plant is sometimes called the "Queen's Wreath" or "Mountain Rose." It is a native of Central Mexico and is hardy throughout the southern states, but requires some protection in the north. The vines are killed down by the frost but come up again from the roots in the spring. It is a rather rapid grower and produces long racemes of handsome carmine colored flowers which somewhat resemble bunches of grapes; flowers are produced in great profusion from June until frost. Strong plants, each 15c.



ANTIGONON.

ASPARAGUS PLUMOSUS NANUS.—One of the handsomest of our foliage plants for pot culture, beautiful the year round, and there is no more decorative plant in entire list. Easily grown even in a north window. Leaves are bright green, gracefully arched, as finely woven as the finest silken mesh; their lasting qualities, when cut, are remarkable, retaining their freshness for weeks, hence ranks as the most valuable plant we have for this purpose, surpassing Maiden Hair Ferns in many respects. Each 15c, large 25c.

ASPARAGUS SPRENGERI.—A splendid new plant for hanging baskets or pots, making great pendulous masses of fine feathery foliage, exceedingly graceful and beautiful, in a very short time. Each 15c, large plants 25c, extra strong plants 40c.

ALTERNANTHERAS.—A very bright colored, dwarf growing foliage plant, largely used for carpet bedding, borders, etc; four best varieties. Each 10c, doz. 75c.

ARTILLERY PLANT.—A very neat and pretty plant, resembling some of the ferns in general appearance. Its graceful habit makes it very desirable for baskets and vases. Quite interesting and of easy culture. Two varieties. Each 10c.

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 are produced in great abundance. Each 15c.

NEW DOUBLE ABUTILON—Thompsonii Plena.—Instead of a single bell-shaped bloom like all other kinds, this has a perfectly double flower resembling a double hollyhock in form and of rich deep orange color, shaded and streaked with crimson. Foliage handsomely variegated. Each 15c.

ABUTILON—Golden Fleece.—The best yellow variety in existence, of dwarf habit, symmetrical growth and a very free bloomer. Makes a grand effect. Each 15c.

ABUTILON—Erecta.—A compact growing and very free flowering variety. Color is a beautiful soft pink, changing into orange; one of the prettiest colors known. Each 15c.

NEW
ABUTILON
SAVITZI

ASPARAGUS PLUMOSUS NANUS.



VARIEGATED SWEET ALYSSUM.

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 distances makes it a plant of rare value for house or conservatory decoration. Must be sent by express; too large to mail. Each \$1.00, \$2.00 and \$3.00.

ACHYRANTHES.—Dwarf growing foliage plants, valuable on account of their beautiful colored leaves. They are most effective when massed on the lawn or used with coleus. Color, a deep blood red. Each 10c, doz. 75c.

VARIEGATED SWEET ALYSSUM.—A charming little novelty, the flower having all the sweet grace and beauty of the common Sweet Alyssum, being pure white and produced in numerous spikes which cover the plant. Quite fragrant. It has the further advantage of beautifully variegated green and white foliage and is attractive at all times for borders, bedding or pot culture. Each 10c, doz. 90c.

WHITE SWEET ALYSSUM.—Nice little pure white flowers. Valuable for baskets, vases and borders. Each 10c.

TWELVE ACRES

—IN—

..FLOWERS..

We invite flower lovers to visit our floral trial grounds where twelve acres are devoted to flowers from all parts of the world. It is a revelation of the beauties of nature unsurpassed in any part of the west.

ABUTILON—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, bell-shaped flowers with which the plant is always covered. It is most admirably adapted as a border for Canas, Geraniums, and other taller growing plants. Each 15c, four for 50c.

ABUTILON—Eclipse.—A most charming trailing variety, well shown by our illustration. The foliage is elegantly pencilled, marked with dark green and yellow—a fine contrast, while the pendulous, bell-shaped flowers are bright yellow with crimson throat. An excellent plant for vases and hanging baskets as well as for rockeries. Each 15 cents.

ANTHERICUM PICTURATUM.—A fine decorative plant for vases or baskets and as a pot plant it will enrich any collection. The leaves are deep green, broadly striped with pure white, thus giving it a splendid effect. It is a strong, vigorous, rapid grower and bears many spikes of small star-like flowers. Ea. 20c.



ECLIPSE ABUTILON.

WE SEND EXTRA PLANTS FREE WITH EACH ORDER.

BRYOPHYLLUM—(*Sprouting Leaf*).—One of the most curious plants it has ever been our privilege to grow. The leaves are thick and heavy. When cut and placed in moist soil little plants start from the notches in them, and make strong plants in a very short time. When in bloom it presents a very odd and interesting appearance; first, long, green, red-striped pods are formed, through this breaks a pointed tube of a dull red shade. Blooms are produced in great profusion. Each 15c.



BRYOPHYLLUM.

BOSTON IVY (*Ampelopsis Veitchii*).—This very attractive clinging vine will be readily recognized by our customers when we remind them that its glossy ivy leaves overlap each other and its long, delicate young shoots stretch up the stone wall of our finest city residences. The tendrils at nearly every joint cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The handsomest vine possible for growth on house walls, especially the foundation and the first story, round the doors and windows. It is quite hardy, but some protection of straw may well be used immediately around the plant in winter. It becomes more popular every season, and is without question one of the very best climbing plants for covering brick, stone or wooden walls, that can be grown. Each 15c, large plants 25c.

CHENILLE PLANT—*Acalypha Sanderii*.—A most striking ornamental plant. Is a native of the South Sea Islands, of rapid growth and blooms continuously. The plant is of branching habit, healthy foliage and flower spikes which appear in pairs from the axils of the leaves, grow from two to three feet in length. They are of bright crimson color, drooping and mixing among the green foliage with charming effect. It will be extensively used as a pot plant. You will find it a most unique and sensational bedding plant on the lawn or borders. Do not plant too close together or near others, or its striking effect will be lessened. Can be lifted in fall and will make a fine show in the house during the winter. Strong, well established plants 25c each, five for \$1.00.



CHENILLE PLANT.

PRINCESS PAULINE AGERATUM.—A most distinct and novel variety of dwarf compact habit, rarely exceeding five inches in height, its peculiarity being that both colors, blue and white, are combined in the same flower. This pretty variegation gives the flower a most charming appearance, and it is one of the most distinct and beautiful new bedding plants now on the market. It is free flowering the entire season and very bright and pretty. Each 10c.

CRIMSON VELVET PLANT.—(*Gynura Aurantiaca*).—This is one of the rarest and most beautiful foliage plants in cultivation. Of very robust and branching growth, yet remains dwarf and compact. The leaves and stems are entirely covered with minute hairs, which reflect the new and beautiful shades of colors—such as orange, crimson, purple, blue, green—a veritable kaleidoscope, changing its hues with every movement of the foliage. It is so strangely beautiful that flowers seem superfluous, yet they are produced. Desirable for pot culture, vases or bedding. Each 15c, large plants 25c.



AMPELOPSIS VEITCHI.

ALFRED NEUNER BOUVARDIA.—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. Some consider it the best of all winter blooming plants. They are quite rare and will attract attention anywhere. Each 20c.

MOON FLOWER.—A handsome climber growing to height of 25 to 40 feet, and covered nightly and on dull days with its white, moon-like flowers 5 to 6 inches in diameter. Each 15c.

NIGHT-BLOOMING CEREUS.—This gorgeous cactus bears abundant blossoms measuring 12 inches across. Very fragrant. Each 25c.



PRINCESS PAULINE AGERATUM.

CAREX JAPONICA.—A first-class novelty and an excellent plant for house and table decorations; forms a mass of erect-growing, fine, spray-like foliage, drooping gracefully from the center. The delicate dark green leaves are beautifully edged, as with a band of gold. Each 15c.

HOYA, Carnosa (*Wax Plant*).—The well known house climber, with thick fleshy leaves and curious, waxy flowers. Each 25c.

ICE PLANT.—Interesting from its being covered with ice-like crystals. Flowers very pretty. Each 10c.

IMPATIENS SULTANA.—Most beautiful flowering plant, producing waxy, bright flowers almost continually, winter and summer; suitable for either pot or garden culture. Plant is of compact growth and almost a perpetual bloomer. Flowers are 1 to 1½ inches in diameter and vary from a delicate pink to brilliant rose scarlet. Each 15c.

JUSTICIA.—A strong growing plant, bearing large, feathery, plume-like pink flowers. Each 15c.

MUSK PLANT.—Many persons are fond of the musk odor though it is not as much used for perfume as it was 25 years ago. This is the true Musk Plant and has a refreshing, delightful fragrance which becomes quite strong and pervading when the leaves are rubbed. It is a pretty little plant and of much value for pot culture and bedding; flowers yellow. Each 10c.

MOUNTAIN PINK.—A fine plant for basket or rockeries. Flowers bright pink, two inches in diameter. Each 10c.

OLEANDER.—Well known tree-like plant bearing handsome flowers. Each 25c, large size 50c.



ALFRED NEUNER BOUVARDIA.

ROSES ARE ALWAYS DESIRABLE. PLANT LOTS OF THEM THIS YEAR.

BEGONIAS.

There is nothing more showy or desirable than a collection of the flowering and ornamental leaved begonias.

PROFUSION.—A new French variety of vigorous growth; flowers bright pink, produced evenly all over the plant. One of the finest for house or summer bedding. Each 15c.

FOURNAISE.—Flowers produced in large drooping panicles, bright red, resembling those of old Begonia Fuchoides, but twice as large. Each 10c.

VERNON.—Of unusual value for bedding, as it will stand the hot summer sun. The flowers are of a brilliant deep red color; the foliage is very abundant, deep and glossy and of a fine green color, spotted and margined with bronzed purple. Each 10c.

TUBEROUS ROOTED.—The giant-flowered, tuberous-rooted begonias have been brought to wonderful perfection. These flowers sometimes grow six inches in diameter, are borne upright on stiff stems, and of the richest colors, embracing every shade of white, rose, pink, red, scarlet, crimson, maroon, lake, yellow and orange. Tuberous begonias are well adapted to house culture and make splendid beds on the lawn. Choice double and single varieties mixed. Each 15c, doz. \$1.50.



VERNON BEGONIA.



TUBEROUS ROOTED BEGONIA.

MADAM DE LESSEPS.—Has very large leaves of silky texture and beautifully spotted with silver. Flowers pink and white. Ea. 15c.

MARJORIE DAW.—A beautiful trailing variety; its bright salmon-pink flowers are produced in broad panicles, drooping down from under the foliage. A rapid grower with bright green "angel-wing" leaves. Ea. 15c.

MINIATA.—A beautiful variety of upright bushy style of growth; flowers bright scarlet; very free flowering. Each 10c.

REX—The Rex or King Begonias may well be called the king of foliage plants and they make a magnificent showing with their rich, lustrous tints, tropical looking leaves. Choice varieties. Each 20c.



REX BEGONIA.

LOUISE ERDODY.—One of the finest of the Rex class. Each 25c.

BERTHA.—An upright growing variety, with bright green leaves; flowers a beautiful currant red. Very floriferous and a charming variety. Each 15c.



ARGENTEA GUTTATA BEGONIA.

ALBA PICTA.—Leaves glossy green, thickly spotted with silvery white; flower white. Each 15c.

McBETHII.—Foliage fern-like. Panicles of pure white flowers produced in the greatest profusion. It is the most persistent bloomer of the begonias. Each 10c.

THURSTON.—A beautiful stately plant. Under side of the leaves is a rich, purplish red, the veins very prominent; upper side bronzy green shaded with crimson olive; flowers rosy white; large clusters. Each 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 white. Each 10c.

RUBRA.—Fine constant bloomer, rosy scarlet. Each 10c.

SEMPER FLORENS GIGANTEA ROSEA.—Superb variety, strong and upright; large cardinal red flowers. Each 15c.

ARGENTEA GUTTATA.—Purple bronze leaves with silvery markings. White flowers; splendid for house. Each 10c.

COLLECTION.

One plant each of the seventeen kinds of Begonias for only \$1.75.

COLEUS.

Whoever has been in our large city parks will never forget the ornamental beds—curving and quaint designs and mingling arabesques of all colors—which look like vari-colored rugs spread at short intervals on the smooth lawn. These are formed of Coleus. The following are the very best varieties.

Autumn Leaves.—A new variety which combines so many different colors as to suggest the name. **Klondike.**—Bright green, center beautifully marked golden yellow, distinctly bordered deep bronze. **Dewey.**—A better bedder, a brighter color than Verschaffeltii. Color bright crimson, edged maroon. **Cuba Libre.**—A bright crimson, shading to maroon, with finely scalloped edges of pea green. **Sampson.**—Short, pointed leaves, center rosy carmine, edges mottled green and brown. Very striking. Retains its color all summer. **Brillancy.**—Enormous leaves like a Rex Begonia; yellow, crimson, pink and green; coloring very fine. **John Rogers.**—The only coleus we have found to hold its color all summer; of old gold and pea green. Ruffled edges. **Eclipse.**—A grand new variety of rich warm brown, shading to royal crimson, with a light edging; also fine as a pot plant. **Beckwith Gem.**—Crimson blotched with purple maroon; green border, spotted creamy yellow; very strong grower. **Autumn Glow.**—Has all the beautiful tints of autumn leaves. **Golden Bedder.**—Color yellow. This is the best yellow coleus for bedding. Deep gold in the sun. **Firebrand.**—New, maroon flamed and shaded with brilliant fiery red. **Verschaffeltii.**—The oldest, still one of the best, dark rich velvety crimson. **Crimson Bedder.**—Purplish crimson. **Little Beauty.**—A very attractive dwarf variety. Leaves green with white center. Fine for borders. **Conniver.**—Bronze veined pink, mottled light crimson. **Louis Paldet.**—Rich deep crimson with red veins and green edge. **Mrs. F. Sander.**—Large creamy white center bordered with green, blotched crimson and purple; fine for pots. **Blackbird.**—Leaves and stem almost a jet black. **Sunset.**—Center of leaf brownish purple shading to crimson, edge yellow.

All of above varieties each 10c, doz. 85c. Entire set of 20 for \$1.15. Mixed varieties suitable for bedding, unnamed, 75c per doz., \$4.25 per 100 postpaid.



NEW VARIETIES OF COLEUS.

TEN CHOICE ROSE PLANTS, OUR SELECTION, ALL DIFFERENT, FOR 50 CENTS.

CARNATIONS.

Fragrant flowers are always sought after and the rich, spicy odor of the carnation, combined with various colors, leaves little to be desired. Easily grown and bloom freely.

EVELINA.—(Cut No. 1.)—A grand, pure white, early and free flowering carnation of healthy, vigorous growth; makes fine bushy plants and bears an abundance of flowers on long stems; petals finely fringed and very fragrant. An excellent variety for general use. Each 10c.

AMERICAN FLAG.—(Cut No. 2.)—An immense, strong, vigorous grower and profuse bloomer; very fragrant. Color is different from any other variety, being distinctly and regularly striped vivid scarlet and pure white, giving it a most novel and striking effect. Each 10c.

THE \$30,000 CARNATION, (Mrs. Thos. W. Lawson.) It has been fully described by all the newspapers throughout the country and is without doubt, the largest pink Carnation at the present time. The flowers measure over 3½ inches in diameter. The color is a beautiful deep pink. The originator of this grand carnation was paid \$30,000 for the original stock, the highest price ever paid for a plant novelty in this country. Each 15c.

MRS. FRANCES JOOST.—The most free flowering carnation we have, commencing to flower in August and continuing all season. Flowers large; color beautiful clear pink, very fragrant. Each 10c.

ALASKA.—A grand new pure white variety with finely fringed petals. Each 15c.

WM. SCOTT.—Greatest cut-flower carnation. Strong, rich pink with a shade of salmon, giving it a warmth of color; finely fringed; flowers of large size, with long stems that hold it erect. Each 15c.

MRS. GEO. M. BRADT.—Color clear white, heavily edged and striped with bright scarlet; flowers enormous and full, center petals standing erect, giving the bloom a well-rounded appearance; strong and vigorous. Each 10c.

JUBILEE.—Color intense scarlet of richest shade. One of the largest among reds; flowers full and well built; free, continuous bloomer. Each 10c.

GOLD NUGGET.—Rich golden yellow, in fact the best yellow known among carnations. Strong, vigorous grower with long stems; very full, double flower; free flowering. Ea. 15c.

LIZZIE MCGOWAN.—Favorite variety; pure white with good size flowers of delightful fragrance. Each 10c.

FLORA HILL.—Considered by florists the best pure white variety. Flower is of enormous size and rounded build; wonderfully free in bloom; good calyx. Each 10c.

TRIUMPH.—Exceptionally strong, healthy grower with extra large blooms 2½ to 3 inches across, on heavy, stiff stems. Flower very full, of fine form and deliciously fragrant. Color clear, bright pink. Each 10c.

G. H. CRANE.—Of the most intensely brilliant scarlet, showing no tendency to fade; stems long and firm, holding flowers upright. Each 10c.

A BAKER'S DOZEN. One plant of each of above 13 splendid carnations for only 90 cents.



CARNATIONS—1. *Evelina*. 2. *American Flag*.

CUPHEA TRICOLOR.—This interesting flowering plant belongs to the same family as the well known Cigar Plant. The flowers are tubular in shape, about 2 inches long, and combine three distinct colors in each flower—scarlet, white and blue. In bloom continually. Each 10c.

CUPHEA PLATYCENTRA.—This is the old-fashioned Cigar Plant, with narrow tubular scarlet flowers, tipped with purple; always in bloom. Each 10c.

CACTUS.—To some persons these curious plants are more interesting and attractive than all others and we therefore offer them here. We have many choice varieties such as the Old Man cactus, shown in center of cut, which is covered with long snowy white hair, giving it a most remarkable appearance. Price 75c. The Night Blooming Cereus, bearing immense flowers, 25c each, and many other varieties at 10c to 25c each. A collection of 10 varieties for \$1.00 postpaid.



CUPHEA TRICOLOR.

CROWN OF THORNS.—(*Euphorbia*).—Very curious and remarkable window plant; strong-growing creeper or climbing plant that can be trained over any desired form, and when full of its large, bright scarlet flowers, which almost cover the deep, glossy green leaves it is an object of rare and striking beauty. Easily grown. Grows wild in Judea and it is claimed that it was from this plant that the crown of thorns was made which was worn by our Savior. Each 25c.

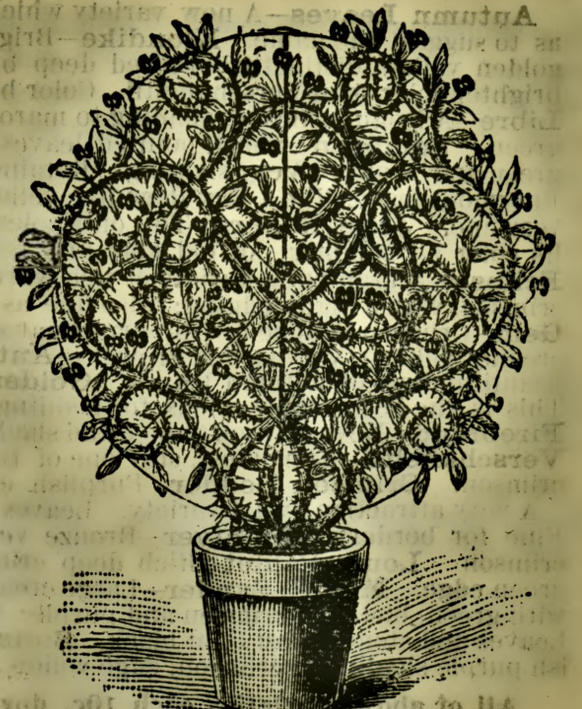
COBOEA SCANDENS.—A well known summer climber. Foliage green; large, purple, bell-shaped flowers. Each 15c.

COCOLOBA.—A pretty little plant, having curious flat jointed stems. Each 10c.

CINERARIA.—Magnificent flowering plants in winter and spring for windows and conservatories. The flowers of this large flowering type measure two inches across, are of white, blue, violet, crimson, etc., covering the plant with a sheet of blooms. Each 25c.



CACTUS COLLECTION.



CROWN OF THORNS.

CHRYSANTHEMUMS.

These are now, and deservedly, the most fashionable of all autumn flowers. All these varieties are excellent for pot culture, and are the best of their class.

ILLUMINATION.—A grand new variety of most robust, sturdy growth and claimed to be the best white yet introduced. Plant is erect; branching so as to make a perfect shaped bush, covered with a great number of beautiful snow white flowers which are full and deep. Each 15c.

MAJOR BONNAFFON.—Bright clear yellow; the best for all purposes. Produces flowers six to seven inches across on straight stiff stems of good length. An ideal Chrysanthemum, and should be included in every collection. Each 15c.

GEO. S. KOLB.—A very pretty early white sort; dwarf with nice, stiff stems. Fine for sprays. Each 10c.

MARION HENDERSON.—The earliest golden yellow; center incurved, outer petals reflexed, flowers six inches in diameter. Each 10c.

GETTYSBURG.—This variety excels in its color, as Golden Wedding does in yellow. Deep, rich crimson, which in the flower itself is soft and velvet-like. Outer petals are broad and drooping; have a lustrous sheen in the sunlight. Each 10c.

CASCO.—A beautiful quilled variety of clear wine color. One of the most desirable. Each 15c.



ILLUMINATION.

GLORY OF THE PACIFIC.—The earliest flowering light pink variety. Each 10c.

MRS. HENRY ROBINSON.—A perfect form of exceptional merit, large and well finished, medium early white, blooming with us October 5th. Fine substance; very lasting. Each 10c.

GOLDEN WEDDING.—Of a rich golden yellow color, intense, dazzling, flowers 10 to 12 inches in diameter; petals broad and long, double to center. Each 15c.

SILVER WEDDING.—Very much like the above but of pure silvery white. A grand novelty. Each 20c.

PHILADELPHIA.—A magnificent variety of graceful, globular form, color white, illuminated with lemon yellow, giving it a peculiarly pleasing appearance not seen in any other variety. Each 10c.

PHENOMENAL.—Clear chamolys yellow shading pink at base of petals. An enormous flower with broad incurved petals. Flower, while very large, is never coarse. Each 15c.

GOLDEN GATE.—Tawny yellow, distinct strikingly handsomely spreading flowers slightly whorled; regular form, stout stem, broad, long petals, fine exhibition bloom. Each 10c.

WILLOW BROOK.—Early; profuse bloomer; pure white. Each 15c.

IVORY.—One of very best varieties for pot culture or cut flowers. Vigorous compact grower and makes handsome specimen with very little training. Pure white flowers of exquisite form and finish. Each 10c.

ELSIE DORDAN.—An early small flowered sort of soft lilac pink changing to white. Each 10c.

PIERCEY'S SEEDLING.—A dwarf small flowered sort of pretty yellow color changing to bronze pink. Each 10c.



Casco.

PINK IVORY.—A sport from Ivory, the most popular of all white chrysanthemums; identical with Ivory in every respect except color, which is a beautiful shell pink. Each 15c.

MRS. PERRIN.—Wonderfully clear, bright pink, the brightest shade of pink yet produced in chrysanthemums; globular incurved form with satiny finish. Each 10c.

FISHER'S TORCH.—Heads the procession; color is bright red, passing to richest velvety crimson, the flame-like flower borne at the end of the long, stiff stem gives it the appearance of a flaming brand, hence its name, "Fisher's Torch." Each 15c.

WM. H. LINCOLN.—A magnificent golden yellow variety with straight, flat spreading petals. If you want an extra fine specimen plant, this is the variety. Each 10c.

IOBA.—Beautiful disheveled exhibition variety of light salmon pink. Each 10c.

BRONZE BRIDE.—Early pon-pou variety of rosy bronze. Ea. 10c.

AUTUMN GLORY.—Grand exhibition variety. There is nothing like it in color; deep reddish salmon upon opening and gradually changing to a soft shrimp pink when fully finished. Each 10c.

MRS. O. P. BASSETT.—An immense incurved variety of light canary yellow color. Each 10c.

LADY HARRIETT.—Pleasing shade of pink. Flowers large and incurved. Grand new variety which will please everyone. Each 15c.



CHRISTMAS EVE CHRYSANTEMUM.

CHRISTMAS EVE.—The latest of all white chrysanthemums. Flowers of immense size borne on long stems, and very desirable both as a pot plant and for cutting, as they are good keepers. Each 15c.

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.

OSTRICH PLUME SET.

The flowers of this class are large and graceful, having a fine downy appearance, produced by the glandular hairs on the petals.

LOUIS BOEHMER.—The splendid new pink Ostrich Plume Chrysanthemum. Grand flowers of globular form; petals broad and lasting and thickly covered with fine downy hairs so much admired. Color deep rich pink; solid and fine. Strong and vigorous plant. Each 10c.

CHILD OF TWO WORLDS.—An exquisitely beautiful variety like above but pure snowy white. Each 10c.

GOLDEN PLUME.—A clear golden yellow, without any shading; flowers large and incurved, heavy petals. Each 10c.

BRONZE PLUME.—A beautiful bronze variety. Each 10c.

One plant each of the above four Ostrich Plume Varieties for 30 cents.

LADY HARRIETT.



LOUIS BOEHMER CHRYSANTEMUM.



FUCHSIAS.

These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens.

White Phenomenal.—The grandest double white variety in existence and one which should be in every home. Each 15c.

Jupiter.—A new giant flowered variety from France. The flowers are of really mammoth size with very large, rich violet purple double corolla. Tube and sepals bright crimson. Plant is a strong, hardy, free grower, which everyone can succeed with and will attract attention everywhere. Each 15c.

Phenomenal.—This is usually considered the largest Fuchsia in cultivation, being same size as the Jupiter but of much darker color. The flowers are of enormous size, a single flower measuring three inches across; sepals bright scarlet with rich purple corolla, very double, flaked with red. Attracts universal attention in any collection, as it is one of the most beautiful sorts in existence. Each 10c.

Monarch.—This new Fuchsia is by far the largest of all the single flowering varieties. It is an exceptionally strong grower, bearing immense bloom of a very dark purple. It ranks among the singles the same as the Phenomenal does among the doubles. Each 15c.

Black Prince.—Tube and sepals bright waxy carmine, sepals large and broad with pale green tips; large, open, pale pink corolla. Easily grown in tree form and we had at one time a plant seven feet high loaded with two thousand flowers at once. Each 10c.



CYCLAMEN.

Collection. One plant each of the above 11 varieties of Fuchsias for only \$1.00.

CYCLAMEN.—Charming bulbous-rooted plants, with beautiful foliage and rich colored Orchid-like fragrant flowers; universal favorites for winter and spring blooming. Each 15c. Larger size 25c.

ENGLISH IVY.—An old favorite vine shows the year around if properly grown. Each 10c. Larger 25c.

VARIEGATED ENGLISH IVY.—Foliage very prettily marked with pure white on a dark green ground. Handsome as a pot plant in the window or for trailing from edges of boxes or baskets. Each 15c.

GERMAN IVY.—A popular vine for hanging baskets and window boxes. Each 10c.

FICUS REPENS.—A pretty dwarf traller. Each 15c.

FERN.—We have many choice varieties of these delicate appearing, attractive plants at prices from 10c to \$1.00 each.

SWORD FERN.—One of the most popular sorts. Splendid for pots, vases or hanging baskets; but especially desirable grown in the wire hanging baskets in which they thrive well and make wonderfully ornamental plants. Each 15c.

FEVERFEW.—Well known popular plant loaded with pure white, double, button-like flowers. Each 10c, doz. 75c.

HIBISCUS.—A large, shrub-like, woody plant bearing immense double or single flowers. Various colors. Each 15c. Large, strong plants 35c each.

EUONYMUS.—A pretty, shrubby plant; variegated foliage. Each 20c.



GREVILLEA OR SILK OAK.

Storm King.—Large double flowers. The sepals are glowing scarlet crimson, corolla delicate waxy white, elegantly penciled with deep, bright crimson. Each 10c.

Trailing Queen.—Of beautiful trailing habit; fine for hanging baskets. Bright rich scarlet and purple flowers. Each 15c.

Speciosa.—Sepals blush, corolla carmine. Best winter bloomer. Each 10c.

Little Beauty.—Charming variety; begins to bloom when only two or three inches high, and continues to bloom the year round. Tube and sepals bright red, corolla deep purple. Each 10c.

Lottie.—Very handsome flower with carmine corolla; tender rose sepals and cream colored tube. Each 10c.

Rose of Castile.—The best single summer blooming Fuchsia. Blush pink with violet corolla. Each 10c.



SWORD FERN.

MIKADO FERN BALL.—Quite a novelty from Japan and a beautiful thing when well grown, but it is rather difficult to grow them satisfactorily in the dry atmosphere of an ordinary house. Largely advertised in the east. In dormant state. Each 50c, large size 75c, postpaid.

MAURANDIA.—Graceful climbers for window or conservatories, or open ground in summer; admirable to hang from vases, cover stumps and low trellises, flowering freely.

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 will continue to thrive and bloom year after year, being perennial and perfectly hardy, with only a slight covering. Plants grow to 12 inches high and will thrive in most soils, though they prefer moist, sandy situations. Each 10c, doz. 75c.

GREVILLEA OR SILK OAK.—One of the quickest growing of 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.



JUPITER FUCHSIA.

HYDRANGEA—Thomas Hogg.—The immense trusses of flowers are at first slightly tinged with green, becoming of the purest white. Each 15c.

HYDRANGEA—Hortensia.—A splendid variety that will always be a favorite. Its growth is strong and upright, forming excellent specimen plants; flowers pink, in immense trusses. Each 10c.

HYDRANGEA—Otaka.—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.

HYDRANGEA PANICULATA GRANDIFLORA.—This perfectly hardy variety is considered the finest of all hardy shrubs. Flower heads 6 to 10 inches long, pure white changing to pink. In bloom July to October. Each 15c, large size 35c.

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 10c each postpaid. Large specimen plants \$1.00, \$2.50, \$5.00, \$10.00 and \$15.00 each, according to size, by exp. at purchaser's expense.

RESURRECTION PLANT.—A curiosity. Looks like a ball of dried moss, but when dropped into a bowl of tepid water, it quickly opens into a beautiful fern-like plant. Each 10c; 3 for 25c.



SINGLE GERANIUMS.



AUREOLE.

SOUVENIR DE MIRANDE.—One of the handsomest and most satisfactory of all recent introductions. It has nicely formed, round florets, upper petals cream white, with distinct salmon rose border; lower petals salmon rose, streaked with pure white; very free flowering and produces fine trusses of magnificent blooms. Each 10c, dozen 85c.

MARS.—Of dwarf, compact habit and a profuse bloomer. Color a deep salmon rose at the center, changing to white on the edge, forming compact flower heads. Ea. 10c.

MAD. M. HERBERT.—A fancy variety of light pink color, shaded to dark pink at center with clear white eye. Profuse bloomer. Each 10c.

BLACK PRINCE.—Very dark, rich velvety crimson. The nearest black known in single geraniums; large truss. Each 10c.

CHAMPION.—Elegant large flower, carmine crimson. Each 10c.

ELECTRIC.—Very large flower of most brilliant scarlet color with distinct white eye. A free bloomer. Each 10c.

MRS. J. M. GAAR.—A perfect bedding variety, never burns; is of dwarf compact habit, and in freedom of bloom is superior to all whites, and equal to the best scarlet bedders. Each 10c.

ANDREW LANG.—Glowing scarlet, with white blotch on the upper petals, centre of flower surrounded by aureole of rich carmine. Each 15c.

DR. HERRING.—Grand single bedder, of dwarf compact growth. Color, soft carmine-crimson, with a small white spot in center. Each 15c.

CRABBE.—A new variety bearing trusses of cherry red flowers. Each 15c.

ALICE OF VINCENNES.—A charming novelty which we now offer for the first time. It has a border of intense scarlet, forming a band around the body color of rosy pink, heavily veined with scarlet, center white. A brilliant combination. Each 20c.

IVY LEAVED GERANIUMS.

EDEN MARCHI.—Handsome of the ivy leaved sorts. Has enormous sized flowers, resembling some of the finest double Zonale Geraniums in size and shape; color, beautiful salmon rose, slightly shaded violet. It is an improvement on the Charles Turner. 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; color rich, deep pink. Each 10c.

VARIEGATED IVY GERANIUM.—This is quite a novelty and will attract attention anywhere. Leaves are handsomely variegated pure white and dark green; frequently margined also with pink. Each 25c.

JEAN DE ARC.—Very large and finest white in existence. A beautiful flower of best form, a good bloomer and very satisfactory. Foliage is dense and glossy-green. Each 10c.

P. CROZY.—A hybrid between the Zonales and Ivies. Color soft, bright scarlet, with veining of maroon. Each 10c.

GARDEN'S GLORY.—Fine, bright scarlet; large, bold full flowers; constant bloomer; one of the very best. Each 10c.

Set of 6 Ivy Leaved sorts for 60 cents.

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 and those described in the Novelty List, as the best.

AUREOLE.—*Mad. Bruant.*—A fancy flowered sort, remarkable colors, quite distinct and almost startling in effect, no other variety equalling it for bedding. Plant is loaded with blooms and each flower is large, center being white, beautifully veined with carmine lake, radiating into a handsome aureole, each petal being bordered with bright soferino. A fine pot plant and constant bloomer. Each 15c.

CHAMELEON.—A choice novelty, most of the flowers being striped, although some are plain scarlet, some white and some pinkish salmon. Each 25c.

THE WONDER.—One of the finest French novelties and such a wonderful bloomer and strong grower that it was styled the "Wonder." The flowers are the most intense dazzling scarlet and are borne in great trusses of enormous size, measuring from 18 to 20 inches in circumference, with single florets measuring 7 inches in circumference. Each 10c.

ETOILE DE NANCY.—A grand new single scarlet variety with bluish shade at center. Each 15c.

CAMILLE BERNARDIN.—A novelty in geraniums. Color is very attractive; upper petals are half white, succeeded by pink; lower petals base white followed by soft rosy pink with soft scarlet edge; is a good bedder, as it stands the sun. Each 15c.

COLUMBIAN.—Flowers produced in the greatest profusion; they are brilliant scarlet, with large, strong trusses; the habit of the plant is good, and it may be classed as one of the freest bloomers in cultivation. Each 10c.

CARMEN SYLVA.—The grandest single pure white geranium in existence. It is of vigorous healthy growth and blooms profusely, the plant being loaded with immense trusses of bloom which do not turn pink even in the most severe weather, but remain spotless snow white. Ea. 15c.

FLEUR POITEVINE.—Extra large single flowers, brilliant rosy carmine, marked and striped with pure white, center orange scarlet. Each 10c.

RENOMMIE LYONAISE.—The flowers are a beautiful combination of bright scarlet, clear rose and white; center of florets white, surrounded by a rose and broad scarlet border, giving it a very brilliant effect. Ea. 15c.

MAD. POIRRE.—A new favorite bearing beautiful flowers of rich violet carmine color. Immense sized floret and truss. Each 10c.

EMPRESS EUGENE.—Deep rich pink with base of upper petals white. Each 10c.

MODJESKA.—A novelty of decided merit. Truss and florets are immense; color delicate salmon pink with distinct white eye. Each 10c.

JOHN P. CLEARY.—Enormous trusses composed of immense, round, individual florets; single flowers measuring upwards of 2 inches in diameter. Color a most brilliant shade of deep orange scarlet, so brilliant as to dazzle the eye. Each 15c.

AMERICA.—Ideal variety for pot culture or bedding, white with salmon center. Each 25 cents.



SOUVENIR DE MIRANDE.



IVY GERANIUM—EDEN MARCHI. (One-half natural size.)

DOUBLE GERANIUMS.

As a rule the double varieties do not produce quite as many trusses of bloom as the single, but each truss remains in bloom longer. They are therefore very satisfactory both for bedding and pot culture.

BRUANTI.—One of the finest bedding sorts. As will be seen by our illustration the leaves are beautifully zoned and therefore showy at all times. Color of flowers bright, vermillion red; trusses exceptionally large and borne in immense balls often eight inches in diameter. Each 10c, dozen \$1.00.

OLD GLORY GERANIUM.—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 through the mediation of a friend of his. Has immense trusses, sometimes six inches in diameter, of magnificent large, semi-double flowers, which cover it so as to almost hide the foliage. Color is a clear, bright rosy pink, the upper petals are spotted with pure white which adds to the brilliancy of the pink. During the hottest, driest midsummer weather "Old Glory," for this was the specially appropriate name we gave it, was as fresh and sweet as if just watered by an April shower. Each 15c, dozen \$1.40.

VERA VEND.—A novelty hard to describe—principally noted for its odd color, the truss and florets are both of good size. Plant of the finest habit, semi-double, very open with large petals, the borders of which are rosy orange; large center, striped with white and delicately marbled and striped with orange. One of the finest and most beautiful in the Aureole section and will be grown by all when known. Each 10c.

REMARKABLE.—A beautiful intensely double variety of dwarf compact growth and therefore desirable for pot culture as well as bedding. The florets, which look like little rosebuds, are of dark scarlet crimson color. Each 15c.

MRS. E. C. HILL.—A most distinct and pleasing shade of salmon with light shading at the center. Each 10c, doz. \$1.00.

DOUBLE NEW LIFE.—A great novelty and it is a sensational departure in every way. The outer florets are large, of a brilliant red. In the center of these appear 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 very novel geranium was lately sent out in England by subscription at a fabulous price. Last year it was almost impossible to supply the demand, but we have propagated a large number for this season. Don't fail to have it if you like rare beautiful flowers. Each 15c, dozen \$1.50.

ALPINE BEAUTY.—An exquisitely fine new double white. Each 10c.

MARVEL.—Rich crimson scarlet; large flowers and truss; free-flowering, one of the best bedding sorts. Each 10c.

GOLDEN DAWN.—The nearest yellow of any geranium grown. Plant is a sturdy, vigorous grower and well filled with large clusters of rich orange scarlet double flowers. Everyone who grows plants should add this to their collection of geraniums. Each 15c.

BUY BLAS.—An extra fine double pink variety bearing large trusses of large flowers in profusion. Each 15c.

DE ROY MITTING.—An elegant novelty having double red flower and yellow foliage. Each 15c.

LA FAVORITE.—What S. A. Nutt is among dark crimsons, La Favorite is among whites, without doubt the best double white Geranium ever offered. It is a strong grower, a profuse bloomer, always coming perfect in color and substance; the trusses are very large, flowers beautifully formed, of the purest white, retaining their color in the sun, not drawing to a pinkish color. Each 10c, dozen 85c. By express not prepaid, 50 for \$2.75; 100 for \$5.00.



BRUANTI.

S. A. NUTT.—The best crimson bedding Geranium. 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, as it does not make the long, straggly growth so many other geraniums do in the winter. We sell many thousands of these for borders and large beds. Each 10c. doz. 85c. By express not prepaid, 50 for \$2.75; 100 for \$5.00.

CONTRASTE.—Among the most beautiful of new double geraniums is Contraste. The flowers and trusses are very large. Lower petals orange and carmine, upper petals clear orange, making a striking contrast of colors that is beautiful. Each 15c.

GLORY DE FRANCE.—Large, round flowers of waxy appearance, color white, with carmine center, each petal delicately edged with carmine. An excellent pot variety, to which its habit is finely suited. This is the most beautiful of the parti-colored geraniums, which appear so bewitching. Each 10c.

DOUBLE NEW LIFE GERANIUM.

COLOSSUS.—Floret quite circular, semi-double, two and a half inches in diameter; truss also fine. The color is very beautiful, a rich shade of rosy crimson. Very free in bloom. One of the very largest and finest. Each 10c.

J. RICAUD.—A very fine, free-flowering, double variety with enormous sized trusses on strong footstalks; flowers purplish-crimson, center distinctly marked white. Each 15c.

ACHIEVEMENT.—A distinct shade of soft salmon pink; semi-double. Each 10c.

FANCY LEAVED GERANIUM.

MRS. POLLOCK.—Magnificent. Green leaf disc overlaid by beautiful bronze red, belted with bright crimson, outwardly margined with golden yellow.

MARSHAL McMAHON.—Golden yellow, marked with a deep chocolate zone. A splendid bedding variety. Each 15c.

SNOW STORM.—Dark green foliage, distinct white margin; robust grower; an improvement on Mountain of Snow. Each 15c.

MAD. SALLEROL.—A very compact variety of silver leaf geranium; fine for massing or bordering; thrifty; leaves green, edged white. Each 10c.

CRYSTAL PALACE GEM.—Yellow with green disc; fine bedder. Each 10c.

DISTINCTION.—Round green leaves, with clear black circle. 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.

HAPPY THOUGHT.—A tri-colored geranium with dark green foliage, light cream white center with dark band about the light zone. Flowers bright scarlet. Ea. 10c.

GOLDEN CIRCLE.—Green foliage, narrow golden yellow edging, flower scarlet. Each 10c.

SUNSET.—Handsome bright green foliage, with a broad border of creamy white, and an inner circle of maroon. Each 15c.

MRS. PARKER.—A grand new silver leaved variety with double pink flowers. A unique novelty. Each 20c.

WM. LANGGUTH.—A remarkably beautiful sort. Leaves variegated green and pure white; flowers double crimson scarlet and unusually large. Each 25c.



LA FAVORITE.

A BEAUTIFUL SET OF TWELVE FANCY LEAVED GERANIUMS FOR \$1.20 POSTPAID.



BLUE
BEAUTY
GERANIUM

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 Saniford.—This is a grand double white variety; one of the finest novelties, and always very scarce; the flowers are extra large, perfectly double, and beautifully laced and ruffled; the color is glistening snow-white; exceedingly beautiful. Each 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, fine-shaped trusses. Color bright red, with lighter center, heavy maroon blotches in upper petals. Each 25c.

Kingston Beauty.—This is one of the best varieties; large, white, with beautiful plum colored center that gives it an unique appearance. Each 20c.

Dr. Andre.—A fine strong grower, light, carmine-pink, marked and veined purplish-crimson. Ea. 20c.

Mad. Thibaut.—The flowers are three inches in diameter, perfectly double, of the brightest pure pink, beautifully ruffled edges. Free bloomers. Each 25c.



STEVIA
SERRATA

BLUE BEAUTY GERANIUM.—A new color. Each year we import many European novelties for testing on our trial grounds and among others we received a number of new geraniums some of which were unnamed. We were surprised to find among the number a new color heretofore unknown in geraniums, being of a most beautiful violet or purplish crimson with a blue sheen over the surface. The flower is double and the three upper outside petals have a spot of clear vermilion near the base which makes the flowers more brilliant. Out of nearly two hundred varieties of geraniums on our place this year there was none which approached it in color. It is a vigorous grower and free bloomer even during the driest summer weather. The blue tint shows better after flower is fully out. Each 20c.

SWEET SCENTED GERANIUMS.

LADY PLYMOUTH.—A beautifully variegated variety of the Rose geranium. Propagates slowly, and the demand usually exceeds the supply. Each 25c.

NUTMEG.—Small leaves, with nutmeg perfume. Each 10c.

OAK-LEAVED.—Beautiful foliage resembling oak leaves; black center with green border. Each 15c.

ROSE SCENTED.—Two kinds, broad leaf and cut leaf; this is the most popular of all scented geraniums. Each 10c.

SKELETON-LEAVED.—Leaves very finely cut; rose fragrance. Each 10c.

BALM.—Has delicious balm fragrance. Each 10c.

LEMON.—A nice little plant of bushy growth, with delightful lemon fragrance to the leaves. Makes a nice pot plant the year round and the odor is quite refreshing. Each 10c.

FERN-LEAVED.—A most delicate cut leaved geranium, of delightful fragrance, very free growing. The leaves are valuable for mixing with cut flowers. Each 20c.

ORANGE SCENTED.—Quite fragrant. Each 10c.

MRS. TAYLOR.—A scarlet flowered rose geranium. The blooms resemble the Pelargonium, but are smaller and of bright scarlet color; blooms constantly. Each 10c.

PEPPERMINT.—A rare variety with thick "hairy" leaves and refreshing peppermint fragrance. Each 20c.

PANSY GERANIUMS.

Flowers of medium size and have white throat. Each petal is shaded toward the center with a rich lavender pink and a dark maroon blotch in the center. Very handsome; will attract attention. 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.



PANSY GERANIUM.

OXALIS.—A fine plant for pots or baskets. Several varieties. Each 10c; 4 for 25c.

OXALIS—Golden Star (Ortgiesi).—It is a shrubby plant like a geranium or fuchsia, about 12 inches in height, branching freely, loaded at all times with clusters of bright golden star-shaped flowers, which do not close at night like other Oxalis. Each 15c.

OXALIS—Bermuda Buttercup.—Fine for pot culture. As many as fifty flower spikes have been produced by a single well-grown plant and as many as 1,000 flowers in a season. The flowers are of the purest bright yellow. Each 10c.

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.

VINCA MAJOR.—This is a beautiful variegated trailing vine admirably adapted for hanging baskets and vases. The leaves are a glossy green, broadly margined a creamy white, flowers blue. More Vincas are employed in vase and basket work than all other vines combined. Each 10c; large size 25c.

VINCA HARRISON.—Similar to above, but with darker variegation. Each 10c.

STEVIA—Serrata.—A pretty-flowering plant, quite largely grown by florists in pots for blooming in the fall and winter. Plants are of upright growth eighteen inches in height, producing numerous sprays of small white florets. These sprays are highly desirable for cutflowers and of delightful fragrance. Plants grow vigorously, enduring both sun and shade and thriving with even very poor treatment. Not hardy and therefore should be potted in the fall for winter blooming. Pinch off the tips of stems during summer to make them branch out and produce more bloom. Each 15c.

UNIQUE LILY OF THE VALLEY.—When on our annual trip among our seed growers we noticed in an out-of-the-way place a cluster of Lily of the Valley, which was of most beautiful and unique appearance. The flowers were as large and fully as numerous as any other variety, while the leaves are dark green, handsomely striped with broad bands of pure white. This new variety makes a charming bed at all seasons of the year. Each 10c, doz. \$1.00.



UNIQUE LILY OF THE VALLEY.



CINNAMON VINE.—A pretty vine produced from tubers that will make from ten to twelve feet of vine; having beautiful heart-shaped leaves, bright green, peculiar foliage, and clusters of delicate white flowers, sending forth a delicious cinnamon odor. Each 10c, 3 for 25c, doz. 75c

Fern Dish Offers.

The use of ferneries as ornaments for the dinner table is now very general. Nothing makes so fine an ornament and nothing is so well adapted for the purpose. For this we offer eight choice ferns, our selection of varieties, for

75 cents. —

50c BASKET COLLECTION. 50c.

It is hard, very often for the amateur, to select just what plants he would like to have for a basket, so we have collected ten of the most suitable for this purpose and offer the set for 50 cents.

1 Sword Fern, for center; 1 Russella; 1 Manetti Vine; 1 Double Petunia; 2 Flowering Begonias; 1 Parlor Ivy; 1 Asparagus Sprengerii; 1 Weeping Lantana; 1 Saxifraga.

NEW ORNAMENTAL JAPAN PEPPER.—This is a surprisingly pretty house plant. Makes a round compact bush 12 to 15 inches in height, with dark olive green leaves and covered all over with curious little heart-shaped fruits of various bright colors—purple, white, yellow, orange and red on the same bush. They remain on for months, so that the plant continues loaded with its pretty bright-colored fruits nearly all the time, and always attracts a great deal of attention. May be bedded out in summer. New and scarce, and a very pleasing and attractive novelty. Each 15c.



MANETTA-BICOLOR.

LEMON VERBENA.—A universal favorite, invaluable for its fragrant leaves. They will retain their fragrance for years when dried. As a plant for the garden or for pots it is equally valuable, its fine sprays of foliage 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.

MANETTA BICOLOR.—One of the handsomest little vines in existence. Is easily and quickly grown, blooms continuously and is well adapted for hanging baskets, pot culture, vases or bedding. Flower is of size and shape shown in our illustration and of brilliant scarlet, tipped with clear golden yellow, making it wonderfully attractive. Blooms constantly and profusely all summer out doors and all winter when taken into the house. Each 10c. Large size 25c.

LANTANA.—We consider this one of the most satisfactory plants grown. It is the flower for everybody both for out door bedding, and blooming all winter in house. Has a flower somewhat resembling the Verbena, borne on a woody, bush shaped plant. The flowers embrace all shades of orange, sulphur, lilac, red, pink, white, etc., changing from one distinct color to another as they increase in age and development.

LANTANA-Javoi.—Best, largest and freest blooming white variety. Everyone will be pleased with it. Each 15c.

LANTANA-Harket's Perfection.—New variety with beautiful flesh and yellow flower and golden variegated foliage.

LANTANA-Patriot.—Elegant rich orange color, changing to maroon as flower grows older.

LANTANA-Gold Cup.—A dwarf compact grower, with very pretty lemon yellow flowers having golden yellow center. Each 10c.

LANTANA-Amiel.—Semi-dwarf, very compact, fine bloomer; umbel and floret fine size. Reddish orange with yellow center. Each 10c.



AMEIL LANTANA.

LANTANA-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. Each 10c.

LANTANA-Mont. Blanc.—An extra fine dwarf variety, pure white with lemon eye. Each 10c.

LANTANA-Seraphine.—Of beautiful bright red color, yellow center. Each 10c.

LANTANA-Tethys.—One of the best. Pure canary yellow. Each 10c.

OTAHEITE ORANGE.—An extra fine pot plant, with glossy green leaves, the true fragrant orange blooms and abundant little bright oranges that will hang on the little bush like balls of gold for six months after they are ripe. They will bloom and fruit in a two inch pot. With good sunlight 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. The fruit is very sweet and handsome. Could we have but one plant in our window it would be an Otaheite Orange. In beauty, grace and fragrance there is nothing like its delicate, leafy sprays of bloom, so indescribably, exquisite, dainty, lovely and desirable. Fine plants for blooming and fruiting at once. Each 20c.

"I received the seed and rose bushes all right. Accept my thanks for the extra rose bushes you put in."—Mrs. Eva Galoway, Sumner, Neb.



GOLDEN LEMON THYME.—The leaves are curiously edged and variegated with golden-yellow, increasing in brilliancy or color as the autumn approaches. Desirable as a bedding plant. Each 10c.

ELECTRIC LIGHT PLANT.—A very showy plant belonging to the Cleome family which blooms constantly from July until killing frosts in October or November. Is very desirable either for specimen plants or for bedding. Grows 4 to 6 feet high and makes a large branching tree like plant each branch being tipped with bloom. Each 10c, dozen 90c.

PENTSTEMON.—One of the most beautiful and useful hardy perennials. It is of graceful growth and produces large spikes of flowers as handsome as the most rare sorts of Gloxinias and greatly resembling them. Give good culture and it will bloom from June until October and attract much attention as few persons have ever seen it. Each 15c, dozen \$1.25.

MAMMOTH BROWALLIA.—The most beautiful of all the Browallias. The plants grow only about a foot high, form dense little bushes, which are covered with an abundance of the most delightful sky blue flowers. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Each 10c, dozen \$1.00.

ASTER PLANTS.—Grown from the best seed of all varieties mixed. Many of our customers prefer to buy these plants instead of sowing the seed themselves. Per dozen 75c, \$3.00 per 100, charges prepaid.



OTAHEITE ORANGE.

TAKE CARE OF THIS CATALOGUE, YOU WILL FIND IT VALUABLE FOR REFERENCE.



BABY PRIMROSE.

MEXICAN PRIMROSE.—Is a perpetual bloomer, in flower all times of the year, a good specimen showing always from ten to thirty large, saucer-shaped blossoms two to three inches across, of several beautiful colors. Each blossom keeps perfect many days before fading and when it droops others are out to take its place, and this succession of beauty is continued. The plant is a free grower, succeeding in almost any soil or situation. Each 10c.

PRIMULA OBCONICA.—A lovely perpetual blooming primrose. Flowers of rose lilac, shading to white. Each 10c.

DOUBLE PETUNIA.—One of the grandest, 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. We devote special attention to the cultivation of the Double Petunia, we spare no pains or expense to obtain the best results, and as a consequence our stock is unsurpassed and includes best blotched and fringed sorts. Mixed varieties. Each 10c, doz. 90c.

HELEN GOULD PETUNIA.—A beautifully fringed pink variety. Each 10c.

FRITZ PETUNIA.—This is a decided novelty. The ground work 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.

SNOW QUEEN PETUNIA.—White varieties are always scarce. This is an extra choice new double white Petunia which for profuse flowering qualities is unsurpassed and for keeping has no equal. Plant grows about two feet high and often has two to three hundred flowers on at a time and blooms throughout the season. Each 15c.

SEA FOAM PETUNIA.—A grand new double white fringed variety; unsurpassed among the new fringed sorts for purity of color, size, form and vigor of growth. Each 15c.



DOUBLE PETUNIA.

THE BABY PRIMROSE.—(*Primula Forbesti*.) It is a wonderfully free-blooming plant, commencing to flower as soon as born. 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 an inch in diameter, but they are produced in such great abundance that a few plants present a dense mass of bloom from September until June. As a pot plant it cannot be surpassed, as it is a vigorous grower and thrives either in shade or sunshine. Each 10c.

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*. (See cut.) One of the most popular varieties grown, priced especially for its beautiful, large, fan-shaped leaves of deep glossy green. 25c each. Large plants by express \$1.00 to \$10.00 each.

Kentia.—This is considered one of the hardiest and best palms in cultivation. A rapid grower. 35c each. Large plants by express \$1.00 to \$5.00 each.

Areca.—One of the most graceful palms in cultivation. The foliage is a bright glossy green, stems a rich golden yellow splashed with brown. Each 40c.

Chamærops.—Handsome fan-leaf palm of rapid, easy culture. Very valuable and useful for outdoors during the summer. 25c each.

Washingtonia Filifera.—Has elegant dark green fan-shaped leaves, from which hang threadlike filaments. 15c and 25c each.



LATANIA BORBONICA PALM.

JASMINE.—*Maid of Orleans.*—A beautiful plant of easy culture, fine grower, good bloomer very fragrant and of elegant waxy-white appearance. Each 20c.

JASMINE.—*Revolutum.*—Fragrant yellow jessamine, rapid grower. Each 15c.

JASMINE.—*Night Blooming.*—The world famous variety, producing immense numbers of pure white, very fragrant flowers incessantly. Each 20c.

HELIOTROPE.—*Snow Wreath.*—Superb large clusters of deliciously fragrant flowers of nearly pure white. Each 15c.

HELIOTROPE.—*Jersey Beauty.*—Very large trusses of blue flowers. Each 10c.

HELIOTROPE.—*Mad. Blonay.*—Immense truss of very light colored flowers. Each 10c.

HELIOTROPE.—*President Garfield.*—An extra fine dark variety; blooms well. Each 10c.

HELIOTROPE.—*Czar.*—A new plant flowering, very dark colored sort, almost black. Each 15c.

HELIOTROPE.—*Czarina.*—A fine companion for the above. It grows a trifle taller and bears an enormous truss of deep indigo blue flowers with clear white eye. Each 15c.

INDIA RUBBER TREE.—*Ficus.*—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, very 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 60c. Larger size \$1.00 and \$1.50 each.

PASSION FLOWER.—An attractive vine bearing beautiful flowers. Can furnish either white or blue at 15c each.

I received plants March 15th and they were in excellent condition, as fresh as if just packed, and such nice, large ones too. I am greatly pleased with them. Many thanks for the extras, they were just what I would have selected. I shall remember you with all future plant orders.—Mrs. W. S. Rees, Ontario, Oregon.



PANSIES.

PANSIES.

Pansy plants are 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 of colors known in pansies. Extra large strong plants 50c per doz., 4 doz. for \$1.50 postpaid. Smaller size 25c per doz., 5 doz. for \$1.00.



INDIA RUBBER TREE.



SOLANUM.

SWAINSONIA—White.—A most 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 and under favorable conditions is almost a perpetual bloomer. Each 10c.

SWAINSONIA—Pink.—A beautiful new sort quite similar to above, except that flowers are a clear pink color. Each 15c.

SHOWER OF GOLD—(Genista).—A most desirable plant which has been given the name "Shower of Gold" or "Fountain of Gold" from its peculiar fountain shape and brilliant color. The drooping branches are covered with delicate sage-green foliage, and every twig is tipped with a long raceme of exquisite pea-shaped blossoms of a pure canary color, almost hiding the foliage. Each 10c.

SMILAX.—Well known handsome climber and the most popular of all vines with the florists. Each 10c.

□ **PARIS DAISY—White.**—A French improvement on the old White Marguerite which has for years been so popular. Is of much larger size and will produce ten times as many flowers. Each 10c.

PARIS DAISY—Yellow.—Similar to the above, but of a very pretty canary yellow color. Blooms freely and continuously if flowers are cut frequently. Each 10c.

PARIS DAISY—Blue.—A striking 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.

MAMMOTH VERBENAS.
Everybody likes Verbenas, as no one can help enjoying the sight of a nice bed carpeted with the dark green leaves and brilliant blossoms. The following mammoth flowering varieties bloom freely and have the finest colors.



MAMMOTH VERBENAS.

SOLANUM—Jasminoides Grand.

This beautiful plant is of trailing or climbing habit, but if desired can be cut back to a bush form. It has star-shaped flowers, borne in large clusters or panicles frequently a foot across. They are pure white with violet tinge on the back; it is equally a good bloomer in summer and winter, and is wonderfully effective when planted to cover a low wall or trellis, showing hundreds of magnificent panicles perfect a long time before fading. Each

of bloom which remain 10c; 6 for 50c.

SALVIA—Splendens.—One of the finest of all bedding plants, being completely covered in autumn with long spikes of dazzling scarlet flowers, remaining in bloom until cut down by frost. Each 10c, per dozen 75c.

SALVIA—White.—Like above, with white flowers. Each 10c.

SALVIA—Chance.—A novelty with beautifully striped red and white flowers. Each 15c, dozen \$1.20.

SALVIA—Golden.—Handsome yellow leaved variety with brilliant scarlet flowers. Each 10c, dozen \$1.00.

SALVIA—Silver Spot.—Foliage green, spotted clear white. Each 15c, doz. \$1.25.

SALVIA—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. Fine for rows or borders. Each 10c, dozen \$1.00.

SEDUM—(Stonecrop).—Six varieties Each 10c, doz. 75c.

SAXAFRAGA

—The well-known, much used old basket plant, with long strawberry-like runners. Each 10c.

LOBELIA.—Pretty and well known. Each 10 cents.



SWAINSONIA.

STROBILANTHE—Royal Purple.—An excellent bedding plant as well as a beautiful foliage plant for pot culture. It forms a compact bush 18 inches high, with leaves 6 to 9 inches long; of a beautiful, metallic purple, shading into light rose, with a light green margin, a combination unapproached by any other plant. The flowers are violet blue, borne in immense racemes. Each 15c.

Mrs. Cleveland—Largest and sweetest of all, of dazzling snow white color, makes very large plants and large foliage.
Willie Desmond—Brilliant red with small white eye.
Turquoise—A beautiful shade of turquoise blue with white eye.
Francis—Extra large pink with white eye.
Aurora Borealis—Beautifully and irregularly striped white, pink, crimson and scarlet.
White Beauty—Very large flower, large truss, and pure white.
American Flag—Pure white, tipped with most brilliant crimson.
Climaxer—Extra large flower of bright scarlet; really dazzling when in full bloom.
Beauty of Oxford—The most popular pink variety; color rich and flower of immense size.
Blue Boy—Of pure, deep, heavenly blue color.
Machadon—Of deep, velvety, blood red color.
Sambo—The nearest pure black that appears in verbenas, has just a slight shading of maroon.
Princess—A handsome wine colored flower.
Dolores—The richest deep purple color.
Any of the above Verbenas 10c each, 75c per doz. One plant each of the 14 kinds for \$1.00 Mixed verbenas 50c per doz.



CHANCE SALVIA.

PLUMBAGO—Capensis.—No plant in our greenhouse has caused more exclamations of delight than these beautiful heavenly blue Plumbagos. They are most excellent pot plants, flowering freely at all times of the year. South of Central Missouri they are hardy in the open ground, and make desirable garden plants. Flowers are borne in large clusters and are exceedingly beautiful in color. They are of very easy culture, growing in any situation as freely as Geraniums. In fact few pot plants can be found that will prove so easy to manage, and furnish such an abundance of exceedingly handsome flowers. They are of a rare shade of light azure blue. Each 10c.

PLUMBAGO—Lady Larpent.—The plants are strong, upright in habit, growing to a height of twelve to fifteen inches in compact clumps, and from the middle of July until severe frost are covered with lovely rich violet blue colored flowers, borne in close terminal heads. Each 20c.

PHEASANT'S BREAST ALOE.—An elegant appearing, slow growing plant, highly prized wherever its true value is known. Each 25c, large 75c.

SANTOLINA.—A very pretty, dwarf-growing little evergreen shrub. The foliage is finely cut and of a silvery gray color, thus making it particularly useful and valuable for edgings and ribbon beds, as it contrasts finely with plants of darker color or larger leaves like Coleus. Each 10c, doz. 75c.

SANSEVERIA—(Zelantia).—A singular plant, eminently adapted for decorative purposes in parlors, etc. Dark green, beautifully striped crosswise with white. Has white flowers. Each 15c; large size 50c.



SANSEVERIA.

ROSES.

We consider this 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 as the trade has each year far exceeded our stock. As we do not grow cut flowers and our rose growing is exclusively for the production of young plants we are enabled to use the best and most healthy wood in our propagations and not stems that have been exhausted by the production of flowers. Our soil here is well adapted to rose culture and we are sure that customers will find our plants specially strong, healthy and vigorous. The varieties we list are the choicest selections out of several hundred varieties. We omit all inferior sorts and such kinds as experience has proved to be not generally satisfactory. Every variety listed has our most hearty recommendation. The dormant plants offered are large two year old, out door grown.

Roses are sent by mail or express prepaid in perfect condition to the most distant parts of the United States and also to some foreign countries. Directions for Rose Culture sent with every package. We furnish one dozen of any variety at the price of ten.

EMILIE GONIN.—There was no rose at our place this year which attracted more attention than this grand new variety. Creamy white, tinted with orange yellow at the base of petals, while the tips of the petals are reflected and broadly margined with bright carmine crimson. Each 15c.

MAMAM COCHET.—Has rich, healthy foliage and large flowers on long, straight stems; color deep rosy pink, the inner side of petals silvery rose. Equally valuable for pot culture or out-door planting. Each 15c.

Strong dormant plants 35c

HALLOWEEN.—A beautiful new variety resembling the Meteor in shape, but the flowers are of dark crimson color, distinctly striped with pink and pure white. It is a hardy, ever-blooming variety. See colored illustration on cover of this book. Each 15c.

SNOWFLAKE.—The freest flowering pure white rose that we know of. Unequaled as a pot plant. Each 15c.

SUNSET.



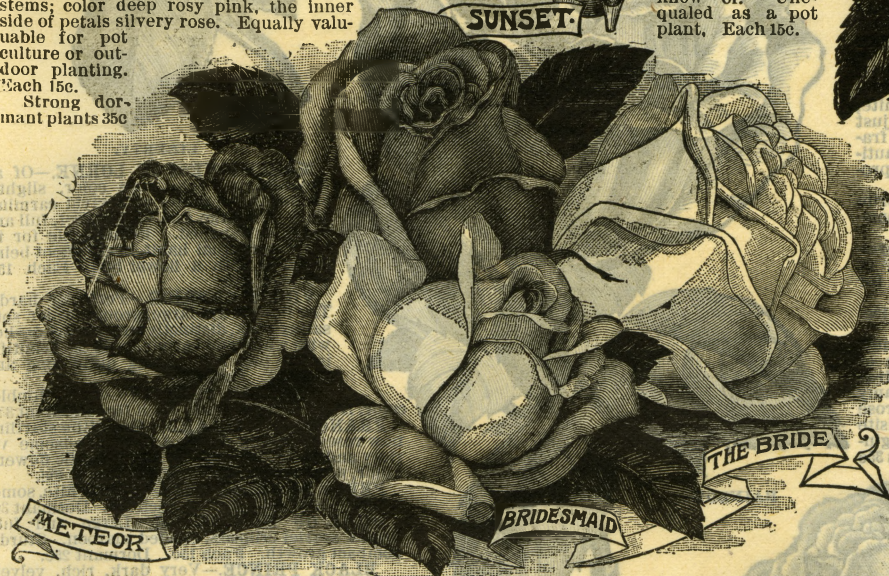
SOUVENIR
DE WOOTON

SOUVENIR DE WOOTON.—Color a beautiful shade of velvety crimson, equal to the noted General Jacquemont, deliciously fragrant, a constant and most prolific bloomer, and the full open flowers are frequently six inches across. Each 10c. Dormant 30c.

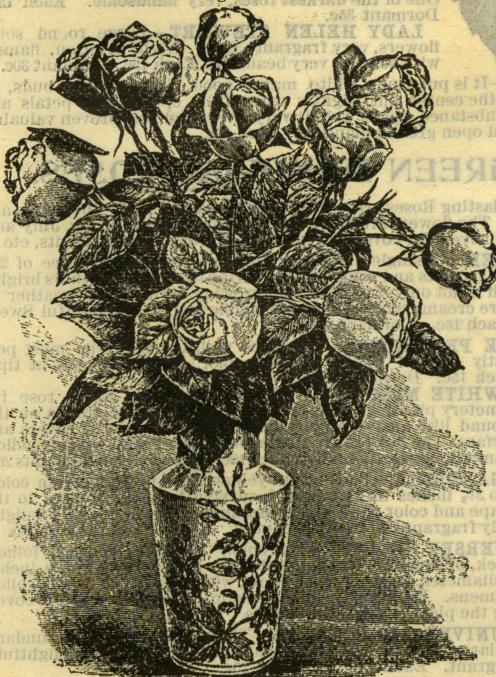
BRIDE.—This is undoubtedly one of the finest white roses ever offered. The buds are very large of exquisite form and the full flower very double, measuring from 3½ to 4 inches in diameter. The color is a very delicate creamy white. Each 10c.

BRIDESMAID.—An exquisite bright clear pink, a lovely shade; flowers very large and perfectly double. The buds are large and solid, with long, stiff stems and handsome glossy foliage. Strong, healthy growing, free from disease. Each 10c.

PERLE DES JARDINS.—Fine straw-yellow; very large and perfect. Blooms freely and we consider it one of the most satisfactory varieties. Each 10c.



Above four grand Roses for 35c.



CHAMPION OF THE WORLD.

METEOR.—Perfect shaped flowers, on nice, long stems. They are of large size, very double and perfect in shape both when in bud and when fully expanded. The color is rich velvety crimson, exceedingly bright and attractive. The plant is of vigorous growth, and very free flowering. Each 10c.

SUNSET.—This exquisite orange yellow variety, shaded ruddy copper color, "a sunset glow," is one of the finest Tea Roses grown. The flowers are large and double. Fragrant, strong growing and free flowering. Each 15c.

CHAMPION OF THE WORLD.—The champion bloomer, commencing to bloom as soon as potted from the propagating bench, and continues in the greatest profusion all the time. It is claimed that one plant of it will produce more flowers during the year than ten plants of any Tea Rose. Blossoms are perfectly double to the center, of good shape; color a degree of loveliness which few roses can equal, rich, deep, rosy pink. Each 15c. Dormant 30c.

FAIRY ROSES.

Small roses which are marvels of grace and beauty; bloom in clusters of 25 to 50 on a single stem.

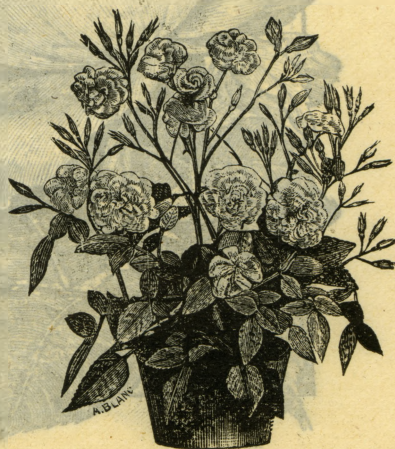
MOSELLA.—A choice novelty. Flowers very double, ball-shaped and open like a Camella flower. The petals are tinted white, on beautiful light yellow ground, extending to the middle of petal. Each 15c.

PRINCESS BONNIE.—Another charming novelty; flowers large and perfectly formed; a rich, solid crimson. Each 10c.

LITTLE WHITE PET.—Very handsome, pure white; perfect shape. Hardy. Each 10c.

MIGNONETTE.—Clear, soft pink, passing to white, tinged with pale rose. The flowers full and regular, perfectly double, delightfully perfumed. Each 10c.

CLOTHILDE SOUPERT.—This hybrid polyantha Tea Rose has become one of the most popular. Flowers full double, pure white, shading to a center of rosy pink. Blooms constantly. Each 10c.



MOSELLA FAIRY ROSE.

USE A TYRIAN OR SCOLLAY SPRINKLER TO SPRAY YOUR ROSES OR OTHER PLANTS.

LIBERTY.—A grand new Hybrid Tea of warm, deep, rich crimson color. Flowers of immense size and borne in great profusion. It has been thoroughly tested and is recommended as one of the most beautiful ever-blooming crimson roses yet produced, particularly suited for garden planting and also for forcing and green house culture. Each 20c.

GOLDEN GATE.—This is a beautiful free blooming and healthy Tea Rose that we can recommend to everyone desiring large flowers, long stems and continuous bloom. The buds are long and pointed, opening out into a well shaped flower of creamy white, delicately tinged with golden yellow and bright rose color. Each 10c.

MADAM HÖSTÉ.—Creamy white, with amber center, a prodigious bloomer. Each 10c.

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

ADMIRAL DEWEY.—Flowers are extra large, full, double and globular in form, with heavy thick petals. Color of flowers is a delicate shade of pink, delightfully fringed. A strong grower and free-flowering rose. Each 15c.

BARONESS ROTHSCHILD.—A magnificent rose of rich satiny pink. Each 15c.

HERMOSA.—An excellent rose, blooms in fine clusters; large, very double and fragrant; color a beautiful clear rose; hardy, one of the best. Each 10c.

BEAUTY INCONSTANT.—A wonderful new variety, producing flowers of many shades of pink, red, crimson and yellow, all on the same bush at once of indescribable beauty. Each 15c.

VERDIFLORA.—The wonderful green rose which cannot fail to attract attention and cause surprise wherever seen. It is a perfect flower with deep green petals and a free bloomer. A curiosity. Each 15c.

KAISERIN AUGUSTA VICTORIA.—The finest white ever-blooming hardy garden rose. A Hybrid Tea Rose, soft pearly white, lightly tinted with lemon in the center, just enough to relieve the white, remarkably fragrant, a strong, healthy grower. The beautiful, perfectly shaped flowers are borne in profusion on long, graceful stems. Each 15c.

BON SILENE.—An old semi-double favorite of delicious fragrance. Color deep rose, sometimes rosy crimson. Each 10c.

HELEN CAMBIE.—A lovely copy-right yellow Hybrid Tea. It is a French novelty of vigorous growth and a free bloomer both for winter and summer. Each 15c.

HELEN GOULD.—Color, crimson. Each 15c. Large plants from 4-inch pots, each 40c.

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. As the rose expands it discloses a heart of most exquisite blending of cream and glowing pink imaginable. Each 15c. Large two year old plants 35c.



LIBERTY.

MARCHIONESS OF LORNE.—Of an exceedingly rich, rose color, slightly shaded in the center with vivid carmine. They are large and very sweet, full and finely cup-shaped. Remarkable for its truly perpetual habit, every shoot being crowned with a flower bud. Each 15c. Dormant 30c.

VICK'S CAPRICE.—Perfectly hardy. The flowers are large, ground color soft, satiny-pink, distinctly striped and dashed with white and carmine. It is beautiful in the bud form, being quite long and pointed. Each 15c.

CAPTAIN CHRISTY.—Very double; color, fresh, delicate pink. Each 15c. Dormant 35c.

FRANCES E. WILLARD.—One of the startling new roses of recent date. A very handsome variety and quite distinct. It has gigantic flowers. Color, pure white. Each 20c. Dormant 40c.

PERLE DES BLANCHES.—Pure white, sometimes tinted pink. Early. Each 15c. Dormant 30c.

DUKE OF EDINBURGH.—Large and full; bright scarlet crimson, shaded maroon. Sturdy, compact growth. Each 15c. Dormant 25c.

BLACK PRINCE.—Very dark, rich, velvety crimson, passing to intense maroon, shaded black. One of the darkest roses, very handsome. Each 15c. Dormant 35c.

LADY HELEN STEWART.—Large round solid flowers, very fragrant; color bright crimson, flamed with scarlet, very beautiful. Each 15c. Dormant 30c.

THE QUEEN.—It is pure snow white, makes good, finely-formed buds, is quite full, showing the center but slightly when fully open. The petals are thick and of good substance, opens well, is very sweet and has proven valuable both for forcing and open ground planting. Each 15c.

EVERGREEN MEMORIAL ROSES.

These hardy and lasting Roses creep over the ground like Ivy. The leaves are glossy dark green. The flowers are borne in clusters profusely during July and August. Used extensively for covering graves, rock work, embankments, etc.

EVERGREEN GEM.—A single plant four years old covered a space of 240 square feet, with long shoots and completely covering the ground with its bright, glossy foliage, which is not only evergreen, but growing during mild weather in Winter. Flowers are creamy white; perfectly double and of a delightful Sweet Briar fragrance. Each 15c. Dormant 30c.

SOUTH ORANGE PERFECTION.—Produces multitudes of the most perfectly formed double flowers; color, soft blush pink at tips. Each 15c. Dormant 25c.

WHITE MEMORIAL. *Wichuriana*.—The finest rose for cemetery planting. Has dark green leaves, and creeps on the ground like an ivy rapidly branching and quickly covers any surface. The flowers are single, pure white with golden yellow stamens; perfectly hardy. Each 10c. Strong, dormant plants 25c.

GARDENIA.—Buds bright yellow, open flowers cream color, 3 to 3½ inches in diameter, incurving towards evening to the shape and color of a Cape Jessamine, hence its name; delightfully fragrant and freely produced. Each 10c. Dormant 25c.

JERSEY BEAUTY.—Extremely vigorous grower, foliage thick, of leathery substance, flowers large, single, three inches in diameter, opening pale yellow, with clusters of bright yellow stamens. Fragrant and produced in greatest profusion, covering the plant entirely. Each 10c. Dormant 25c.

UNIVERSAL FAVORITE.—The blooms are very abundant, of large size, double, of a beautiful rosy-pink, and delightfully fragrant. Each 10c. Dormant 25c.

Set of 6 Evergreen Memorial Roses for only 50 cts.

TEN NICE ROSES, OUR SELECTION OF VARIETIES, FOR ONLY 50 CENTS.



RAINBOW.



PRESIDENT CARNOT.

BEAUTIFUL HARDY ROSES.



MRS. JOHN LAING

GENERAL JACQUEMINOT.—One of the grandest roses in existence. Sure to delight every lover of the beautiful, as nothing can surpass them in beauty. Color a rich dazzling scarlet, shaded with deep, velvety crimson, making a superb glowing color. Flowers large; free bloomer. Each 15c. Dormant 30c.

MAGNA CHARTA.—Dark pink; very pretty. Each 15c. Dormant 30c.

JUBILEE.—One of the grandest hardy perpetual blooming varieties. Color dark crimson shaded velvety maroon, flowers sometimes six inches in diameter. Each 15c. Dormant 30c.

JOHN HOPPER.—Most reliable and satisfactory Rose; flowers large, regular and full; brilliant rose, shaded rich crimson; very sweet. Each 15c. Dormant 3c.

PAUL NEYRON.—Double flowers of shining carmine pink, largest rose known, perfectly grand. Each 15c. Dormant 30c.

ULRICH BRUNNER.—Rich, glowing crimson scarlet; flowers exquisite shape. Each 15c. Dormant 30c.

GENERAL WASHINGTON.—Brilliant crimson, very rich and beautiful; large, perfectly double and free bloomer. Each 15c. Dormant 30c.

DUCHESS OF ALBANY.—Deep pink, very large and full, highly perfumed; of strong, healthy growth, blooms abundantly. Each 15c. Dormant 30c.

COQUETTE DES ALPS.—One of the finest Hybrid Perpetuals; flower large, full, finely formed, pure white; profuse bloomer. Each 15c. Dormant 30c.



The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. Nothing is more beautiful than a nice hedge of these roses. In the newer varieties the season of bloom is extended throughout the summer although the grandest show of flowers is still made in the spring and autumn. The lower priced roses below named are growing plants, from pots, while the larger sizes are *strong, hardy, out door grown plants* which have been kept dormant. These can be planted outside early in spring, before it is safe to set out plants that are growing in pots, and are ready to begin blooming almost as soon as set out. We can supply these from the time this catalogue is issued, up to May 15th. The following varieties have proved to be the most satisfactory and we have discarded many varieties largely advertised by others, believing that it is to our customers' interest to plant only the best. REMEMBER WE PREPAY THE POSTAGE OR express charges on all these plants at prices named.

GLORIE DE MARGOTTIN.—This grand new Hybrid Perpetual Rose is believed to be one of the very finest varieties of recent years. Flowers very large, of symmetrical form, somewhat globular, very full and deliciously scented. The color is a clear dazzling red. Certainly one of the most brilliant roses ever seen. It is a free bloomer and vigorous grower, of great beauty and wonderful color. Each 15c. Dormant 30c.

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, very hardy, a constant bloomer. Each 15c. Dormant 35c.

BARON DE BONSTETTEN.—The Black Rose. Has splendid large flowers, very double and full. The color of this rose is a rich dark red, passing to a deep velvety maroon, nearly black. It is highly scented and very beautiful. Each 15c. Dormant 3c.

ROGER LAMBERLIN.—One of the most remarkable roses ever brought out. Petals are beautifully fringed and edged with clear white, while body of flower is a rich dark glowing crimson. You never saw a rose like it. Each 20c. Dormant 50c.

DINSMORE.—We cannot praise this enough. Always in bloom, with large, finely imbricated flowers of a rich, bright crimson. Bushy and compact. Each 15c. Dormant 30c.

MRS. JOHN LAING.—This rose for outdoor planting is undoubtedly the finest rose introduced for many years. Color a beautiful, soft pink, with most delicious fragrance; very double and of large size. A constant bloomer. Each 15c. Dormant 30c.

MARECHAL P. WILDER.—Large, semi-globular flowers, full and double. Bright scarlet crimson, shaded with maroon. Elegant. Dormant 30c.



GENERAL JACQUEMINOT ROSE.

FRANCOIS LEVET.—Elegantly formed, very full and double, the color is a distinct and handsome shade of clear coral rose, delightfully fragrant. Each 15c. Dormant 35c.

LA FRANCE ROSES.

The La France Roses are certainly the nearest perfection of flowers. Distinctive characteristics of the set are the true La France fragrance and their beautiful form. They are hardy, free blooming and in every way desirable.

LA FRANCE.—Of beautiful form, both in bud and in full bloom; very large, full and globular; a most constant bloomer. The color is a pink or silvery rose—a satiny sheen as it has been termed. Each 15c. Dormant 30c.

WHITE LA FRANCE.—It is identical with La France except the color. It is pearly white, sometimes tinted fawn. Each 10c. Dormant 30c.

STRIPED LA FRANCE.—Imagine a lovely rose with the shape and fragrance of La France, of a rich creamy pink, with a silvery gloss, the whole beautifully etched and streaked with delicate carmine. Each 15c. Dormant 30c.

RED LA FRANCE.—Deep rose pink hue. Flowers are produced in wonderful profusion upon long stems; are very large, double and of superb form. Each 10c. Dormant 30c.

The Set of Four for only 35 Cents.

MAD. MASSON.—Superb. Blooms all the time. Large, full and double flowers. Color distinct bright rose. Dormant 30c.

MAD. CHARLES WOOD.—Large, double flowers. Bright fiery scarlet, passing to rosy crimson, shaded maroon. Dormant 30c.

PRINCE CAMILLE DE ROHAN.—A fine rose of rich velvety crimson, passing to maroon, shaded black. Dormant 35c.

MADAME PLANTIER.—Flowers borne in great profusion, pure white, hardy as an oak, and as certain to grow as grass. Blooms in June. Each 15c. Dormant 25c.

PERSIAN YELLOW.—Perfectly hardy; flowers double and full, deep golden yellow in color. Blooms very freely in June. Dormant 35c.

ENGLISH SWEET BRIAR.—(Lord Penzance Hybrids.)—Flowers bright pink, white crimson and yellow. They are single, but the exquisite fragrance of the flowers, leaves and young branches in spring frequently perfume a whole neighborhood. Dormant 30c.

MOSS ROSES.—Acknowledged queen of all roses; moss-covered stems and buds show off delicate loveliness of blossom to great advantage. Hardy, bloom freely, of easiest culture and succeed on any soil. We can furnish strong, dormant plants at prices named.

Crested Moss.—Deep pink colored buds, surrounded with a mossy fringe; fine. Ea. 35c.

Crimson Globe.—Fine large flowers, deep rich crimson, richly mossed. Each 35c.

White Moss.—Beautiful. Each 35c.



CRESTED MOSS ROSE.

TEN HARDY DORMANT ROSES, ALL DIFFERENT, OUR SELECTION, FOR \$1.75.

CLIMBING ROSES.

For porches and trellises nothing surpasses the climbing roses, especially the everblooming varieties. We recommend the two year old dormant plants for immediate effect.

MRS. ROBT. PEARY, or CLIMBING KAISERIN AUGUSTA VICTORIA—The most remarkable new Rose of recent introduction. The flowers are extra large, full, deep and double. They are of excellent substance, and produced on long, stiff stems. The buds are long and pointed, a remarkable feature not found in any other climbing Rose. 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.

CLIMBING METEOR.—Might almost be called a "Perpetual Blooming Climbing Jacqueminot;" buds exquisite, flowers large, beautifully shaped, rich, dark, velvety crimson. Each 15c.

MANDA'S TRIUMPH.—A beautiful white climbing rose. It is a very rapid, sturdy grower, and bears a profusion of double, pure white, beautifully imbricated flowers; elegant for cemetery. Each 15c. Dormant 30c.

ENGLAND'S FAVORITE.—An everblooming, hardy climber of beautiful golden yellow color, shading to rich copper color in the center. A striking, unique shade, sure to attract attention. Delightfully fragrant. Each 20c. Dormant, 4c.

AMERICA.—A novel everblooming climber bearing immense numbers of large, beautiful buds of rich, creamy white tinted with pink. Each 20c. Dormant 40c.

GLOIRE DE DIJON.—A climbing variety for indoor growing; amber color and very large. Each 15c.

RUSSELL'S COTTAGE.—Dark crimson, very double and full; extra strong, rampant grower of ironclad hardiness. Each 15c. Dormant 30c.

MARECHAL NEIL.—Very bright, rich golden yellow; very large, full and perfect form; of vigorous climbing growth and a free bloomer. We have seen greenhouses devoted to a single plant of this variety, from which it was not unusual to cut 500 to 2,000 flowers per day. Not hardy. Each 15c.

RED MARECHAL NEIL.—Identical with its noted namesake but of carmine red color. Beautiful and fragrant. Each 20c.

EMPRESS OF CHINA.—A new climbing Rose of Chinese origin. The plant is a strong, healthy grower, making a fine specimen in a very short time, and produces its flowers in the greatest profusion. Hardy and a perpetual bloomer. Color, soft red, changing to light pink when fully open. Each 15c. Dormant 35c.

PINK ROAMER.—Single; flowers pink with white center. Strong vigorous grower; quite similar to the White Memorial. Each 10c. Dormant 25c.

SEVEN SISTERS.—Crimson, changing all shades to white; blooms in clusters. Each 15c. Dormant 25c.

MARY WASHINGTON.—A hardy perpetual blooming climber producing double snow white blossoms from June until frost. In this lovely rose our first president took special delight and named after his mother, Mary Washington. The original bush can yet be seen at Mt. Vernon. Each 15c. Dormant 35c.

SET OF RAMBLER ROSES.

CRIMSON RAMBLER.—This beautiful rose is truly a most desirable climbing variety. When the shoots are fastened down or it is grown in bush form, marvelous heads of bloom are the result. It is exceedingly hardy. Flowers with which the plant is covered in spring are produced in large trusses of pyramidal form and of the brightest crimson color. The blooms remain on the plant for a great length of time without losing their brightness. Each 10c. Strong dormant plants 30c.

YELLOW RAMBLER.—Grand new variety like above except that it is golden yellow and is one of the most satisfactory sorts. Each 10c. Dormant 25c.

WHITE RAMBLER.—Quite similar to above except that it is pure white, very fragrant. Each 15c. Dormant 25c.

PINK RAMBLER.—Of vigorous climbing habit with flowers of shining rose color. Each 10c. Dormant 30c.

PSYCHE.—A seedling of the famous Crimson Rambler. Blooms in clusters of from 8 to 25 flowers each, of a delicate rosy pink shade, suffused salmon and yellow at the base. Of vigorous habit. Each 15c. Dormant 40c.

HELENE.—Larger and more double than Crimson Rambler. Color, soft violet rose. Each 15c. Dormant 40c.

SPECIAL: Set 6 Ramblers for only 50c or in large dormant plants \$1.25 prepaid



MRS. ROBT. PEARY ROSE.

BALTIMORE BELLE.—Very double blush white, in large clusters, completely enveloping the whole plant with bloom. Each 10c. Dormant 25c.

PRAIRIE QUEEN.—An old standard variety, and one that will always be popular. Bright rosy red, large, compact and globular flower. Each 15c. Dormant 30c.

DOROTHY PERKINS.—A remarkably fine novelty now offered for the first time and stock is still very scarce. Upright growth; very hardy. Immense clusters of deep pink flowers. Each 20c.



CRIMSON RAMBLER ROSE.



DOROTHY PERKINS ROSE.



MARY WASHINGTON ROSE.

ORDER YOUR ROSES EARLY AND SET THEM OUT EARLY TO SECURE LOTS OF FLOWERS.

AQUATIC PLANTS.

The constantly increasing demand proves the coming popularity of Aquatics. Their requirements are very simple, only sunshine, shallow water and rich soil being necessary. Artificial ponds can easily be made or you can grow them in tubs or tanks. In winter most of the varieties should be taken in to keep from injury by frost. Nothing will give more pleasure than a pond or fountain basin fixed up in your lawn to hold aquatic plants and gold fish. Most of the varieties we offer are also adapted for growing in aquariums in the house.

FAIRY WATER LILY.—This resembles a miniature water lily bearing small white flowers the year round. Fine for aquariums. See description with novelties. Each 15 cents.

WHITE POND LILY.—(*Nymphaea Odorata.*)—The praises of our fragrant water lily can never be too highly sung. Its lovely pure white flowers are worthy a place beside the most costly exotics and its beautiful flowers attain a size of 5 to 6 inches across. Plant the roots in muck or loam, covering the latter with about two inches of sand or fine gravel to hold them in position. Strong roots 30c each; dozen \$3.00.

PINK POND LILY.—(*Nymphaea Rosea.*)—The famous pink lily of Cape Cod, and is a grand acquisition. It possesses all the desirable qualities of the white flowered species, hardiness, freedom of bloom and delicious fragrance, with the added charm of deep



WATER LILIES.

pink color. Flowers average larger size than the white. Large roots of bright golden yellow color and delicious fragrance. Each 50c.

EGYPTIAN LOTUS.—(*Nelumbium Speciosum.*)—A noble aquatic known in Egypt, India and China as the "Sacred Lotus." Has gigantic leaves of most tropical appearance and flowers sometimes a foot in diameter. Color white shading to pink. Easily grown either in tubs or ponds. Each \$1.00.

Aquatic Collection. One plant each of above 5 for \$2.25 prepaid.

SAGITARIA.—A grass-like plant quite desirable for growing in aquariums. When well established it is a very satisfactory plant, growing rapidly, fine wavy appearance. Propagates slowly, therefore expensive. 25 cents each.

WATER HYACINTH.—One of the most remarkable, curious and beautiful plants we have ever grown. It floats in water forming a lovely rosette of its curious, shining green leaves, and throws up spikes of most exquisite flowers. Color a beautiful, soft lilac rose, sparkling as if covered with diamond dust. The upper petal has large metallic blue blotch, and in the center of that a small golden yellow spot. Each 15c.

TRAPA NATANS.—The Chinese Horn Nut described with novelties. Grows nicely in aquariums. Package of 4 nuts 15 cents.

VARIEGATED CYPERUS.—A decided novelty which will please all flower lovers. It is a sport which occurred in our greenhouse several years ago and we have since been propagating to try and obtain sufficient stock to offer it to our trade. The plant resembles in every way the Umbrella Palm offered on this page but the foliage is beautifully striped dark green and pure white, thus making one of the most showy and attractive plants. Does nicely for growing either in pots or in the aquarium as it is of easiest culture. Each 35c.

LEMNA.—This is sometimes called Duckweed, and is often found floating. It has small, oval leaves, with rootlets hanging down in the water, and the plants are produced very rapidly by off-shoots. It is an ornamental plant and shades the water. The fish are fond of it because of the amount of animal life which lodges in the roots and leaves. Bunch 15c.



PARROT'S FEATHER.



WATER HYACINTH.



CABOMBA, OR AQUARIA MOSS.

PARROT'S FEATHER.—An aquatic hanging plant is a novelty indeed, and we have it to perfection in this dainty little jewel. Its long, trailing stems are clothed with whorls of most exquisite foliage, as finely cut as leaves of the Cypress Vine, but more delicate. Planted in water tight hanging basket, will trail finely. Each 15c.

CHINESE SACRED LILY.—It is a beautiful and attractive white flower. The bulbs are very large, and bloom in a few weeks. We can usually furnish them until the last of March. Each 15c.



LUDWIGIA.

LUDWIGIA.—A pretty plant with smooth, green leaves, variegated at certain seasons with yellow and red. It grows nicely in the aquarium and propagates rapidly if set in sand. It is considered one of the best oxygenators of all aquaria plants, and is, therefore, of special value in purifying the water for the fish. Each 10 cents, 6 for 50 cents.

CABOMBA OR AQUARIA MOSS.—This is the prettiest plant in existence for growing in aquariums and also the most valuable. The foliage is of a beautiful light green and the leaves spread out like a fan, which gives it the name of Fanwort. The leaves are beautifully and regularly cut and resemble a delicate lace fern. It has flowers measuring half an inch in diameter, which are white, with yellow spots at the base. It rarely blooms in the aquaria, but grows all the year round. It looks much better during the fall and winter than during the spring months. It may be broken at any length and roots readily. Should be weighted down so that the base of stems are in the sand. Bunch of ten stems 25c postpaid.

UMBRELLA PALM.—(*Cyperus.*)—An ornamental and very striking plant as shown by the cut. It throws up slender, round stems from two to three feet high, surmounted at the top by a whorl of flat, ribbon-like leaves, diverging horizontally, giving the plant a very curious appearance. It is a splendid decorative plant, being as ornamental as a palm or fern, and above all, it is as easily grown as the commonest weed, as it will thrive in shade as well as sun. It is an excellent plant for the dining room table; or as a water plant in very moist spots or for aquariums or fountains. It should have an abundance of water. We sell thousands of these plants and they are always satisfactory. Nice plants 15c each. Larger 25c and 50c each.



CYPERUS, OR UMBRELLA PALM.

HARDY SHRUBS.

If you have a home of your own better add permanent improvements by setting out an assortment of hardy shrubs. It costs but little to begin with and you will in a few years have a place to be proud of. There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs. Our price is for strong, healthy plants sent by mail or express prepaid.

LILY OF VALLEY SHRUB. (*Andromeda*.)—One of the most beautiful flowering shrubs and one which is very highly prized and sought after in Europe where they consider it one of the **finest of all American plants**. It is of dwarf, compact growth (2 to 3 feet high), the foliage is a rich dark green similar to Privet and in June it is loaded with a great profusion of spikes of bloom three to eight inches in length. The flowers are **pure waxy white**, drooping like little bells and bear a great resemblance to Lily of the Valley. It is almost an evergreen, but should be protected with straw during coldest winter weather. Each 40c.

AZALEA MOLLIS.—Showy, hardy plants, used extensively in parks and public grounds. The brilliancy of their yellow, orange and carmine flowers is not approached by anything in the line of hardy shrubs. Excellent for the front of borders or clumps of taller growing shrubs. A row of these 300 feet long on our place attracted great attention last summer. Each 60c.

SAMBUCUS AUREA.—The beautiful golden leaved Elder, so showy on lawns. Each 30c, small 15c.



AZALEA MOLLIS.

HYDRANGEA PANICULATA GRANDIFLORA. The grandest as well as the most popular of all shrubs, and hundreds of thousands of them are sold every year and the demand is constantly increasing. **Unsurpassed for the lawn**, as a hedge or for cemetery planting. It readily attains a height of 5 to 7 feet; **hardy in all localities**, needs no protection in winter; blooms the first and every season in July and August and continues in bloom for two or three months; the flowers are massive, cone-shaped, often measuring 10 inches in length, and have a pleasing variation of color, changing from the original pure white to pink, and finally a beautiful, rich coppery red. Each 15c, doz. \$1.25. Large dormant plants each 35c; doz. \$2.50.

CALYCANTHUS.—A beautiful sweet-scented shrub; flowers purple, quite double, exquisitely fragrant and borne in profusion during the entire season. Each 20c.

FLOWERING ALMOND.—One of the earliest flowering and finest shrubs. Loaded with double pink flowers which attract a great deal of attention. Each 35c, small 20c.

WHITE FLOWERING ALMOND.—A charming variety, fully equal to above, but with snowy white flowers. Each 40c, small 20c.



JAPAN SNOWBALL.



HYDRANGEA PANICULATA GRANDIFLORA.

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. Strong plants, each 25c, small 15c.

DEUTZIA—Wateri.—A grand variety with large flowers borne in large, loose racemes. Small 15c.

DEUTZIA—Crenata.—Flower double white, tinged with pink. Small 15c.

JAPAN SNOWBALL.—A valuable improvement on the common snowball, the flowers being smaller and more numerous, there frequently being as many as twenty balls on a stem 18 inches long. Balls all face upwards and thus better show their beauty. Each 35c.

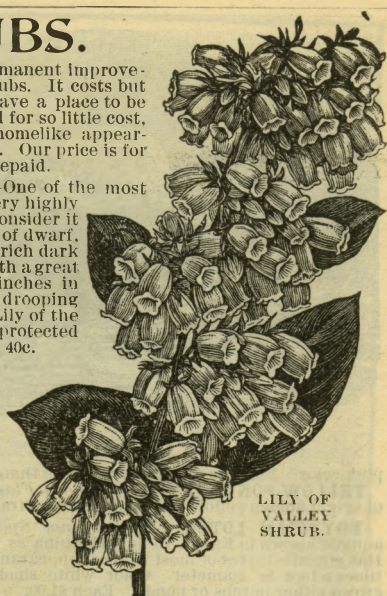
EXOCHORDIA GRANDIFLORA.—(*Pearl Bush*.)—A neat, compact bush 10 to 12 feet high; can be trimmed any desired shape; flowers borne in slender racemes of 8 to 10 florets each, on light and wiry branches that bend beneath their load of bloom just enough to be airy and graceful. Hardy; flowers pure white. Each 25c.

FORSYTHIA.—(*Golden Bell*.)—A fine, hardy shrub of weeping or pendulous habit; deep green leaves, bright yellow flowers; blooms early. Each 25c, small 10c.

PURPLE FRINGE.—A large shrub with long feathery flower stalks, which give the tree the appearance of being covered with a cloud of smoke. Each 25c.

BRIDAL WREATH.—(*Spiraea Prunifolia*.) A beautiful common shrub; blooms in May with long sprays of beautiful flowers; the sight is one which attracts the attention of everyone. Plant is of symmetrical growth, and bears the long, graceful sprays of flowers in profusion. Each 20c, small 10c.

NOTICE our list of Flower Seeds and remember that we grow them ourselves.



LILY OF VALLEY SHRUB.

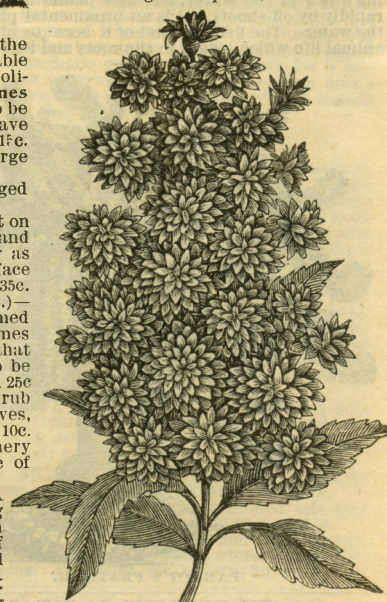
SNOWBALL.—A well known and popular shrub, which grows to large size, covered with dense, spherical clusters of white flowers, which gives it its name. Each 25c.

LILAC, Persian.—A well known, strong growing shrub, bearing large fragrant clusters of purple flowers early in spring. Each 20c.

LILAC, White.—Like above but has white flowers, making it more desired by some. Each 25c.

LILAC, New Double White.—A novelty of great merit and the **finest flowering shrub which has been introduced for many years**. The truss is of immense size and they are produced in profusion, blooming even the first year that the plants are set out. The individual flowers resemble miniature tuberoses and are deliciously fragrant. This is a novelty which will surprise and please everyone. 50c.

ELEAGNUS LONGIPES.—A very desirable nearly evergreen shrub; the branches are thickly studded with tiny brown dots or scales, giving a rusty appearance, contrasting strikingly with the light hue of the foliage, which is silvery on the under surface with little white scales. The crop of orange-colored fruit is dotted with small ferruginous specks. Each 25c.



PRIDE OF ROCHESTER DEUTZIA.



WEIGELA.

RHODODENDRON, (*Rosebay*).—This is universally acknowledged to be the most showy, magnificent, hardy evergreen shrub that grows. It will thrive in any good soil without any special preparation, and in the full blaze of the sun, but it is more luxuriant in good, well prepared soil and in partial shade. Has broad, thick evergreen foliage of glossy richness and in June is almost hidden by the magnificent array of beautiful flowers in clusters. Protect well with leaves and brush during the winter or remove plants to a light basement. By express or freight, \$1.50 each; \$15.00 per dozen.

SPIRAEA VAN HOUTTI.—The hardiest of all Spiraeas. The bushes form fine, compact clumps; the pure white flowers are borne in such masses that they form great plumes, drooping gracefully, giving the clumps the appearance of "a snow bank of white bloom." Each 25c.

TAMARIX.—The finest addition to our list of hardy shrubs. Foliage light, feathery, graceful; sage blue in color; very ornamental; blooms through summer and autumn. Does equally well in city yards where exposed to smoke and dust. Each 25 cents, small 15 cents.

XANTHOCERAS.—A pretty shrub producing long racemes of beautiful, pure white flowers with copper-colored streaks at base of petals. When plant blooms, in May, flowers are so numerous as to almost conceal foliage. Each 25c.



HARDY PERENNIAL PHLOX.



RHODODENDRON.

WEIGELA.—Superb, large trumpet-shaped flowers in June and July of all shades from white to dark red. It is robust but graceful in habit of growth, and blooms with a degree of profusion that is truly wonderful. Either as a single specimen or in groups it is certainly one of the most effective and most satisfactory shrubs we know of. By pruning thoroughly, every summer the plant can be kept in neat bush shape and will bloom better. Assorted varieties. Each 25c. Small 15c.

CORCORUS JAPONICA OR KERRIA.—A slender shrub four to five feet high, with beautiful yellow blossoms from July to October, constantly in bloom. Small, each 15c.

SNOWBERRY.—Bears small, pink flowers followed by large, white berries which hang on most of the winter. Very showy and desirable. Small plants 2c.

CORAL BERRY.—Like above, but with red fruit. Each 20c.

DWARF POMEGRANATE.—A beautiful shrub bearing large double scarlet flowers. Must be kept in the cellar over winter in the northern states. Each 25c.

ROSE OF SHARON, DOUBLE WHITE.—(*Althea* or *Hibiscus Syriacus*).—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 about two inches in diameter and produced in great great profusion. Each 25c. Small 15c.

ROSE OF SHARON, DOUBLE PURPLE.—Like above except that the flowers are of beautiful purple color. Each 25c. Small 15c.

ROSE OF SHARON, DOUBLE VARIEGATED.—Variegated pink and white. A beautiful and attractive variety. Each 35c. Small 15c.



VARIEGATED ROSE OF SHARON.

SPIREA—Anthony Waterer.—In our estimation one of the best flowering hardy plants. Makes a dwarf bush 15 to 18 inches high, covered from spring till late in the fall with large heads of crimson flowers. Hardy. Grand for border to taller growing shrubs, or single specimen plants. Each 15c; extra choice 25c.

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, so full is it of dainty sprays of large, lovely rose-pink blooms which are of size and shape of the most lovely sweet peas. Each 35c.

COLLECTION OF HARDY PHLOX.

We know of nothing in hardy perennial plants as showy and effective as a fine collection of hardy phloxes, and the new and improved varieties that have been introduced recently will add very much to their popularity. In our trial grounds they have attracted much attention and favorable comment, and it is with pleasure that we offer the following collection, which embraces the newest and choicest varieties obtainable. Some of the varieties have exceedingly brilliant shades of color. In others the flowers are exceedingly large and the coloring very desirable. They can be had in bloom from June until very late fall, and we know of nothing that can be planted that will give more general satisfaction.

FRINGED QUEEN.—A novelty with very handsome pure white, elegantly fringed flower. Each 35c.

ECLAIREUR.—Purplish-crimson, with light halo; a fine large flower. Ea. 15c.

THE PEARL.—Best pure white variety. Large, beautiful flowers. Each 20c.

MOLIERE.—Salmon rose, with deep rose eye; a beautiful flower. Each 15c.

AMPHION.—Deep purplish crimson. Each 15c.

JEAN D'ARC.—Dwarf with extra large pure white trusses. Very fine. Ea. 20c.

WM. ROBINSON.—An elegant large, fine, rosy salmon variety. Each 15c.

LASOLIEL.—Light, crimson tinged lilac. Each 15c.

AMORITE.—White overlaid with lilac. Center rosy crimson. Each 10c.

ATHIS.—Light salmon rose. Each 10c.

BAYARD.—Attractive new variety. Bright rosy lilac. Each 15c.

COLLECTION.—One plant each of the above eleven varieties for only \$1.25.

MIXED VARIETIES.—A large assortment. Each 10c; doz. \$1.00.

LARGEST STOCK AND GREATEST VARIETY OF ROSES IN THE WEST. SEE OUR 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 the postage or express charges at these prices.

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.

CLEMATIS, Jackmanii.—Most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy and sure to succeed anywhere. **Flowers four to six inches in diameter**, of a rich, deep velvety purple, distinctly veined. It is a prince among all hardy flowering vines. It is especially adapted to open lawns or house fronts in the city or country. Perfectly hardy; **blooms the entire season from July to October**, bearing beautiful and lasting flowers. Strong plants each 45c postpaid. Extra large three year old roots, 75c.

CLEMATIS, Henryii.—This may be briefly described as a white flowered Jackmanii. It is the finest of all the white sorts, the same size as Jackmanii. Each 40c.

CLEMATIS, Mad. Edouard Andre.—An entirely distinct and beautiful new variety, being the nearest approach to 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 10c.

CLEMATIS, Paniculata.—This small-flowered variety of Clematis is one of our most beautiful, hardy fall blooming vines. **The flowers, which are of pure snowy white, are produced in immense clusters** fairly covering the plant with a mass of fleecy white. They have a delicious fragrance. The plant is of extreme rapidity of growth. Each 20c. Large, extra strong plants each 35c.

CLEMATIS, Graveolens.—A somewhat rare variety which greatly resembles the Paniculata in shape and size of flower, but does not bloom as freely. Flowers yellow. An attractive plant which should become more popular. Each 35c.

CLEMATIS, 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. It is a herbaceous perennial, growing about 12 feet high. Each 25c.

VIRGIN'S BOWER, Clematis Flammula.—A very handsome variety of the Clematis, growing to a height of 20 feet and making a nice shade for porches, arbors, etc. The first season the plant grows 10 to 12 feet and it is **covered with thousands of pure white flowers**, which are delightfully fragrant, and it blooms from July to September. The vine is perfectly hardy, rapid growing, graceful, and will succeed everywhere. Each 15c.

COLLECTION. A nice plant of each of the above 7 kinds of Clematis for only \$1.65, postpaid. A great bargain. Regular price, \$2.30.



VIRGIN'S BOWER,

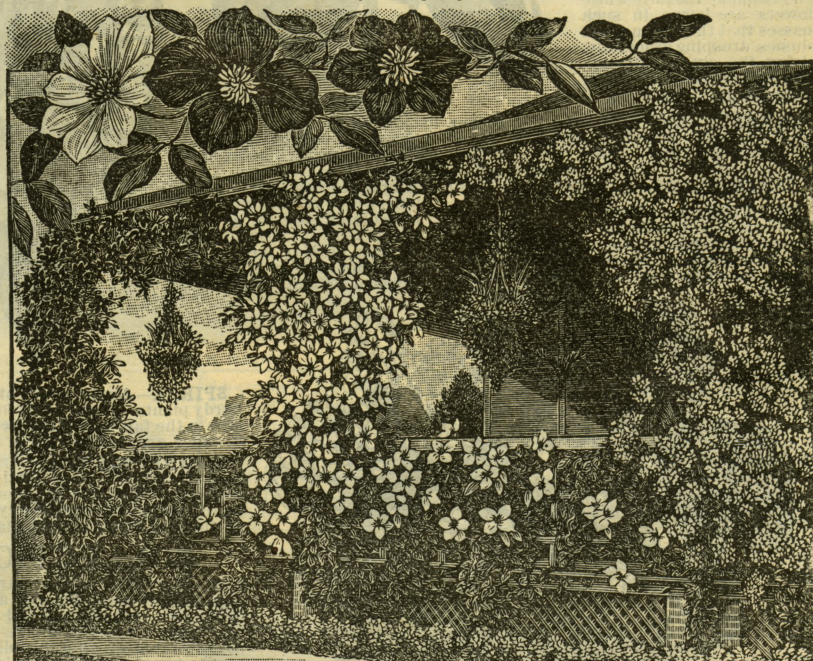
AMPELOPSIS.

VEITCHI—(Boston Ivy.)—A beautiful 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 over-lapping 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 wood work with the greatest tenacity. It is a great protection to houses, as the leaves, lapping over each other like slates on a roof, effectually prevent 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 scarlet, crimson and orange, so dazzling as to be seen at a great distance. Each 15c. Large, strong plants 25c.

AMPELOPSIS SAULI.—A novelty in the Ampelopsis, which is a very rapid grower and has handsome foliage. Very desirable but may not prove hardy in the far north. Each 35c.



APIOS TUBEROSA.



CLEMATIS JACKMANII. CLEMATIS HENRYII. CLEMATIS PANICULATA.

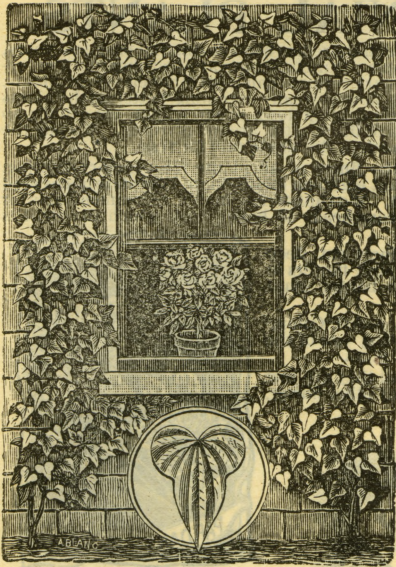
CALYSTEGIA.—An excellent, rapid growing, hardy vine coming up from the roots each year. Bears a profusion of beautiful double pink flowers. Each 15c, doz. \$1.50.

APIOS TUBEROSA.—A valuable hardy tuberous-rooted climber, resembling in miniature the common 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 near together to produce a mass of vines and flowers. Each 5c, doz. 40c.

BIGNONIA RADICANS.—(Trumpet Creeper.)—Another old fashioned hardy climber. It has clusters of large, trumpet-shaped, crimson-orange flowers. Grows in almost any soil and under trying conditions; hardy. Each 10c. Large plants 25c.

CHINESE MATRIMONY VINE.—A vigorous growing, hardy, climbing vine that may be used anywhere that a vine is needed for training to trellis, fence or wall. Every new shoot becomes filled with small purple flowers, which are remarkably handsome, and are followed by brilliant scarlet berries nearly an inch long. Is already a popular climbing plant. Succeeds everywhere. Each 15c.

A PORCH IS UNATTRACTIVE WITHOUT PLENTY OF VINES.



CINNAMON VINE.

HARDY VINES—Continued.

CINNAMON VINE.—This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon, and is very appropriately called the Cinnamon Vine. Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. With its beautiful heart-shaped leaves and clusters of delicate white flowers and delicious cinnamon odor it is a **most desirable climber**. We have always been short of these but this year grew about 35,000 roots and hope to be able to supply the demand. We furnish the large tubers, postpaid, for 10c, 3 for 25c, dozen 75c.

CINNAMON VINE BULBLETS.—Quite satisfactory but do not produce as much vine as the large roots the first year. Per doz. 15c, per 100 75c.

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. Entirely hardy when planted out and makes an ornamental, dense mat on the ground. Each 10c.

HALL'S JAPAN HONEYSUCKLE.—A constant bloomer; flowers pure white changing to yellow, fragrant; for trellis or pillar. Each 20c. Small 10c.

BLUE CHINESE WISTARIA.—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, climbing to a height of fifty feet; when covered with bloom is magnificent. Each 25c. Small 10c.



GLECOMA.

AKEBIA QUINATA.—A perfectly hardy, fast growing Japan vine, with magnificent foliage, 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 20c.

ARISTOLOCHIA.—*(Dutchman's Pipe Vine.)* A vigorous growing hardy vine, with broad, deep green leaves, six to eight inches in diameter, and curious yellow-brown tubular flowers resembling in shape a meerschaum pipe; very desirable for covering verandas, etc. Each 40c.

HOP VINE.—A vigorous hardy, ornamental vine, useful for covering old trees, outbuildings, fences, etc. Each 15c.

SILK VINE.—*(Periploca Greeca.)*—A beautiful, rapid growing climber; grows thirty to forty feet high, hardy. Leaves glossy and glitter like silk, therefore its name. Flowers purplish brown in clusters. Each 25c.

HARDY MOONFLOWER.—*(Ipomoea Pandurata.)*—A nice tuberous rooted climber which increases in size and beauty each year. The flowers are four to six inches in diameter, pure white, shading to pink, with a handsome purple throat. Blooms are produced in great profusion and remain on the plant for several days. Each 25c.

HARDY BLUE SOLANUM.—A beautiful perennial vine of rapid growth. The handsomely cut foliage makes a beautiful shade for porch or arbor and is also desirable to train along fences, etc. It is covered during the summer months with **hundreds of clusters of blue flowers**, brightly set off with golden stamens, clusters measuring 18 inches in circumference, and often attaining a length of 12 inches. It is a superior plant of ironclad hardiness. The flowers are succeeded by bright scarlet berries. When you consider its handsome foliage, beautiful flowers and berries and hardiness it is difficult to find a more satisfactory climber. Strong, one-year-old plants of above 25c each; dozen \$2.00. Small 10c.

COLLECTION.

Ten Hardy Vines, all different, our choice of varieties, but all desirable, for \$1.50.

WE SHIP PLANTS EVERYWHERE.

The plants arrived by mail today in good condition.—Pedro D. L. Santos, Saltillo, Mexico.

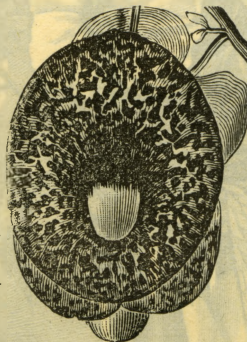
Plants came in fine condition.—Mrs. R. S. Chaffee, Springfield, Mass.

Plants received in perfect order and I am much pleased with them.—Wm. B. Foss, South Berwick, Maine.

Don't fail to try the

BEAUTIFUL CAMELIA VINE.

A perfectly hardy climber described on colored plate. Each 15 cents.



ARISTOLOCHIA.



WHITE WISTARIA.—Like above but has pure white flowers and is a lovely climber. It is a strong, vigorous grower and flowers are freely produced in long pendant clusters. Each 25c. Small 15c.

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 15c, dozen \$1.25.

RED CORAL HONEYSUCKLE.—*(Scarlet Trumpet.)*—There is nothing prettier than this; the foliage is pretty, neat and clean; the bright red, trumpet-shaped, fragrant flowers nearly continuous. Each 25c. Small 15c.

BITTERSWEET.—A native climbing or twining plant with fine large leaves, yellow flowers and clusters of orange capsuled scarlet fruit. Makes a nice fall and winter display. Each 35c.

ENGLISH IVY.—A well known evergreen climber, highly valued in the east and south, but not hardy here. Makes a nice climber for the house and when planted in the open ground should be on the north side of a building as it is apt to suffer if exposed to the sun in winter. Each 10c, large size 25c.

CLIMBING ROSES.

If our customers only realized the pleasure 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 on another page, but be sure to try the following:

ENGLAND'S FAVORITE.—The new coppery yellow rose. Each 20c.

AMERICA.—A beautiful white with pink and yellow shading. Blooms incessantly. Each 20c.

CRIMSON RAMBLER.—Ea. 15c.

YELLOW RAMBLER.—Ea. 10c.

WHITE RAMBLER.—Each 15c.

PINK RAMBLER.—Each 10c.

World famous varieties and always satisfactory. Set of 4 for 35c.

MARY WASHINGTON.—Unquestionably the finest pure white climber. Each 15c.

HARDY MEMORIAL ROSES.

The leaves of these varieties are glossy dark green and are of an evergreen nature remaining on the plant almost the year around and are used quite extensively for covering graves, rockwork, embankments, etc. Bloom profusely during July and August.

EVERGREEN GEM.—Each 15c.

Universal Favorite. each 10c;

Mandas Triumph, each 15c; **South**

Orange Perfection, each 15c; **Jersey**

Beauty each 10c; **Wicherriana,**

each 10c; **Gardenia,** each 10c. Set

of seven for only 65c postpaid.

HARDY PERENNIAL PLANTS.

It is really wonderful the immense demand which there has been during the past few years, our trade in this line multiplying fourfold every year. Our customers are learning that they require less care and are more satisfactory with ordinary culture than most other classes of plants. When once set out they bloom year after year, the flowers really becoming better as the plants grow older. These varieties are all hardy, the tops dying down every winter, but coming up again in the spring. It is well to cover with leaves or litter after ground is frozen. We pay the postage on all of these and you may select \$1.25 worth at the single rate for \$1.00.

ACHILLEA.—The Pearl.—Beyond question the finest of all plants for cemetery planting. The flowers are good sized, forming a beautiful plant eighteen inches high, **completely covered with pure white flowers from July until frost.** We cannot too highly recommend this for general planting. Our cut shows one of the numerous heads of bloom with which the plant is covered. Each 10c, dozen 75c.

ACHILLEA MILEFOLIUM ROSEUM.—Finely cut deep green foliage. Bears a mass of handsome bright pink flowers in heads or umbels. Well worth growing, both as a border plant and for cutting. 15c each, \$1.50 per dozen.

AQUILEGIA.—These beautiful flowers, often called Columbines, are always beautiful and attractive, reminding one of the woods. Many handsome colors. Each 15c, dozen \$1.25.

BLUE BELLS.—No one can help loving the beautiful "Blue Bells of Scotland," and they are just as beautiful when grown here. Poets have sung their praises more than almost any other flower. Each 15c, dozen \$1.25.



PEARL ACHILLEA.

CRIMSON EYE HIBISCUS.—This elegant Hibiscus is a robust grower, with dark red stems and foliage. The flowers are immense in size, often measuring twenty inches in circumference. The color is of the purest white, with a large spot of deep velvety crimson in the center of each flower. It will succeed anywhere and is perfectly hardy. A large bed of these on our place last summer attracted the admiration of everyone. Each 15c, dozen \$1.25; extra large 30c each. Seed 10c per pkt.

GRASS PINKS.—The hardy and pretty clove-scented flowers which our grandmothers loved. Their fragrance is quickly noticed by anyone passing by the yard where they are grown before seeing the flowers. Flowers are double, semi-double and single, and range from pure white to dark pink and red. Each 10c, dozen \$1.00.

HER MAJESTY GARDEN PINKS.—A grand variety of the hardy garden pinks. Plants grow to large size, spreading and producing immense numbers of pure white, perfectly double flowers. Each 15c, dozen \$1.25.

LILY OF THE VALLEY.—A bed of these planted in some shady nook will prove satisfactory as their pure white flowers are always desirable. 4 for 15c, dozen 35c.

GAILLARDIA GRANDIFLORA.—These are among the showiest and most effective of hardy perennial plants; beginning to flower in June, they continue one mass of bloom the entire season. They will thrive in almost any position or in any soil, but respond freely to liberal feeding. Being perfectly hardy they require absolutely no protection, taking care of themselves. The flowers are large, from 2½ to 3½ inches in diameter. They are produced on long stems, and are excellent for cutting, and of the most gorgeous coloring. The center is a dark reddish brown, while the petals are variously marked with rings of brilliant scarlet crimson, orange and vermillion, and often a combination of all these colors in one flower. Each 15c, doz. \$1.50.

LATHYRUS.—(Perennial Sweet Peas.) A hardy perennial which blooms all summer. A good plant for cutting. Each 20c.



LEMON LILY.

MONARDIA DIDIMA.—(Osweego Tea.)—Flowers bright scarlet, produced in spikes. Each 10c, doz. 75c.

IBERIS SEMPERVIRENS.—(Perennial Candytuft.)—A dwarf plant producing clusters of handsome flowers. Each 20c.

CANTERBURY BELLS.—We can furnish both double and single in assorted colors. Each 15c, dozen \$1.25.

MYRTLE.—A handsome trailing plant largely used for cemetery planting. Has beautiful, glossy dark green leaves forming a mat over the surface of the ground. Flowers heavenly blue. We know of one lawn made of these plants which is very showy and attracts the attention and admiration of every passerby. Each 10c, doz. 75c. \$4.00 per 100.

LEMON LILY.—(Hemerocallis Flava.)—This handsome flower is not a true lily as the root is of different shape, but flower is very much like Lillium Speciosum in form, about 3 inches in diameter. A clear lemon yellow, very bright, pleasing appearance. Has most delightful lemon fragrance; each flower stem bearing 7 to 20 flowers; hardy. Each 15c, dozen \$1.50.

ORANGE LILY.—(Hemerocallis Dermorteri.)—Similar to Lemon Lily but of a fine orange color. Each 15c, dozen \$1.50.

LARGEST STOCK AND VARIETY
OF ROSES IN THE ENTIRE
WEST. SEE LIST ELSEWHERE



CRIMSON EYE HIBISCUS.



PARDANTHUS.—(Blackberry Lily.)—Quite curious and handsome. Flowers orange color spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters like a blackberry in size, shape and color. Each 10c, 3 for 25c, doz. 85c.

BABY'S BREATH or MIST.—(Gypsophila Paniculata.) Beautiful old-fashioned perennial; it possesses a grace not found in any other perennial, and attracts the attention of everyone. When in bloom it forms a symmetrical mass 2 to 3 feet in height, of minute white flowers, giving it a beautiful gauze-like appearance. For cutting purposes it is exquisite, especially in combination with high-colored flowers, and some lovely effects can be produced with it. 10c each; doz. \$1.00.

STRIPED RIBBON GRASS.—The common striped grass, no two leaves alike. Is pretty for clumps and borders. Each 10c, dozen 75c.



GAILLARDIA GRANDIFLORA.



PHLOX SUBLATA OR MOSS PINK.

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 35c.

HOLLYHOCKS.—We have the choicest varieties of these stately plants; mixed colors. Strong plants each 20c, doz. \$2.00.

LYSIMACHIA.—A small creeping plant sometimes called "Creeping Jenny;" quite useful for borders and cemetery planting, forming a mat of green foliage. Ea. 10c, doz. 75c.

JAPANESE IRIS.—(*Kaempferi*).—These magnificent Iris are among the most beautiful of our summer flowering plants and are marvels of elegance and stateliness. Think of a plant sending up to a height of three feet a dozen flower spikes, each spike bearing two to four blossoms eight or ten inches across, and of the most delicate and beautiful colors, markings and combinations. Think of a bed of all colors—white, indigo, violet, lavender, mauve, sky blue, royal purple, bluish, yellow, etc. Your imagination can conceive of nothing grander and they are even more grand and beautiful than your imagination can portray. Once planted in your garden they are a joy for a lifetime, blooming profusely in June and July, double and single mixed. Each 15c, dozen \$1.25.

GERMAN IRIS.—The true "Fleur-de-Lis," the national flower of France; perfectly hardy, grow and bloom luxuriantly, particularly in moist situations. Mixed colors. Each 10c, doz. 85c.

HYPERICUM MOSERIANUM.—One of the very best herbaceous plants of recent introduction. The habit of the plant is free and graceful; it produces long, slender stems, drooping, apparently from the weight of the flowers and buds, although the flowers face so none of their beauty is lost. It is marvelously free flowering, of large size, measuring from 2 to 2½ inches in diameter, in color a rich golden yellow, which is rendered still more effective by numerous yellow stamens and crimson anthers. Blooms continuously the entire season. Each 15c, doz. \$1.50.



BLUE SPIRAEA.

PHLOX SUBLATA.—*Moss Pink.*—One of the finest of low, turf-growing plants, fine for carpeting under trees, around rock work, edging beds, etc. Early in spring is very showy with its cloud of bright, pink blossoms. We do not understand why this is not more widely grown, for it is perfectly hardy, and will care for itself. Each 10c, dozen 50c.

HARDY PERENNIAL PHLOX.—These are among the most useful and desirable of our hardy herbaceous plants, and should be planted largely. They succeed in any position, and can be used to advantage, either as single specimens in the mixed border, or as large clumps or beds in the garden or lawn. Our collection embraces the best new and old varieties mixed. Each 10c, doz. \$1.00.

FRINGED QUEEN PHLOX.—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 35c.



JAPANESE IRIS.

HELIANTHUS MULTIFLORUS PLENUS.—A plant that should be in every garden and one that will give entire satisfaction. The flowers are from 3 to 4 inches in diameter, as double as any Double Dahlia, and cover the plant from the ground to the top. Color a bright golden yellow. It should have a sunny position and rich soil. Each 10c, doz. 75c.

BLUE SPIRAEA.—(*Caryopteris*). A handsome shrubby plant from China which is of easiest culture and hardy if covered with straw or leaves on approach of cold weather. Its color is beautiful, an exquisite shade of azure blue, and flowers luxuriantly in a pot or in the open ground; its blooming period is from mid-summer until heavy frosts, when flowers are scarce and hardly anything is to be had in its color. Grows about 2 feet high and bears clusters of flowers along the stem; adapted for cut flowers. The foliage has a pleasant, spicy odor when bruised. Each 20c.

LILIES.—See descriptive list with bulbs.

HARDY GARDEN PINKS.

Dwarf hardy plants, that will grow anywhere and increase in beauty every year; of a delightful clove-like fragrance; plants are a mass of bloom for a long period.

ABBOTSFORD.—Deep carmine, marbled with white; rich clove fragrance. Each 10c.

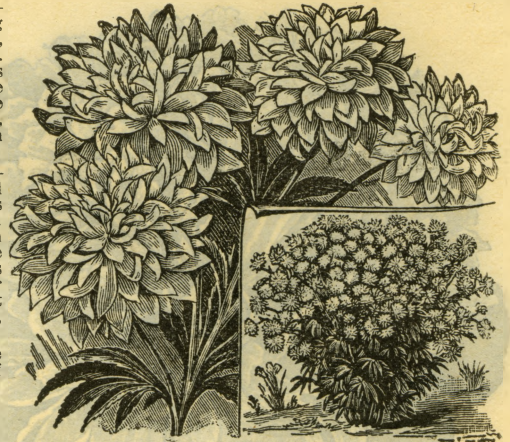
HER MAJESTY.—Flowers are of large size, similar to a carnation, pure white and very fragrant, perfectly hardy and makes a fine border. Each 15c.

MARY GRAY.—Reddish purple, with narrow lacing of white. Each 10c.

LORD LYONS.—Dark maroon, lighter shading. Ea. 10c

VARIABILIS.—White, deep maroon center. Each 15c.

GRUTRUDE.—White with maroon markings. Each 10c.



RUDBECKIA OR GOLDEN GLOW.

RUDBECKIA, GOLDEN GLOW.—A glorious new hardy plant that should hold a place in every garden. It is of fine habit, vigorous growth, with early continuous and immense blooming qualities. It will be found excellent also for cut flower purposes. The stems are long and gracefully poised. The foliage is abundant and ornamental.

It attains a height of from six to eight feet and a small plant set out in the spring will produce hundreds of blossoms during August and September, each one as large as a fair sized chrysanthemum. Thousands of flower lovers have admired this plant on our place. It is of easiest culture and sure to please all. Nice for a screen row at back of lawn. Price 10c, doz. \$1.00.

DAY LILY. White.—Pure white lily-shaped flowers borne in large clusters. This is sometimes quite scarce but we have a good supply this year. Each 15c, doz. \$1.50.

DAY LILY. Blue.—Like above only flowers are of a lovely blue color borne on tall spikes. Each 15c, doz. \$1.25.

DAY LILY. Variegated.—Charming variety with beautifully mottled dark green and pure white leaves, lilac flowers. Each 20c, doz. \$2.00.

DICENTRA SPECTABILIS.—The old Bleeding Heart, the flower of our childhood, which is as lovely to-day as then, though not so common. Bears in early spring long chains of pendulous bloom of exquisite beauty. Each 20c.

DELPHINIUM FORMOSUM. *Hardy Larkspur.*—This is certainly one of the handsomest and most satisfactory of all the hardy herbaceous plants and should be planted extensively, even in the smallest garden; its long spikes of bright blue flowers are produced continually from June until frost. Each 20c, doz. \$1.75.

SAPONARIA.—An old fashioned perennial with pink flowers. Often called *Bouncing Betsey*. Each 10c.



HELIANTHUS MULTIFLORUS PLENUS.

PAEONIES.

Everyone knows the old fashioned red "Piny" of our grandmother's garden, but the specialists of America, Europe and particularly those of Japan, have been at work so that there are now more than one thousand named varieties, many of them of the most curiously beautiful shapes and colors. It is truly a noble flower, rivaling the rose in brilliancy of color and perfection of bloom, while greatly surpassing it in size and stately grandeur. One writer has well said that the "Paony fully equals the rose, except in poetry, perfume, thorns, bugs and disease." They are hardy as an oak requiring no protection even in the severest climate. They are of the easiest culture, most vigorous habit, and free from all disease and insects. The foliage is rich, glossy and ornamental, even when plants are not in bloom. Many of the newer varieties are quite fragrant and no other flower is so well adapted for large showy bouquets, the blooms selling readily in Chicago and other large eastern cities for \$10.00 per 100 and the supply does not equal the demand. We have acres of Paeonies, including a vast number of sorts. We name a few of the most popular and offer the others in mixture. Plant paeonies this year, plant lots of them in rows, beds, or as specimen plants on the lawn. If you have an extensive lawn a large bed of them will make a grand show, surpassing even a bed of Rhododendrons. Set out the roots as early in spring as possible in order to secure a good growth. We have had them bloom, however, even when planted in May and they will each year become stronger and bloom better. They may be left undisturbed for twenty years or more. In planting set the crowns two inches below the surface. They will do well also in partial shade and can therefore be used to brighten up sombre nooks. We prepay the postage.

FESTIVA MAXIMA.—This is by far the finest double white Paeony 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. Color is of the purest snow white with sometimes slight carmine marks in the center. Usually sells at \$1.00 each, but we offer it at only 75c, doz. \$8.00.

POTTSL.—Finest dark crimson sort, the color being very rich and showy. Flowers usually very double, although a few are semi-double. Should be in every collection. Each 35c, doz. \$3.50.

VICTORIA TRICOLOR.—Very large full flower, outer petals pale rose mottled with pink; center yellowish white. Each 25c, doz. \$2.50.

ROSE FRAGRANS.—A very desirable sort, with large flowers of rich, dark, rose color and exquisite fragrance. Blooms late in season. One of the very best varieties for general culture; always satisfactory. Each 25c, doz. \$2.50.

LA ESPERANCE.—An exceedingly fine vivid rose colored flower, growing compact and highly perfumed. Early and fine flowering. Each 35c, doz. \$3.50.

ANDRE LAURIES.—A very double flower of deep bright red. Bloom till late in season. Each 25c, doz. \$2.50.

GRANDIFLORA RUBRA.—Extra large perfect balls of 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 35c, doz. \$3.50.

DOUBLE WHITE.—Large size double flowers which appear to be pure white on the bush, but when placed beside Festiva Maxima show a creamy tint. It is about as pure white, however, as any other double white and is a free bloomer. Each 40c, doz. \$4.00.

RUBRA TRIUMPHANS.—An early blooming, very sweet scented flower of rich, brilliant, glowing, satiny, crimson color. Each 25c, doz. \$2.50.

MISSOURI WHITE.—A handsome variety. On our grounds the outer row of petals are tinged with light pink, and the center ones are creamy white. Each 35c, doz. \$3.50.



FESTIVA MAXIMA PÆONY.

PINK MONARCH.—One of the best tall growing sorts. Flower light pink, handsomely variegated with carmine pink. Each 25c, doz. \$2.50.

MEDIUM PINK.—A fine large flower of handsome bright pink color. Blooms freely. Each 25c, doz. \$2.50.

FINEST 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 20c each, \$2.00 per doz., \$12.50 per 100, charges prepaid. Why not put in a large bed, or border your drive with them?

COMMON MIXED.—Mainly composed of pink varieties. Each 15c, doz. \$1.50, per 100 \$10.00, or if sent at purchaser's expense, \$7.50 per 100.

ANTHEMIS.

GOLDEN MARGUERITE.—A fine yellow-flowered perennial. It is a continuous bloomer the entire summer, withstanding both wet and dry weather. The flowers are of the exact form of a daisy, but clear yellow. Each 15c.

EULALIA ZEBRINA.

A stately ornamental grass for the lawn or hardy border. The variegated foliage is evenly striped cross-wise, with broad bands of golden yellow; perfectly hardy; often produces 50 to 100 beautiful large plumes. Each 25c.



ROSE FRAGRANS PÆONY.

VIOLETS.

Of all delightful perfumes that of Violets is the most delicate and pleasant and places the 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. Should be well covered to protect in winter.

SWANLEY WHITE.—Unquestionably the finest double variety in existence, and they are a decided acquisition. The 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, doz. \$1.00.

MARIE LOUISE.—To contrast with the white we offer this, the finest double blue violet grown. Color deep violet blue, very fragrant, continual bloomer. It is of easy growth. Each 10c, doz. \$1.00.

CALIFORNIA.—Grand new single variety. A sturdy grower, dense, heavy foliage, free from disease. Flowers fragrant, a clear, unfading, violet purple. Flowers large and borne on stems ten to twelve inches long, Hardest of all. Each 10c, doz. \$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. One of the most beautiful and most free flowering Violets. Each 15c, doz. \$1.25.

YUCCA.

FILAMENTOSA—(Adam's Needle.)—A tropical looking plant with long, narrow leaves that remain green the entire year. It grows in clumps and throws up a flower stalk from three to four feet in height, from which hang from 100 to 300 creamy white, bell-shaped flowers. It blooms a long time. Strong 2-year plants; each 20c, doz. \$1.75.

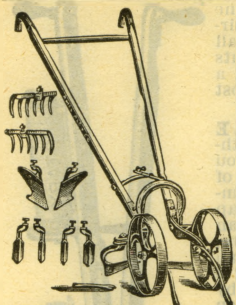


SWANLEY WHITE VIOLET.



YUCCA FILAMENTOSA.

TOOLS AND IMPLEMENTS.



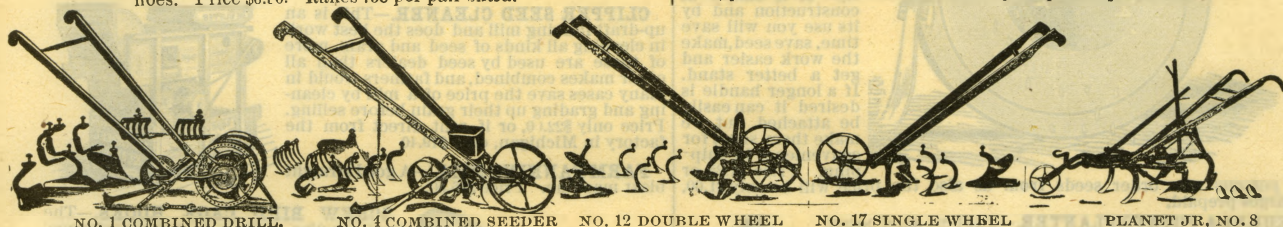
UNIVERSAL DOUBLE
WHEEL HOE.

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 plants become large. The adjustable arch not only forms a means for gauging the depth of work to be performed, but, by an ingenious device enables the teeth to be pitched at any angle desired. This is especially advantageous for the hoe attachments, which are by far the most used of all. It is thoroughly well made and does all kinds of small cultivating to perfection. Price only \$5.00.

UNIVERSAL DOUBLE WHEEL HOE—Plain.—The above tool with only one pair of hoe blades for \$3.25.

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 the new No. 17 will doubtless be very popular. If desired, the rakes and other attachments can be added later to make a complete tool. Price only \$4.50.

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 the plants are eighteen inches high, then the wheels can be set close together and work between the rows. It will do the work of six men with ordinary hand hoes. Price \$6.00. Rakes 75c per pair extra.



NO. 1 COMBINED DRILL.

NO. 4 COMBINED SEEDER
AND CULTIVATOR.

NO. 12 DOUBLE WHEEL
HOE.

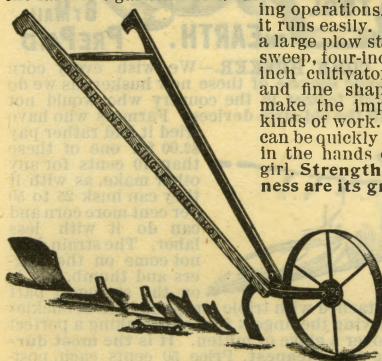
NO. 17 SINGLE WHEEL
HOE.

PLANET JR. NO. 8
HORSE HOE.

PLANET JR. NO. 8 HORSE HOE.—Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to stand incredible strain, yet it is light and easy to handle. The No. 8 combines all the latest improvements, levers adjusting it in width and regulating the depth. Ask for circular giving full description. Price \$8.00.

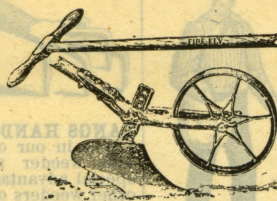
M'GEE GARDEN CULTIVATOR or SPRING HOE. Has two wheels connected by an arch attached to frames by a lateral spring, enabling the user to almost "finger weed" the crop, as the machine is under such complete control. Onion growers claim that this is the best cultivator for onions. With each tool there is a pair of knives that operate as hoes, and a pair of cultivators. Price \$4.50.

FARMERS' SINGLE WHEEL HOE.—This is made by the manufacturers of the celebrated Planet Jr. tools and is specially designed for the farmer's garden work. It is a cheap and effective tool for all gardening operations. The wheel is high so that it runs easily. The attachments consist of a large plow steel, a 10-inch sweep, six-inch sweep, four-inch cultivator tooth and two-inch cultivator tooth. The great variety and fine shape and quality of the tools make the implement valuable for many kinds of work. It is strong, well made and can be quickly set so as to be useful whether in the hands of a man or woman, boy or girl. **Strength, variety of tools and cheapness are its great virtues.** Price \$3.75.



FARMERS' SINGLE WHEEL HOE.

MEEKER SMOOTHING HARROW.—A perfect harrow and a perfect land roller combined. This harrow has become a great favorite among all classes of farmers and market gardeners in all parts of the country. It has two sets (four) of rollers containing 58 steel disks. These disks grind all lumps, leaving the land smooth and level. The disks of one roller work between those of the other, preventing clogging in damp soil. Size 6 ft. 8 in. by 6 ft. Price \$25.00.

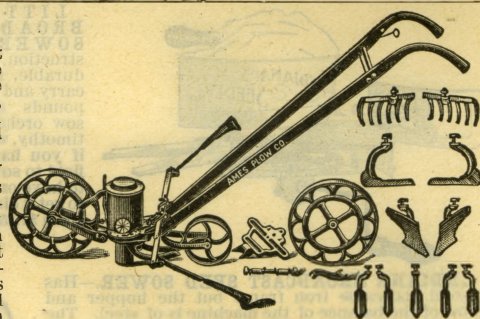


FIREFLY HAND PLOW.

season. The moldboard is tempered and polished steel. Price only \$2.25.

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 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles 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 \$5.35.

PLANET JR. TWELVE-TOOTH HARROW.—For fine cultivation either deep or shallow, this has no equal. The recurved throat and high frame prevent clogging, and the reverse position is given to the teeth in a very short time by changing a single bolt in each. It is provided with a pulverizer which leaves the ground in fine condition. Price \$8.00, or without pulverizer \$6.40.



MATTHEWS' NEW UNIVERSAL CONSTELLATION
DRILL AND CULTIVATOR.

MATTHEWS' NEW 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 seed. It has a patent indicator bearing the names of different kinds of seeds, and conveniently located. Has the improved marker, and all late improvements. The single wheel seeder is considered by many to be superior to any double wheel drill. Price \$6.25.

PLANET JR. NO. 4, COMBINED SEEDER AND CULTIVATOR.—This latest improved tool is giving good satisfaction and it has many good points. It will drop the seed either in a continuous row or in hills 6, 9, 12, 18 and 36 inches apart. The drill is easily detached and the tool frame substituted. Has all the attachments shown in cut, except the rakes. Price \$10.00. Set of three rakes, if desired, \$1.00 extra. Price for plain drill, without cultivating attachments, \$3.00.

PLANET JR. NO. 1 COMBINED DRILL AND CULTIVATOR.—This is the most popular tool we have ever sold. As a plow it opens furrows, covers them, hills, plows to and from, etc. As a hoe, it works safely to and from both sides of the row at once, or between rows. As a cultivator it is admirably adapted to deep mellowing of the soil. It sows all garden seed accurately at the desired depth. Each machine is sent out with the tools shown in the cut, except the rakes. Price \$9.00. Pair of rakes for same 50c extra.

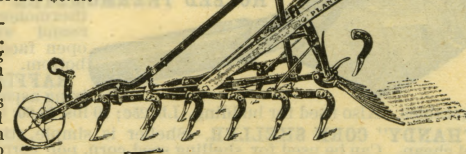
SPECIAL PRICES.—If you want any of these tools and also some seed, please send list and let us make you special quotations.

PLANET JR. NO. 3 SEED DRILL.—We regard this drill as the acme of perfection, and most decidedly the best seed sower made. It will sow perfectly, either in a continuous row or drop the seed in hills, either 4, 6, 8, 12 or 24 inches apart. It opens the furrow, drops in hills or drills, covers, rolls down and marks the next row all at one operation. It has a force feed, sows equally well whether the hopper is full or contains only a paper of seed. Price \$10.00.

FIRE FLY PLOW.—This is one of the nicest little tools imaginable. With it you can plow the ground, even if hard, by attaching ropes to the eyelet holes on each side of the wheel. It makes the care of the vegetable garden a pleasure. Will both plow the garden and attend to the cultivating and weeding throughout the

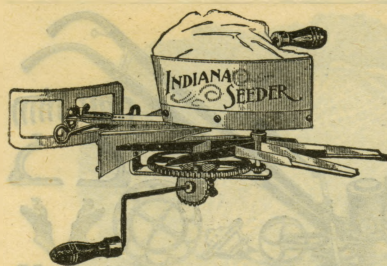
PLANET JR. NO. 16 SINGLE WHEEL HOE.—This latest and best single wheel hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles 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 \$5.35.

PLANET JR. TWELVE-TOOTH HARROW.—For fine cultivation either deep or shallow, this has no equal. The recurved throat and high frame prevent clogging, and the reverse position is given to the teeth in a very short time by changing a single bolt in each. It is provided with a pulverizer which leaves the ground in fine condition. Price \$8.00, or without pulverizer \$6.40.



PLANET JR. TWELVE HARROW AND PULVERIZER.

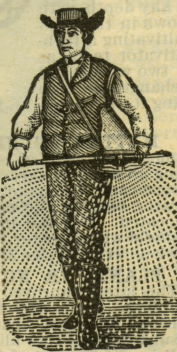
SPECIAL PRICES MADE ON PLANET JR. TOOLS WHEN ORDERED WITH A BILL OF SEEDS.



INDIANA BROADCAST SEED SOWER.—Has a solid malleable iron frame but the hopper and most of the balance of the machine is 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 the quantity of seed sown. A special feature of this machine, different from all others, is that the crank can be used either on the right or left side. It is therefore the only seeder that we know of that a left-handed operator can use with ease. It weighs only $3\frac{1}{2}$ 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.

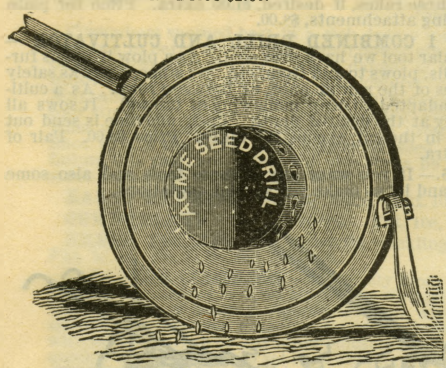
IOWA BROADCAST SOWER OR GEARED LITTLE GIANT.—An improvement on the Little Giant in that it retains its valuable characteristics, but instead of working with a fiddle bow, it is operated with a crank. Price \$2.00.

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 have only a small field to sow, it will pay you to have one of these so as to get it distributed evenly. Each \$1.25.



LITTLE GIANT.

ACME SEED DRILL.—A nice little machine which has been tested in all parts of the U. S. It will sow beet, cabbage, carrot, celery, lettuce, radish, turnip and all such seeds with perfect regularity. It is simple in construction and by its use you will save time, save seed, make the work easier and get a better stand. If a longer handle is desired it can easily be attached, but we make them short for convenience in shipping. Price \$1.25 and up.



To persons who order seeds from us also, the price will be only \$1.00, charges prepaid.

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 illustration. You will be pleased with this planter, as it is giving complete satisfaction wherever introduced. Price \$1.25.

GARDEN TOOLS.—We have a great variety of ordinary and new shapes of hoes, rakes, lawn rakes, spades and all kinds of garden tools at reasonable prices.

GARDEN TROWELS.—5 inch 10c, by mail 15c; 6 inch 15c, by mail 20c.

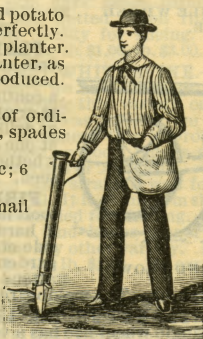
FLORIST TROWELS.—Extra heavy 40c, by mail 50c.

TREE LABELS.— $3\frac{1}{2}$ in., notched, 50c per 1,000.

POT LABELS.—4 inch, pointed, 60c per 1,000.

DIBBER.—Steel pointed, for transplanting vegetable plants. Each 30c, by mail 40 cents.

WATER'S TREE PRUNER.—The standard make; with 6 ft. pole, 85c; 8 ft. \$1.00; 10 ft. \$1.20.



EUREKA POTATO PLANTER

IMPROVED HAND PRUNING SHEARS.—The best hand shears on the market. Made specially for pruning berry or rose bushes, grapevines, etc. Made of best steel, 8 in. long, spiral spring. Price 75c, postpaid 90c.

CONNECTICUT PRUNING SHEARS.—A good tool for most work. Steel blades, flat spring, malleable handles. Price 50c, postpaid 65c.

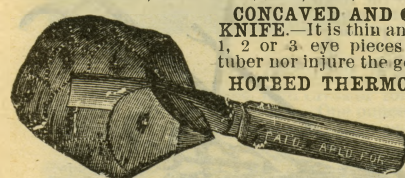
WILKINSON'S HEDGE SHEARS.—The best hedge trimmer that we know of. Prices, 10 in. blade, \$3.10; 12 in. blade, \$4.00 per pair.

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 germs. Each 35c, postpaid.

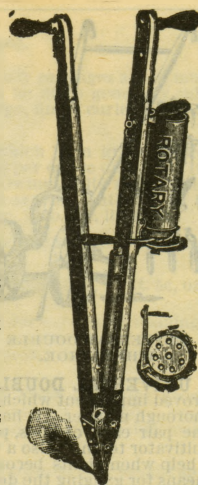
HOTBED THERMOMETER.—A tested 10 in. thermometer, incased in a round wood tube with open face, pointed brass bottom. Each \$1.00.

RAFFIA.—Excellent for tying asparagus and other vegetables. Also used for budding, lb. 25c; 10 lbs. \$2.00; by mail, lb. 45c.

"HANDY" CORN SHELLER.—Sheller is simple, strong, convenient and cheap. Can be used for shelling seed corn, pop corn, corn for chickens, etc. Weight 15 lbs. Price \$1.75.



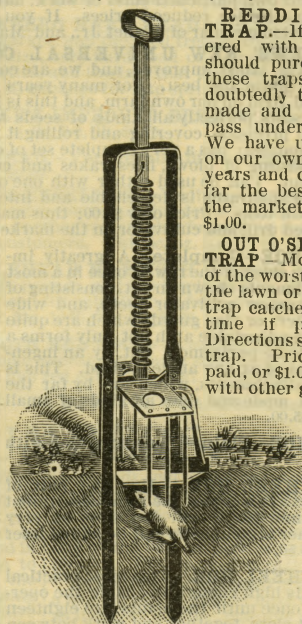
ROTARY CORN PLANTER.—Decidedly the best hand corn planter made, and a very desirable implement for those who have but a small field, or need to replant their ground. It puts the corn exactly where you want it and at a proper depth. It is easily worked and a most satisfactory tool in every way. Price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



ROTARY PLANTER.

REDDICK MOLE TRAP.—If you are bothered with moles you should purchase one of these traps. It is undoubtedly the best trap made and no mole can pass under it and live. We have used this trap on our own place for 3 years and consider it by far the best pattern on the market. Price only \$1.00.

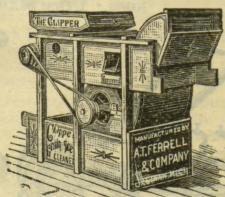
OUT O'SIGHT MOLE TRAP.—Moles are one of the worst nuisances in the lawn or garden. This trap catches them every time if properly set. Directions sent with each trap. Price \$1.25 postpaid, or \$1.00 if by freight with other goods.



REDDICK MOLE TRAP.

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 in many cases save the price of a mill by cleaning and grading up their grain before selling. Price only \$22.00, or if sent direct from the factory in Michigan, only \$19.40.

FARM FANNING MILL.—A good straight blast machine. Price \$16.00.



SCREW BIRD CAGE HOOKS.—The most popular style as it is inconspicuous, neat, cheap and makes only one hole in casing. Nice for bird cages or hanging baskets. Each 5c, postpaid 12c.

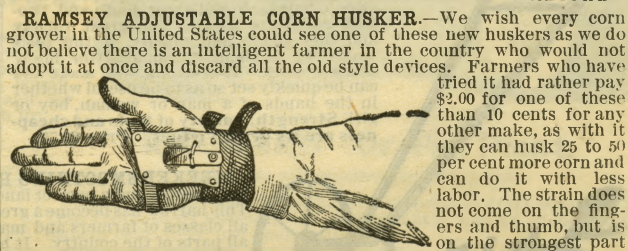
EXCELSIOR WEEDING HOOK.—Can be used to great advantage among small and tender plants. Price 10c, doz. \$1.10 or postpaid for 20c each.

LANGS HAND WEEDER

—It is in our opinion 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 to the hand for pulling weeds and thinning out plants without laying down the tool. Price 25c. \$2.50 per dozen, or 30c each postpaid.

LANG'S HAND WEEDER

HANDIEST TOOL ON EARTH. 30c By Mail PrePaid



RAMSEY ADJUSTABLE CORN HUSKER.—We wish every corn grower in the United States could see one of these new huskers as we do not believe there is an intelligent farmer in the country who would not adopt it at once and discard all the old style devices. Farmers who have tried it had rather pay \$2.00 for one of these than 10 cents for any other make, as 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. Can be worn over a glove or mitten. It is the most durable husker made, therefore the cheapest. Price 50 cents each, postpaid; 6 for \$2.50.

A HAND SEEDER WILL SOON PAY FOR ITSELF; GET ONE NOW.

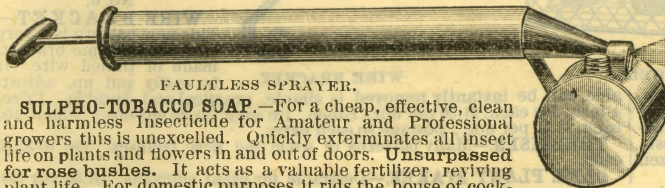
SPRAYERS AND INSECTICIDES.



DAISY SPRAYING PUMP.

reservoir is made of the best brass with the capacity of any other atomizer that we know of, thoroughly covering a very wide space at each action of the handle, and the spray is so fine that it thoroughly covers both under and upper side of the leaves, and everywhere that insects can find lodgment. The spray is so fine that one quart of liquid will spray 1,000 hills of potatoes. Invaluable for spraying plums, grapes, currants, melons and all other fruit and vegetable plants. We consider it fully equal to the more expensive machines for this purpose which are sold at \$12.00 to \$15.00 each. Price only \$1.00, postage 25c.

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.



FAULTLESS SPRAYER.

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. It acts as a valuable fertilizer, reviving plant life. For domestic purposes it rids the house of cockroaches, and is a superior wash for dogs and all animals. Prevents poultry lice. You cannot afford to be without this well-known insecticide, if you desire to be successful in plant culture. A trial will give highly gratifying results. 3-oz. Cake, sufficient for 1½ gallons prepared solution, 10c, mailed postpaid 13c. 8-oz. Cake, sufficient for 4 gallons prepared solution, 20c, mailed postpaid 28c.

HAMMOND'S SLUG SHOT.—A combination of the most potent insecticides and soluble plant foods. It destroys all insects injurious to house and garden plants, shrubs, trees, vines, potatoes, melons, cabbages, currants and vegetables and fruit of all kinds. This preparation, though poisonous to insects, does not injure the foliage in the least. When you order your seed, if you have not tried Hammond's Slug Shot, order a 5 or 10 lb. pkg. Not prepaid, 5 lbs. 30c, 10 lbs. 60c. 25 lbs. or more at 5c per lb.: postpaid 1 lb. 25c, 4 lbs. 95c.

DUSTERS.—For Hammond's Slug Shot, each 35 cts.

BELLOWS.—Useful for applying Slug Shot or any kind of insect powder. It is thoroughly well made and works well. Length 23 inches. Holds 6 ounces of powder. Price \$1.00. Postage, if sent by mail, 30 cents extra.



STAR INSECT POWDER GUN. Handy size for house use, to blow powder in cracks and crevices. 10c each; postpaid 13 cts.

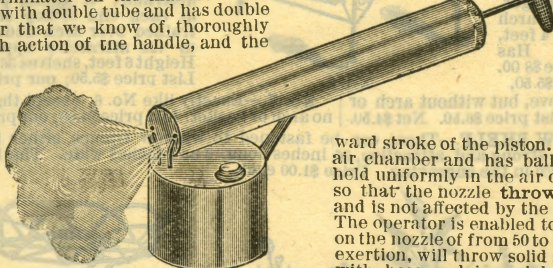
Each year proves the importance of spraying fruit trees and plants in order to destroy the insects and secure a good crop of fruit. The largest and most successful fruit growers are the most enthusiastic on spraying. It will pay you to invest in spraying apparatus if you have only one fruit tree. The 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.—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.

RIPLEY'S COMPRESSED AIR SPRAYER.—After careful examination and test of a number of Compressed Air Sprayers we have decided to offer the Ripley, having been convinced that it is the best constructed and most durable of any on the market. Compressed Sprayers are coming rapidly into use and are the most satisfactory for ordinary work, especially for plants of all kinds and trees that are not more than 25 feet high. 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 sprayer made. It is made to strap to body 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 solutions..... 7.00

LIGHTNING ATOMIZER NO. 2.—Decidedly the best insect exterminator on the market. The



LIGHTNING ATOMIZER NO. 2.

THE LITTLE GIANT BUCKET SPRAY PUMP

—This pump is constructed entirely of brass and is not affected by the poisonous arsenites used in different formulas for spraying fruit trees, vines and shrubbery. So arranged that the labor of pumping is all done on the downward stroke of the piston. Is provided with a large air chamber and has ball valves. The pressure is held uniformly in the air chamber and on the hose, so that the nozzle throws a continuous spray and is not affected by the movement of the plunger. The operator is enabled to keep a constant pressure on the nozzle of from 50 to 100 lbs, with very ordinary exertion, will throw solid stream 10 to 6 feet; fitted with hose and imperial combination fine, coarse spray and solid stream nozzle and malleable foot rest. Price \$3.75, with 8 foot pipe extension, \$4.25.

LEVER BUCKET OR BARREL SPRAY PUMP. Similar to the Little Giant, but has lever handle and can be attached to barrel or used as bucket pump. Price \$4.75, with 8 foot extension pipe, \$5.25.

LIGHTNING SPRAYING PUMP.

—We have been trying for two years past to secure a low priced, serviceable bucket spraying pump that will give satisfactory results. We now offer the Lightning Spraying Pump, believing it will fill the demands of our customers. It is made of heavy galvanized iron, furnished with nozzle for throwing either a stream or a spray, and is well made throughout. Each \$1.90.

TOBACCO DUST.—Destroys rose bugs, lice, cutworms, vine bugs, tomato worms, currant 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; makes healthy, vigorous growth. Price, lb. 10c, 5 lbs. 25c; 16c per lb. extra if by mail.

BRASS SYRINGES.—Used by florist, \$3.00 each.

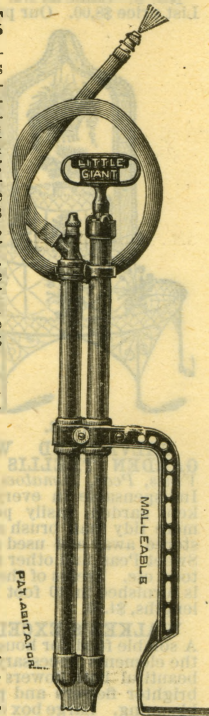
DALMATIAN INSECT POWDER.—The best grade, fresh and nice. It does not pay to use the cheap ordinary grades. Lb. 40c, 5 lbs. or more at 35c; postage 16c per lb. extra.

ANT EXTERMINATOR.—A non-poisonous powder which, when sprinkled around, will kill or drive away ants from lawns, trees, houses, etc. Price 25c, by mail 30c; large pkg. 50c, by mail 60c.

SPRAGUE'S FLY BOUNCER.—It instantly drives away flies, mosquitoes and all other insect pests. It is a relief to cows, horses, etc. Stock of any kind sprayed with Fly Bouncer will not be troubled with insects while feeding. It is excellent for barbed wire cuts and other injuries. It prevents inflammation and causes wounds to heal rapidly. Can be economically used by using our Faultless Sprayer. Price, ½ gal. can \$1.00, 1 gal. can \$1.50, 5 gal. can \$7.00.



RIPLEY'S COMPRESSED AIR SPRAYER.



LITTLE GIANT PUMP.

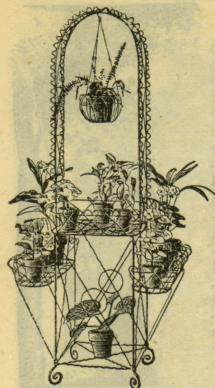
Sprague's FLY BOUNCER

DRIVES AWAY
FLIES, MOSQUITOES
AND INSECTS.

**GUARANTEED TO
DO THE WORK
OR MONEY
REFUNDED.**

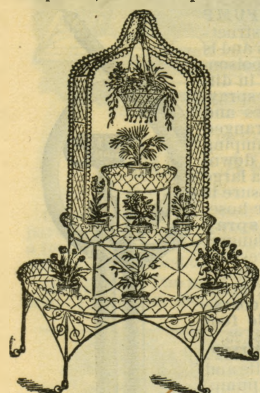
SAFE, SURE AND CHEAP. Goes Farthest, Lasts Longest.

WIRE PLANT STANDS.



NO. 27.

NO. 9.—Same as No. 8, with arch and basket added. List price \$8.00. Our price only \$5.50.



NO. 3.

GALVANIZED WIRE GARDEN TRELLIS.—For Vines, Peas, Tomatoes, etc.—Indispensable in every well-kept garden, easily put up, more tidy than brush and practically indestructible. Can be rolled up, stored away and used again year after year. The best trellis made for Sweet Peas and other flowering vines, as well as for garden peas, tomatoes, etc. Trellis of the best galvanized netting, 4 feet wide, 2 inch mesh, is furnished in 10 foot lengths. Price, per 10 ft. length, 40c, per dozen lengths, \$4.00.

WALKER'S EXCELSIOR PLANT FOOD.—A soluble food for house plants containing all the elements necessary to nourish and make beautiful both flowers and plants. It makes brighter flowers and prolongs the period of blooming. Large box containing sufficient for 25 plants one year 25c, or postpaid 40c; small pkg. 15c, postpaid 25c.

JAPANESE PALM FOOD.—A chemically prepared fertilizer that will make healthy plants and beautiful foliage. Odorless, soluble and readily assimilated. Endorsed by all plant lovers who have used it. Excellent for Palms, Ferns, Rubber Plants, etc. Price 25c, postpaid 45c.

BOWKER'S AMMONIATED FOOD FOR FLOWERS.—A fertilizer made especially for plants grown in the house, garden or conservatory; clean, free from offensive odor and is largely soluble in water, producing healthy plants and early and abundant blossoms, to which it imparts a rich and brilliant color. It starts plants at once into a vigorous and healthy growth, drives insects and worms from the soil. Large box containing sufficient for 20 plants for one year 25c, or postpaid 40c; small pkg. 15c, postpaid 25c.

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, hanging baskets, and vases at extremely low prices. A nice plant is deserving of one.



NO. 8.

NO. 4.—Like above, but without arch or hanging basket. List price \$6.50. Net \$4.50. NO. 7.—Exactly like No. 6, except that it has no arch or basket. List price \$4.00; our price \$3.00.

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 WINDOW SHELF.

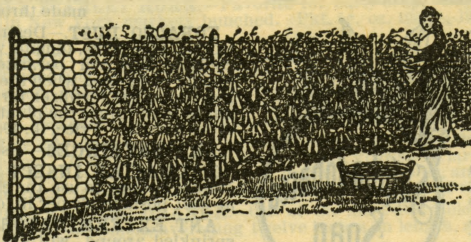


WIRE BRACKET.

able, 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 each extra.

TRELLISES.—Many patterns of wood and wire trellises. 15c to \$2.00 each.

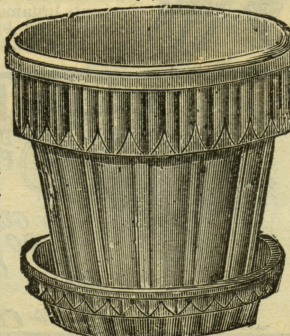
CANE PLANT STAKES.—Desirable for plant supports. \$1.00 per 100.



SPRINKLING CANS.—We carry a complete stock of same. We list two styles, one ordinary tin, the other galvanized. These prices include packing, ready for shipment. Purchaser to pay express charges.

CAPACITY.	TIN.	GALVANIZED.
2 quart, price each....	\$.25	\$ —
4 " " " " " " " "	.30	.50
6 " " " " " " " "	.40	.80
8 " " " " " " " "	.50	.70
10 " " " " " " " "	.60	.80
12 " " " " " " " "	.70	1.60
16 " " " " " " " "	—	—

LAWN AND GARDEN FERTILIZER.—A plant food which is a very desirable and beneficial fertilizer for garden use, as well as for lawns. It is highly concentrated, and should also be used for flower beds. 10 lbs. 60c, 25 lbs. \$1.00, 50 lbs. \$1.85, 100 lbs. \$3.50, by freight or express.

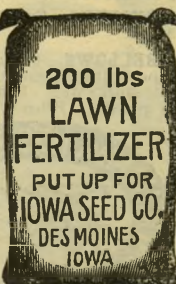


A NICE LAWN

Adds greatly to the value of any place. It is easily, quickly and cheaply made by using our

Lawn Grass Seed

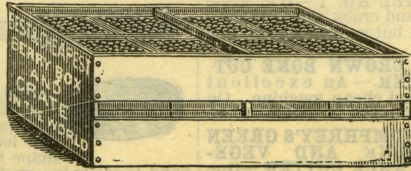
described on another page. Ask for special circular.



A NICE LAWN IS EASILY SECURED BY USING OUR MIXED GRASS SEED.

FRUIT PACKAGES.

BEING the oldest as well as the largest dealers 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.



BERRY BOXES.

Made of the best white wood (poplar) heart stock, cut smoothly, and perfect shape; size $4\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{1}{2}$, and will hold a wine measure quart. The bottom is set up for ventilation. They are usually put up in bundles of 500 boxes complete for shipment and are all ready for putting together, which can be done very rapidly. We furnish 500 at the 1,000 rate; broken bundles at the 100 rate. Price per 100 35c; 1,000 \$2.75. If a large lot is wanted ask for prices.

ANNEALED TACKS.—Made of the 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 lb. 25c, 5 lbs. \$1.00, 10 lbs. \$1.75.

FORMS.—Of just the right size to make the boxes on and covered with an iron plate to clinch the tacks. The bottom of box is always set up the proper distance by using this form. Price 25c.

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. 16-qt. crates per 10 85c, per 100 \$7.00; 24-qt. crates per 10 \$1.00, per 100 \$8.00.

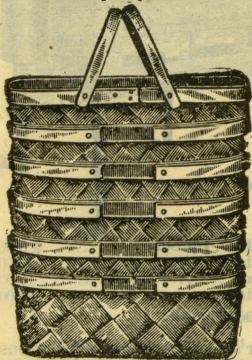
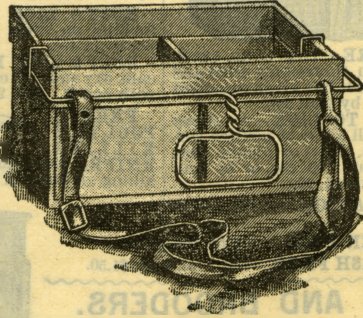
CRATE NAILS.—Of barbed wire and far superior to any other. 12 lbs. (will make 100 crates) for \$1.00.

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 for \$25.00.

STAPLING WIRE.—To use with the above machine for making boxes. Per lb. 15c, per coil of 12 lbs. \$1.00. Five coils or more at 85c per coil.

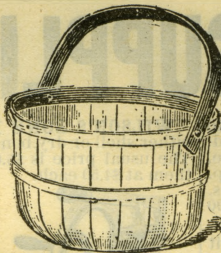
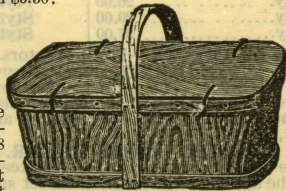
MAGNETIC TACK HAMMER.—Picks up the tacks and saves much of the labor. Each 12c.

WARREN'S BERRY PICKING CRATE.—A device which has been tested by practical fruit growers for the past few years and found very useful. As will be seen it is a crate holding two berry boxes, which is attached by a belt to the waist. It enables the berry picker to make use of both hands in picking and it pays for itself in half a day's time. Price 25c each; \$2.50 per dozen; or 50c each postpaid.



CLIMAX GRAPE BASKET.—The best package for shipping grapes, cherries, plums, etc. It is the standard 8 lb. 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 40c, 25 for 80c, 100 for \$2.75, 1,000 for \$26.00. Ask for prices in large lots.

SMALL CLIMAX GRAPE BASKET.—For fancy grapes, etc. Holds about 4 lbs. 40c for 10, 90c for 25c, \$3.00 per 100.

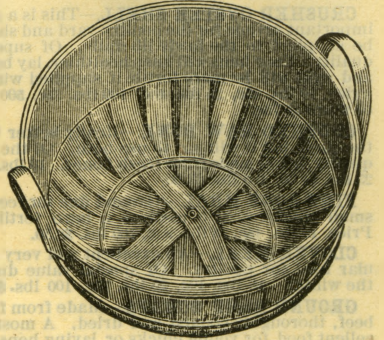


HALF-BUSHEL BASKET.—This is the best all-around basket for the use of farmers, fruit growers and grocers that we know of. It is very strong and well made, smooth inside, so that it does not bruise or scratch the fruit. It is particularly adapted to picking fruit, potatoes, tomatoes and other vegetables. The swinging bale makes it easily handled. Made with wide band inside. Price 15c each, \$1.50 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. \$2.40.

NO. 1—1½ BUSHEL BASKET.—Like above, except larger, holding one and one-half bushels. Each 30 cts., dozen \$2.80.

NO. 2—ONE BUSHEL BASKET.—Like the No. 1, but with only twenty staves and only two narrow hoops on the inside. It is, however, well made and makes one of the best packages imaginable for shipping apples and nearly all kinds of fruit and vegetables and other merchandise, being better, cheaper and more easily handled than a box. The use of these baskets is revolutionizing the shipping trade as they are so much more convenient for the express and railroad companies to handle. Notice the covers listed below. Each 15c, dozen \$1.25.



NO. 2—1½ BUSHEL BASKET.—Like above, but larger. Each 20c, dozen \$2.00.

STAVE BASKET COVERS.—Made of slats for covering the baskets in shipping; make a secure cover. Price for one bushel size 45c per doz., 1½ bushel size 60c per doz.

IRON MEASURES.—Made of heavy galvanized iron with side handles. Peck size each 35c, half-bushel each 45c, one bushel each 65c.

WOOD MEASURES.—Iron bound, to make them stronger. Half-peck each 20c, peck 25c.

VALUABLE BOOKS.

It will pay you to read some of the following books which are sent postpaid on receipt of price.

Fruit Harvesting, Storing and Marketing.—By F. A. Waugh. 250 pages. Price \$1.00.

Henderson's Gardening for Profit.—New edition, By Peter Henderson. Price \$1.50.

Onions: How to Raise Them Profitably.—Being the practical details by seventeen practical onion growers. Price 20c.

The A B C of Potato Culture.—By T. B. Terry. Price 40c.

Tomato Culture.—By A. I. Root. 135 pages. Price 35c.

Celery for Profit.—A new book by T. Greiner. Price 20c.

Vegetable Gardening.—By S. B. Green. A most practical book which is thoroughly up-to-date. Every market gardener should have a copy. 220 pages. Price \$1.25.

Cabbage, Cauliflower and Allied Vegetables.—By C. L. Allen. Price (cloth) 50c.

New Onion Culture.—How to produce big crops by the new system By T. Greiner. Price 50c.

Asparagus Culture.—A quite complete book. Price 50c.

Fitz's Sweet Potato Culture.—Cloth. Price 60c.

E. P. Roe's Play and Profit in My Garden.—Price \$1.00.

Henderson's Practical Floriculture.—New edition. Price \$1.50.

Fuller's Grape Culturist.—By A. S. Fuller. Price \$1.50.

Fuller's Small Fruit Culturist.—Price \$1.50.

Clover Farming.—Complete book on Clover. By Henry Wallace. 35c.

Uncle Henry's Letters to Farm Boys.—Farmers should present a copy of this book to their boys to help fit them for life. Price 35c.

Canning and Preserving.—By Mrs. S. T. Rorer. Price 40c.

Feathered Pets.—By Chas. N. Page. A most complete new book on Canaries, Parrots and 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 bound 75c.

Aquaria.—By Chas. N. Page. A 64-page book on the care of Gold Fish, Aquariums, breeding fish profitably, etc. Cloth 50c, paper 15c.

Practical Poultry Keeper.—A very popular little book. Price 10c.

Low Cost Poultry Houses.—Plans and specifications. Price 25c.

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.

How to Grow Mushrooms.—Price 10c.

Broomcorn and Broom Making.—Price 50c.

Profitable Poultry Farming.—By Boyer. Price 25c.

A Living from Poultry.—By Boyer. Price 25c.

Money in Hens.—By Boyer. Price 25c.

Reliable Poultry Remedies.—Price 25c.

CUT FLOWERS. Owing to the fluctuation in the value of cut flowers at various seasons of the year, it is impossible to give a list of prices in this catalogue, but we will quote lowest prices on any list of flowers desired, by mail. Roses vary from \$1.00 to \$4.00 per dozen, and Carnations from 25c to \$1.00 per dozen. They are always much higher at Christmas and Easter than at any other time.

BOUQUETS OF FLOWERS.—\$1.00 to \$5.00 each.

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

FLORAL BASKETS.—Tastefully filled at \$1.00 to \$15.00 each.

WEDDING EMBLEMS AND FUNERAL DESIGNS.—A great number of styles at \$1.50 to \$25.00 each.

TERMS on Cut Flowers are strictly cash with order. We do not care to ship C. O. D. Have bank telegraph for you if time is limited.

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 charges to be paid by purchaser except where noted.

MICA CRYSTAL GRIT.—This has proved to be the best on the market. It is hard, sharp, and instead of grinding smooth like an ordinary stone, it breaks off in such a way that it stays sharp. It is unequalled for poultry, pigeons and turkeys. Price, 10 lbs. 25c. 25 lbs. 40c. 100 lbs. \$1.00, 500 lbs. or more @ 85c per 100 lbs.

MICA CRYSTAL CHICK GRIT.—A small grit made especially for young chicks. Everyone raising chickens should have a good supply. 10 lbs. 25c. 25 lbs. 40c. 100 lbs. \$1.00.

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, 10 lbs. 25c. 25 lbs. 40c. 100 lbs. 85c. 500 lbs. or more @ 75c.

CRUSHED RAW BONE.—Really better than the shell, but it will pay to use both. Of the best quality, being made from fresh bones. 10 lbs. 50c. 25 lbs. \$1.00, 100 lbs. \$3.00.

FINE BONE MEAL.—Ground fine for feeding small chickens, also used as a lawn fertilizer. Price, 10 lbs. 45c. 25 lbs. 8c. 100 lbs. \$2.50.

CLOVER MEAL.—An excellent and very popular food for poultry. Of special value during the winter. 10 lbs. 40c. 25 lbs. 75c. 100 lbs. \$2.10.

GROUND BEEF SCRAPS.—Made from fresh beef, thoroughly cooked and dried. A most excellent food for young chicks or laying hens. 10 lbs. 5c. 25 lbs. \$1.00, 100 lbs. \$3.50.

MIXED CHICKEN FEED.—A mixture of many kinds of grains, seeds, etc., making it very desirable for poultry. 25 lbs. 40c. 100 lbs. \$1.40. Ask for price in quantity.



PHILADELPHIA
POULTRY MARKER.

PHILADELPHIA POULTRY MARKER.—This is a convenient little spring punch, as shown in the cut, 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 track. 25c each postpaid.

HALL'S GUARANTEED ROUP CURE.—It is claimed that it will positively cure Roup in all its forms, when given a fair trial. Guaranteed to cure or money refunded. Small size 25c, large size 5c, postpaid.

HALL'S AIR CELL EGG MODEL.—Valuable when testing eggs in incubation. No one operating an incubator should be without one. 50c, postpaid.

SPONGIA TABLETS. For Roup. Dozen 10c, 4 dozen for 25c, postpaid.

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 5 lb. pkg. 60c. 26 oz. pkg. 25c, postpaid 55c. Trial size 1c, postpaid, 19c.

CHAMBERLAIN'S PERFECT CHICK FOOD. The best food for young chicks. If you desire to have healthy chickens send at once for a trial sack. Recommended by all poultrymen who have fed it. Price, per 10 lbs. \$2.50, 50 lbs. \$11.0, 25 lbs. \$1.00c, 10 lbs. 50c.

POULTRY WIRE NETTING.—The best made, thoroughly galvanized to prevent rusting, properly twisted.

Made of No 19 wire and 2-inch mesh; put up in rolls of 150 feet in length.				One inch mesh. No. 20 wire for young chicks and Belgian Hares.			
width	per	width	per	width	per	width	per
inches	roll	inches	roll	inches	roll	inches	roll
12....	\$ 80	36....	\$2 40	12....	\$2 00	30....	\$5 00
18....	1 20	48....	3 20	18....	3 00	36....	6 00
24....	1 60	60....	4 40	24....	4 00		
30....	2 00	72....	4 80				

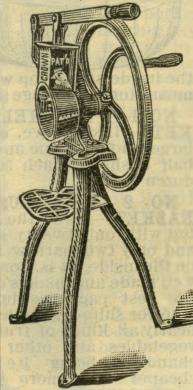
Will allow 5 per ct. discount on 5 roll lots, or 10 per ct. on 10 roll lots.

Cut rolls, any width, of 2 inch mesh, 1c per sq. ft.

Cut rolls, any width, of 1 inch mesh, 2½c sq. ft.

GALVANIZED STAPLES.—For fastening wire poultry netting, 10c per lb.

WILSON'S BONE MILL NO. 1.—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 \$4.50 each.

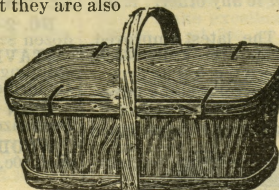


CROWN CUTTER.

CROWN CUTTER. 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.

CLIMAX BASKET.—Used largely for shipping fruit, but they are also

desirable for shipping eggs for setting. Will hold two settings of Leghorns, etc. or one Asiatics. Price per 10, 40c, 50 for \$1.50, 100 for \$2.75.



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, by mail 55c.

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 1 lb. 25c, or by mail 40c. Trial size 1c, or postpaid, 20c.

GAPE WORM EXTRACTOR.—Price, each 15c, 4 for 50c, postpaid.

CHAMBERLAIN'S HEN FOOD.—Per 100 lbs. \$2.00.

CHAMBERLAIN'S MASH FEED.—Per 2 bu. sack \$1.50.

INCUBATORS AND BROODERS.

It is our aim to furnish our customers with the very best that can be obtained in every department of our business. After careful investigation we have found the **Cyphers Incubators and Brooders** have given better satisfaction than any other incubators and brooders on the market. The incubators are self-regulating, self-ventilating, require no supplied moisture, fire proof and will hatch a larger per cent of fertile eggs than any other machine we know of. Send for catalogue. We save you freight.

INCUBATORS.—No. 0, 60 egg capacity.....\$14.00
No. 1, 120 egg capacity.....20.00
No. 2, 220 egg capacity.....29.00
No. 3, 360 egg capacity.....37.00

BROODERS.—Style O, Indoor.....\$ 8.00
Style O, Outdoor.....9.00
Style B, Indoor.....10.00
Style A, Outdoor.....12.00

TESTED THERMOMETER.—For incubators. Each 80c by mail.

CAPONIZING INSTRUMENTS.—Set \$2.50 prepaid.

LEE'S LICE KILLER.—This is the result of several year's experimenting with various insecticides, in search of a liquid that would eradicate lice, mites and chiggers, by applying to roosts and nest boxes. It is now regarded as the standard liquid lice killer. Per qt. 35c. ½ gal. 60c. gal. \$1.00.

SPRAGUE'S LICE AND INSECT KILLER.—Will absolutely destroy all lice, mites and insects where properly applied. Also an excellent disinfectant. This is a liquid put up in cans. Can be applied with brush or insect sprayer. Price, ½ gal. 60c, gal. \$1.00.

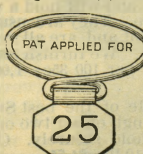
DEODORIZED BLOOD MEAL.—SUMNER'S PROCESS.—A superior supplemental food. Each two ounces of Blood Meal is said to represent one quart of raw blood. Those raising chicks hatched in incubators, who had formerly met with heavy loss from breaking down or leg weakness, say that blood meal mixed with their rations has been instrumental in stopping loss in this way entirely. 10 lb. sack 50c. 50 lb. sack \$2.00.

SANITARY DETACHABLE FOUNTAIN.—Chicks can drink all round. Easily cleaned. 2 qt. 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.



IOWA LEG BAND.—Made of soft pliable brass band which is far superior to any other material. The loop is bent up in such a shape that the strap part of the band is easily inserted and fastened and can be instantly adjusted to fit any bird from a pigeon to a turkey. Numbered with plain figures. Price 20c per doz. \$1 00 per 100 postpaid.



CLIMAX LEG BAND.—The "Stay on" kind. These bands have no sharp edges or exposed ends of wire to cut your fingers or injure the fowl, are very easy to put on. Six sizes. State breed of fowls you have and we will send suitable size. Dozen 25c. 25 for 40c, 50 for 75c, 100 for \$1.35 postpaid.

GLASS NEST EGGS.—5c each, 35c per doz., 4 dozen for \$1.40.

FAULTLESS INSECT SPRAYER.—An all brass hand sprayer. Will not rust. The best sprayer for applying liquids to poultry houses and live stock. Price, \$1.00 by express.

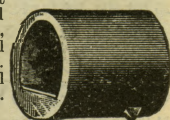
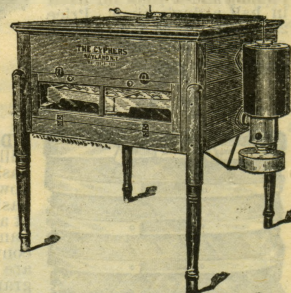
RUST'S CONDITION POWDER.—A highly concentrated food for poultry. Excellent remedy for cholera, gapes and mild cases of roup and catarrh. Superior for keeping fowls in good condition as it enriches the blood, promotes digestion and restores the appetite. Price, 13 oz. box 25c, by mail 40c. 30 oz. box 50c, by mail 85c.

RUST'S EGG PRODUCER.—Recommended by many of the well known fanciers and poultrymen in the east. It increases fertility of eggs produced as well as number. Price, lb. box 25c, by mail 40c, 2½ lbs. 50c, by mail 94c.

RUST'S LICE KILLING POWDER.—For dusting on fowls and in the nests. Price 2c, postpaid 40c.

RUST'S LICE KILLING PAINT.—Put up in cans dry and can easily be mixed for use. Apply with brush. Can 25c, postpaid 40c.

FRENCH POULTRY KILLING KNIFE.—Best and most humane method of killing all kinds of poultry. 50c postpaid.



DRINKING
FOUNTAIN.

POULTRY WIRE NETTING—THE BEST EGG PRODUCER. IT'S CHEAP—FEED IT DAILY.



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, 15c, 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 outdoor ponds or fountains.

ORIOLE FISH.—Beautifully variegated golden red and clear black. Medium size 25cts. each; 5 for \$1.00.

PEARL FISH.—These elegant fish are either of clear pearly white color or the white is variegated with gold markings. Medium size 25c each; 5 for \$1.00.

SILVER FISH.—This is simply an uncolored gold fish of dark silvery color. Nice for a variety. Medium size 10c each; 6 for 50c.

JAPANESE FRINGETAIL FISH.—These aristocratic fish are undoubtedly the most beautiful of all aquaria fish, having extremely long, drooping tail and fins. Choice specimens are very rare and when obtainable sell at \$10.00 to \$50.00 each. We can furnish nice young specimens at \$1.50 each; select at \$2.50 each.

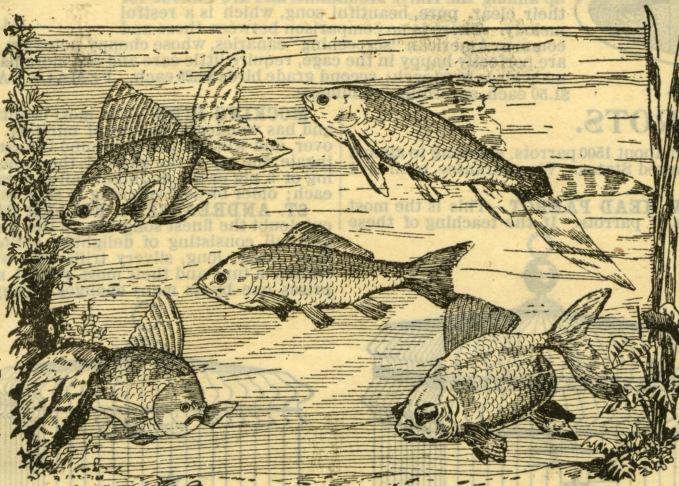
TELESCOPE FISH.—A very curious appearing fish which always attracts attention from its "extreme ugliness." Eyes are abnormally large and bulging. Price \$1.00 to \$1.50. Black Telescopes, which are quite rare, \$3.00 each.

GLASS FISH GLOBES.—These are neat, cheap and consequently more popular than the large aquariums. The 8, 9, 10 and 11 in. are the sizes most used.

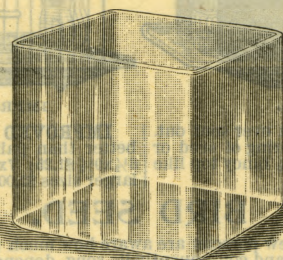
DIAM.	HOLDS	EACH
5 in.	1 qt.	\$.25
6 in.	2 qts.	.40
7 in.	3 qts.	.50
8 in.	4 qts.	.60
9 in.	5 qts.	.75
10 in.	6 qts.	1.00
11 in.	12 qts.	1.25
12 in.	16 qts.	1.75
15 in.	30 qts.	3.00

STANDING FISH GLOBES.—These are raised up on a glass base and are handsomer than the ordinary fish globes, but are not as satisfactory, owing to their liability to crack at the juncture of bowl and base.

HOLDS ABOUT.	EACH
1/2 gallon	\$1.00
1 gallon	1.25
1 1/2 gallons	1.50
2 gallons	2.25
3 gallons	3.00

JAPANESE FANTAIL.
JAPANESE FRINGETAIL.

COMMON GOLDFISH.

COMET.
TELESCOPE.

GREEN GLASS TANK.



AQUARIA CASTLE.

COMET FISH.—Also called "Gorgeous Tails," "Long Tailed Beauties," and "Fancy Gold Fish." They are without doubt the most graceful in their movements of all aquaria fish. Small, 2 c each, medium size 3c each, large 50c each. Extra choice colors and markings 75c to \$1.25.

JAPANESE FANTAIL FISH.—By far the most popular of all fancy fish and the most satisfactory of the imported varieties. The fins and tails are long and of delicate lace-like substance. The tail is V-shape and frequently divided so that it might be called two distinct tails. They are beautifully variegated usually with golden red and pearly white or black.

Nice specimens 50c each. Choice 75c each. Fancy, some showing three colors, \$1.00.

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.

SHIPPING BUCKETS.

Unless you order a fish globe with fish it will be necessary to ship them in a bucket or can. For this purpose we offer 2 or 3 quart tin buckets suitable for holding 6 medium sized fishes or less, @ 10c each; 4 qt. @ 15c; 6 qt. will hold 12 medium sized fishes, for 20c. Can for 25 fishes, 50c.

AQUARIUM CASTLES.—A great variety of styles and sizes from 10c to \$2.50.

AQUARIUM PLANTS.—See list on another page.

PREPARED FISH FOOD.—The best food for all kinds of gold fish. This we import from Germany where they make the best quality and of the purest materials. Price 10c per box, \$1.00 per dozen, postpaid.

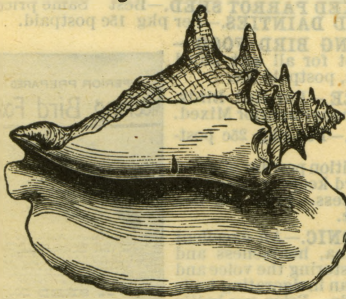
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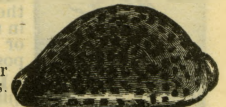
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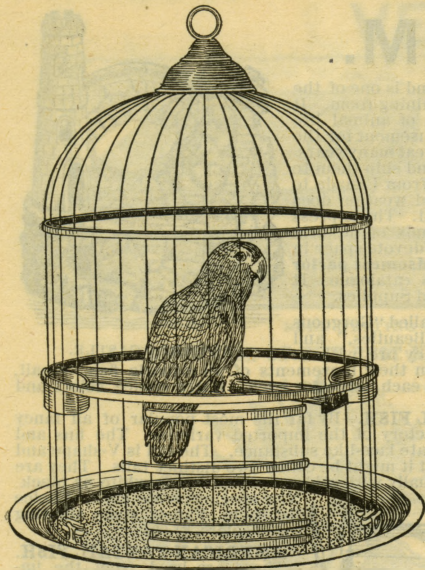
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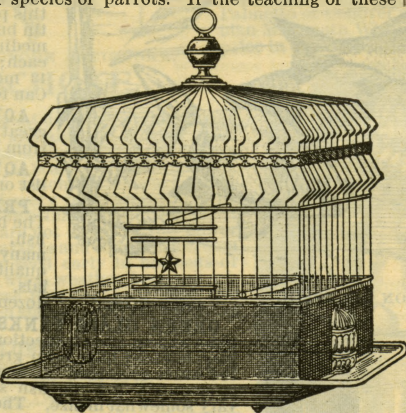
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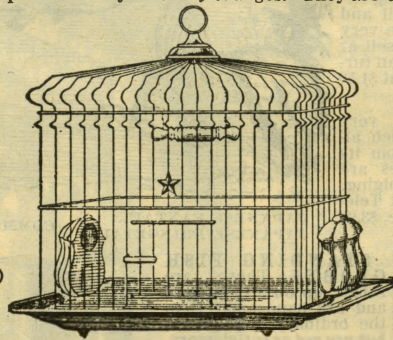
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