

34TH ANNUAL CATALOGUE

ROGER LAMBERLIN

1904

SUNRISE

TULIP ROSE

IOWA SEED & CO.

DES MOINES
IOWA, U.S.A.

HELEN GOULD

BESSIE BROWN

FRANCIS E. WILLARD



1904 Rose Collection
These SIX ROSES for 75¢

SEEDSMEN TO THE AMERICAN PEOPLE

TO OUR CUSTOMERS:



In presenting this our THIRTY-FOURTH ANNUAL CATALOGUE, we desire to most heartily thank our many friends for their liberal patronage the past season, and we are more than ever determined this year to give each customer the best seeds that they have ever had, and to fill their orders promptly and well, realizing that in the past our promptness and care in filling orders has made many friends. It is our highest ambition to merit the title which has so often been applied to us, namely:

"Seedsmen to the American People."

Almost every one in Iowa who uses seeds knows the IOWA SEED COMPANY and our *Choice Iowa Seeds* are sown in every neighborhood in this and the surrounding states, and to a great extent throughout the country. This business has now reached such proportions and is so diversified that it is impossible to account our efforts in building up one of the most substantial business enterprises in the world today. In the local retail store at 613-615, Locust Street, are located also our offices, and fifteen stenographers are kept busy answering the correspondence, as during the busy season we receive 2000 to 5000 letters every day. All orders are filled in our mail order building on Eighth Street, which we built and arranged especially for this purpose. Large quantities of seeds are stored in our Fifth Street warehouse, but no orders are filled there except car-load lots. We have 24 greenhouses and 20 acres of land surrounding them devoted to growing flower plants and bulbs, and it requires 8,600 acres to grow our garden and farm seeds. Our Bird and Gold Fish mail order trade is undoubtedly the largest in the world. We keep it separate from the seed business. Our Bird Store on Walnut street is a place of much interest. 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 every one to inspect all departments. Hoping that you will give us the pleasure of filling your order, and assuring you that it shall receive our best attention, we remain

IOWA SEED COMPANY.

Suggestions to Customers

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

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.

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.

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.

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.



I Love Roses, Don't You?

TULIP ROSE. (Madam de Waterville.)--Has created a great sensation in Europe. The flower when half open is the shape of a tulip and also of rich variegated color. It is a remarkable shade of cream yellow suffused with rosy blush. Petals are large and each one is widely bordered with bright crimson, thus giving it a very striking and beautiful appearance. The feathery shading on the petals is beyond description. Each 20c.

Suggestions to Customers

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. 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.

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.

We are Pleased to Receive Samples of New, Rare or Superior Seeds You May Send Us for Trial.

1904 ROSE COLLECTION.

There is no flower so popular as the rose. The demand for them is almost doubling every year, and this is largely because their cultivation is becoming better understood and people succeed in producing a plentiful supply of flowers the year around. By our improved methods of culture we are able to propagate much better plants at a lower cost than ever before and we give our customers the benefit. The world has been searched over to secure the grand varieties which we are offering this year and they are sure to please all.

The wreath on the front cover of this catalogue portrays their beauties as nearly as the artist could depict, but neither pen nor brush can do them justice, and we want you to see them for yourself. We have therefore made the price very low. **The six for 75 cents.**

BESSIE BROWN.--This is called by rose specialists the finest new variety which has been brought out for many years past. It is a hybrid tea variety which originated in England. Blooms are very large in size, full double and of perfect shape; color, creamy white flushed and tinged with pink, especially at the edges of the petals which are shell shaped. It was awarded eight prizes at the great English floral exhibition. Blooms freely; is of the sweetest fragrance, and is just the thing for wearing. Each 20c.

SUNRISE.--This grand new rose has taken first honors in the cut flower shows. When in bud form it is a deep coppery pink color, but as the blossom opens the inner side of petals shade from clear yellow to deep copper color thus making a pleasing color effect. The flower has the true Bon Silene fragrance and is desirable both in bud and when in full bloom. The foliage is also handsome--when young it is of copper bronze color, but as it becomes older it changes to a rich dark green. Each 20c.

HELEN GOULD.--This is claimed to be the most beautiful and satisfactory rose for general planting ever introduced. It has proved itself to be the strongest growing, freest blooming and largest flowering hardy rose in existence. It is better for general planting than the American Beauty. The buds are beautifully shaped, long and pointed; the flowers are full and perfectly double; color rich, rosy crimson, particularly bright and glowing; also a good winter bloomer. Each 15c.

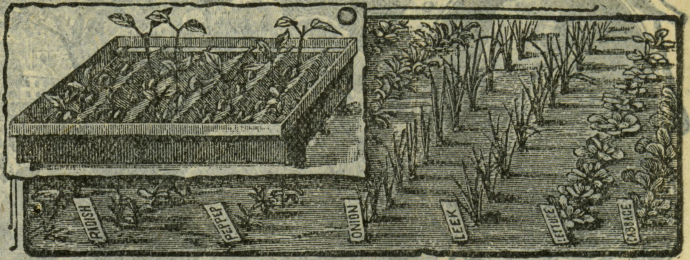
FRANCES E. WILLARD.--Undoubtedly the best pure white ever-blooming rose ever introduced. Buds and flowers are of large size, perfect form, pure snow white color. It is delightfully fragrant and blooms freely. Plant is a strong vigorous grower. Each 15c.

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. Not a free bloomer. Each 20c.

VEGETABLE SEEDS.

Our stock of vegetable seeds we are sure cannot be excelled either in quality or selection by any firm in the country, as we watch our growing crops with great care, taking pains to isolate and keep pure and true to name. Every variety listed is desirable and has our recommendation. Our packets are, we believe, as well filled as any reliable seed-dealer's in the United States, and in fact a comparison has shown that they contain more seeds on an average than those of any other firm whose packets we have secured. We pay the postage at these prices, except on Beans, Peas and Corn at the peck or bushel rates.

We make it a rule to carefully test all seeds as soon as received from the grower, or as soon as they are brought in from our seed farms. We also carry on extensive trials on our grounds by which we are enabled to offer only those strains of seeds which come up to the standard of purity and excellence, and are of the highest vitality, and the result is that we very rarely have complaints as our Choice Iowa Seeds are sure to please.



SEED TESTING AND TRIALS.

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 3 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.

EARLY PROLIFIC BROAD.—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



IMP'D EARLY VALENTINE.

pods have been produced 20 inches in length. 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 pk. 75c, pk. \$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. The pods are from 5 to 6 inches long. Pkt. 5c, ½ pt. 1 c. qt. 50c. By express, ½ pk. 80c, pk. \$1.50.

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.

HENDERSON'S BUSH LIMA.—Grows in compact bush form, producing enormous crops of delicious Lima beans. Pkt. 5c, ½ pt. 15c, qt. 60c. By express, ½ pk. \$1.25, pk. \$2.25.

WARDWELL'S KIDNEY WAX.—Free from rust and spots. Pkt. 5c, ½ pt. 15c, qt. 60c. By express, ½ pk. \$1.25, pk. \$2.25.

IMPROVED GOLDEN WAX.—More sold than any other variety. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.00, pk. \$1.75.

LARGE WHITE MARROW.—Double as large as the Navy. Pkt. 5c, ½ pt. 15c, qt. 40c. By express ½ pk. 70c, pk. \$1.25.

CHALLENGE BLACK WAX.—Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.10, pk. \$2.00.

CALIFORNIA BRANCH OR PROLIFIC TREE.—Resembles white Navy. Pkt. 5c, ½ pt. 12c, qt. 35c. By express, ½ pk. 70c, pk. \$1.25.

Beets.

MARKET GARDENER'S.—The best and most profitable table variety. 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. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

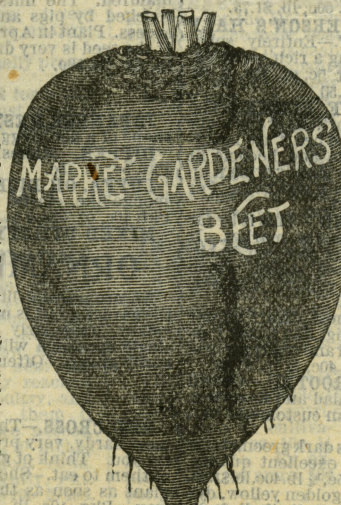
EARLY CRIMSON GLOBE.—An extra choice table beet and is also very early. Skin very smooth and it is as handsome a beet as you can imagine. It is of a rich, deep red color, shading to purple. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c.

ECLIPSE.—This variety is one of the best, early sorts. It possesses all the qualities requisite in a first-class beet, and is of a uniform globular shape, fine grained and delicious. 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.

CROSBY'S IMPROVED EGYPTIAN.—It is a great improvement on the old Egyptian, being thicker, handsomer and more regular in shape, smooth, with very small tops and small tap root. It is of perfect shape when small, thus making a good beet for bunching. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

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.



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.—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 until the vines are cut by frost. This variety endures all kinds of weather, wet or dry. Pods are seven to eight inches long, fleshy, absolutely stringless, 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. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.10, pk. \$2.00.

LAZY WIFE'S.—The pods of medium, dark green color are produced in great abundance, and measure from 4 ½ 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. Makes an excellent winter shell bean. Pkt. 5c, ½ pt. 20c, qt. 60c. By express, ½ pk. \$1.25, pk. \$2.25.

KING OF THE GARDEN LIMA.—An improvement on Large White Lima. 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 express, ½ pk. 90c, pk. \$1.60.

WHITE DUTCH CASE KNIFE.—Yields an immense crop of handsome white beans of excellent flavor. Cooks easily. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.10, pk. \$2.00.

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.

GOLDEN CLUSTER. Cultivate same as cabbage.

EXTRA CURLED MOSBACH.—Fine crimped leaves, light green color; admirable for garnishing. Best for cooking. Pkt. 5c, oz. 10c, ¼ lb. 40c, lb. \$1.25c.

DWARF GERMAN GREEN.—Popular. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

Mangels and Sugar Beets.

DIGNITY LONG RED.—Unequaled for yielding and feeding qualities. Grows to a very large size. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, 5 lbs. \$1.50, not prepaid.

GOLDEN TANKARD.—Best for dairy farming. Early, hardy and a heavy cropper, is of a rich, deep yellow throughout. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 45c. By express, 5 lbs. \$1.50.

CHAMPION YELLOW GLOBE.—Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 45c. By express, 5 lbs. \$1.50.

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

KLEIN WANZLEBEN SUGAR BEET.—This variety is cultivated more largely than any other sugar beet, as it usually yields 15 to 20 per cent of sugar. A good yielder and of great feeding value. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, 5 lbs. \$1.50.

LANE'S IMPERIAL SUGAR BEET.—Very hardy and productive; much larger than above, but not as sweet. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c. By express 5 lbs. \$1.25.

\$10.00 PRIZE.

We will pay \$10 cash for the heaviest mangel or sugar beet grown from our seed this year. Report to be sent in by Oct. 15th.

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



IOWA SEED COMPANY'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 we have had it 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 which we have seen, ripening evenly with very short stem or stalk, and large, solid, thick heads of fine, silky quality and of best keeping properties. It is almost all head and always sure to head. Pkt. 5c, oz. 20c, ¼ lb. 55c, lb. \$2.00.

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 and have but few outside leaves, therefore may be planted very close and yield large crops. It is a most important variety for the gardener. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

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. The heads are large, finely curled and an excellent keeper. Pkt. 5c, oz. 20c, ¼ 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 qualities, and the fact that the head remains as green as when gathered in the fall, is the king of all cabbage for late spring selling. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.55.

KARLEHEAD MAMMOTH.—Largest of all, have in some instances grown to a weight of ninety 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, ¼ lb. 75c, lb. \$2.60.

FOTLER'S IMPROVED BRUNSWICK.—For summer and fall. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

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

FILDERKRAUT.—Pointed head. In great favor among Germans. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

CABBAGE PLANTS.—See list of vegetable plants.



CELERY.

GIANT PASCAL.—Stalks remarkably large, thick, solid, entirely stringless, very crisp and brittle, self-blanching, clear white. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

HENDERSON'S HALF DWARF.—Entirely solid, possessing a rich, nutty flavor. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

WHITE PLUME.—The stalks, portions of the inner leaves and heart are naturally white and become fit for use by simply tying it up closely with soft twine. Per

pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.
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. Per pkt. 5c, oz. 30c, ¼ lb. \$1.00, lb. \$3.50.

WINTER QUEEN.—The finest dwarf winter celery. Of a rich green coloring, like Giant Pascal, it is more readily blanched and ready for use earlier in the fall. Pkt. 10c, oz. 40c, ¼ 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, ¼ lb. 50c, lb. \$1.50.

BOSTON MARKET.—Leaves dark green, stalks when blanched nearly white, excellent quality, solid, crisp, tender. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

GOLDEN DWARF.—Waxy golden yellow, cylindrical, solid, crisp. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

SELF-BLANCHING.

CABBAGE.

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. Grows remarkably uniform, the heads are of even size. Pkt. 5c, oz. 25c, ¼ lb. 55c, lb. \$2.75.

ALPHA.—By far the earliest flat-headed variety in existence. It is remarkably solid, rivaling the Danish Ballhead. Very popular with the market gardeners. Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. \$3.00.

EARLY JERSEY WAKEFIELD.—Considered by many gardeners the very best 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 best quality, American grown. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. \$2.00.

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

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, ¼ lb. 75c, lb. \$2.50.

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

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. Per pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.50.



SHORT STEM
DRUMHEAD.

CHUFAS.

A nice little ground nut which is greatly liked by the children. In sweet ness and flavor they resemble the cocoanut or almond and are considered very nice put on the table in a fruit dish with candies, and as an after dinner relish. They are very prolific, a single one yielding from two to four hundred. The nuts grow under ground, very near the surface, easily reached by pigs and poultry, and destroyed by them if they have free access. Plant in April, 10 inches apart in 2½ foot rows. Cover them lightly. If the seed is very dry, soak them well before planting. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

GOURDS.

JAPANESE NEST EGG.—Grows almost uniformly to the size, color and shape of a hen's egg. Pkt. 5c, oz. 15c.

DIPPER.—Makes a more light and convenient dipper than can be bought. Pkt. 5c, oz. 15c.

LUFFA, OR DISH CLOTH.—The peculiar lining of this fruit, which is sponge-like, elastic and durable, makes a natural dish cloth or sponge. Pkt. 10c, oz. 35c.

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

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 and easily grown. Often called Queen Anne's Pocket Melon. Pkt. 5c, oz. 25c.

PEANUTS.

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 not to break inside skin and plant as soon as the ground becomes warm, from 2 to 3 feet apart each way. Pkg. 10c, lb. 40c, postpaid. By express 5 lbs. or more @ 25c per lb.

CELERY FRESH FROM THE GARDEN IS A LUXURY APPRECIATED BY ALL.

Sweet Corn.

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

Plant as soon as ground becomes warm in the spring in hills about three feet apart, five or six grains to a hill, and when up thin out, allowing three or four of the strongest plants to remain. Give thorough cultivation. We pay the postage on pkt., ½ pt. and qt. Deduct 10c on each quart if to be sent by express or freight.

PHARAOH'S DREAM.—A novelty and the most productive and finest variety ever sent out. Owing to the fact that it so frequently produces seven ears to the stalk, it has been aptly named "Pharaoh's Dream." The ears are of large size and resemble the Stowell's Evergreen Corn. The corn is pure white, tender and of delicate flavor, remaining a long time in edible condition. Pkt. 10c, ½ pt. 25c, qt. 55c. By exp. pk. \$3.00.

EARLY SUNRISE.—The best early variety. Ears about six inches long, well filled out. Is quite productive and of excellent flavor. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.00, pk. \$1.75.

EXTRA EARLY CORY. (White Cob.)—This has for years been the most popular variety with market gardeners for first early market. Of medium size, Pkt. 5c, ½ pt. 15c, qt. 45c. By express, ½ pk. 90c, pk. \$1.60.

CHAMPION EARLY.—Without doubt the earliest large corn ever introduced. An average ear is about nine inches long. Pkt. 5c, ½ pt. 15c, qt. 45c. By express, ½ pk. 85c, pk. \$1.50.

EARLY MINNESOTA.—An early variety. The ears are of good size, well flavored and of the best cooking qualities. Pkt. 5c, ½ pt. 12c, qt. 40c. By express, ½ pk. 70c, pk. \$1.35.

COUNTRY GENTLEMAN.—An improvement on the old favorite Shoe Peg Sweet Corn. The crop can be counted on to give three to five ears to a stalk. Pkt. 5c, ½ pt. 15c, qt. 60c. By express, ½ pk. \$1.25, pk. \$2.25.

CROSBY'S EARLY.—For medium early use. A good cropper and profitable for family use and as a market sort. Pkt. 5c, ½ pt. 12c, qt. 40c. By express, ½ pk. 70c, pk. \$1.35.

IMPROVED STOWELL'S EVERGREEN.—For many years the most prominent main crop variety and more largely planted than any other, being a general favorite with canners and market gardeners for late use. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.10, pk. \$2.00, bu. \$7.25.

MAMMOTH SUGAR.—This produces the largest ear of any sweet corn, a single ear sometimes weighing as much as two or three lbs.; sweet and luscious. Pkt. 5c, ½ pt. 15c, qt. 60c. By express, ½ pk. \$1.10, pk. \$2.00.

Pop Corn.

SNOWBALL.—A novelty of superior merit and makes delicious pop corn. Ears are of large size, fine shape; is very productive. Pkt. 10c, ½ pt. 20c, qt. 65c.

PAGE'S NEW STRIPED RICE.—The best, handsomest and most attractive variety of pop corn in existence. The ears are of good size. Very productive. Pkt. 5c, ½ pt. 20c, qt. 65c. By exp. ½ pk. \$1.25, pk. \$2.25.

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, ½ pt. 15c, qt. 40c. By exp. ½ pk. 70c, pk. \$1.25.

Cucumbers.

One ounce will plant fifty hills; two pounds will plant one acre. Cucumbers succeed best in a rich, loamy soil. For first early, sow in hot-beds, in berry boxes, or in small flower pots, six weeks before they can be set out in open ground. 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.

EARLY EXPRESS.—A very desirable novelty. 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. Quality is the very best and it is as fine for slicing as any later sort. Color is lively green shading to white at the blossom-end as they grow older. Pkt. 10c, oz. 5c, ¼ lb. 75c, lb. \$2.50.

CUMBERLAND.—This is a hardy, rapid, vigorous grower, and one of the most prolific varieties. The pickles are thickly covered with fine spines, and the flesh is crisp and tender. We can highly recommend this variety. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

PERFECT WHITESPINE.—Fruit even and of good size, straight, well formed and symmetrical. It is of uniform shape, making it unexcelled for pickling. Immensely productive. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. 1.75. By express, 5 lbs. or more @ \$1.50.

BOSTON OR JERSEY PICKLE.—Is used almost exclusively by the market gardeners near Boston for pickling. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

JAPANESE CLIMBING.—It comes into bearing quickly and continues to set fruit abundantly throughout the season. Of large size, tender, cylindrical shape, flesh pure white, skin dark green when ripe; of excellent quality for slicing. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.00.

IMPROVED LONG GREEN.—A standard sort. Fruit about 12 inches long, firm and crisp. The young fruit makes the best of pickles, and when ripe is the best of any for sweet pickles. Packet 5c, oz. 20c, ¼ lb. 60c, lb. \$1.85.

IMPROVED CHICAGO PICKLE.—It is very prolific. Produces an immense number of desirable shaped pickles. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

NEW ASTRO.—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.

EARLY CLUSTER.—Grows in clusters. It is productive and the quality is very good. Packet 5 cents, ounce 15 cents, ¼ lb. 50 cents, lb. \$1.65.



EARLY EXPRESS CUCUMBER.

Cauliflower.

One ounce will produce about three thousand plants.

One of the most delicious of vegetables. Any soil that will grow cabbage will grow cauliflower. Give the same culture 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.

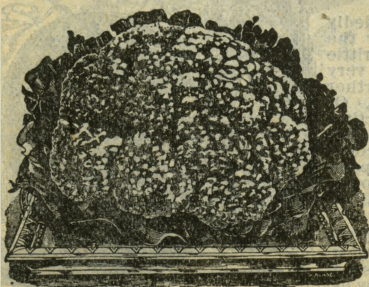
HENDERSON'S EARLY SNOW BALL.—This is considered the earliest of all cauliflowers. Our stock is extra choice and cannot be excelled. Pkt. 15c, ¼ oz. 75c, oz. \$2.50.

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

EARLY PARIS.—A well known small variety which usually proves quite satisfactory. 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. Pkt. 5c, oz. 60c.

CAULIFLOWER PLANTS.—See list of Vegetable Plants.



EARLY SNOWBALL CAULIFLOWER.

Chufas or Earth Almonds

A nice little ground nut which in sweetness and flavor resembles the cocoanut or almond. 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, 10 inches apart in 2½ foot rows. Cover them lightly. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

Carrots.

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

For early crop sow in spring as soon as 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 first of June. A light sandy loam, deeply tilled, is best.

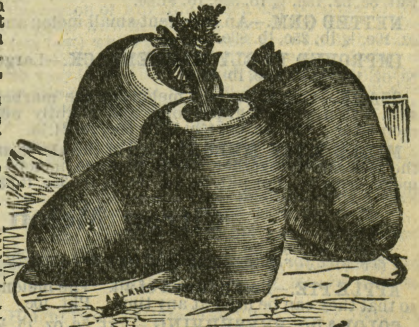
EARLY SCARLET HORN.—Favorite for early crop. Sold largely in New York market bunched. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

OXHEART.—We do not hesitate to call this the most valuable variety. It is between the Half-long and Horn varieties, attaining a diameter of 3 to 4 inches at the neck, beautiful shape, rich orange color. Where others require digging it is easily pulled; produces roots as early as any variety, continuing of best quality; excellent for hogs and other live stock and has yielded 1,200 bushels per acre. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

DANVERS.—In form about midway between the Long Orange and Short-horn class, growing generally with a stump root. Of a rich, dark orange color and large size. A first-class carrot for all soils, that is claimed under good cultivation will yield the greatest weight per acre with smallest length of root. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

IMPROVED LONG ORANGE.—One of the most desirable for either garden or field culture. Fair specimens average 12 in. long, diameter of 3 in. at the top. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

VICTORIA.—Largest carrot grown, heaviest cropping and most nutritious variety in cultivation. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c. By express, 5 lbs. or more, 50c per pound.



OXHEART, OR GUERANDE.

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

Sweet Corn

Lettuce.

One ounce will sow 120 feet of drill.

Sow in hot bed in March and in open ground as early as it can be worked, thinly in drills one foot apart. For a succession sow every three weeks during the season. The soil should be rich and mellow. Thin out plants as they grow.

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, ¼ lb. 40c.

BLACK SEEDED SIMPSON.—Nearly double the size of the ordinary Curled Simpson. Stands the summer well without becoming tough or turning 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, ¼ lb. 30c, ½ lb. 90c.

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, ¼ lb. 40c, ½ lb. \$1.20.

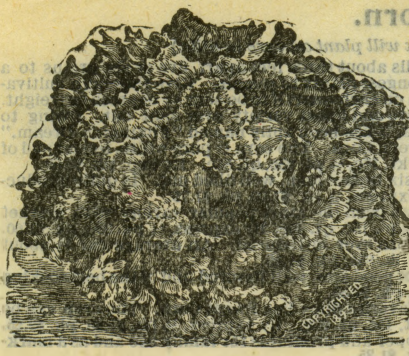
NEW CONTINUITY.—In this grand new variety we have one of the most desirable sorts now on the market. The outside leaves are of a very dark brown color tinged with purple, while the inside of the head is fine creamy white, tender, crisp and well-flavored. It is especially recommended for holding on through the hot dry weather. We most highly recommend it and believe that it will please everyone. Pkt. 10c, oz. 25c, ¼ lb. 75c.

DENVER MARKET.—An early variety of Head Lettuce, either for forcing or open ground. Pkt. 5c, oz. 10c, ¼ lb. 30c, ½ lb. 85c.

IMPROVED HANSON.—For general use no variety can surpass our improved, carefully selected strain of Hanson Lettuce. Resists summer heat exceptionally well. Pkt. 5c, oz. 10c, ¼ lb. 30c, ½ lb. \$1.00.

PRIZEHEAD.—Very tender leaves. Heads large and of good flavor. Pkt. 5c, oz. 10c, ¼ lb. 30c, ½ lb. 85c.

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, ¼ lb. 30c, ½ lb. \$1.00.



ICEBERG LETTUCE

RELISH.—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, ¼ lb. 60c.

EARLY CURLED SIMPSON.—An improved variety with large, loose heads; excellent flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 75c.

CALIFORNIA CREAM BUTTER.—A variety with round, solid heads. Outside the heads are of medium green. Are of good size, compact, very hard and solid. Pkt. 5c, oz. 15c, ¼ lb. 40c, ½ lb. \$1.20.

Musk Melon.

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

The soil best adapted to the culture of melons is a warm, rich, sandy loam. Plant in hills five or six feet apart each way, ten or twelve seeds in a hill. When they begin to vine thin out leaving only four of the most thrifty.

ROCKY FORD.—This new variety is in great demand by the high class hotels and restaurants. The flesh is thick, of a light green color and a fine juicy, luscious flavor. It is very early and the melons are of just the right size for table use, slightly oval in shape. It is wonderfully productive. Pkt. 5c, oz. 10c, ¼ lb. 30c, ½ lb. \$1.00.

OSAGE GEM.—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. Pkt. 10c, oz. 20c, ¼ lb. 60c.

WINTER PINEAPPLE or SANTA CLAUS.—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. 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. 15c, ¼ lb. 50c, ½ lb. \$1.50.

EMERALD GEM.—The finest in flavor of all varieties of musk melon. It is also the earliest to ripen; rather small and flattened at both ends. Pkt. 5c, oz. 15c, ¼ lb. 50c, ½ lb. \$1.60.

GRAND RAPIDS.—The main characteristic is its extreme earliness. The flesh is pure yellow clear to the rind. Pkt. 5c, oz. 20c, ¼ lb. 60c, ½ lb. \$2.00.

CHAMPION MARKET.—A superb variety. Pkt. 5c, oz. 15c, ¼ lb. 50c, ½ lb. \$1.60.

PRINCESS or PERFECTION.—The flesh is of a rich salmon color and they ripen early. Pkt. 5c, oz. 15c, ¼ lb. 45c, ½ lb. \$1.25.

IMPROVED GREEN NUTMEG.—A greatly improved strain of the old Green Nutmeg. Of fair size, flesh light green and very rich in flavor. Pkt. 5c, oz. 15c, ¼ lb. 50c, ½ lb. \$1.60.

NETTED GEM.—An excellent small melon and very popular. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 80c.

IMPROVED EARLY HACKENSACK.—Large size, rich flavor. Pkt. 5c, oz. 10c, ¼ lb. 35c, ½ lb. \$1.20.

OSAGE.—One of the best melons on the market for family use. The skin is thin, of dark green color and slightly netted. The flesh is salmon color. Pkt. 5c, oz. 15c, ¼ lb. 50c, ½ lb. \$1.75.

MIXED MUSK MELONS.—All of the above and a few other kinds, the seed mixed together. Will produce melons throughout the entire melon season. Per pkt. 5c, oz. 10c, ¼ lb. 35c, ½ lb. \$1.20.

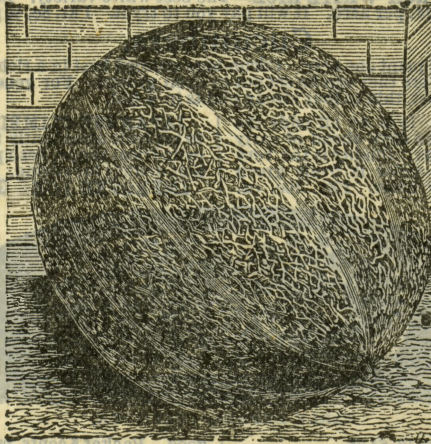
Citron Melon.

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

APPLE PIE.—Best flavored of all. The melons keep fresh all winter, so that they can be used at any time. Pkt. 10c.

COLORADO PRESERVING.—Pkt. 5c, oz. 15c, ¼ lb. 40c, ½ lb. \$1.25.

RED SEEDED CITRON.—Pkt. 5c, oz. 15c, ¼ lb. 40c, ½ lb. \$1.25.



ROCKY FORD

MUSK MELON.

quite productive. Pkt. 5c, oz. 10c, ¼ lb. 30c, ½ lb. \$1.00.

GYPSY or GEORGIA RATTLESNAKE.—A superior or early market variety; large, oblong, the skin green, mottled and striped. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 75c.

DIXIE.—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, ¼ lb. 25c, ½ lb. 85c.

MONTE CRISTO.—(Kleckley's Sweets.) The skin is dark green, faintly striped, flesh bright red. Pkt. 5c, oz. 15c, ¼ lb. 40c, ½ lb. \$1.20.

KOLB'S GEM.—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, ¼ lb. 20c, ½ lb. 50c.

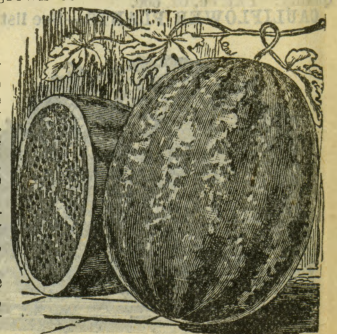
MOIVER'S WONDERFUL SUGAR.—It is a large melon, averaging 35 lbs. each. They are long, rind thin and tough, flesh a delicate red, tender and juicy. Pkt. 5c, oz. 10c, ¼ lb. 30c, ½ lb. \$1.00.

SWEETHEART.—Early, large, handsome, heavy, good shipper, long keeper, bright color and of good quality. Pkt. 5c, oz. 10c, ¼ lb. 30c, ½ lb. \$1.00.

DUKE JONES.—It has been grown to immense size and even the largest specimens hold their good flavor. Pkt. 5c, oz. 10c, ¼ lb. 35c, ½ lb. \$1.20.

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, ¼ lb. 40c, ½ lb. \$1.00.

MIXED.—25 varieties of the finest water melons, the largest, earliest, sweetest; grown separately and carefully mixed by us. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 85c.



COLE'S EARLY.

Onions.

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.

MAMMOTH PRIZETAKER.—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. Pkt. 5c, oz. 10c, ¼ lb. 60c, lb. \$1.50; 4 lbs. not prepaid, \$5.00.

COPPER KING or MAMMOTH POMPEII.—Have been grown to the enormous weight of 5 pounds and 6 ounces. Copper color, flesh pure white, fine grained and mild. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

MAMMOTH SILVER KING.—This giant sort is the largest of all white onions. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.25.

GIANT VESUVIUS.—This grand new mammoth variety is a foreign sort. Globe-shaped, red, grows to an immense size and has pleased all who have tried it. Pkt. 5c, oz. 10c, ¼ lb. 75c, lb. \$2.25.

MAMMOTH WHITE PRIZE WINNER.—One enthusiastic grower says: "I raised a White Prize winner 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, ¼ lb. 90c, lb. \$3.00.

The "Five Giants." One packet each of above for only 25c.

LARGE RED WEATHERSFIELD.—The standard sort throughout the west, as they are the most hardy, and immense crops can be raised when more profitable. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00; 4 lbs. not prepaid, \$3.50.

WHITE PORTUGAL or SILVER SKIN.—Matures early, mild flavor, medium size. Best variety to grow sets. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$1.75; 4 lbs. not prepaid, \$6.50.

LARGE WHITE GLOBE.—This 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.

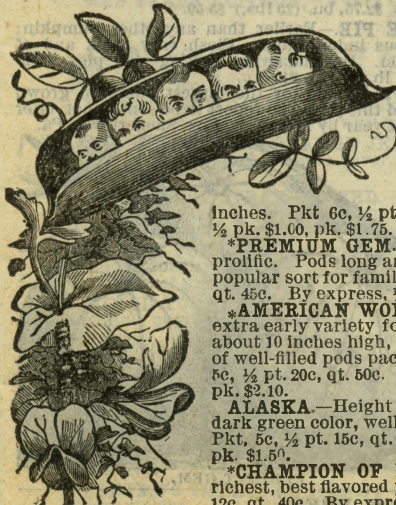
EXTRA EARLY RED.—Matures very early. It is recommended particularly for the north and northwest. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.20; 4 lbs. not prepaid, \$4.00.

SOUTHPORT RED GLOBE.—Grows to a large size, skin deep red, flesh fine grained, mild and tender. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.20; 4 lbs. not prepaid, \$4.25.

\$10.00 PRIZE. We offer a prize of \$10.00 for the largest onion grown this year from seed purchased direct from us.

Parsnips.

IMPROVED TABLE GUERNSEY.—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. A very heavy cropper; the roots are smooth, with a deep, hollow crown and a small top. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 65c.



IOWA CHALLENGE.

An extra early variety of superior merit which is a favorite with Des Moines market gardeners. The good qualities of the Extra Early are the most nearly brought to perfection in the Challenge. Vines 18

inches. Pkt. 5c, ½ pt. 15c, qt. 45c. By express, ½ pk. \$1.00, pk. \$1.75.

PREMIUM GEM.—Height 1 foot; early and prolific. Pods long and of dark green color. A popular sort for family use. Pkt. 5c, ½ pt. 12c, qt. 45c. By express, ½ pk. \$1.10, pk. \$2.00.

AMERICAN WONDER.—The most popular extra early variety for family garden, growing about 10 inches high, and produces a profusion of well-filled pods packed with finest peas. Pkt. 5c, ½ pt. 20c, qt. 50c. By express, ½ pk. \$1.30, pk. \$2.10.

ALASKA.—Height 2 feet, pods rather small, dark green color, well filled, earliest pea known. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. 85c, pk. \$1.50.

CHAMPION OF ENGLAND.—One of the richest, best flavored peas grown. Pkt. 5c, ½ pt. 12c, qt. 40c. By express, ½ pk. 65c, pk. \$1.15.



AUSTRALIAN BROWN.—A new, medium sized, wonderfully hard and solid variety. Color is a peculiar clear amber brown. In keeping qualities it exceeds any other variety that we know of. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.00; 4 lbs. not prepaid, \$3.40.

YELLOW GLOBE DANVERS.—Round or globe-shaped variety of large size, very firm and best of keepers; has yielded 1,000 bushels per acre, and one of our customers states that his crop averaged over 800 bushels per acre for nine years. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, 4 lbs. not prepaid, \$3.00.

EXTRA EARLY BARLETTA.—This is the very earliest onion in cultivation. They are of pure paper white color, very mild and delicate in flavor, 1½ inches in diameter, and ¼ of an inch in thickness. For table use and pickling it is most valuable. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

Peas.

One qt. will plant about 100 ft. of drill; 2 to 3 bu. to the 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. Winkled sorts are marked *. Prices include postage. Pints at one-half the quart rates. 15c per quart discount if sent by express.

FIRST AND BEST.—A standard first early variety, popular with gardeners in all parts of the country. Crop is very short this year. Pkt. 5c, ½ pt. 12c, qt. 40c; by express ½ pk. 55c, pk. \$1.50.

ABUNDANCE.—A standard, medium early sort. Large and productive. Pkt. 5c, ½ pt. 15c, qt. 45c. By express, ½ pk. 85c, pk. \$1.50.

NOTT'S EXCELSIOR.—Mr. George Buchanan writes: "I found these peas a very distinct, pure sort, with many marked excellencies over the American Wonder, Premium Gem, Advance, etc. The peas were ready for table use within forty-three days from planting." Quality very superior. Pkt. 5c, ½ pt. 15c, qt. 55c. By express, ½ pk. \$1.25, pk. \$2.25.

IMPROVED SRATAGEM.—Late variety for family or market use. 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.

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 thirty years. The old variety is very tall (six feet) while this new sort grows only two and one-half feet, and still the vines are vigorous with a great profusion of very large pods filled with very 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. 45c. By express, ½ pk. 90c, pk. \$1.60.

TELEPHONE.—Immensely productive, of the finest quality and excellent, sugary flavor. Pkt. 5c, ½ pt. 20c, qt. 50c. By express, ½ pk. \$1.10, pk. \$2.00.

JUNO.—Its height is two feet, its season from medium early to main crop. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.00, pk. \$1.75.

WHITE MARROW.—An improvement on the old Large White Marrowfat. Pkt. 5c, ½ pt. 10c, qt. 35c. By express, ½ pk. 60c, pk. 90c.

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. 60c, pk. \$1.00.

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 express, ½ pk. 75c, pk. \$1.25.

MAMMOTH LUSCIOUS SUGAR.—This new sugar pea bears much larger pods 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. They are very nutritious for family use. Pkt. 5c, ½ pt. 20c, qt. 60c. By express, ½ pk. \$1.25, pk. \$2.25.

GUERNSEY PARSNIP.



EARLY SCARLET GLOBE.

EARLY SCARLET TURNIP.—A small, round, red, turnip-shaped radish, with a small top and very quick growth. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

MODEL WHITE BOX.—It is of most handsome shape, very early and has but few leaves, and one-third more radishes can be grown in the same space than with most other sorts. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

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. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Winter Radishes.

CHINA ROSE WINTER.—Bright rose-colored, winter variety of excellent quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

CALIFORNIA MAMMOTH WHITE.—Grown extensively by Chinese in California, 8 to 12 inches long, 2 to 3 inches thick; white, solid and of good quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

LONG BLACK SPANISH.—A large, black skinned radish with firm, white flesh, of pungent flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Squash.

One ounce early varieties will plant about 40 hills; one ounce late varieties will plant about twenty hills, 8 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.

ALEXANDRIA.—A new variety of superior merit. Is a rapid, vigorous grower; produces a large number of fruits and is an excellent keeper. Shell is smooth and very hard. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.35.

TRUE HUBBARD.—This old variety has for years stood the test of all rivals. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25.

WARTY HUBBARD.—A new strain of the Hubbard. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25.

FAXON.—Flesh deep orange yellow; sweet, very dry and matures early. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

GOLDEN BUSH.—The earliest of all squashes. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

WHITE BUSH SCALLOPED.—Similar to the Golden Bush; color creamy white. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY BUSH CROOKNECK.—Splendid summer sort, early, productive, fine quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY PROLIFIC MARROW.—Early and productive, the two most important features of the market gardener. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

BLUE HUBBARD or MARBLEHEAD.—A splendid winter variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

MAMMOTH CHILL.—The "Jumbo" of the squash family. Most profitable to grow for stock. Keeps well the entire winter. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

PERFECT GEM.—Is a strong grower, as many as 24 squashes having been produced on a single vine. The squashes are from 4 to 6 inches in diameter; of a creamy white with a 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.

Spinach.

NEW VICTORIA.—The leaves are thick and spread out flat upon the ground. Excellent for spring sowing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 35c.

LONG STANDING.—Standard with gardeners. Leaves thick, fleshy and crumpled; slow in running to seed. Leaves round 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 and 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. 35c. By express, 5 lbs. \$1.10.

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. Sow in drills one foot apart and thin to two or three inches apart as soon as the rough leaves appear.

EARLY SCARLET GLOBE.—A most excellent early radish for garden culture. It forms small top and will stand a great amount of heat without becoming pithy. Its fine shape is well illustrated in the accompanying engraving. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

ROSY GEM.—Their shape is perfectly globular, with rich, deep, scarlet top, blending into pure white at the bottom. Tender, crisp, delicious. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

FRENCH BREAKFAST.—Olive shaped, small top of quick growth, crisp and tender, of beautiful scarlet color, except near the tip which is a pure white. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 60c.

SCARLET GEM.—An extremely early variety which has matured fit for the table in 17 days. Quality is unsurpassed, tender, crisp and appetizing. An excellent sort for forcing. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

CRIMSON GIANT FORCING.—This grand new variety is the largest and best forcing radish ever introduced. Develops roots six to seven inches in circumference, remaining firm and crisp and of mild flavor. Color is a beautiful deep crimson. Pkt. 10c, oz. 25c.

NEW TRIUMPH.—Is very early, crisp, tender and of good flavor. Round, with white skin striped bright scarlet. Will please everyone. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

WHITE STRASBURG.—Of a handsome, oblong, tapering shape; both skin and flesh are pure white. Possesses the most desirable character of retaining crispness even if old and large. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

IMPROVED CHARTER or SHEPHERD.—The roots come to usable size very early, remaining hard and crisp until they reach a diameter of an inch or more. 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.

NEW ICICLE.—A splendid new long variety of almost transparent whiteness, crisp, brittle and of best flavor. 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. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 85c.

WHITE LADY FINGER.—Large, white, crisp variety, about as long as Long Scarlet, and similar in shape. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

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.

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

Pumpkin.

One ounce will plant 25 hills; 4 lbs. 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?

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. 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. Rind thin. When cooked it is very yellow, and makes pies of a rich color, sweet and of the finest quality. Has been recently renamed "New Thanksgiving Pumpkin." Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 70c.

NEW ATLAS.—A specimen of this variety exhibited at the World's Fair weighed 481 pounds; probably the largest pumpkin ever grown. Pkt. 10c.

KING OF MAMMOTHS.—Largest variety of true pumpkins. Flesh and skin of bright golden yellow, fine grained; good quality. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

LARGE CHEESE.—(Ky. Field.)—An excellent keeping variety, with thick flesh of exceptionally fine quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

CONNECTICUT FIELD.—The field or cow pumpkin. If you have stock to feed it will pay you to put in a few acres. Oz 5c, $\frac{1}{4}$ lb. 15c, lb. by mail 40c. By express or freight, 10 lbs. \$2.75, bu. (25 lbs.) \$5.50.

JAPANESE PIE.—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. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.60.

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. Won last year by Mrs. J. F. Fox, Saegertown, Pa.



PERFECT GEM.

ASK FOR A COPY OF OUR BOOK ON LAWNS. IT IS FREE.

THE EARLIEST TOMATO IN THE WORLD



EARLY MINNESOTA.

GOLDEN QUEEN.—The superior flavor of the yellow varieties is bringing them into favor as table fruit. This beautiful fruit is as smooth as the best of red varieties, and of a fine and distinct flavor. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

ACME.—Specially valuable for early market use. Fruit of medium size, round, color glossy red, with purplish tinge, ripens all over and through at the same time. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.00.

YELLOW PEAR.—A favorite with all who know them. Highly esteemed as a table delicacy raw, but more used for preserving or to make "tomato figs," also excellent pickled. Pkt. 5c; oz. 30c; ¼ lb. 75c.

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. Choice table variety for home use. Pkt. 5c; oz. 30c; ¼ lb. \$1.00.

DWARF CHAMPION.—Dwarf and compact, is almost self-supporting when laden with fruit. In productiveness it is unsurpassed. The fruit is of a purplish pink color, always smooth and symmetrical and the flesh solid and of fine quality. Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$3.00.

MATCHLESS.—Worthy of its name, for in beauty of color and symmetry of form it is indeed without a peer. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

CRIMSON CUSHION.—Can be grown on trellises and in this way three or four times as much fruit can be grown on same space. Grows 7 to 10 feet high, if desired, most of the fruit is borne three or four feet from the ground, well out of reach of chickens. Fruit is of unsurpassed quality exceeding any variety on our list. Pkt. 10c; oz. 50c; ¼ 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; ¼ lb. 85c.



DWARF CHAMPION.

CITRON MELONS.

APPLE PIE.—Excellent for preserving. Best flavored of all. Pkt. 10c; oz. 30c.

COLORADO PRESERVING.—The standard. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

RED SEEDED CITRON.—A very satisfactory sort. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

TURNIP.

EXTRA EARLY PURPLE TOP MILAN.—One of the earliest sorts in cultivation. The bulb is very flat, smooth, with a bright purple top; leaves few, short, and of light color. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

EARLY SNOWBALL.—A white-skinned turnip, which is exceedingly productive. The flesh is fine grained, firm and of very delicate flavor. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

GOLDEN BALL OR ORANGE JELLY.—Bright yellow turnip of medium size and of universally sweet and delicious flavor. Flesh extremely firm and solid. Pkt. 5c; oz. 10c; ¼ 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; ¼ lb. 20c; lb. 50c; 5 lbs. or more, not prepaid, 35c 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; ¼ lb. 20c; lb. 50c; 5 lbs. or more not prepaid, 35c per lb.

MIXED TURNIPS.—All the table varieties of turnips mixed in equal proportions. A desirable mixture for family use. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

RUTA BAGA.

MONARCH.—This new and distinct form of the ruta baga, is, by far the best of all. Only variety succeeding on our prairie soil. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

IMPROVED AMERICAN.—Good shape, small neck, smooth skin, keeps well, a choice strain. Pkt. 5c; oz. 10c; ¼ 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; ¼ lb. 20c; lb. 50c.

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

TOMATO.

GOLDEN NUGGET.—Fruit beautiful golden yellow, about the size of a walnut; prolific yielder. It will pay you to try this variety. Pkt. 10c.

BOND'S EARLY MINNESOTA.—This handsome new variety is, we believe, the earliest in existence; fruit good size, dark red, excellent quality. Pkt. 5c; oz. 30c; ¼ lb. \$1.00; lb. \$3.25.

SUPERB.—It is indeed a superb new variety which is sure to please every one with its high quality. Is very productive, hardy and stands a frost which will kill other sorts, and it is also an excellent drouth resister. The fruits are of medium size, superior quality. When other varieties were badly affected with blight Superb showed no signs of it. Pkt. 10c; oz. 60c.

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. Pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.25.

WHITE'S EXCELSIOR.—The best purple tomato ever introduced. The fruit is of a dark, glossy, purplish red, very handsome. A heavy yielder which will please our customers. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

LIVINGSTON'S BEAUTY.—Originated with the late Mr. A. W. Livingston, of Franklin county, Ohio, and is one of the best ever introduced. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

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; ¼ lb. 60c; lb. \$1.75.



GOLDEN NUGGET TOMATO.

PERFECTION.—This is one of the handsomest tomatoes grown, and all who have tried it invariably large, round, smooth, handsome, red fruit, pronounce it of highest quality. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.75.

IMPROVED TROPHY.—Our Improved Trophy is vigorous and productive; much liked for canning as well as fresh. Pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

GROUND CHERRY

IMPROVED YELLOW.—It is a great improvement on the wild Ground Cherry. For sauce they are excellent, and for pies nothing can equal them for taste and flavor, are delicious as preserves. Pkt. 5c; ½ oz. 25c; oz. 40c.

PEPPER

RUBY KING.—Very large size. When ripe they are of a beautiful bright ruby red color, mild and pleasant to the taste. Pkt. 5c; oz. 20c; ¼ lb. 65c.

MAMMOTH GOLDEN QUEEN.—Eight to ten inches long, bright waxy, golden yellow, and mild flavor. Pkt. 5c; oz. 25c; ¼ lb. 80c.

LARGE BELL, OR BULL NOSE.—An early standard sort. Pkt. 5c; oz. 15c; ¼ lb. 50c.

SWEET MOUNTAIN OR MAMMOTH.—Similar to the above, but milder. Pkt. 5c; oz. 20c; ¼ lb. 65c.

RED CAYENNE.—Pkt. 5c; oz. 25c; ¼ lb. 90c.



EXTRA EARLY MILAN.

ASPARAGUS.

COLUMBIAN MAMMOTH WHITE.—A new and entirely distinct variety that produces shoots which are white and stay white as long as fit for use. Per packet 5c, ounce 10c, $\frac{1}{4}$ pound 25c, pound 75c.

PALMETTO.—Stalks frequently measure two inches in diameter. Per packet 5c, ounce 10c, $\frac{1}{4}$ pound 25c, pound 60c.

CONOVER'S COLOSSAL.—The standard variety. Per packet 5c, ounce 10c, $\frac{1}{4}$ pound 15c, pound 40c.

BRUSSEL SPROUTS.

AMERICAN MAMMOTH.—A new and greatly superior variety which forms heads ready for picking about three weeks earlier than any other variety. Per packet 5c, ounce 30c, $\frac{1}{4}$ pound \$1.00.

ENGLISH.—Per packet 5c, ounce 15c, $\frac{1}{4}$ pound 40c.

CRESS OR PEPPER GRASS.

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

TRUE WATER.—Per packet 5c, ounce 35c.

COLLARDS.

GEORGIA.—The most satisfactory for general use. Per packet 5c, ounce 10c, $\frac{1}{4}$ pound 30c, pound \$1.00.

CHICKORY.

LARGE ROOTED.—Used as a substitute for coffee. Per packet 5c, ounce 10c, $\frac{1}{4}$ pound 25c, pound 75c.

EGG PLANT.

IMPROVED NEW YORK.—Very large size, skin deep purple, flesh white and of excellent quality. Per packet 5c, ounce 40c, $\frac{1}{4}$ pound \$1.25.

EARLY ROUND PURPLE.—The earliest variety in existence. Per packet 5c, ounce 35c, $\frac{1}{4}$ pound \$1.10.

ENDIVE.

GREEN CURLED.—Per packet 5c, ounce 15c, $\frac{1}{4}$ pound 40c, pound \$1.25.

GIANT FRINGED.—A handsome winter sort of fine quality. Per packet 10c, ounce 30c, $\frac{1}{4}$ pound \$1.00.

GARDEN LEMON.

Thinner in flesh and more acid than vine peach thus dispensing with the sliced lemons which are so important in putting up the latter; directions for cooking with each packet. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

KOHL RABI.

GOLIATH PURPLE.—Of immense size, solid and sweet. Per packet 5c, ounce 25c, $\frac{1}{4}$ lb. 75c, pound \$2.00.

EARLY WHITE VIENNA.—Flesh white and tender. Per packet 5c, ounce 20c, $\frac{1}{4}$ pound 60c, pound \$1.75.

LEEK.

LARGE ROUEN.—Largest and most uniform of all. Per packet 5c, ounce 15c, $\frac{1}{4}$ pound 45c, pound \$1.35.

OKRA, OR GUMBO.

DWARF WHITE VELVET.—Pods round, very tender and of a superior flavor. Per packet 5c, ounce 10c, $\frac{1}{4}$ pound 25c, pound 75c.

PARSLEY.

MARKET GARDENER'S.—An extra choice stock, with dark green beautifully curled mossy leaves, very ornamental in its growth and very productive. Per packet 5c, ounce 15c, $\frac{1}{4}$ pound 50c.

CHAMPION MOSS CURLED.—A very select stock, leaves beautifully crimped and curled. Per packet 5c, ounce 10c, $\frac{1}{4}$ pound 25c.

HAMBURG.—Turnip rooted variety, used for flavoring soups, etc. Per packet 5c, ounce 10c, $\frac{1}{4}$ pound 20c, pound 65c.

RHUBARB, OR PIE PLANT.

IDEAL MAMMOTH.—Largest and best. Per packet, 10c, ounce 25c.

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

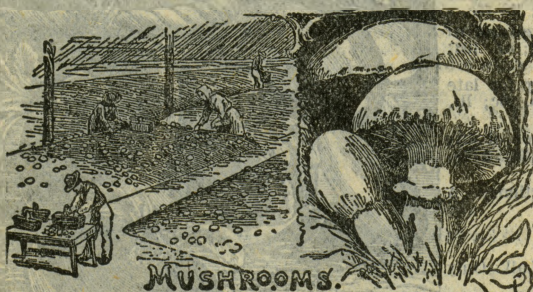
SALSIFY OR VEGETABLE OYSTER.

MAMMOTH SANDWICH ISLAND.—Roots are white, smooth and notwithstanding their enormous size are of superior quality. Per packet 5c, ounce 15c, $\frac{1}{4}$ pound 45c, pound \$1.25.

VINE PEACH.

A splendid novelty introduced by us. 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 preserves they are superb. Per packet 5c, ounce 15c, $\frac{1}{4}$ pound 50c.

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. Price per lb. 3c postpaid; 5 lbs or more, not prepaid @ 15c per lb. Directions for culture on request.

SET OUT A FEW SAGE PLANTS—NO GARDEN IS COMPLETE WITHOUT THEM.

GARDEN PLANTS.

Orders must amount to at least 25 cents. We prepay postage. Express at purchaser's expense.

BALSAM MINT.—Each 15c, three for 40c, dozen \$1.25.

ARTEMESIA or BROTA.—Each 15c, three for 40c.

CALAMUS (Acorus).—Grows best in wet soil. Each 20c.

CATNIP or CATMINT.—Each 10c, three for 25c, dozen 75c.

CHIVES.—Little perennial members of the onion tribe and are grown entirely for their tops, which are used wherever the flavor of onion is required. Roots per bunch 15c, four for 50c.

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

PEPPERMINT.—Each 10c, three for 25c, dozen 75c.

GENUINE PENNYROYAL.—Each 15c, three for 40c, dozen \$1.25.

ROSEMARY.—Each 10c, three for 25c, dozen 75c.

HOLT'S MAMMOTH SAGE.—Each 10c, three for 25c, dozen 75c.

VARIEGATED MAMMOTH SAGE.—Each 20c, three for 50c.

SPEARMINT.—Each 10c, three for 25c, dozen 75c.

VARIEGATED SPEARMINT.—Each 25c, six for \$1.00.

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

TANSY.—Each 15c, three for 35c, dozen \$1.00.

TARRAGON.—Each 15c, three for 40c, dozen \$1.25.

GOLDEN VARIEGATED THYME.—Each 10c, three for 25c, dozen 75c.

GARLIC.—A species of onion propagated by offsets; used for flavoring soups, stews and other dishes. Per pound 40c, postpaid; by express, per pound 25c, ten pounds for \$2.00.

HOP ROOTS.—A few hop vines are nice on any place for making yeast, etc. Each 15c, dozen \$1.00.

HORSEADISH SETS.—Per dozen 15c, one hundred 75c, postpaid; by express, 60c per hundred.

RHUBARB ROOTS.

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

IDEAL MAMMOTH.—The largest and best variety. Strong roots 30c.

ASPARAGUS ROOTS.

PALMETTO and CONOVER'S COLOSSAL.—Per dozen 35c, per hundred \$1.25, postpaid; by express or freight, per 100, 75, 1,000, \$5.00.

COLUMBIAN MAMMOTH WHITE.—Per dozen 40c, per hundred \$1.50 postpaid; by express, per hundred, \$1.00; per thousand \$6.50.

ONION SETS.

White Bottom...... Per pt. 20c, qt. 30c, postpaid; pk. 90c, bu. \$3.00

Yellow Bottom...... Per pt. 15c, qt. 30c, postpaid; pk. 75c, bu. 2.50

Red Bottom...... Per pt. 15c, qt. 30c, postpaid; pk. 85c, bu. 2.75

White Multiplier...... Per pt. 20c, qt. 40c, postpaid; pk. \$1.25....

Red Top or Button Sets...... Per pt. 20c, qt. 30c, postpaid; pk. 90c, bu. 3.00

VEGETABLE PLANTS.

CABBAGE PLANTS—EARLY VARIETIES—Ready April 10th—By mail, 100, 75c; by express, 100, 50c; 1,000, \$3.50.

CABBAGE PLANTS—LATE VARIETIES—Ready May 15th—By mail, 100, 75c; by express, 100, 40c; 1,000, \$2.00.

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

CELERY PLANTS—Ready May 1st—By mail, doz. 20c; 100, \$1.00; by express, 100, 60c; 1,000, \$4.00; after June 10th, per 1,000, \$3.00.

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

PEPPER PLANTS—Ready May 1st—By mail, doz. 25c; 100, \$1.00; by express, 100, 75c.

TOMATO PLANTS—Ready May 1st—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—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 are of best possible quality. Per 100, 75c, postpaid; by express, 100, 50c; per 1,000, \$4.00.

HERBS.

Any kind 5c per packet.

Anise.....Oz. 10c

Balm.....Oz. 25c

Basil, Sweet.....Oz. 15c

Borage.....Oz. 15c

Caraway.....Oz. 10c

Coriander.....Oz. 10c

Catnip.....Oz. 30c

Castor Oil Plant.....Oz. 10c

Chamomile.....Oz. \$1.50

Dill.....Oz. 10c, $\frac{1}{4}$ lb. 20c

Dandelion.....Oz. 35c

Fennel, Sweet.....Oz. 10c

Horehound.....Oz. 20c

Hyssop.....Oz. 20c

Lavender.....Oz. 25c

Marjoram, Sweet.....Oz. 15c

Rosemary.....Oz. 25c

Rue.....Oz. 15c

Saffron.....Oz. 15c

Sweet Woodruff.....Oz. 60c

Sage.....Oz. 10c, $\frac{1}{4}$ lb. 35c

Tansy.....Oz. 40c

Thyme, Broad-Leaf.....Oz. 20c

Wormwood.....Oz. 20c

**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.**

Sensitive Plant, Salpiglossis, Variegated, Sweet Peas, Perfected Mixed, Sweet William, Scabiosa, Stocks, Dwarf German mixed, Verbena, choice mixed, Zinnia, fine double mixed. Total 40 packets for \$1.00.

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, Gaillardia, 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.

**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.

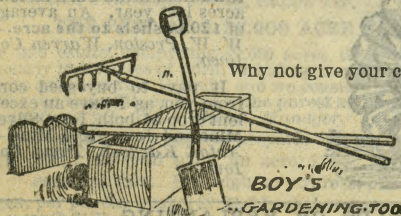
Consist of one packet each of Balsam, Candytuft, Pinks, Mignonette, Pansy and Sweet Peas.

THESE COLLECTIONS CANNOT BE CHANGED OR DIVIDED.

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 Garden Tools.



Why not give your children a garden this year? It is not only healthful exercise but they consider it play, and the care of 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 10 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.

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 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.

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. We have an excellent stock this year. Order early.



SHIPPING—In this department everything that is quoted by the packet or pound is sent by mail post paid; 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. We deliver 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.

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 worth to him the price we ask for it.

It Pays to Sow the Best.

SEED CORN.

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. We are in the center of the best corn growing country of the world. For the season of 1903 we have the best supply of seed corn ever offered by any seed firm in the world. 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.

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.

TESTED SEED CORN.

WILL IT GROW? 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. 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 25c per acre to use our seed corn.

THOROUGHbred SEED CORN.

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. 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.

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 equalled 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. A carload of 400 bu. 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 on 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, 1/2 bu. 25c, 3 lbs 60c, postpaid; by freight pk. 60c, bu. \$2.00, 2 bu. or more @ \$1.75 per bu., 10 bu. or more @ \$1.60.

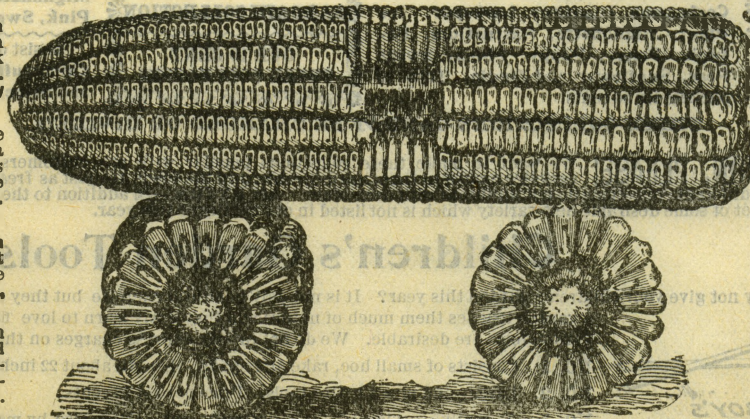
WHAT PRACTICAL FARMERS SAY ABOUT IOWA GOLD MINE CORN.

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

I 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 Co., Wis.

The Iowa Gold Mine Corn comes the nearest being all corn and no cob of any variety I ever grew.—H. F. Jacobs, Calhoun 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 County, N. Y.

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

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

IOWA SILVER MINE CORN.

THE GREAT \$1,000 CORN—YIELDS 215 BU. PER ACRE.



(Section of Ear, and man who grew prize crop—
215 bushels per acre.)

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.

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 kind 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 BUSHELS 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.

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.

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).

\$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 ten thousand dollars. 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 Jochimsen, 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 ten inches long and seven inches in circumference."—*H. R. Burton, Butler county, Pa.*

"I have been growing your Iowa Silver Mine Corn for three years past, and it yielded fully ten bushels more per acre than any other corn here this year, in spite of the unfavorable weather."—*E. W. Parnell, Story county, Iowa.*

"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.*

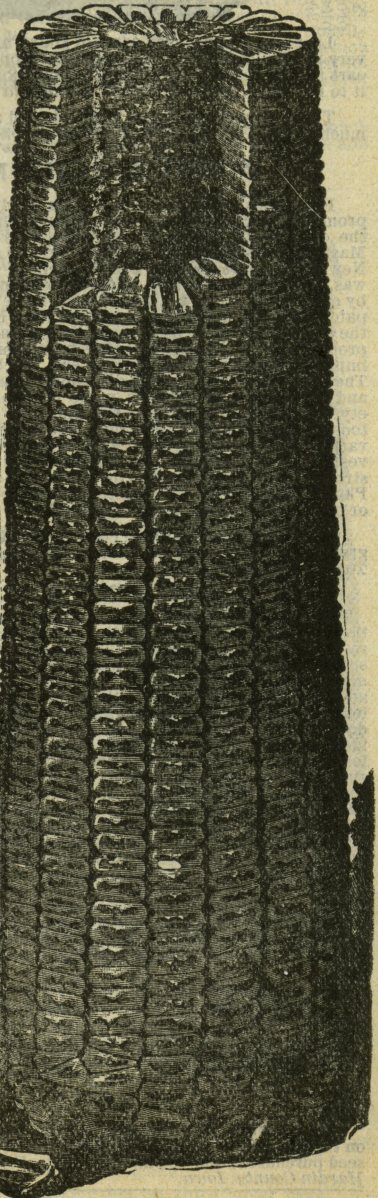
THE BEST ON A 22,000 ACRE FARM.

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

Postpaid or by express prepaid: Per pkt. 5c. lb. 25c, 3 lbs. 60c, 7 lbs (will plant an acre) \$1.00. Specimen ears 25c each postpaid. By freight or express, purchaser 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.**

Average of above is 176 bushels of shelled corn per acre. Has produced immense crops everywhere. Our customers all rejoice with us.

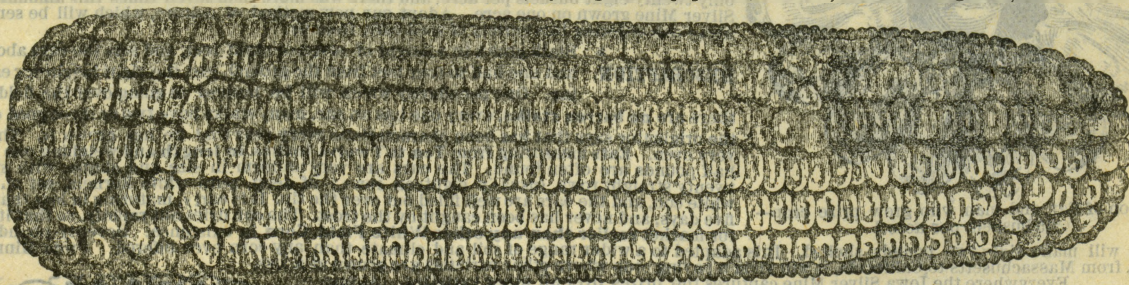


SOW DWARF ESSEX RAPE AND OBTAIN THE BEST HOG PASTURE YOU EVER HAD.

FARMERS' RELIANCE CORN.

A grand novelty in field corn, introduced by the Iowa Seed Company, 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 it is planted. Its quick growth really surprises one with the speed with which it hurries on to make ears. The stalks usually have from nine to eleven blades, while most ordinary corn has thirteen blades. These leaves are quite broad, of a 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 eighty to eighty-five days. The ears are much larger than Pride of the North, not as rough or hacked, thus making it easier to handle, and the yield is 25 to 35 per cent more than Pride of the North under same conditions. An average bushel of seventy pounds will make sixty pounds of shelled corn. It has for years been selected from stalks which set the ears three feet or less from the ground and this has a tendency to make it earlier. Fully 40 per cent of the stalks produce two good ears. It is the 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 exp. pk. 65c, bu. \$2.00; 2 bu. or more @ \$1.85; 10 bu. or more @ \$1.75.

Your Farmers' Reliance corn has proved very fine and I am much pleased with it.—W. A. Whitmer, Clinton County, Iowa.



The Farmers' Reliance corn put chased from you has made a splendid yield.—Herman Hark, Iowa.

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, Ashtabula County, Ohio.

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

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 corn in America, Mr. Alfred Kose, 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 size 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 lbs. took first prize at fair. Farmers who delight in a handsome, large eared variety, will be pleased with the Mastodon, and when the crop is harvested no one can fail to be delighted with the yield. The corn has a strong, rapid, vigorous growth, and is also desirable for fodder purposes. 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 20th and it grew 10 to 12 feet high and made the biggest ears I ever saw."—I. C. Tapley, Floyd County, Iowa.

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 erinkle." 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 60c, 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 Ornam, Cass County, Iowa.

"The crop of Legal Tender Corn grown from seed received of you last spring is the best crop of corn I ever grew. It has matured well and I am very much pleased with it."—J. L. Walker, Polk County, Iowa.

"I won a prize of \$4.00 at the Hardin County Fair on ten ears of the Iowa Silver Mine grown from the seed purchased from you last spring."—E. W. Wolfe, Hardin County, Iowa.

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. Rezersee, Winnebago County, Wis.

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.—H. H. Connell.

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.

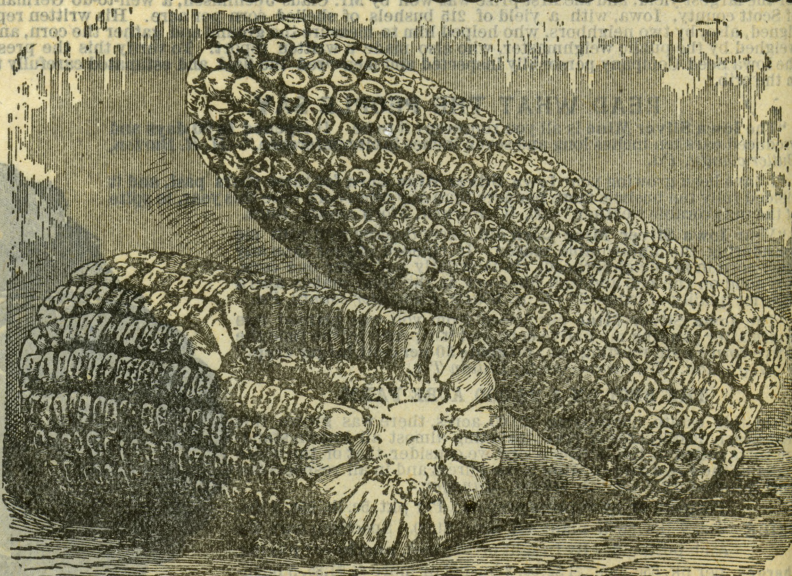
FIRST AMONG TWENTY MILLIONS.

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.

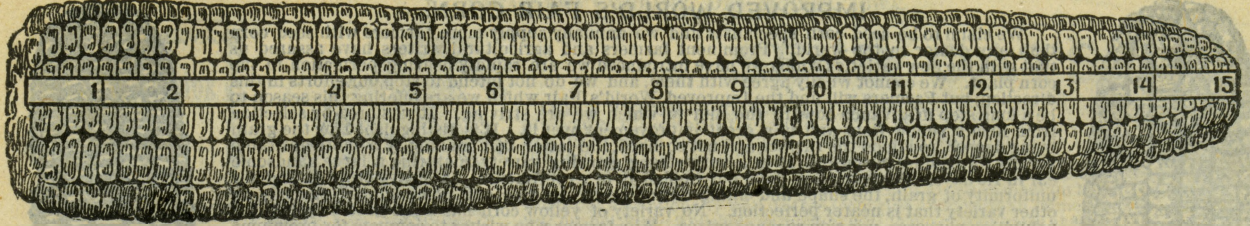
which not only is the largest in Iowa, but there is no seed store west of Iowa, way on to the Pacific Coast which compares with it in size or volume of trade. The Iowa Seed Company may therefore be said to stand

FIRST AMONG TWENTY MILLION PEOPLE.



LEGAL TENDER.

IF YOU WANT A LARGE QUANTITY OF SEED CORN ASK FOR SPECIAL PRICES.



EARLY LONGFELLOW DENT CORN.

INTRODUCED BY THE IOWA SEED COMPANY.

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 "hubbiny," 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 bushels or more at \$1.85; 5 bushels or more at \$1.75.

I planted the Longfellow Dent Corn May 8th on good bottom land. I have a good stand and it was out of danger from frost Sept. 1st. I just now measured an ear 13½ inches long with sixteen rows. Many are 12 inches, few less than 11 inches long. A good business corn. As president of the first Corn Club organized in Iowa and a life long corn grower, I venture the opinion that this long eared corn is, for the farmer, a better and more satisfactory type than any of the show corn.—W. P. Dawson, Cherokee county, Iowa.

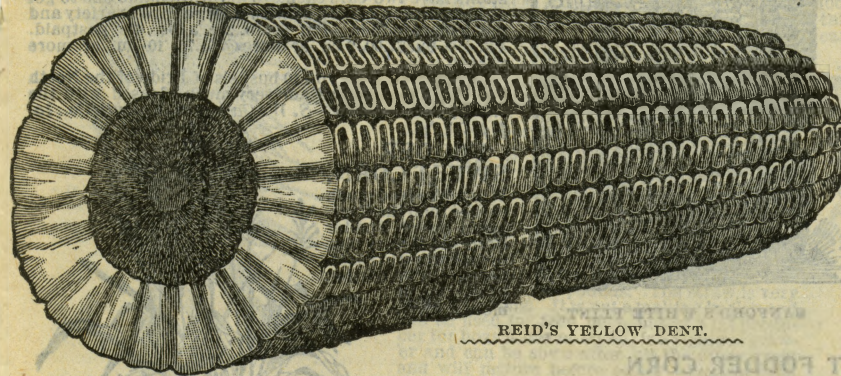
Both the Early Longfellow Dent and Mastodon, purchased of you this year were dandy varieties and will yield 50 bushels per acre this season for me.—H. C. Rittgers, Palo Alto county, Iowa.

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. I consider it an exceptionally good corn for feeding hogs and prefer it to the deep grained 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.

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 Hardy, Polk county, Iowa.

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, it being grown quite largely for an exhibition corn. Until recently but little known in Iowa, though during the past two or three years much has been said about it at corn shows, in agricultural papers etc. It has also been used as a standard at the corn judging school. This variety has been bred up by selection for more than fifty years by Robt. Reid and his son, J. L. Reid, and its characteristics are fixed and quite constant. The ear is of excellent shape, nearly cylindrical, tapering slowly to tip; length about 9½ inches, kernels firm on cob, eighteen or twenty-four rows with narrow space between rows, color medium yellow, with red cob. The 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. We procured stock seed from the originator three years ago and have grown it near Des Moines each year since and it is now well acclimated here. We can furnish strictly pure, carefully selected seed at the following prices: Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid; by freight, pk. 50c, bu. \$1.75, 2 bu. or more at \$1.60, ten bu. or more at \$1.50.



REID'S YELLOW DENT.

The seventy acres of corn 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.

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.

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 feeding 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. \$1.60, 2 bu. or more at \$1.50, 5 bu. or more at \$1.40.

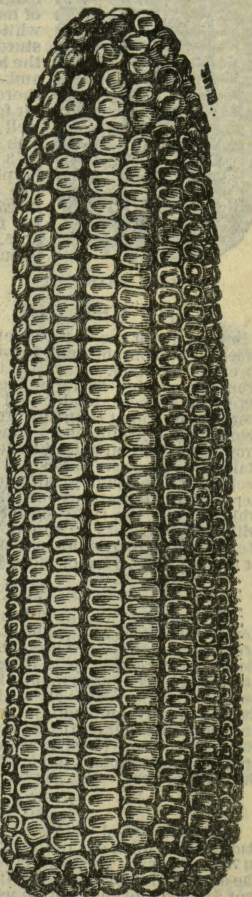
PRIMITIVE OR HUSK CORN.

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 parts of Mexico the Primitive 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.

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, Minnesota.

I have just finished gathering my Golden West corn, and one field grown on sloping land yielded 103 bushels per acre and another field which was on low level ground and damaged considerably by overflow yielded over 80 bushels per acre.—Wm. Day, Dallas county, Iowa.

Order early, there is sure to be a great demand.



STAR LEAMING.

Golden West Corn. The largest eared Yellow Dent Corn. See color plate on back cover and description on third cover page.

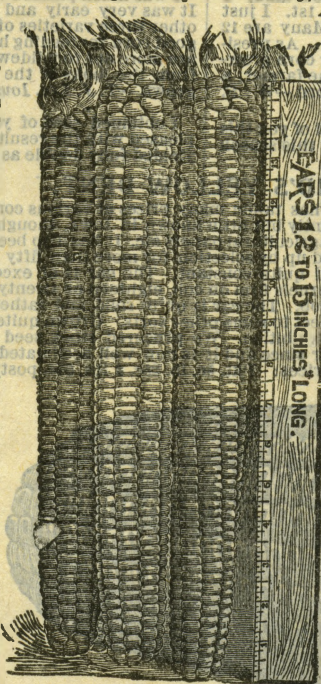
IMPROVED WORLD'S FAIR CORN.

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 to which we are striving. It was bred by selection from Reid's Yellow Dent and is a great improvement over it. It is distinguished by the grain being deeper, rough on the surface and not so hard, the latter fact making it a more desirable variety for feeding purposes. It is a very strong growing variety, maturing a large handsome ear in 110 days. Few varieties have out-yielded it in experiments. A heavy cropper and for uniformity of grain, the shape and filling out of butts and tips, and compactness, there is no other variety that is nearer perfection. No variety of yellow corn has been used so much for exhibition purposes, nor won so many 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 Exhibition in Chicago, but since then has been greatly improved. It is of excellent quality, being solid, heavy and of very strong vitality. The grain is so very tight on the cob that in the process of drying sometimes rows will be forced out. This cut of the World's Fair Corn represents about the standard ear, which is as follows: shape of ear nearly cylindrical; length 10 inches; circumference 7½ 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 30 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 ripens in about 110 days. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight or express, pk. 65c, bu. \$2.00, 2 bu. at \$1.85, 10 bu. at \$1.75.

December 2, 1903, I have just finished gathering my World's Fair Corn and find it to be the most solid corn I ever raised, in spite of the unfavorable season. The ears are exceptionally well filled out at both ends and it yielded a good crop.—W. J. Day, Dallas County, Iowa.

**SANFORD'S
EARLY
WHITE FLINT**

This standard variety is considered 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 sturdy, vigorous growth; 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. 65c, bu. \$2.25, 2 bu. or more @ \$2.10, 10 bu. or more @ \$2.00.

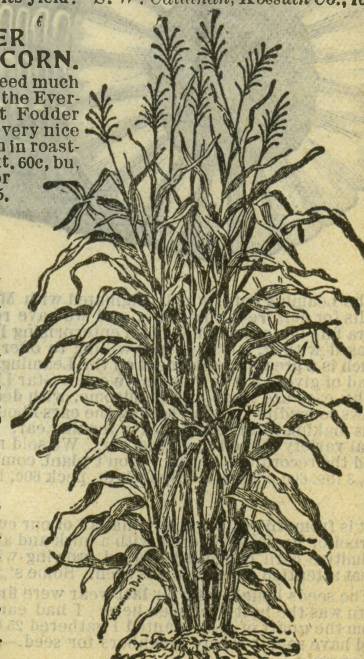
**SANFORD'S WHITE FLINT.****PRIDE OF
THE NORTH.**

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 7 to 8 inches long with small cob and kernel; seventy pounds of ears will make sixty pounds of shelled corn; color, bright orange and very uniform. Will ripen in ninety days and matures in this latitude when planted in June. Farmers after having two or three favorable years for medium crop varieties of corn, are very apt to overlook the advantage of planting a few acres of an extreme early variety each year, and the past two seasons have proved the necessity of doing this. Our crop of Pride of the North was planted the 18th of May and was ripe September 1st, as unfavorable as the past season was. Ordinarily it will ripen by the middle of August. Good soil is capable of producing four or five good stalks to the hill and many stalks have two ears each. This will enable one to get as large a crop of corn as with a large eared variety and much more fodder. Pkt. 5c, lb. 25c, 3 lbs. 60c postpaid. 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.—S. W. Callanan, Kossuth Co., Ia.

**EARLY
FODDER
SWEET CORN.**

Will make feed much earlier than the Evergreen Sweet Fodder Corn and is very nice to feed when in roasting ear. Pkt. 60c, bu. \$2.00, 2 bu. or more @ \$1.85.

**EVERGREEN SWEET FODDER CORN.****WORLD'S FAIR.****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 forty-five 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 cut. Quite popular with dairy farmers. Per pkt. 5c, lb. 25c, three lbs. 50c, postpaid; by freight, per pk. 60c, bu. \$1.75, 2 bu. or more @ \$1.60, 5 bu. or more @ \$1.50.

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 silage. Sow thickly in drills, or broadcast at the rate of two bushels per acre. Pk. 70c, bu. (measured) \$2.50, 2 bu. or more @ \$2.25.

IMPROVED EARLY YELLOW FLINT.

An eight rowed yellow flint variety with ears from 10 to 15 inches long, 1½ to 2½ inches in diameter, and 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. 6c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.25, 2 bu. or more @ \$2.10, 10 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.

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 Co., Iowa.

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

SEED OATS.

THE
IRISH VICTOROutyields
Every Other
Variety.

TRY IT.

IRISH VICTOR.—Introduced by the Iowa Seed Company. A grand novelty and the most productive variety ever brought out. 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. By freight, peck 40c; bushel, \$1.00; 2 bushels or more at 90c; 10 bushels or more at 80c per bu.

"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 sprang 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, Poweshitch county, Iowa.

LINCOLN.—When we introduced these oats to our customers in 1893, they had never been tested in this state, but had done so exceptionally well in Minnesota that we had much faith in them. Seven prizes, amounting to \$500, were offered for the largest crops grown from one bushel of seed sown, and in our 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. On account of its soft nib, heavy meat and thin hull it is unsurpassed for feeding and making into oatmeal. By freight, pk. 35c; bu. 90c; 2 bu. or more @ 80c; 10 bu. or more @ 75c.

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. Per pk. 35c; bu. 90c; 2 bu. or more, @ 80c; 10 bu. or more @ 70c.

SILVER MINE.—A very popular variety. 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 from headquarter's stock, and we think is unsurpassed. It is bright, nice and tests 98 per cent. Per peck, 35c; bu., 85c; 2 bu. or more @ 75c; 10 bu. or more @ 65c.

BLACK TARTARIAN OATS.—While attending the Royal Agricultural Show in Cardiff, Wales, we saw a fine lot of English grown Black Tartarian Oats on exhibition there, and knowing there would be a considerable demand for these from our customers we arranged for a stock. 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. The English farmer, Mr. Bennett, says: "I sowed nine bushels on three acres of land last year 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., three lbs. 60c, postpaid; by freight, peck 75c, bushel \$2.25, two bushels or more @ \$2.10, ten bushels or more @ \$2.00.

WINTER TURF OATS.—This valuable grain has for several years been growing in favor and use in many parts of the south and has proven valuable, both for the grain and for winter grazing. The oats may be sown any time from August until October. We have also sown these oats in the spring and they did just as well as the ordinary varieties of spring oats producing fully as large a crop. They are not claimed to be as hardy as the Turkish Red or Defiance Winter Wheat, but are fully as hardy as most other varieties. They will grow on poorer soil and stool out better than most varieties of oats. Better buy a few so as to secure stock seed. By freight per peck, 60c, bu. \$1.75, 2 bu. or more @ \$1.50.

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 of ordinary varieties, is loose in the hulls and easily threshed out as clean as wheat or rye. Better try a little of it. Our stock is small and will doubtless be exhausted before the season is over. Pkt. 10c, lb. 50c, postpaid.

SEED BARLEY.

IDEAL WHITE HULLESS.—The heads are large and well filled with big, plump kernels and of great value for feeding. Those who have grown it say that it produces a much larger crop than any other. It weighs 60 to 65 pounds to the measured bushel, while ordinary barley weighs only 48 pounds. The straw is very stiff and strong. It is not a malting barley and can be used for feed only, but as a fat producer for hogs it has no equal; is a vigorous grower and can be sown after all the other grain and will mature before either wheat or oats. Price 3 lbs. 60c, postpaid; by freight, peck, 65c, bushel (48 pounds), \$2.00; 2 bushels or more at \$1.85; 15 bushels or more at \$1.65.

IRISH VICTOR OATS.
bushel (48 pounds), \$2.00; 2 bushels or more at \$1.85; 15 bushels or more at \$1.65.

SUCCESS BEARDELS.—Earliest barley known. With good land and season it has produced 80 bushels per acre. Sow as early as you can; frost does not hurt it. This variety is beardless and as easy to grow and handle as oats. It is a heavy cropper, yielding from 50 to 75 bushels per acre. Good for malting and feed for hogs and other stock. Stock is short this year. Order early. Per lb. 25c; 3 lbs. 60c postpaid; by freight, pk. 50c; bu. \$1.35; 2 bu. or more @ \$1.25; 10 bu. or more at \$1.10.

MANDSCHEURI.—An improvement on the Manshury which has heretofore been the most popular bearded sort. It is an early six-rowed variety, maturing in 80 or 90 days from time of sowing, very strong strawed and stools well, bearing large, well-filled heads of beautiful, plump-berried grain, possessing malting qualities of a high order and adapting itself readily to a wonderful variety of soils. Per lb. 25c; 3 lbs. 60c postpaid. By freight, pk. 45c; 2 bu. \$1.25 bu. or more at \$1.15; 10 bu. or more at \$1.10.

CHANGE YOUR SEED OATS THIS YEAR.

It will pay you to sell your common oats and sow these improved varieties this year when the seed is so cheap. The increased yield on a few acres will cover the entire cost of seed for your farm. The seed oats and barley purchased from you last spring have given the best satisfaction. The yield was above my expectations. I shall recommend your seeds wherever I can.—G. Kueffer, Ness county, Kansas.

I have grown the Silver Mine Oats for four years and they are strictly first-class. They have never rusted or lodged and they produced 90 bu. per acre on my place. I consider them the best variety of oats that I have ever raised.—Wm. Hülker, Polk county, Iowa.

FLAX SEED.

It will pay you to sow nice, pure high grade flax seed. It is one of the most profitable crops, especially on new land. Prices subject to market changes. Per pk. 60c, bu. \$1.85 10 bu. or more @ \$1.75.

TRY THE PERMANENT PASTURE-MIXTURES DESCRIBED ON PAGE 20.

Ideal
White
Hulless
Barley



SEED WHEAT.

HAYNES' PEDIGREE WHEAT.—We cannot too highly recommend this grand new variety as being the best of spring wheat in existence and are sure it will please everyone 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. 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 bu. per acre. It is an improvement on Blue Stem Wheat and fully five days earlier in maturing. 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 Life, 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. 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. 60c, 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. It has a record of over 69 bu. per acre, and many crops are reported of 35 to 45 bu. Don't sow the old worn out varieties when you can add 50 to 100 per cent to your crop by sowing the Defiance. Everyone 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 iron-clad hardness, and very productive. Lb. 20c, 3 lbs. 50c. By freight, pk. 40c, bu. \$1.25, 2 bu. or more @ \$1.10.

CORN WHEAT.—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. Pkt. 5c, lb. 30c, 3 lbs. 75c postpaid. By freight half pk. 60c, pk. 85c, bu. \$2.50.

SPELTZ.

A Valuable New Grain from Russia.

It is botanically known as *Triticum Spelta* or *Emmer*, and for centuries past it has been grown in a limited way in Eastern Russia near the Caspian Sea, its value not being known to the civilized world. Is of high value for feeding and will make a fair grade of flour similar to rye. Will grow well and produce immense crops on poor soil, and dry weather appears to have no effect on it; will make a good crop with almost any condition of soil or climate. It makes excellent pasture and good hay if cut at proper season. Yields 70 to 100 bu. grain to the acre, besides several tons of straw 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. May be sown in fall, but usually sown in spring, 50 to 75 lbs. per acre. Pkt. 5c, lb. 25c, 3 lbs. 60c postpaid. By freight, pk. 60c, bu. (40 lbs.) \$1.30, 2 bu. or more @ \$1.00, 10 bu. or more @ 85c.

SPELTZ.

IDAHO COFFEE PEAS.

A new substitute for coffee, not at all resembling the German Coffee Berry. 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 1000 pods. When roasted and ground it has the flavor of coffee. Pkt. 5c, ¼ lb. 15c, lb. 40c, 3 lbs. \$1.00 prep'd.

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 make good firewood. Large pkt. 5c, lb. 20c, 3 lbs. 55c, postpaid; by freight 10 lbs. 70c, bu. of 25 lbs. \$1.50.

BUCKWHEAT.

JAPANESE BUCKWHEAT.—A week earlier than Silver Hull and yields more. The flour made from it is equal in quality to any other buckwheat. Lb. 25c, 3 lbs. 60c postpaid. By freight, pk. 50c, bu. (52 lbs.) \$1.50, 2 bu. or more @ \$1.35.

SILVER HULL BUCKWHEAT.—Grain is of light gray color, rounder than the common variety, has thinner husks, 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. Seed may be sown any time from April 1st to August 1st. Every farmer should try this new grain. Pkt. 10c, lb. 40c, 3 lbs. \$1.00 postpaid. By freight, ½ pk. 60c, pk. \$1.00, bu. \$3.50.



WONDERFUL SAND VETCH.

OR WINTER VETCH.—A comparatively new forage plant in this country, which has been 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 or 5 feet, remaining green all winter. It is the earliest crop for cutting, and a full crop can be taken off the land in time for planting spring crops. It is exceedingly nutritious, much more so than clover, is eaten with relish and may be fed with safety to all kinds of stock. Also valuable for a hay crop. Sow ½ bu. per acre, either in spring or fall. Pkt. 5c, lb. 30c, 3 lbs. 75c postpaid. By freight, pk. \$1.75, bu. (60 lbs.) \$6.00.

MONSTER WINTER 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. If sown very early in the spring it makes an early and abundant pasture but will not make a grain crop. Our stock is of extra fine quality. Pk. 60c, 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. 30c, 3 lbs. 60c postpaid. By freight, pk. 60c, bu. \$1.75, 2 bu. or more @ \$1.60, 5 bu. or more @ \$1.50.

IMPROVED PROLIFIC TREE BEAN,

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. The beans are pure white, of small size, greatly resembling the Navy and command the highest market price. Usually free from rust and mildew. Per pkt. 5c, ½ pint 12c, qt. 35c. By freight, pk. \$1.25, bu. \$4.25.

THE VELVET BEAN.

Nature's great soil restorer. Is a green manuring and forage plant. Forms a nutritious fodder and makes valuable hay. 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.

SPANISH GRASS PEAS.

Very productive, producing from 40 to 45 bu. to the acre. Sow 5 pks. to the acre. The peas are regular in form, very hardy and of the best feeding quality. Is not affected by the pea bug. Lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 75c, bu. (60 lbs.) \$2.50.

EGYPTIAN OR CHICK PEAS.

A great yielding pea, plant grows upright, branching and covered with balloon-like pods; very productive. Lb. 30c, 3 lbs. 75c, postpaid. By freight, pk. \$1.25, bu. \$4.00.

BAGS FURNISHED FREE WITH ALL SEEDS EXCEPT CLOVER, TIMOTHY AND MILLET.

EARLY AMBER CANE.

Dairy farmers say that the Early Amber Cane is the most valuable fodder plant in existence for their use. It is profitably grown anywhere from Manitoba to Mexico, on any good corn ground, and is but little affected by drought. 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 ten tons of green fodder have been grown per acre. Sow 100 pounds per acre for best results. Price subject to market change. Per lb. 20c, 3 lbs. 60c postpaid; by freight, 10 lbs. 50c, 25 lbs. 85c; 100 lbs. \$2.50, 500 lbs. or more @ \$2.25 per 100 lbs.

TEOSINTE.

A fodder plant grown largely in some parts of the country. Somewhat resembling corn in its general appearance. 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. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00; 3 lbs. (sufficient for one acre) \$2.65 postpaid.

EARLY SOJA BEANS.**Coffee Berry—Also Called Soy Beans.**

During recent years this variety has been sold under the name of German Coffee Berry at extremely high prices, but we prefer to offer it under its correct name. 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. It is a valuable fodder plant either for feeding green or for the silo. Like the clovers it 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, bu. (50 lbs.) \$3.25.

KAFFIR CORN.

This is a fodder plant, yielding two crops of fodder during the season. It grows from 5 to 6 feet high. The stalks keep green and are brittle and juicy, not hardening like other varieties of sorghum; making excellent fodder, either green or dried. 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 valuable for feeding to poultry and will make a flour that is like wheat. Pkt. 5c, lb. 2c, 3 lbs. 50c, postpaid; by freight, peek 5c, bu. (50 lbs.) \$1.25c, 2 bu. or more @ \$1.15.

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. It 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, pk. 75c, bu. (50 lbs.) \$3.00, 2 bu. or more at \$2.75 per bu.

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. There is no danger of it becoming a troublesome weed, as it is very easily eradicated when cut off below the soil or turned under with a plow. Per packet 5c, ounce 15c, ¼ lb. 40c, lb. \$1.35, postpaid.

FIELD PEAS.

For the northern states there is no crop of greater value than Field Peas, and none is more neglected, which can be attributed to a lack of knowledge as to its merits. Like all leguminous crops, peas have the power of extracting nitrogen from the air, and the soil is richer of nitrogen than before the peas were sown upon it. It is a nutritious food and relished by all kinds of farm animals.

SCOTCH BEAUTY.—Best blue field peas. Will yield an immense crop. Superior quality. Per pk. 60c, bu. \$2.25, 2 bu. or more at \$2.00 per bu.

WHITE CANADA.—More used than any other. Per pk. 60c, bu. \$2.00, 2 bu. or more at \$1.85 per bu.

WHIP-POOR-WILL COW PEAS.—The most highly valued plant in the south for fodder and reclaiming old or worn out land as it is a leguminous plant of special merit as a fertilizer. The vines when fed green make the best fodder and are very nourishing. The 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, ¼ lb. 25c, 3 lbs. 60c; by freight, pk. 90c, bu. \$3.00.

Ask for special prices on Field Peas in larger quantities.

**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 fall or early winter. 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. The United States Department of Agriculture claims that it adds greatly to the fertility of the soil for the following grain crop. Our stock is the true Dwarf Essex imported by us in carload lots direct from the best growers 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.

BROOMCORN.

DWARF EMERALD.—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. Very productive. Lb. 30c, 3 lbs. 75c; by freight, 10 lbs. \$1.50, 25 lbs. \$3.00; 100 lbs. \$9.00.

CALIFORNIA GOLDEN.—Has been carefully selected and improved so that the brush is straight and long. Per lb. 25c, 3 lbs. 65c; by freight, 10 lbs. 60c, 25 lbs. \$1.25, 100 lbs. \$4.00.

EVERGREEN.—More largely grown in western states than any other. 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.

THOUSAND HEADED KALE.

The seed can be sown early in April or any time thereafter until mid-summer. It grows to the height of 3 to 4 feet, and is so covered with small whorls of leaves that the name of Thousand Headed Kale has been given it. 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. 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 about 3



lbs. per acre should be used. Not hardy in this state, but we have no doubt that it will be used very largely in the south for winter pasture, and it is the cheapest of any feed that we know of. While as stated above, three pounds of seed are sown to the acre broadcast, it is better to sow in rows 18 inches apart; one lb. is sufficient for an acre. Price, large pkg. 5c,

¼ lb. 20c, lb. 65c, postpaid. By express, 5 lbs. or more @ 50c per lb.

PLANT OUR SEED POTATOES—WE KNOW YOU WILL BE PLEASED.

PENCILARIA.

Another year has added much to the popularity of this wonderful fodder plant and thousands of farmers, especially those in the dry sections of the country have been delighted with it. Three 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. 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.

HISTORY. About thirty years ago a New York seedsman introduced to the farmers of the United States, a plant known botanically as *Pencilaria Spicata* or *Pennisetum Typhoidum*, which he renamed Pearl Millet although it is not really a millet. It soon became popular in the south but could not be so successfully grown in the north. There are said to be eight varieties of this plant growing in Africa, and a more recent importation from there has proved to be much better for growing in the North. It is now so well acclimated that it yields a wonderfully large crop, even in the northern states. A comparative test with Pearl Millet shows that Pencilaria is of stronger, more vigorous growth, stools out better and leaves are broader and more succulent, it grows more vigorously after being cut, and many of our customers report having cut four to seven crops during the season. It also produces a good, profitable crop in sections where Pearl Millet is a failure.

DESCRIPTION. The seed is very small, about the size of a pinhead, 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 plant of that character. 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.

QUALITY. 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 Pencilaria. 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 keep the dry Pencilaria hay for use throughout the winter months.

95 TONS PER ACRE. One of the most noted farmers in the United States 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 15th 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 of 95 tons green fodder and when dry made 16 tons of hay, all from one sowing of seed on one acre. If there is any other plant in existence that will afford such a yield we do not know what it is.



GIANT SPURRY. The seed can be sown in the fall or in the spring. 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 has shown wonderful productiveness. Its value as a manurial plant is pronounced. It is readily eaten by sheep and cattle. Sow broadcast at the rate of 10 lbs. per acre if wanted for hay. If wanted as a fertilizer plow under when 15 to 20 inches high. 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. \$4.00, 100 lbs. \$8.75.

WONDERFUL RYE-BUCKWHEAT. 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 grain free from hulls and greatly resembling rye in shape. On our farm it yielded 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, 1/4 lb. 20c, lb. 40c, 3 lbs. \$1.00 postpaid. By freight, 1/2 pk. 60c, pk. \$1.00, bu. \$3.50.

UPLAND RICE. 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. Its growth is similar to wheat. Ordinarily 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 one inch apart in drills covering about 1 1/4 inches. It stools out

CULTIVATION. 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. It should be cultivated as soon as well up and it is seldom necessary to cultivate a 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 or three feet high, and the later cuttings when three to six feet high. In this way it will make three 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 it can be sown broadcast, lightly brushing it in.

STOOLING HABIT. Everyone is greatly astonished with the stooling nature of Pencilaria. While it begins at once to stool out 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 43 large leafy stalks, larger than the tallest corn stalks, had grown from one tiny seed. Many persons were incredulous and the editor of one agricultural 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.

WARNING. Remember that the seed is tender and it will not do to plant it until the soil becomes warm. Do not plant it deep as a covering of a quarter to a half-inch of soil is sufficient, and if seed is planted more than half an inch deep it will be very apt to fail to grow.

PRICES. Three 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 75c and this season the crop is so good that we can reduce it still more. Per pkt. 5c, 1/4 lb. 15c, lb. 35c, 3 lbs. \$1.00 postpaid. By express per lb. 25c, 5 lbs. \$1.00, 25 lbs. \$3.75, 100 lbs. \$13.50.

THEY ALL LIKE IT.

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 kind I shall plant the coming season. —J. M. Dashiell, Mason Co., Ill.

I think Pencilaria more than doubles the yield of any fodder plant. —J. M. Lyons, Story Co., Iowa.

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

WAY OUT WEST. Owing to the unfavorable season Pencilaria grew only about six feet high; and heads are 9 to 10 inches long and it produced 25 stalks to the seed. —M. A. Moon, Monterey Co., California.

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

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. Professor Budd, one of the best posted horticulturists in the United States induced us to plant it. Chas. N. Knight, Bexar Co., Texas.

very heavily. Select a good place to sow it and prepare to supply your neighbors with seed next year at a good profit. Price per pkt. 5c, 1/4 lb. 15c, 1 lb. 40c, 8 lbs. \$1.00 postpaid. By express or freight, pk. \$1.00, bu. \$3.75. Order early.

NEW ERA COW PEAS.

A novelty of great merit in that it is the earliest variety of Cow Peas in existence and therefore most decidedly the best for growing in the northern states. Throughout the south Cow Peas are considered one of the most profitable crops, as they yield immensely and are largely used as a green summer feed and also for planting in corn and other crops and plowing under as a fertilizer. Most varieties, however, are too late for the north but a few years ago we found a new variety which had never been disseminated producing about three crops per year in Georgia, and maturing in 60 days from the time of planting. It was tested in this latitude and in Minnesota and gave excellent results, producing well, and proved to be all right as to season of maturing. They are a great soil invigorator, as, like clover, they take most of their subsistence from the air. Per large pkt. 6c, lb. 20c, 3 lbs. for 80c, postpaid. By freight, pk. \$1.25, bu. \$3.75.

Your New Era Cow Peas made as fine a crop as I ever saw. The cattle were fond of them both as green fodder and dry and would leave corn when they could get the cow peas. They were very early, yielded an immense crop; you cannot say too much about them. —J. E. Browne, Polk Co., Iowa.

GIANT CUZCO CORN.

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

DON'T FAIL TO TRY OUR NEW GOLDEN WEST CORN.

CLOVER AND GRASS SEEDS.

For many years we have made this a specialty, and we now have electric machinery for cleaning seeds 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. 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

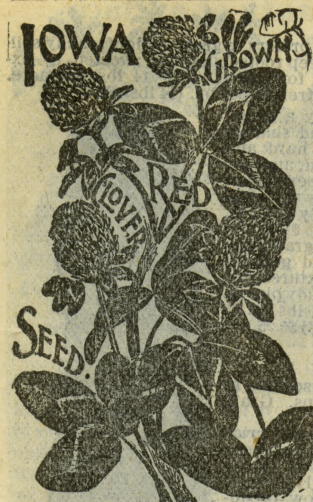
On clover and grass seeds are changing almost daily, so that we are unable to quote prices which will be invariable. *Don't fail to write for prices before buying.* We issue a price list each week from January till June. If you are in a hurry for seed you can order it and we will send seed to full value money sent on day order is received. The following are the prices we are selling at on the date this catalogue goes to press (Dec. 20, 1903). We prepay postage at the 1 and 3 pound rate. Larger quantities shipped at purchaser's expense. Trial packets of any variety at 5c each. Grain bags 15c 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. It pays to have the best. Sow 15 lbs. per acre. Per lb. 30c, 3 lbs. 80c postpaid. Per pk. \$1.80, bu. (60 lbs.) \$7.30 Bags extra, 15c each.

MEDIUM RED CLOVER.—Second Grade.—Useful for thickening pastures, etc. We list this for our customers who want a cheaper grade, and while we do not claim that it is equal to our best, it is as good as much of the seed furnished by other dealers. Country merchants frequently buy this grade because they can make a larger profit on it. Per bu. \$6.00.

SWEET CLOVER.—(*Melilotis Alba* or *Bokhara*).—A tall, shrubby plant, bearing innumerable small white flowers and very valuable for bees. Sow 10 lbs. per acre. Per lb. 40c, 3 lbs. \$1.10. By freight, 5 lbs. or more @ 25c.

WHITE DUTCH CLOVER.—Largely used 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. Choicest quality: 1 lb. 45c, 3 lbs. \$1.25 postpaid; by frt. pk. \$3.50, bu. 60lbs. \$12.50.



MAMMOTH RED CLOVER.—Also called Sapling or Pea Vine Clover. This greatly resembles the Medium Red, but is of much taller, 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. It is the clover for poor soils. Sow 15 lbs. per acre. Per lb. 30c, 3 lbs. 80c, postpaid. Per pk. \$1.90, bu. (60 lbs.) \$7.65.

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. Winter kills in this latitude. Per lb. 25c, 3 lbs. 65c. Per pk. \$1.40, bu. \$5.00.

SERADELLA.—When traveling in Germany we found that Seradella was the most profitable of all plants grown there, and almost everybody grows it for hay. It has proved of great value here, being considered fully equal to red clover in nutritive qualities and yields a much larger crop. Cattle are very fond of it as hay, green fodder or for pasture. It makes a dense, thick, rapid growth, covering the ground completely and choking out all weeds. Sow early in spring alone or with wheat or other grain. Progressive farmers should give it a trial this year. It is not a perennial. Pkt. 5c, lb. 80c, 3 lbs. 80c postpaid. By freight 10 lbs. or more @ 10c. Bushel of 45 lbs. (will sow 3 acres) \$4.00.



SERADELLA.

BROMUS INERMIS.—This new grass has been very highly recommended by the U. S. Agricultural Department and 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. Best grade per lb. 30c, 3 lbs. 75c postpaid; by freight, per bu. (14 lbs.) \$2.00, 5 bu. or more @ \$1.75.

ORCHARD GRASS.—A most valuable grass for pasture or hay land, and because 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. It is well suited to shady places such as orchards and groves. Will grow on almost any kind of land, but gives best results on deep, rich, sandy loam or clay soils. Sow 14 lbs per acre. Per lb. 35c, 3 lbs. \$1.00 prepaid. By freight per bu. (14 lbs.) \$2.25, 5 bu. @ \$2.10.

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. We are located in the best section of the country for growing Timothy seed and more of it is grown in Iowa than in any part of the world. Our seed is extra nice. Sow 11 lbs. per acre. Per lb. 20c, 3 lbs. 50c, postpaid. By freight, per bu. (45 lbs.) \$1.60. Bags 15c each, extra. Ask for latest price in quantity.

WATER or FLOATING MEADOW GRASS.—An invaluable grass for wet soils or marshes and lands which occasionally overflow. Per lb. 40c, 3 lbs. \$1.10, postpaid. By freight, per bu. (14 lbs.) \$4.25.

SEE FOLLOWING PAGE FOR REMAINDER OF GRASS SEED LIST.

The clover and grass seed bought of your firm is O. K. I secured a splendid stand of grass.—*Alois Nolte, Kansas.*

The grass and clover seeds purchased of you were satisfactory. They were clean and free from all foul seeds, and I secured a fine stand.—*Sam Schoenherr, Illinois.*

BAGS FURNISHED FREE WITH ALL SEEDS EXCEPT CLOVER, TIMOTHY AND MILLET.

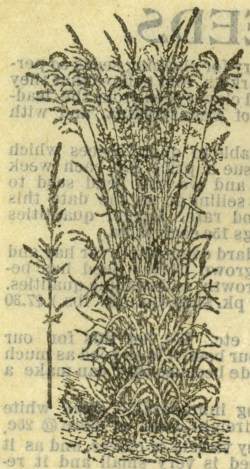


ORCHARD GRASS.



BROMUS INERMIS

GRASS SEEDS. ==Continued.



TALL MEADOW OAT GRASS.—For either hay or a permanent pasture a most valuable grass which can be successfully grown in all parts of the country. It is considered a desirable kind for all grass mixtures. Per lb. 35c, 3 lbs. \$1.00 postpaid. By freight, bu. (14 lbs.) \$3.00.

CREeping BENT GRASS.—A valued sward for holding sloping ground or terraces together, as its roots form a compact mass. Sow 15 lbs. per acre. Per lb. 35c, 3 lbs. \$1.00 postpaid. By freight, bu. (14 lbs.) \$2.50.

RED TOP.—A very hardy native perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to quite dry situations, and stands our hot climate admirably. It is perhaps the most permanent grass we have. Fancy cleaned seed. Per lb. 30c, 3 lbs. 75c postpaid. By freight, per bu. (14 lbs.) \$1.40, 5 bu. or more @ \$1.30.

PRIME RED TOP.—Or chaff seed. Per bu. 75c, 5 bu. or more @ 50c.

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 drought. Is suited to a great variety of soils, succeeding best on moist, rich land. 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, 5 bu. @ \$1.60.

MEADOW FOX TAIL.—A fine grass for permanent pastures, and should be sown in place of timothy in mixtures with clover and other grasses. Sow 14 lbs. per acre. Per lb. 45c, 3 lbs. \$1.25 postpaid. By freight, bu. (14 lbs.) \$3.75, 5 bu. @ \$3.50.

PERENNIAL RYE GRASS.—(Or *English Rye Grass*)—A nutritious permanent grass for meadows and pasture, or for mixing with other grasses for lawns. Sow 80 lbs. per acre. Per lb. 2c, 3 lbs. 60c postpaid. By freight, per bu. (14 lbs.) \$1.20, 5 bu. @ \$1.00.

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 hardy, never grows in tufts, and being tender and succulent, makes excellent hay. Lb. 30c, 3 lbs. 75c postpaid. By freight bu. (14 lbs.) \$1.50, 5 bu. @ \$1.35.

BERMUDA GRASS.—The most valuable grass for the southern states as it withstands heat and drought wonderfully well. Is valuable for hay and pasture and unsurpassed for lawns in the south, as it runs over the ground forming a dense turf. Sow 8 lbs. per acre. Lb. \$1.25, 3 lbs. \$3.00 prepaid, 5 lbs. not prepaid @ 55c per lb.

ITALIAN RYE GRASS.—An annual variety which can be depended on to give a large crop the first year. Sow 20 lbs. per acre. Per lb. 30c, 3 lbs. 75c postpaid. By freight per bu. (14 lbs.) \$1.20, 5 bu. @ \$1.00.

MEADOW SOFT GRASS.—Also known as "Honey Grass," "Velvet Grass," and "Velvet Mesquite Grass." Although not of high feeding value, it is very valuable for low, soft, spongy places. Per lb. 35c, 3 lbs. \$1.00 postpaid. By freight, per bu. (14 lbs.) \$2.50.

PERMANENT GRASS MIXTURES.

After many years of study and numerous experiments we have carefully prepared the following mixtures, which we believe for their various purposes have no equals. They are carefully prepared under the personal attention of an experienced agrostologist.

PERMANENT MEADOW MIXTURES.

Will make the best quality of 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 Dogtail and Bromus Grass.

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.

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. Sow 15 lbs. per acre. 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, 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.

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.

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. Sow 14 lbs. per acre. Per lb. 35c, 3 lbs. \$1.00 postpaid. By freight per bu. (14 lbs.) \$2.00.

HARD FESCUE.—Is emphatically a grass for dry lands, doing well on sandy and shallow silicious soils. It is exceedingly hard 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 bu. (14 lbs.) \$2.00, 5 bu. or more @ \$1.75.

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. Sow 20 lbs. per acre. Per lb. 60c, 3 lbs. \$1.25 postpaid. By freight, per bu. (14 lbs.) \$5.25.

MILLETS.

There is nothing like millet for sowing to cover up shortages in your hay crops. Grain bags 150 each extra.

JAPANESE MILLET.—(*Panicum crus-galli*)—A distinct new variety which has been called by one seedsman the "Billion Dollar Grass" owing to its high value. Especially valuable for the northern states. Sow 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. (50 lbs.) \$2.25.

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. Sow one bushel to the acre. Per lb. 20c, 3 lbs. 50c postpaid. By freight, bu. (50 lbs.) \$1.00. Second grade, northern grown, not as pure or clean, bu. 85c.

COMMON MILLET.—Best quality. Per bu. (50 lbs.) \$1.10.

HUNGARIAN. Popular in some sections. Hay is of better quality than millet hay. Per bu. (50 lbs.) \$1.35.

NEW SIBERIAN MILLET.—Per lb. 20c, 3 lbs. 50c. Bu. (50 lbs.) \$1.15.

MANITOBA MILLET.—Also called Hog or Broomcorn Millet. Per lb. 20c, 3 lbs. 50c. Bu. (50 lbs.) \$1.50.

PEARL MILLET.—An immense fodder yielder, 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,) \$1.25, 25 lbs. \$2.50, 100 lbs. \$10.50.

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.

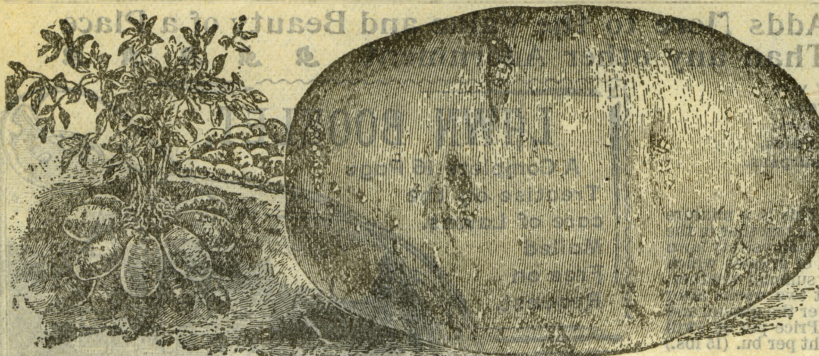
Any of the above Permanent Pasture Mixtures per lb. 30c, 3 lbs. 75c postpaid. By freight, 20 lbs. \$2.25, 50 lbs. \$5.00, 100 lbs. \$9.50.

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 one 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.

Your Clover Grass Mixture did splendidly. Never before have I had such a good stand of grass on my pastures.—*Ernst Neehler, Battle Creek, Iowa.*

AN EXPERIENCED AGROSTOLOGIST WILL PREPARE SPECIAL MIXTURES FOR SPECIAL SOILS AND PURPOSES.



EXTRA EARLY OHIO. (GROWN IN RED RIVER VALLEY.)

EARLY WHITE OHIO.—There is a great demand now in many markets for a white potato, and even the good old standard, Early Ohio has to suffer because of the color of its skin. Here we have, however, a genuine Early Ohio identical with the old variety in every way except with the improved color. It is of quick, vigorous growth, making many tubers which are compact in the hill, and has produced a crop of 2,500 bushels on five acres in this state. Per pk. 65c, bu. \$1.75, bbl. \$4.25.

BLISS TRIUMPH. The earliest potato in existence, equalled only by our new Early White Triumph. 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. Per pk. 65c, bu. \$1.75, bbl. \$4.25.

EARLY BEAUTY OF HEBRON.—A standard early sort, and also largely grown for main crop. Per pk. 65c, bu. \$1.75, bbl. \$4.25.

ROSE OF THE NORTH.—For many years the Early Rose was considered the best variety both for early and main crop, but as new sorts were brought forward it received less attention and gradually deteriorated both in quality and yield. Certain parties located on the virgin soil of the far north have been at work on it and by continued selection and favorable soil and climate we now have this superb variety which to distinguish we call the Rose of the North. Matures early, yields enormous quantities of large, smooth potatoes which are of a handsome rose color. Is considered one of the best keepers and sells well on any market. Per pk. 65c, bu. \$1.75, bbl. \$4.00.

SIR WALTER RALEIGH.—Of this grand variety the introducers say: "In most respects it closely resembles Rural 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. It invariably yields big crops and the potatoes will always sell.

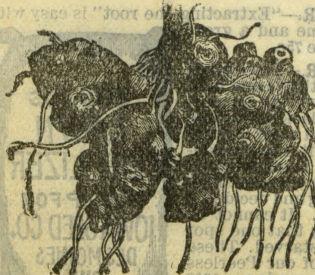
Per pk. 65c, bu. \$1.50, bbl. \$3.75.

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. You will be pleased with this planter, as it is giving complete satisfaction wherever it has been introduced. Price \$1.25.

MAMMOTH WHITE ARTICHOKE.

The greatest hog food known. These are attracting much attention on account of their great fattening qualities, great productiveness 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 20 to 30 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 preventive of hog cholera and other diseases and they are also highly recommended for milch cows. Three to five bushels will seed an acre, and they may be planted whole or cut the same as potatoes. 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 forming. lb. 25c, 3 lbs. 6c, prepaid by freight or express, pk. 40c, bu. \$1.00, bbl. \$2.50.



USE OUR EUREKA POTATO PLANTER FOR SMALL FIELDS. PRICE \$1.25.

SEED POTATOES.

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.

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—the most popular of all. They are all of good average size, strictly pure, smooth and free from scab or rot, and outyield other early sorts greatly. 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. Per pk. 60c, bu. \$1.50, bbl. \$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. Per pk. 60c, bu. \$1.25, bbl. \$3.25.

CARMAN NO. 3.—This handsome main crop potato is of large size, yielding immense crops. Tubers of uniform size and shape, averaging nearly 1 lb. 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. Per pk. 60c, bu. \$1.25, bbl. \$3.25.

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 drought resister. There is no other potato of more handsome appearance than the Rural New Yorker. Although it is a large yielder, it grows but few and small vines. It is very hardy and will stand the heaviest manuring without getting scabby or spotted. Per pk. 50c, bu. \$1.25, bbl. \$3.25.

HYBRIDIZED POTATO SEED.—Potato seed from the flower bell (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 the time to attend same. The result is interesting and often very profitable, as you are just as apt to obtain a choice new variety as an experienced potato specialist. Pkt. 10c, 3 for 25c.

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 gems. Each 35c postpaid.

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 12th to grow sweet potato plants, free.

NEW GOLD COIN VINELESS.—Instead of having long running vines like all other sorts it is of dwarf, bush-like growth, leaves are large 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 in color, dry, sweet, and of best quality. Per pk. 75c, bu. \$1.25, bbl. \$3.00.

RED JERSEY.—Similar in shape to our Early Yellow Jersey, but dark red color. The quality is excellent and it is without doubt the best of the red varieties. Per pk. 75c, bu. \$2.00, bbl. \$4.50.

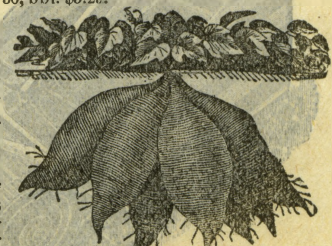
EARLY YELLOW JERSEY.—The earliest and most productive; of large short, chunky shape and of very best quality. It will probably always remain the most popular market sort. Per pk. 50c, bu. \$1.50, bbl. \$3.25.

YELLOW NANSEMOND.—Like the above but averaging longer and not so chunky. Per pk. 50c, bu. \$1.50, bbl. \$3.25.

WHITE SOUTHERN QUEEN.—These are the large "yams" which are so popular in the south. Even the seed potatoes are of monster size, often weighing several pounds each. Per pk. 75c, bu. \$2.00, bbl. \$4.25.

Any of the above varieties by mail, post paid at 35c per lb., 3 lbs. \$1.00. Ask for price in quantity.

I raised fifty-nine and one-half pounds of Bliss' Triumph potatoes from the one pound of seed I purchased from you last spring.—Ed Bird, Pennsboro, Missouri.



YELLOW JERSEY.

A NICE LAWN Adds More to the Value and Beauty of a Place Than any other Adornment

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.

LAWN GRASS.

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. Price per qt. (will sow 300 square feet), 25c, 4 qts. 8 c, postpaid; by freight per bu. (15 lbs.) \$2.75, 50 lbs. \$8.00, 100 lbs. (will sow one acre) \$15.00.

TERRACE LAWN MIXTURE.—It is difficult to get a good sod on sloping ground. 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. 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. Lb. 30c, 3 lbs. 75c, postpaid; by freight, bu. (14 lbs.) \$1.75.

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 frt. bu. (15 lbs.) \$4.00.

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 season. Qt. 30c, 3 qts. 75c, postpaid; by freight, bu. (15 lbs.) \$3.00.

PUTTING-GREEN MIXTURE.—A mixture of extra fine grasses that makes a lasting turf. Qt. 50c, 3 qts. \$1.25, postpaid; by frt. bu. (14 lbs.) \$4.00.

WHITE CLOVER.—The well known common white clover is very hardy. Lb. 45c, 3 lbs. \$1.25, postpaid; by freight, peck \$4.00, bu. (60 lbs.) \$15.00.

SOUTHLAND MIXTURE.—Mixture southern Blue grass, Bermuda grass and other varieties adapted to hot climates. Qt. 40c, 3 qts. \$1.10, postpaid.

SWEET VERNAL.—A very fragrant grass. Sown with other kinds it exhales a pleasant aroma when the lawn is cut. Lb. 35c, 3 lbs. 85c, postpaid.

LAWN SUPPLIES.

All of the Best Quality.

NEW BALL BEARING CONQUEROR LAWN MOWER.—We offer our customers by far the best mower ever put on the market. The wheels are 9 inches in diameter, with skeleton rims. 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 easily as a bicycle. As will be noticed the handles are a new style made specially for us. If desired we can furnish mowers with the ordinary handles at 50c less. The mowers are warranted and we are sure will please the most particular. Price for mower cutting 14-inch swath, \$6.50; 15-in., \$7.00; 20-in. for large lawns, \$7.75.

TURF EDGER.—For trimming borders of walks, drives, etc., to make a square edge. Price 50c each.

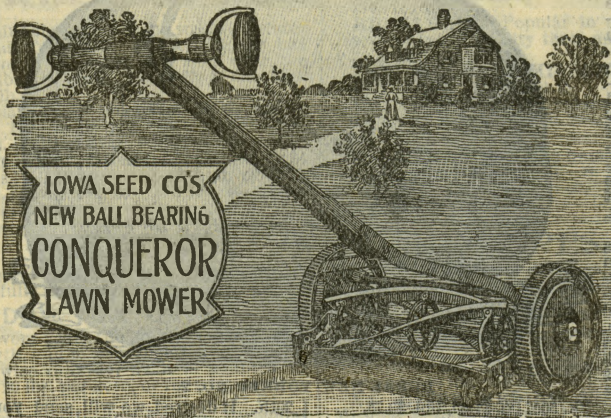
EXCELSIOR HORSE LAWN MOWERS.—The best make, 30-inch cut, \$80.00; 35-inch cut, \$95.00; 40-inch, \$120.

PERFECTION HORSE LAWN MOWERS.—A much cheaper pattern; 30-inch cut, \$22.00.

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 1/2 inches. Price for mower cutting 12-in. swath, \$2.75; 14-inch, \$3.25; 16-inch, \$3.75.

GRASS CATCHERS.—The most successful device yet brought out for the purpose. It is easily attached to any kind of lawn mower we know of, and as it fastens to the handle only, it does not in any way interfere with the action of the mower. Cut shows it adjusted ready for use. No. 1, suitable for the 12, 14 and 16 inch mowers. Price 65c; No. 2, for 16 to 20 inch, 90c.

Iowa Clipper
Lawn Mower and
Grass Catcher.



IOWA SEED CO'S
NEW BALL BEARING
CONQUEROR
LAWN MOWER



LAWN SUPPLIES.

SAMPSON RUBBER HOSE.—A high grade, 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 1/2-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 85 cents.

MAGIC NOZZLE.—Sprays or will throw solid stream. Price 50c each.

PRESTON LAWN SPRINKLER.—The whirling arms give a beautiful fountain-like appearance and fine spray. The sled arrangement on which it rests makes it easy to move from place to place. Each \$1.35.

FINLAY ROTARY LAWN RAKE.—It does the work of raking and gathering up all loose grass, leaves, twigs and loose litter. Price \$12.00.

IRON RESERVOIR VASES.—These do not require watering often than once in ten days. 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. Package 75c, by express.

ANT EXTERMINATOR.—Pkg. 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, superior qual. 40c.

DANDELION PULLER.—Of special value for use on lawns; 50c each.

SELF CLEANING LAWN RAKE.—Best cheap device for raking the lawn. An automatic self cleaner, keeping the teeth clear. Price 75c each.

IMPROVED GRASS SHEARS.—An improvement on the ordinary grass or sheep shears. Each 50c.

CLEVELAND LAWN WEEDER.—"Extracting the root" is easy with this little too' and its use saves time and a great amount of back aching work. Price 75c.

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 very 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. These objections are obviated by the use of our Peerless Lawn Dressing. Sow from 10 to 30 pounds per 1000 square feet surface. Price per 10 lb. pkg. 60c; 25 lb. pkg. \$1.00, 50 lb. pkg. \$1.85, 100 lbs. \$3.50, 400 lbs. \$12.

200 lbs
LAWN
FERTILIZER
PUT UP FOR
IOWA SEED CO.
DES MOINES
IOWA

IF YOU WANT BEST PERMANENT IMPROVEMENTS PLANT SOME HARDY ROSES AND FLOWERING SHRUBS.

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. Fifty or more of any variety at the 100 rate. Orders for nursery stock must amount to at least 50c. Special prices on large orders. Send 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. 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. Each 2c, doz. \$1.25 prepaid; by express not prepaid, per 100 \$2.50.

CONRATH—Resembles the Gregg in many ways, but is much earlier, better quality and hardier. Each 15c, doz. \$1.00 prepaid; by express per 100 \$2.25.

GREGG—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. Each 15c, doz. \$1.00 prepaid; by express per 100 \$2.25.

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 35c; per doz. \$3.50 postpaid. By express per 100 \$15.00.

MOORE'S EARLY—A very desirable early market black variety. Each 25c, per doz. \$1.75 prepaid. By express per 100 \$5.00.

WORDEN—A large grape of the Concord type. Each 25c; per doz. \$1.50 postpaid. By express, per 100 \$4.25.

CONCORD—The well known standard black variety. Each 20c; per doz. \$1.50 postpaid. By express, per 100 \$4.00.

AGAWAM—Berries very large, bright red. Each 25c, per doz. \$1.50 postpaid. By express, per 100 \$4.50.

BRIGHTON—Berries medium size, red, excellent flavor. Each 25c; per doz. \$1.50. By express, per 100 \$4.50.

LUCILE—A beautiful bright red grape. Each 10c; per doz. \$4.00 prepaid.

NIAGARA—Bunch and berries large, green or white, changing to pale yellow when fully ripe. Each 25c; per doz. \$1.75 postpaid. By express, per 100 \$5.00.

PLUMS.

Strong, well grown trees.

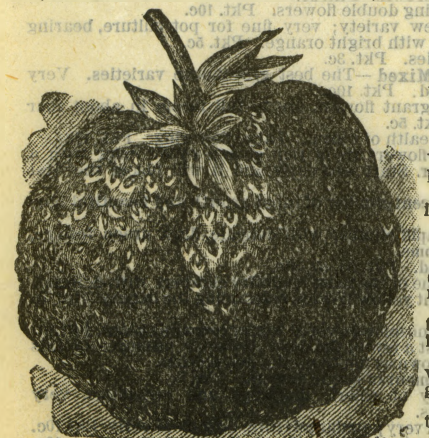
Purchaser to pay freight or express charges.

ABUNDANCE—It is large, showy and beautiful; amber turning to a rich, bright cherry color with a decided white bloom. Each 60c, doz. \$6.00.

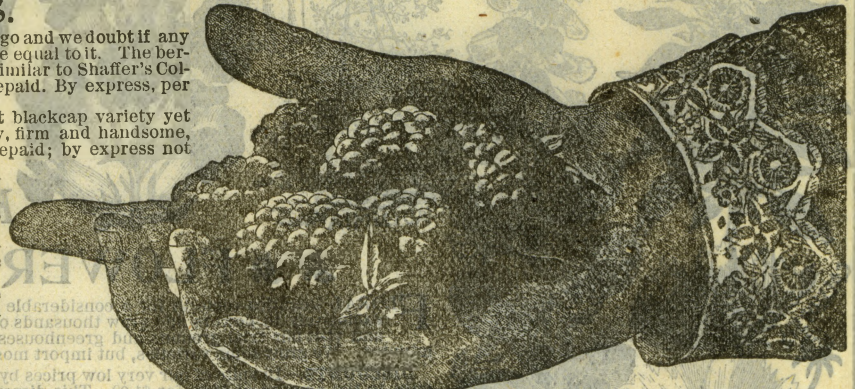
BURBANK—Color clear cherry red with a thin lilac bloom. Each 50c, doz. \$4.50.

LOMBARD—Each 50c, doz. \$4.50.

AMERICAN VARIETIES—Forest Garden.—Large, mottled red and yellow. Wolf.—Very large, freestone, excellent quality, hardy and productive, late. Weaver.—Flesh firm, red, juicy, freestone, early bearer and very productive. Wild Goose.—Tree strong grower and very prolific, season medium. Price for all the above, each 50c; doz. \$4.50, not prepaid.



ROUGH RIDER.



REDFIELD RASPBERRY.



CAMPBELL'S EARLY.

CHERRIES.

Price each 60c; per dozen \$5.00. Purchaser to pay express or freight charges.

EARLY RICHMOND—Medium size, dark red, juicy acid flavor. Montmorency.—A large red acid cherry, larger than the Early Richmond and about ten days later. Wragg.—A large late acid variety, dark purple. English Morello.—Medium dark red, rich and juicy, late.

CURRENTS.

POMONA—A vigorous red currant, ripens early, but remains on the bush longer than any other sort. Each 20c, doz. \$1.75 prepaid.

FAY'S PROLIFIC—One of the most prolific and of excellent quality. Each 15c, doz. \$1.25 prepaid.

WHITE GRAPE, RED DUTCH AND VICTORIA—Each 15c, doz. \$1.00 prepaid.

APPLES.

Price 35c each; \$2.75 per dozen. Purchaser to pay transportation charges. Ask for prices by the hundred.

SUMMER VARIETIES.

RED ASTRACHAN—Large, beautiful, deep crimson. Red June.—Medium, of excellent quality.

AUTUMN VARIETIES.

AUTUMN STRAWBERRY—Tender, juicy, productive. Duchess.—Good size, yellow streaked, rich, juicy, productive. Maidens.

WINTER VARIETIES.

WINESAP—Medium, deep red, firm, crisp; one of the standard varieties.

Wealthy—Large, red, showy, sub-acid and productive. Ben Davis.—Large, handsome, standard western variety for market. Jonathan.—Medium, red, extra quality.

CRAB APPLES.

TRANSCENDENT—Medium size, golden yellow, rich, crimson red cheek, hardy, abundant bearer.

WHITNEY NO. 20—Red striped. Fruit of medium size. Flesh firm and juicy. Early. Price, any of above, 35c; doz. \$2.75, by express or freight, at purchaser's expense. Ask for prices by the hundred.

BLACKBERRIES.

ERIE—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.

EARLY HARVEST—This is one of the earliest blackberries yet introduced. Each 15c, doz. \$1.00 prepaid; by express per 100 \$2.25.

STRAWBERRIES.

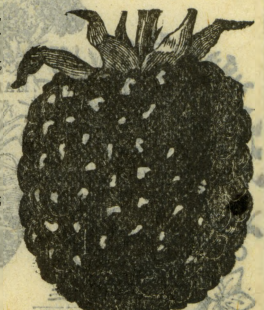
Perfect flowered varieties are marked (s); the imperfect, marked (p), must have perfect flowered sorts planted with them or they will not fruit. Ask for low prices by the thousand.

ROUGH RIDER (s)—One of the newer varieties, and has proved to be one of the most vigorous growing and productive varieties yet introduced. Per doz. 50c; per 100 \$2.25 postpaid. By exp. per 100 \$1.75.

SAMPLE (p)—It is claimed that this is the most productive of any variety yet introduced with an imperfect bloom. Large size, fine shape, good quality. Per doz. 50c; per 100 \$2.00 postpaid. By exp. per 100 \$1.75.

SENATOR DUNLAP (s)—A medium sized variety of the Warfield type. Per doz. 50c; per 100 \$1.75 postpaid. By express per 100 \$1.50.

WARFIELD (p)—Per doz. 30c; per 100 \$1.00 postpaid. By express per 100 75c.



ERIE BLACKBERRY.

"AYE, KEEP PLANTIN' A TREE, JOCK; IT'LL BE GROWIN' WHILE YOU'RE A-SLEEPIN'."



FLOWER SEEDS.

FLORAL Beauties come in for a considerable share of our attention, we devote twelve acres exclusively to flowers and grow thousands of varieties. When you visit Des Moines be sure and visit our trial grounds and greenhouses; street cars within three blocks run every six minutes. We grow some varieties, but import most of the fancy sorts from Europe.

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.

ARCTOTIS GRANDIS.—A remarkably handsome annual which forms nice, branched bushes two to three feet high. Its flowers are large and showy; the ray florets pure white on the upper surface; the reverse of petals pale lilac blue. Altogether a lovely flower. 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. Blooms very freely. Earlier bloomer than the Scarlet Runner. Pkt. 5c, 4 pt. 20c.

ABUTILON.—A well known greenhouse shrub, also called Flowering Maple or Chinese Bell Flower. Are of easy culture; bloom readily from seed the first summer if the seed is started early in the house. Finest varieties mixed. Pkt. 10c.

AMARANTHUS, Tricolor.—Leaves yellow, red and green; well known as "Joseph's Coat." Very showy in beds alone. Hardy annual; two feet high. Pkt. 3c.

Sunrise.—The most brilliant and showy variety. Top of plant brilliant crimson, lower leaves dark maroon. Worthy a place in every garden. Pkt. 10c.

Caudatus. (Love Lies Bleeding.)—Long, drooping chains of brilliant flowers. Pkt. 3c. Mixed Varieties.—A great assortment. Pkt. 5c.

ASPERULA AZUREA SETOSA.—Produces many small, light blue flowers. Pkt. 1c.

AMOBIMUM-ALATUM GRANDIFLORUM.—A pretty double white everlasting. Pkt. 4c.

ARABIS ALPINA.—Pure white early flowering plants. Perennial. Pkt. 10c.

ADLUMIA. (Mountain Fringe.)—A beautiful hardy perennial vine, with fern-like foliage of a pale green color, with pretty flesh colored blossoms; called Allegheny Vine. Pkt. 7c.

ANTIERRHINUM. (Snapdragon.)—Our mixtures contain all the new and choice colors, including the beautiful, striped, variegated and margined.

Tall Varieties Mixed.—Pkt. 3c.

Tom Thumb.—A collection of the most beautiful, very dwarf varieties. Pkt. 5c.

Giant Flowered.—A most beautiful new class, having all finest colors and markings. Immense spikes and flowers. Pkt. 10c.

AQUILEGIA. (Columbine) CHRYSANTHA.—Yellow flowered. Pkt. 5c. **COERULA.**—Large blue and white flowers. Pkt. 5c. **WHITE.**—Desirable for cemetery. Pkt. 10c. **DOUBLE MIXED.**—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.

Rex.—The king of Begonias and will always be very elegant and popular. Pkt. 15c.

Tuberous Rooted.—Covered the whole summer with bright large and elegant flowers. Single and double mixed. Pkt. 15c.

BRACHYCOMME.—Pretty for borders. Blue and white. Mixed. Pkt. 5c.

BYRONOPSIS.—A hardy climbing annual, with pice ivy-like foliage. Pkt. 5c.

CANTERBURY BELLS.—Single and double, mixed colors. Pkt. 5c.

CUPHEA-PLATYCENTRA. (Cigar Plant.)—Pretty, bright scarlet flowers. Pkt. 10c.

CALLIOPSIS OR COREOPSIS.—Mixed Colors. Flowers of every shade of yellow, orange, crimson, red and brown. Pkt. 5c.

Double.—A grand novelty, bearing double flowers. Pkt. 10c.

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

Fine Mixed.—Many nice varieties. Pkt. 3c.

CARNATION.—Double Extra Mixed. The best greenhouse varieties. Very fragrant. Our seed is unsurpassed. Pkt. 10c.

Marguerite.—These lovely, fragrant flowers are in full bloom in about four months after sowing the seed. Pkt. 5c.

CINERARIA.—A wonder for wealth of bloom. Large flowering. Pkt. 15c.

CROTOIARIA.—Retusa. The flowers are of rich golden yellow color with a spot of velvety brown in the center. Start seed early and it will bloom the first year. Pkt. 10c.

COBEA SCANDENS.—Magnificent climber of rapid growth and beautiful blue flowers. Pkt. 10c.

CYRESS VINE.—A beautiful rapid climber with delicate, dark green foliage, and an abundance of bright blossoms.

Mixed Colors.—The above mixed. Pkt. 5c, oz. 30c.

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

CYCLAMEN PERSICUM.—A handsome flowered winter blooming plant. Pkt. 10.

CHRYSANTHEMUMS.—We list a few of the most desirable mixtures of this popular plant, which is so well known as not to need a description.

Single Mixed.—The best assortment of single flowers. Pkt. 3c.

New Double Annual. A variety of colors, markings and pencilings, very double and semi-double. Pkt. 5c.

Perennial.—DOUBLE MIXED.—A very popular mixture. Sow seeds early. Pkt. 10c.

CURIOUS CACTI.—This seed is collected from the choicest varieties. Pkt. 10c.

CLARKIA.—A very pretty hardy annual. Mixed colors. Pkt. 3c.

CANDY TUFT, Giant Empress.—The plant is of very branching habit and when grown is covered with pure white flowers and resembles a floral candelabra. Pkt. 7c.

Best Mixed.—Mixture of all varieties and colors. Pkt. 3c, oz. 40c.

COSMOS, Mammoth Perfection.—Flowers double the size of the old large flowering cosmos. Pkt. 7c.

Early Dawn Mixed.—Two months earlier than any other variety. Pkt. 10c.

All Colors Mixed.—Pkt. 5c.

CELOSIA, Giant Empress.—It is not uncommon for heads to measure over 12 inches in breadth; very bright reddish purple combs and dark bronze foliage. Pkt. 10c.

Golden Glow.—Plants large and produce many handsome flowers 6 to 10 inches in diameter, rich golden yellow color. Pkt. 10c.

Mixed Varieties.—Includes both the Cockscorn and feathered sorts. Pkt. 3c.

CLITORIA, Ternatea.—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.

DELPHINIUM.—(Perennial Larkspur.) Mixed. Pkt. 5c.

DOLICHOS, or Hyacinth Bean.—Desirable climbing plant; mixed colors. Pkt. 5c.

DAHLIAS, Double Mixed.—Our seed is of the finest strain and produces magnificent, large, very double flowers. Pkt. 7c.

New Tom Thumb.—Very pretty little plants, only 12 to 15 inches high. Pkt. 7c.

Single Mixed.—Pkt. 5c.

ESCHSCHOLTZIA, Single Mixed.—California poppies. Showy summer flowering plants. Mixed colors. Pkt. 4c.

Double Mixed.—The double form of this flower will prove very satisfactory. Pkt. 5c.

Golden West.—A giant flower from 3½ to 6 inches across, with wide overlapping petals often delicately waved at the edge. Pkt. 10c.

FERNES.—Fine mixed varieties. Pkt. 15c.

FEVERFEW.—Handsome double white flowers. Pkt. 15c.

FOUNTAIN PLANT.—This handsome pyramidal or fountain-shaped plant is a variety of amaranthus which deserves a place in every garden. 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.

FUCHSIA.—Fine plants can easily be raised from the seed, which will bloom very 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.

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

GERANIUM, Choice Mixed.—These favorite plants are easily raised from seed. Plants from seed started early in the house will bloom the first summer in the garden. The seeds come up irregularly; some come up in a few days and others later. Pkt. 6c.

Good Venture.—A greatly improved strain of geranium seed grown by a specialist, which we are sure will delight any one. Pkt. 15c.

GOURDS, Ornamental Varieties Mixed.—A great variety of these curious fruited climbers. Pkt. 5c, oz. 25c.

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. 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. Pkt. 5c.

HOLLYHOCK, Fine Mixed.—No garden flower is more showy or admired. Start seeds in a box in house in February or March, and about May 1st transfer to permanent place in garden. Mixed colors. Pkt. 5c.

Double Pure White.—Large, clear, pure white flowers about 3 inches in diameter. Handsome in cut flower work. Pkt. 10c.

Chater's Prize Double Mixed.—Has magnificent double flowers 3 to 4 inches across and all of brightest colors. Flowers are quite as beautiful and perfect as those of the Camellia. A mixture of seventeen choice varieties, including all colors and shades known. Pkt. 10c.

Allegheny Mammoth Fringed.—Entirely new and distinct variety. Flowers single, semi-double and double, of rich colors and fine form. Pkt. 7c.

HELIOTROPE, Fine Mixed.—Sited for beds or borders, where they will bloom in summer, and may be potted and cut back for winter blooming. Saved from choice plants. Pkt. 5c.

New Mammoth.—Grand new variety, producing immense clusters of flowers. Pkt. 10c.

ICE PLANT.—Leaves and stems appear covered with ice crystals. Pkt. 5c.

I was much pleased with both the flower seeds and plants received from you.—Mrs. S. R. Curry, Duncan, Mo.

I was more than pleased with the seeds received from you last year. They produced many pretty flowers.—Miss L. Moore, Garland, Texas.

ASTERS.

GIANT COMET MIXED.—In its peculiarity of shape this new variety differs from all others, resembling closely the large flowered Japanese Chrysanthemums. The flowers are from 3½ to 4½ inches in diameter and perfectly double. Packet 10c.

CHRISTMAS TREE.—One of the most popular European novelties; of pyramidal shape, usually covered with from seventy to one hundred flowers; mixed colors. Pkt. 10c.

HOENZOLLERN.—A grand new pure white variety from Germany. Plant is of bushy habit; nice for beds. Packet 10c.

PERENNIAL MIXED.—Single flowering, hardy, herbaceous plants; if sown early in the spring they will flower first season. Packet 5c.

ROYAL MIXED.—A choice selection of all the best sorts; no second grades. Pkt. 10c.

ALL KINDS MIXED. Packet 5c.

AGERATUM.

MEXICANUM.—Desirable for bouquets; produces many blue flowers and blooms a long time. Per packet 4c.

ALBIFLORUM.—Like above, only white. Per packet 8c.

ALYSSUM.

SWEET.—Has pretty little white flowers, useful for making up in all kinds of small bouquets. Per packet 3c.

LITTLE GEM.—The plants are very dwarf and remarkably uniform in growth. Per packet 5c.

BALSAM.

CAMELIA-FLOWERED MIXED.—Is very double, resembling the camelia in form, of unusual size, perfect shape. Per packet 5c.

FEERLESS MIXED.—The flowers are double and of all known colors. Plants are loaded with hundreds of flowers. Per packet 10c.

ALL VARIETIES MIXED.—Per packet 4c; ounce 25c.

BIRD OF PARADISE FLOWER.

It is a rare plant and 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. Pkt. of 10 seeds 10c.

BLUE BELLS.

Who has not heard of the "Bonnie Blue Bells of Scotland," renowned in poetry? Perennial. Per packet 10c.

BROWALLIA.—Mammoth. — Grows about one foot high and is covered with an abundance of pretty sky-blue flowers. Per packet 10c.

CACALIA.—A handsome free flowering little plant; sometimes called Tassel Flower or Flora's Paint Brush. Scarlet. Per packet 5c.

CANNA.—Fancy Large Flowered. — This is a very large flowering strain of dwarf, compact growth, averaging 3½ feet in height. They flower freely the first year from seed. Per packet 5c; oz. 25c.

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. Per packet 3c.

CYANUS DOUBLE.—Flowers very large and globular. A continuous bloomer. Per packet 8c.

MARGUERITE.—The large flowers are of the purest white, deliciously scented. Per packet 10c.

GYMNOCARPA.—The foliage of this variety is finely cut and silvery. Per packet 5c.

CHINESE LANTERN PLANT.

OR GIANT SCARLET GROUND CHERRY.—A remarkable plant which grows to a height of 18 to 24 inches, of sturdy, upright growth, and is loaded with balloon-like husks 3 to 3½ inches in diameter. These husks are at first light green, gradually turning to bright yellow and then to the most intense orange scarlet. Pkt. 10c, strong plants 10c, 3 for 25c, doz. 75c.

DAISIES.

NEW GIANT SNOWBALL.—Has large double flowers of pure snow white color. Per packet 10c.

BEST DOUBLE MIXED.—Per packet 5c.

ELECTRIC LIGHT PLANT.

It is a sturdy, bushy plant growing to a height of about four feet and covered constantly with large spikes of flowers six to nine inches long which are pure white at base and ranging from rose to a bright red at apex. Makes one of the most showy, ornamental plants for clumps and massing. Packet 10c.

FOX GLOVE.

DIGITALIS.—Showy for backgrounds and borders and are very beautiful when planted among shrubs. Fine mixed colors. Per packet 3c.

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. This variety of roses grow only ten to fifteen 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 packet 10c.

GOLD AND SILVER FLOWER.

A novelty from New South Wales. The plants have long, narrow leaves, while the flowers resemble quilled asters, just the size of a silver dollar. The flowers are silvery white with a golden yellow center, intensely double and come in great profusion. The plant is literally covered with these flowers and they retain their beauty for years as the plant belongs to the *Immortelles* or *Everlasting* flowers. Grows very readily from seed. Per packet 25c.

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. Per packet 15c.

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.

Was brought here from the Holy Land, and is probably the same variety which sheltered the prophet. 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, 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. Pkt. of six seeds 10c; 3 pkts. 25c.

\$10.00 Prize.—We offer a cash prize of \$10.00 in gold for the longest gourd grown this year from this seed. Anyone purchasing direct from us may compete. Try to win this prize.

LARKSPUR.

AMERICAN BANNER.—It is the only flower we know of which combines the national colors—red, white and blue—in each flower. Plants are fairly loaded with long spikes of double flowers. Pkt. 10c.

DWARF GERMAN ROCKET.—Mixed colors. Per packet 5c.

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

MARIGOLD.

AFRICAN.—Double mixed. Per packet 3c.

DWARF FRENCH.—Double. Mixed colors. Per packet 3c.

ELDORADO.—Immense flowers, nine to fourteen inches around; double; primrose, lemon, orange and golden shades; 3 feet high. Packet 5c.

MARVEL OF PERU, MIRABILIS OR 4-O'CLOCK.

TOM THUMB MIXED.—Very handsome, compact dwarf, bushy plants. Per packet 5c.

MIXED COLORS AND VARIETIES.—Is always satisfactory. Per packet 3c.

MORNING GLORIES.

IMPROVED CLIMBING.—Pkt. 5c, oz. 20c, ¼ lb. 60c.

IMPERIAL JAPANESE.—Are rich and velvety. Pkt. 8c, oz. 25c.

NEW DOUBLE FLOWERING.—White Pkt. 10c.

FINE MIXED.—Mixture of old varieties. Pkt. 2c, oz. 10c, ¼ lb. 20c, lb. 60c.

MEXICAN BURNING BUSH.

One of the most ornamental border or hedge plants which has ever been brought out and is sure to attract great attention. It grows quickly from seed sown in the open ground. Early in the fall the ends of the shoots are thickly set with small, bright, scarlet flowers, the bushy plants resembling balls of fire. Per pkt. 10c.

MIGNONETTE.

SWEET SCENTED.—The delicious fragrance of the Mignonette makes it indispensable for bouquets and cutting. Pkt. 2c, oz. 15c.

MACHET.—Is of dwarf growth, the spikes of bloom often measure 12 inches long; flowers red. Pkt. 5c.

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, moon-like flowers from five to six inches in diameter. Pkt. of 10 seeds 7c.

BLUE FLOWERING.—(*Ipomoea Leali.*)—The color is exquisite, clear, satiny blue with well-defined crimson bars, very distinct. Pkt. 10c.

NICOTIANA.

AFFINIS.—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. 10c.

NIGELLA.—(*Love in the Mist.*)—Hardy annuals, about one foot in height, finely-cut leaves and handsome flowers. Blooms early. Pkt. 4c.



COMET ASTER.



MEXICAN BURNING BUSH.



NICOTIANA.



PHLOX

PHLOX DRUMMONDI.

FIREBALL.—Brilliant, dazzling, scarlet flowers. Pkt. 5c.
GRANDIFLORA ALBA.—Flowers large, pure white. Pkt. 5c.
STAR.—Flowers star-shaped, beautifully shaded. Pkt. 10c.
FRINGED MIXED.—The flowers are of the most velvety colors, handsomely fringed. Pkt. 7c.
GRANDIFLORA MIXED.—A large flowering strain including all colors and shades. Pkt. 8c.
MIXED VARIETIES.—Good colors. Pkt. 5c.

NASTURTIUM.

DWARF CHAMELEON.—The flowers are gorgeous in color, crimson, gold and bronze, bordered and flamed, changing in hue almost daily. Pkt. 5c, oz. 15c.

IMPERIAL MIXED.—Includes about 20 of the dwarf varieties; all shades and colors. Pkt. 5c, oz. 15c, ¼ lb. 50c.

CLOTH OF GOLD.—Foliage is of bright yellow color, flowers scarlet. Pkt. 5c, oz. 15c.

KING THEODORE.—Darkest color in Nasturtiums. Pkt. 5c, oz. 15c.

DWARF MIXED.—A nice mixture of colors. Pkt. 3c, oz. 10c, ¼ lb. 20c, lb. 60c.

TALL NASTURTIUMS.

CAPRICE.—A novelty with flowers of changeable colors. Pkt. 10c, oz. 35c.

MADAM GUNTER'S HYBRIDS.—For richness and variety of colors unequalled. Pkt. 5c, oz. 15c, ¼ lb. 35c.

TALL MIXED.—A good mixture of colors. Pkt. 3c, oz. 10c, ¼ lb. 20c.

PANSIES.

WINE SHADES.—There are 75 distinct varieties in this collection. Pkt. 20c.

NEW RAINBOW.—We have given it the name of new rainbow and consider it very appropriate owing to its beautiful iridescent colors. Pkt. of 100 seeds 25c.

INTERNATIONAL MIXED.—This mixture consists of a grand assortment from the world's leading growers. You should have the International Mixture. Pkt. 20c, ¼ oz. \$3.00, oz. \$10.00.

IMPERIAL GERMAN MIXED.—A choice mixture. Pkt. 10c, ¼ oz. \$1.01, oz. \$3.50.

LARGE FLOWERING MIXED.—Pkt. 7c, oz. \$2.75.

FINE MIXED.—Many good sorts. Pkt. 5c, oz. \$1.00.

PORTULACA.

SINGLE MIXED.—Large flowering, all colors mixed. Pkt. 3c.

DOUBLE MIXED.—Very handsome, double as a rose; all colors mixed. Pkt. 10c.

PETUNIA.

GRANDIFLORA MIXED.—Very large, elegant flowers, with the most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, bordered, marked and fringed. Pkt. of 200 seeds, 10c.

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.

FINE MIXED.—Best of older sorts carefully mixed. Contains some extra fine striped and blotched varieties. Pkt. 3c.

DIANTHUS PINKS.

FIREBALL.—Dwarf, large flowering, very double and of a rich, velvety blood-red color. Pkt. 10c.

SNOWBALL.—Flowers large, pure white, double and finely fringed. Pkt. 8c.

MOURNING CLOAK.—Large, double flowers of almost black color, 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. Pkt. 7c.

MIXED VARIETIES AND COLORS.—Pkt. 5c.

POPPIES.

AMERICAN FLAG.—Flowers extra large, very double, snow white, bordered with scarlet. Pkt. 5c.

SNOW DRIFT.—Beautiful new, large, double, pure white variety. Pkt. 5c.

DOUBLE CARNATION.—A splendid assortment of the best double carnation flowered sorts. Pkt. 5c.

ALL VARIETIES MIXED.—Pkt. 3c.

RICINUS.

CAMBOGIENSIS.—Grows 8 feet high, is of stately tropical appearance. The large palm-like leaves are of dark reddish-maroon color. Pkt. 10c.

ZANZIBARENSIS.—Leaves 2 to 4 feet across; grows 12 to 14 feet high. Best mixture. Pkt. 5c.

ALL VARIETIES MIXED.—Pkt. 4c.



SPECIMEN INTERNATIONAL MIXED PANSY.

SCABIOSA.

(Or Morning Bride.)

One of our handsomest summer border plants, producing in great profusion very double flowers in a variety of shades and colors. Pkt. 4c.

SALVIA.

SPLENDENS.—One of the most brilliant of flowers. Free bloomer! A brilliant scarlet. Pkt. 10c.

SCHIZANTHUS.

An easily grown plant bearing quantities of gay, butterfly-like flowers beautifully marked and spotted. Pkt. 5c.

STOCKS.

LARGE FLOWERING PERPETUAL WHITE.—Flowers large, pure white, and the more often they are cut the better they like it. Pkt. 10c.

LARGE FLOWERING DWARF GERMAN.—Finest mixture. Pkt. 5c.

SWEET PEAS.

IMPERIAL MIXED.—Containing sixty of the best varieties, all the best colors. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

DOUBLE MIXED.—Will produce a large proportion of flowers with double or triple standards. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c.

PERFECTED MIXED.—This mixture contains many choice varieties. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

FINE MIXED.—Pkt. 2c, oz. 5c, ¼ lb. 15c, lb. 35c.

SEPARATE COLORS.—Named varieties, all the best solid colors. Any kind, per pkt. 5c.

SWEET WILLIAM.

DOUBLE MIXED.—Flowers are large and very double. Pkt. 5c.

SINGLE MIXED.—All colors. Pkt. 5c.

SUNFLOWER.

GLOBE OF GOLD.—Flowers very double of rich, deep, golden yellow color. Pkt. 7c.

SILVER LEAVED.—The leaves are long and densely covered with white hairs, giving them a shining silvery appearance. Flowers yellow. Pkt. 5c.

PEERLESS MIXED.—A splendid mixture of the best varieties. Pkt. 5c, oz. 15c.

SALPIGLOSSIS.

Beautiful annuals, forming bushy plants and bearing large flowers of many beautiful colors. Pkt. 5c, oz. 15c.

THUNBERGIA.

(Black-Eyed Susan.)

Beautiful rapid growing climbers, bearing a profusion of very pretty flowers. Pkt. 5c.

VERBENA.

NEW CENTURY MAMMOTH.—Most beautiful colors, largest flowers, and largest truss of any Verbena. Pkt. 15c.

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

FINE MIXED.—Pkt. 4c.

MIXED FLOWER SEEDS.

MIXTURE OF FRAGRANT ANNUALS.—Pkt. 10c.

MIXED BIENNIALS AND PERENNIALS.—Pkt. 10c.

FLOWERS FOR BOUQUETS.—Pkt. 10c.

INTERNATIONAL NOVELTIES MIXED.—New and rare varieties from all parts of the world. Pkt. 10c.

WILD GARDEN MIXTURE.—Over 400 kinds of different flowers. Pkt. 5c, ¼ oz. 20c, oz. 25c.

MIXED ORNAMENTAL GRASSES.—Pkt. 5c.

MIXED EVERLASTINGS OR IMMORTELS.—Pkt. 10c.

WALLFLOWER.

DOUBLE MIXED.—The very best strain. Pkt. 10c.

SINGLE MIXED.—Pkt. 3c.

WILD CUCUMBER.

A well-known vine common in many sections, and the quickest climber known, for covering verandas, old trees and houses, trellises, etc. Very profuse in bloom. It will show itself and come up every year in the same place. Pkt. 5c, oz. 20c.

XERANTHEMUM.

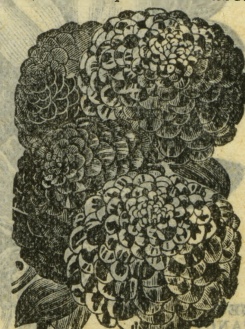
Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 5c.

ZINNIA.

PIGMY OR LILLIPUT.—These charming little Zinnias should be in every garden. Pkt. 7c.

CURLED AND CRESTED.—Flowers large, double with petals oddly crested and curled. Pkt. 5c.

FINEST DOUBLE MIXED.—Pkt. 3c.



DOUBLE ZINNIA.

KILL THE BUGS ON ALL PLANTS WITH SULPHO TOBACCO SOAP.

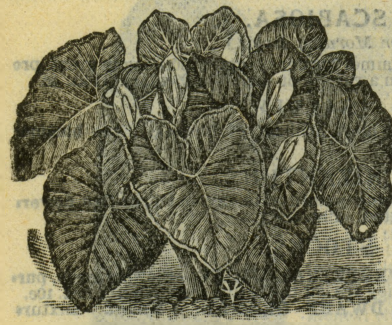
FLOWER BULBS.

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. **Discounts.**—Your selection of bulbs to the amount of \$1.20 at catalog prices will be sent postpaid for \$1.00; \$2.50 for \$2.00.

AMARYLLIS.

ATAMASCO.—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 10.

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 50 cents.



GIANT FLOWERING CALADIUM.

FORMOSISSIMA.—(Jacobean Lily.) Of extremely rich, deep, velvety, crimson color. It is a free bloomer, and succeeds well either in the pots or in the open ground. Each 15 cents, 3 for 40 cents, doz. \$1.25.

CALADIUMS.

NEW GIANT FLOWERING.—In general appearance this plant somewhat resembles the common Caladium (*C. Esculentum*). It does not produce a bulb, but is increased by suckers, and is perennial. The leaf stalks are strong and tall, holding mammoth leaves well above the ground. Leaves 3 to 5 feet long, by 2 to 2½ feet broad; perfectly immense, and make a plant which for tropical luxuriance has no equal. 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. Strong, well rooted plants, each 30c.

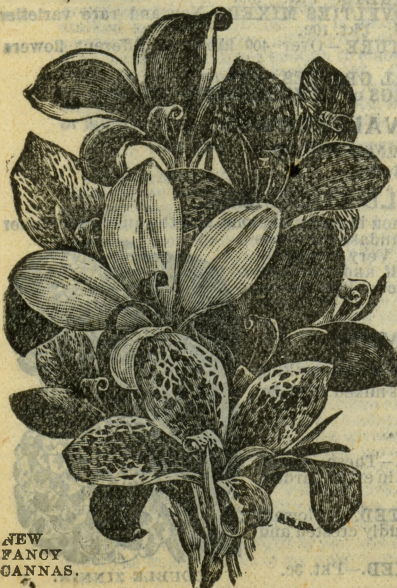
ESCULENTUM.—(Elephant's Ear.) A splendid tropical plant, growing 4 to 5 feet with immense leaves, beautifully veined and variegated with different shades of green. Of easy culture; roots can be stored in cellar in fall, and grow larger and more showy each year. Medium sized bulbs 10c. 3 for 25c; large 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, green-house and window-boxes, but nearly all of the varieties succeed admirably if planted out of doors. Choice varieties mixed; each 15c, dozen \$1.50.

BLACKBERRY LILY.

(*Pardanthus Sinensis*.) Flowers are orange color spotted with brown, about two inches in diameter, followed by blackberry-like seed clusters. Each 10 cents, dozen 85 cents.

Plants received in perfect order and am much pleased with them.—Wm. B. Foss, South Berwick, Maine.



NEW FANCY CANNAS.



CALADIUM ESCULENTUM.

CALLA LILIES.

MAMMOTH WHITE.—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 Pales, fine which was for many years supposed to be a myth. Each 15c, doz. \$1.50.

SPOTTED LEAF.—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. Each 10c, dozen \$1.00.

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. Four strong roots for 15c, dozen 40c.

TUBEROSE ROOTED BEGONIAS.

Of all the introductions of recent years, none have received a heartier welcome than the giant-flowered, tuberose-rooted begonias. The flowers frequently measure from 4½ 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. Choice single mixed colors, each 10c, doz. \$1.00; choice double mixed colors, ea. 20c; doz. \$1.75.



LILY OF THE VALLEY.

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.

BURBANK.—The flowers are gigantic in size, the upper petals spreading fully 7 inches and the form is really semi-double. The inner part of the petals show fine crimson spots; all the rest of the flower is of a most beautiful, rich canary yellow. Height 5 feet. Green foliage. Each 15c, 3 for 40c; dozen \$1.20.

AUSTRIA.—The new giant golden lily-flowered Canna. In truth a giant, with flowers 6 to 8 inches across, grows over 6 feet high. Each 15c, 3 for 40c, dozen \$1.20.

GLORIOSO.—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. Green foliage. Each 25c, 3 for 65c.

ITALIA.—Height five feet. Large foliage of deep green, bordered white. Very large flowers, bright red, bordered with golden yellow. Each 15c, 3 for 40c, doz. \$1.20.

ALSACE, THE WHITE CANNA.—Height 3½ feet. Green foliage. Each 15c, 3 for 40c, doz. \$1.20.

MADAM CROZY.—Height 3½ feet. Green foliage. Flower heads of red, gold bordered. Each 15c, 3 for 40c, dozen \$1.00.

QUEEN CHARLOTTE.—Height four feet. A choice variety with green foliage. Flowers orange scarlet with gold band. Each 15c, 3 for 40c, dozen \$1.20.

FLORENCE VAUGHAN.—Height five feet. Dark green foliage. A yellow canna, spotted with bright red. Each 15c, 3 for 40c, dozen \$1.20.

ROBUSTA.—Well known; although not a large flowering sort, it is valued on account of its luxuriant foliage. Its immense dark bronze leaves are 12 to 18 inches wide and 30 to 36 inches long. Height 8 feet. Each 10c, dozen \$1.00.

DISCOLOR.—Height 8 to 10 feet. Its mammoth leaves are of green marble, creamy yellow and bordered with rich, bronze red. Flowers small. This and Robusta are fine plants for center beds. Each 10c, dozen \$1.00.

MIXED BEDDING CANNAS.

These consist of roots grown from tubers the names of which were lost in handling. Mixed colors. 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 foliage and flowers are beautiful and they bloom constantly. For a 7 foot bed we will send postpaid 19 plants in three different varieties, 1 for center, 6 in next row, 12 for outside for \$1.75. For a 10 foot bed we will send postpaid 37 plants in four different varieties, 1 for center, 6 in next row, 12 in next and 18 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 all are choice sorts suitable for growing together, making grand beds

REMEMBER THAT BULBS CAN BE KEPT THROUGH THE WINTER AND YOU DO NOT HAVE TO BUY NEXT YEAR.

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.

AURATUM. (*Japanese Gold Banded Lily.*)—The immense flowers are produced in great profusion. The large white petals are thickly spotted with rich chocolate crimson, and have a bright golden yellow band through the center of each. Each 15 cents, dozen \$1.20; extra large bulbs, each 25 cents, dozen \$2.50.

SPECIOSUM RUBRUM.—Height from 2 to 4 feet. Blooms in August. Flowers are white, with a deep rosy or crimson band on each petal. Each 15c, 3 for 40c.

SPECIOSUM ALBUM.—It has very large white flowers. Each 20c, 3 for 50c.

TIGRINUM SPLENDENS.—An improved Tiger Lily growing sometimes six feet high, producing orange red flowers spotted with black. Each 10c, doz. \$1.00.

DOUBLE TIGER LILY.—The flower is densely double, color orange red, spotted with black. Blooms freely and should be largely grown. Ea. 15c, doz. \$1.35.

LEMON LILY.—The flower is about three inches in diameter, clear lemon yellow color; perfectly hardy and very satisfactory; delightful lemon fragrance; each flower stem bearing from seven to twenty flowers. Each 15c, dozen \$1.50.

ORANGE LILY.—Similar to Lemon Lily, dark orange color. Ea. 15c, doz. \$1.50.

DAHLIAS.

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 grand varieties.

**NYMPH-
ZEA.**—There is not a dahlia in existence exceeding this one



FERN LEAF BEAUTY DAHLIA.

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. Each 20 cents, three for 50 cents.

DOUBLE MIXED VARIETIES.—Contains a good proportion of best scarlet, yellow and white varieties. Each 15 cents, dozen \$1.25.

FANCY DOUBLE MIXED.—The handsome tipped, striped, spotted and variegated sorts in a splendid mixture. Each 25 cents, dozen \$2.25.

CRIMSON KING.—Each 20c, three for 50c.

OXALIS.

DEIPII ROSEA.—Greatly resembles 4-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. Dozen 10 cents, 100 for 50 cents.

DEIPII ALBA.—Bulbs when planted three inches apart produce an unbroken row of elegant foliage and pure white flowers, and as they bloom quickly after planting, they furnish a neat and attractive border the whole season. Per dozen 10 cents; per 100, 40 cents.

GOLDEN BALL.—A most beautiful, large, pure deep yellow flower, shaded with old gold. Each 20c, three for 50c.

CACTUS DAHLIAS.—Mixed varieties. Each 15 cents, dozen \$1.50.

SINGLE DAHLIAS.—In grace, freedom of bloom, adaptability for bouquets, decorations and wherever cut flowers are used they are certainly useful. Mixed colors; each 15c, three for 40c.

FERN LEAF BEAUTY.—This grand novelty has fern-like foliage and flowers of creamy white, with a distinct marking of bright crimson on each petal. Entirely different from any other variety. Each 25 cents, 3 for 60 cents.

WINTER BLOOMING BULBS.

Our bulbs arrive from Holland about Sept. 15th. You should send for full catalogue which contains a full descriptive list. Ready Sept. 1st.

Hyacinths.—Double or single mixed; each 8c, doz. 85c. **Tulips.**—Double or single mixed; each 4c, doz. 30c. **Narcissus, or Daffodils.**—Mixed; each 5c, doz. 50c. **Crocus.**—Doz. 10c. **Scilla Siberica.**—Each 4c, doz. 35c. **Chinese Sacred Lily.**—Each 15c. **Snowdrops.**—Single, doz. 15c; double, doz. 25c.

CHOICE GLADIOLUS.

These are a specialty with us, and our fields devoted to them make a most magnificent sight each year, appearing at a distance a mass of bright colors. We grow the largest number and the largest variety to be found in this part of the country.

ROYAL QUEEN.—The flower spike is very long; the flowers are of a clear, pearly white ground, striped and splashed with a rich carmine. Ea. 25c, 3 for 65c.

GROFF'S HYBRIDS MIXED.—All colors mixed; large bulbs. Ea. 6c, doz. 60c; second size, ea. 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. 25c, 100 for \$1.75, postpaid.

FINE MIXED.—A nice assortment. Each 4c, doz. 35c; second size, doz. 20c.

HYACINTHUS CANDICANS.

Has a stem 3 or four feet high, which bears quantities of drooping, ivory white, bell-shaped flowers of delicate fragrance. Each 5c, doz. 50c.

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. Each 5c, 6 for 25c, doz. 45c, postpaid.



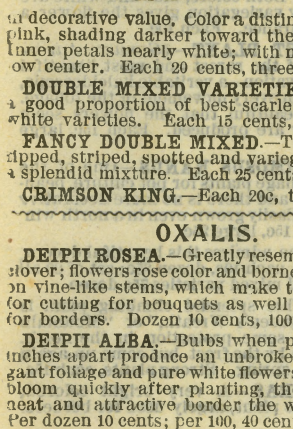
EXCELSIOR PEARL TUBEROSE.

TUBEROSES.

NEW EXCELSIOR PEARL.—The Tuberose is justly a universal favorite and easily grown. This variety has been selected with care and is superior to the ordinary Pearl Tuberoses. Each 5c, doz. 40c, 100 \$2.65, postpaid.

DWARF PEARL.—Similar to above, but not as carefully selected and grown. Each 3c, doz. 25c; 100 for \$1.50, postpaid.

VARIEGATED LEAVED.—Leaves are bordered with creamy white; flowers single, but large. Each 5 cents, dozen 45 cents.



FLOWER PLANTS.



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. Each 10c, dozen 90c.

WHITE SWEET ALYSSUM.—Nice little pure white flowers. Valuable for baskets, vases and borders. Each 10c.

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 glossy leaves assume in autumn the most beautiful tints of scarlet and crimson. Each 15c, large plants 25c.

CHENILLE PLANT.—(*Acalypha Sandertii*).—A most striking ornamental plant. Is a native of the South Sea Islands, of rapid growth and blooms continuously. They are of a bright crimson color, drooping and mixing among the green foliage with charming effect. 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.

MOON FLOWER.—A handsome climber growing to a height of 25 to 40 feet, and covered nightly and on dull days with its white, moon-like flowers five to six inches in diameter. Each 15c.

MUSK PLANT.—Many persons are fond of the musk odor though it is not as much used for perfume as it was twenty-five years ago. This is the true musk plant. Each 10c.

BEGONIAS

There is nothing more showy or desirable than a collection of the flowering and ornamental leaved Begonias.

COUNTLESS LOUISE ERDODY.—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. Each 25 cents.

TUBEROUS ROOTED.—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. Each 15c, dozen \$1.50.

METALICA.—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.

ARGENTEA GUTTATA.—It has purple bronze leaves with silvery markings. White flowers; splendid for the house. Each 10c.

MADAM DE LESSEPS.—Has very large leaves of silky texture and beautifully spotted with silver. Flowers pink and white. Each 15c.

MARJORIE DAW.—Its bright salmon-pink flowers are produced in broad panicles, drooping down from under the foliage. Each 15c.

REX.—The Rex or King Begonias may well be called the king of foliage plants, and they make a magnificent showing with their rich lustrous tints and tropical looking leaves. Choicest varieties. Each 20c.

BERTHA.—Bright green leaves; flowers a beautiful currant red. Each 15c.

COLLECTION.—One plant each of the eight kinds of Begonias for only \$1.00.



ASPARAGUS PLUMOSUS NANUS.

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. This year we have added several new greenhouses to our place, besides cool storage rooms for dormant plants. 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 \$1.25 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.

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 short time. Each 15c, large plants 25c, extra strong plants 40c.

ALFRED NEUNER BOUVARDIA.—This magnificent and showy plant is the ideal Bouvardia. It is an erect, strong grower, making charming shaped plants. Some consider it the best of all winter blooming plants. They are quite rare and will attract attention anywhere. Each 20c.

ARAUCARIA EXCELSA.—This beautiful plant resembles the pine somewhat in appearance, though much finer in texture, and is particularly adapted to table decoration. 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.

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. In bloom it presents an odd and interesting appearance. Each 15c.

PRINCESS PAULINE AGERATUM.—Both colors, blue and white are combined in the same flower. This pretty variegation gives the flower a most charming appearance. Each 10c.

CRIMSON VELVET PLANT.—(*Gynura Aurantiaca*).—This is one of the rarest and most beautiful foliage plants in cultivation—a veritable kaleidoscope, changing its hues with every movement of the foliage. It is so strangely beautiful that the flowers seem superfluous, yet they are produced. Each 15c, large plants 25c.

ASPARAGUS PLUMOSUS NANUS.—One of the handsomest of our foliage plants for pot culture, beautiful the year round, and there is no more decorative plant in entire list. Easily grown even in a north window. See cut. Each 15c, large 25c.

COLEUS.—Everyone admires this beautiful decorative plant. Varieties each 10c, dozen 85c; set of 20 all different \$1.15; named mixed varieties 75c dozen.

ANTIGONON.—This splendid climbing plant is sometimes called "Queen's Wreath," or "Mountain Rose." It requires some protection in the north. They are killed down by the frost, but come up again from the roots in the spring. Strong plants, each 15c.

ALTERNANTHERAS.—A very bright colored, dwarf growing foliage plant, largely used for borders. Each 10c; doz. 75c.

ACHYRANTHES.—Dwarf growing foliage plants, valuable on account of their beautiful colored leaves. Color a deep blood red. Each 10c; doz. 75c.

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.

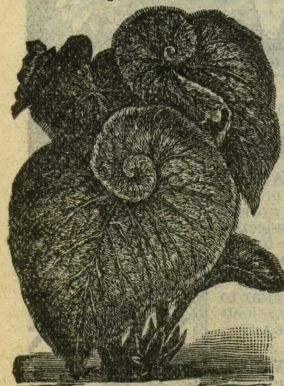
June 6.—Plants arrived in good shape and I am much pleased with them. Thank you for the extras.—Mrs. A. E. C. Gilmore, Crafton, Penn.

April 12.—The roses and plants came to hand in fine condition.—Frank H. Owen, Marion, Ohio.

ABUTILON—Souvenir de Bonn.—A striking decorative foliage plant with beautiful variegated leaves of good size, regularly and evenly marked with white and green. Each 15c.

NEW DOUBLE ABUTILON—Thompsonii Plena.—This has a perfectly double flower resembling a double hollyhock in form and of rich deep orange color. Each 15c.

ABUTILON—Savitzii.—One of the most beautiful 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 all ways covered. Each 15c, 4 for 50c.



LOUISE ERDODY BEGONIA.

A GRAND BARGAIN—TEN CHOICE ROSE PLANTS, OUR SELECTION, ALL DIFFERENT, FOR FIFTY CENTS. •

Fancy Leaved Caladiums.

THEIR beautifully shaped and glossy foliage is elegantly variegated in the most telling manner. In fact the immense leaves are so marked with delicate and vivid colors as to make them as showy as great and peculiar flowers. Start bulbs early in a warm place and do not put out of doors before the last of May. Many choice varieties mixed, only 15 cents each; \$1.50 per dozen.

Carnations.

Fragrant flowers are always sought after and the rich, spicy odor of the carnation, combined with various colors, leaves little to be desired.

Evelina.—A grand, pure white, early and free flowering carnation of healthy, vigorous growth. Each 10c.

American Flag.—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 10 cents.

The \$30,000 Carnation.—Mrs. Thos. W. Lawson.)—The largest pink Carnation at the present time. The flowers measure over 3½ inches in diameter. Each 15 cents.

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. Each 15 cents.

Alaska.—A grand new pure white variety with finely fringed petals. Each 15 cents.

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 15 cents.

A Baker's Dozen.—One plant of each of thirteen splendid carnations for only 90 cents.

CUPHEA TRICOLOR.—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 10 cents.

CUPHEA PLATYCENTRA.—This is the old-fashioned Cigar Plant, with narrow tubular scarlet flowers, tipped with purple; always in bloom. Each 10c.

CACTUS.—The night Blooming Cereus, bearing immense flowers, 25c each, and many other varieties at 10c to 25c each. A collection of ten varieties for \$1.00, postpaid.

CROWN OF THORNS.—(*Euphorbia*.)—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 it was from this plant that the crown of thorns was made which was worn by our Savior. Each 25 cents.

COBOEA SCANDENS.—A well known summer climber. Foliage green; large, purple, bell-shaped flowers. Each 15 cents.

HYDRANGEA.—Thomas Hogg—The immense trusses of flowers are at first slightly tinged with green, becoming of the purest white. Each 15c.

HYDRANGEA.—Hortensia—Its growth is strong and upright, forming excellent specimen plants; flowers pink, in immense trusses. Each 10c.

HYDRANGEA.—Otaska.—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 15 cents.

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 15 cents. See cut.



THE BOSTON FERN.



FANCY LEAVED CALADIUMS.

Ivory.—Pure white flowers of exquisite form and finish. Each 10c.

Louis Boehmer.—The splendid new pink. 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. Each 10 cents.

Chrysanthemums.

THESE are now the most popular and fashionable of autumn flowers. These varieties are superior to all other varieties for pot culture.

Illumination.—Claimed to be the best white. Grows a profusion of large white flowers. Each 15 cents.

Major Bonnafon.—A very popular yellow variety, flowers six to seven inches in diameter. Each 15 cents.

Golden Wedding.—Rich golden yellow color, flowers 10 to 12 inches in diameter. Each 15 cents.

Silver Wedding.—Very much like the above but of pure silvery white. Each 20 cents.

Marion Henderson.—The earliest golden yellow, center incurved, outer petals reflexed, flowers six inches in diameter. Each 10 cents.

Gettysburg.—Deep, rich crimson, which in the flower itself is soft and velvet-like. Each 10 cents.

Fisher's Torch.—Color is bright red, passing to richest velvety crimson. Each 15 cents.

Christmas Eye.—The latest of all white chrysanthemums. Each 15 cents.

Timothy Eaton.—Color, pure white when fully developed. A prize winner at all shows last fall. Each 15c.

Fuchsias.

These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens.

White Phenomenal.—The grandest double white variety in existence. Each 15 cents.

Jupiter.—The flowers are of really mammoth size with very large, rich violet purple double corolla. Tube and sepals bright crimson. Each 15c.

Phenomenal.—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. Each 10 cents.

Monarch.—The largest of all the single flowering varieties, bearing immense bloom of a very dark purple. Each 15 cents.

Black Prince.—Tube and sepals bright wax earmine, sepals large and broad with pale green tips; large, open, pale pink corolla. Each 10 cents.

Storm King.—Large double flowers. The sepals are glowing scarlet crimson, corolla delicate waxy white, elegantly pencilled with deep, bright crimson. Each 10 cents.

Collection.—One plant each of eleven of the best varieties of Fuchsias for only \$1.00.

GREVILLEA OR SILK OAK.—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 15 cents.

MAURANDIA.—Graceful climbers for window conservatories, or open ground in summer; admirable to hang from vases, cover stumps and low trellises, flowering freely. Each 15 cents.

CHRISTMAS EVE CHRYSANTHEMUM.



FEENS.—We have many choice varieties of these delicate appearing, attractive plants at prices from 10c to \$1.00 each.

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 4 to 5 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 20 cents.



PEACHBLOW HIBISCUS.

"PLANTS ARRIVED IN PERFECT ORDER. EVERY ONE IS GROWING FINELY."—B. GEISER. Newkirk, Oda.

Single Geraniums.

Geraniums are the most easily grown and satisfactory of all flower plants and only the rose can vie with them in popularity. We have about 200 varieties growing at our place and test a large number of new sorts every year.

AUREOLE.—(*Mad. Bruant.*)—Plant is loaded with blooms and each floret is large, center being white, beautifully veined with carmine lake. A fine pot plant. Each 15c.

THE WONDER.—The flowers are the most intense, dazzling scarlet and are borne in great trusses of enormous size, measuring from 18 to 20 inches in circumference. Each 10c.

CAMILLE BERNARDIN.—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. Each 15c.

COLUMBIAN.—Flowers 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. Each 15c.

SOUVENIR DE MIRANDE.—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.

ELECTRIC.—Very large flower of most brilliant scarlet color with white eye. Each 10c.

MRS. J. M. GAAR.—A perfect white bedding variety; never burns; is of dwarf, compact habit; is superior to all whites and equal to the best scarlet bedders. Each 10c.

AMERICA.—Ideal variety for pot culture or bedding, white with salmon center. Each 25c.

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.

CHAMELEON GERANIUM.—

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. It is a free bloomer, bearing many trusses of large single flowers. The name Chameleon was suggested by its peculiar manner of changing color. Everyone who grows geraniums, and that means almost everybody, should try it. Each 25c.

LA FAVORITE.—What S. A. Nutt is among dark crimson, La Favorite is among whites—without doubt the best double white geranium ever offered. Each 10c, doz. 85c. By express not prepaid, 50 for \$2.75, 100 for \$5.00.

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. As a pot plant it cannot be excelled. Each 10 cents, dozen 85 cents. By express not prepaid, 50 for \$2.75, 100 for \$5.00.



WM. LANGGUTH GERANIUM.

WM. LANGGUTH GERANIUM.—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. Each 25c, 3 for 60c.

OLD GLORY GERANIUM.—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" was as fresh and sweet as if just watered by an April shower. Ea. 15c, doz. \$1.40.

VERA VEND.—Beautiful white, 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. The florets, which look like little rosebuds, are of dark scarlet crimson color. Each 15c.

DOUBLE NEW LIFE.—The outer florets are large, of a brilliant red. In the center of these appear another semi-double floret, pure white in color affecting a very charming contrast, difficult to realize unless seen, and having the appearance of being produced artificially. Each 15c, doz. \$1.50.

COLOSSUS.—The color is very beautiful, a rich shade of rosy crimson. Very free in bloom. One of the very largest and finest. Each 10c.

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, vermilion red; trusses exceptionally large and borne in immense balls often eight inches in diameter. Each 10c, dozen \$1.00.

ALPINE BEAUTY.—An exquisitely 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. Every one 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.

Fancy Leaved Geraniums.

We grow only the most desirable varieties. Send a description of the kinds you want and we will supply the same at the rate of 15 cents each, \$1.20 per dozen.

Ivy Leaved Geraniums.

Very beautiful, we sell large numbers each season. Each 15c, set of six, 60c.

Sweet Scented Geraniums.

Many persons enjoy scented geraniums; we grow eleven of the best varieties and are sure we have the varieties you wish. Each 10c, dozen \$1.00.

Pelargoniums.

Better known as Lady Washington Geraniums and our improved large flowering sorts are certainly the most beautiful of all geraniums. Each 20c, dozen \$2.00.

WE SEND EXTRA PLANTS FREE WITH EACH ORDER.



NIGHT BLOOMING JASMINE.—World famous, deliciously fragrant Night Blooming Jasmine (or Jessamine). It is a plant of strong, handsome growth, with handsome glossy green foliage and bears an immense number of small star-shaped flowers. One plant on our place last 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. 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. Each 15c, three for 40c.

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. Each 60c. Larger size \$1.00 and \$1.50 each.

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 the house. Flowers embrace all shades of orange, sulphur, lilac, red, pink, white, etc. Each 10c.

LEMON VERBENA.—A universal favorite, invaluable for its fragrant leaves. They will retain their fragrance for years when dried. 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. 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; brilliant scarlet, tipped with clear golden yellow, making it wonderfully attractive. Each 10c. Large size 25c.



INDIA RUBBER TREE.

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. The fruit is very sweet and handsome. Each 20c.

PETUNIA.—Double—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. Our stock is unsurpassed and includes best blotched and fringed sorts. Mixed varieties. (See illustration.) Each 10c. doz. 90c.

Snow Queen.—White varieties are always scarce. Plant grows two feet high and often has two or 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 for purity of color, size, form and vigor of growth. Each 15c.

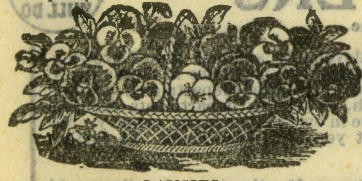
Fritz Petunia.—This is a decided novelty. The ground work of the flower is a deep purple, which is beautifully marked and pencilled with cream, white and pink. Each 15c.

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. Each 15c.

PRIMULA OBCONICA.—A lovely perpetual blooming primrose. Flowers of rose lilac, shading to white. Each 10c.

ASTER PLANTS.—Grown from best seed of all varieties mixed. Many of our customers prefer to buy these plants instead of sowing the seed themselves. Per dozen 75c; per 100 \$3.00, charges prepaid.

VAREGATED STEVIA.—A very pretty flowering plant for bordering or to plant in groups. Of upright growth, producing numerous sprays of small white florets, which are highly desirable for cut flowers and of delightful fragrance. Leaves are bright green bordered with white, thus making a very pretty effect as a border plant. Not hardy and should be potted in the fall for winter blooming. Each 15c; dozen \$1.25 postpaid.



PANSIES.

FAIRY WATER LILY.—Bears many small white flowers all the year round. Each 15c.

LUDWIGIA.—Each 10c; six for 50c.

UMBRELLA PALM.—(*Cyperus*.)—Very pretty and is easily grown. Each 15c; larger plants 25c.

SAGITARIA.—A grass like plant, quite desirable for growing in aquariums. Each 25c.

LEMNA or DUCKWEED.—Has small oval leaves with rootlets hanging down in the water. Each 15c.

PARROT'S FEATHER.—Long trailing stems, clothed with whorls of finely cut foliage. Each 15c.

WATER HYACINTH.—Produces beautiful flowers. One of the most remarkable, curious and beautiful plants we have ever grown. It floats in the water, forming a lovely rosette of its curious shining green leaves, and throws up spikes of most exquisite flowers. Color is a beautiful soft lilac rose. Each 15c.

EEL GRASS.—(or Tape Grass.)—A well known little aquarium plant having ribbon-like leaves about six inches long. It is a free grower when submerged and quite desirable. Each 15c.



DOUBLE PETUNIA.

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 have beautiful flowers of all shades of colors known in pansies. Extra large strong plants 50c per doz. 4 doz. for \$1.50 postpaid. Smaller sizes 25c per doz., 5 doz. for \$1.00 postpaid.

AQUATIC PLANTS.

CABOMBA or AQUARIA MOSS.—This is one of the prettiest plants for growing in Aquariums, and also the most valuable. Bunch of 10 stems 25c.

THE BABY PRIMROSE.—(*Primula Forbesii*.) It is a wonderfully free-blooming plant. 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. Each 10c.

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 10c.

LATANIA BORBONICA PALM.—Or Fan Palm. One of the most popular varieties grown, prized especially for its beautiful, large, fan-shaped leaves, of deep glossy green. 25c each. Large plants by express \$1.00 to \$10.00 each.

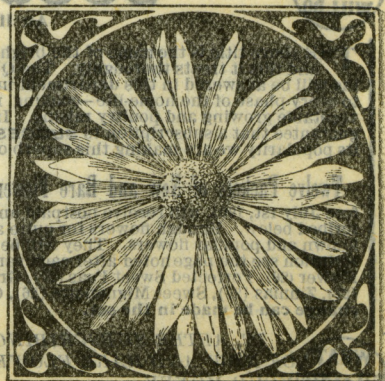
HELIOTROPE.—This well known plant does not need a description. We have a choice stock of Heliotropes and can supply mixed varieties at 15c each, \$1.00 per doz.

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 as specimen plants or for bedding. Grows 4 to 6 feet high, makes a large branching tree-like plant, each branch being tipped with bloom. Each 10c; doz. 9c.

PENTSTEMON.—One of the most beautiful and 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. Will bloom from June until October. Each 15c; dozen \$1.25.

MAMMOTH BROWALLIA.—The plants grow only about a foot high, form a dense little bush, which is covered with an abundance of the most delightful sky blue flowers. For beds, borders or pots. Each 10c; dozen \$1.00.

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. Its first qualification is hardiness. Second, perennial, blooming more abundantly each succeeding 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 four inches in diameter, with three or more rows of petals of the purest glistening whiteness, and are borne on single, stiff, wiry stems, nearly 2 ft. in length. Sixth, the blooms when cut remain perfectly fresh for 2 weeks or more. Strong plants, each 15c; dozen \$1.50.



SHASTA DAISY.

REMEMBER.—AT ABOVE PRICES WE PAY POSTAGE AND EXPRESS CHARGES.

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 15 cents; dozen \$1.50.

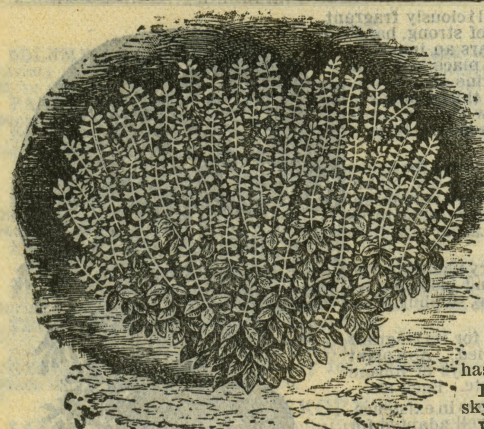
SALVIA--Splendens.—One of the finest of all bedding plants, being completely covered in autumn with long spikes of dazzling scarlet flowers, remaining in bloom until cut down by frost. Each 10 cents; per dozen 75 cents.

SOLANUM--Jasminoides Grand.—This beautiful plant is of trailing or climbing habit, but if desired can be cut back to a bush form. 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 of bloom which remain perfect a long time before fading. Each 10 cents; one-half dozen for 50 cents.

PARIS DAISY--White.—A French improvement on the old White Marguerite which has been so popular. Is of much larger size and will produce ten times as many flowers. Each 10c.

PARIS DAISY--Blue.—A striking beautiful flowering plant, producing an abundance of clear sky blue flowers. Plants are loaded with the flowers, and are very desirable for cutting. Each 10c.

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. They are of a rare shade of light azure blue. Each 10 cents.



MRS. C. N. PAGE SALVIA.

PLUMBAGO--Lady Larpent.—The plants are strong, upright in habit, growing to a height of 12 to 15 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 20 cents.

SANSEVIERIA--Zelanica.—A singular plant, eminently adapted for decorative purposes in parlors, etc. Dark green, beautifully striped crosswise with white. Has white flowers. Each 15 cents; large size 50 cents.

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. Fea shaped blossoms of a pure canary color, almost hiding the foliage. Each 10 cents.

JMILAX.—Well known handsome climber and the most popular of all vines with the florists. Each 10 cents.

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 almost a perpetual bloomer. Each 10 cents.

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. Flowers are violet blue, borne in immense racemes. Each 15c.

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. Our mammoth flowering varieties bloom freely and have the finest colors. Each 10c, per dozen 75c; one plant each of fourteen kinds for \$1.00. Mixed Verbenas, all different, 50c per dozen.

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 18 inches in height, producing numerous sprays of small white florets. These sprays are highly desirable for cut flowers 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 15 cents.



PERMANENT IMPROVEMENT COLLECTION.

HYDRANGEA GRANDIFLORA.—It is truly the grandest flowered and most showy of all shrubs. See more full description on another page. Each 15c, doz. \$1.50.

DEUTZIA--Pride of Rochester.—A very desirable shrub of strong, hardy growth, with nice luxuriant foliage, and bearing an abundance of beautiful racemes of double, pure white flowers. Each 15c, doz. \$1.50.

FORSYTHIA or GOLDEN BELL.—Blooms very early in the spring. Flowers, bright golden yellow bells. Each 10c, doz. \$1.00.

By setting these plants out now you will make a wise investment. Are hardy; will grow larger each year, bloom freely.

WEIGELA.—Produces large trumpet-shaped flowers in June and July flowers all shades from white to dark red. Each 15c, doz. \$1.50.

BRIDAL WREATH.—(*Spiraea Prunifolia*).—A beautiful shrub. Blooms in May with long sprays of beautiful flowers. Each 10c, doz. \$1.00.

RED CORAL HONEYSUCKLE.—A shrubby climber and one of the most satisfactory of all plants. Each 15c, doz. \$1.50.

THE ENTIRE COLLECTION of 6 shrubs postpaid for only..... 500

THESE COLLECTIONS CANNOT BE CHANGED OR DIVIDED.

WHAT
50 CENTS
WILL DO

"SUCCESS WITH FLOWERS"

An Illustrated Monthly Devoted to Floriculture and the Home.

WHAT
50 CENTS
WILL DO

THE above title is the name of the brightest and cheeriest home magazine published. It is primarily devoted to amateur flower growing, and this it treats thoroughly. The QUESTION BOX alone is worth the subscription price. Any trouble you may have in flower growing will be answered in this department in a way that you can understand. Besides this feature there are ably edited departments devoted to every phase of the home-life—cooking, needlework, dress and fashions, care of children, aids to health, as well as departments covering vegetable growing and poultry raising. In short, this is a publication which should find a warm welcome in every home in the country. We guarantee that a subscription to **SUCCESS WITH FLOWERS** will be the most satisfactory investment you have ever made. To further its popularity we are making this superb offer:

Twelve Packets of New and Rare Flower Seeds Free Including four grand novelties. Everyone sending us 50c (foreign subscribers add 12c extra for postage) for a year's subscription to **SUCCESS WITH FLOWERS**, before July 1st, 1904, will receive postpaid and free of all additional cost one full packet of each of the twelve varieties of choice flower seeds described below. Enough flowers for quite a large garden. Several of them are entirely new and rare sorts and the other varieties of well-known and popular flowers. They will be sent to you carefully put up with directions on each packet and postage fully prepaid. For description see the page noted after each variety: Butterfly Flower (27), Mexican Burning Bush (26), Electric Light Plant (26), Gold and Silver Flower (26), Perfected Sweet Peas (27), Grandiflora Mixed Phlox (27), Giant Flowered Antirrhinum (24), Mammoth Carnation Flw'd Poppy (27), Zinnias (27), Sweet Mignonette (26), Choice Mixed Asters (26), Oriental Mixed Pinks (27). Please order as Collection No. 30. No change can be made in the set.

IF, AFTER SUBSCRIBING, YOU THINK "SUCCESS WITH FLOWERS" AND THE TWELVE PACKETS OF NEW AND RARE FLOWER SEEDS ARE NOT WORTH 50 CENTS, WE WILL CHEERFULLY REFUND YOUR MONEY.

WHAT
50 CENTS
WILL DO

WHAT
50 CENTS
WILL DO



MARY WASHINGTON ROSE.

CLIMBING ROSES.

For porches and trellises nothing surpass the climbing roses, especially the everblooming varieties. We recommend the two year old dormant plants for immediate effect.

MARY WASHINGTON.—A hardy perpetual blooming climber, producing double snow white blossoms from June until frost. See cut. Our first president named it after his mother, Mary Washington. The original bush can yet be seen at Mt. Vernon. Each 15c. Dormant 35c.

MRS. ROBT PEARY, OR CLIMBING KAISERIN AUGUSTA VICTORIA.—The buds are long and pointed. Color, pure ivory white, of delicious fragrance. Grows 10 to 15 feet in a single season. Each 20c. Strong two year old dormant plants each 50c.

MANDA'S TRIUMPH.—Beautiful white climbing rose; elegant for cemetery. Each 15c. Dormant 30c.

ENGLAND'S FAVORITE.—An ever-blooming climber, golden yellow color, delightfully fragrant. Each 20c. Dormant 40c.

AMERICA.—A novel everblooming climber bearing immense numbers of large, beautiful buds of rich, creamy white tinted with pink. Each 20c. Dormant 40c.

EMPRESS OF CHINA.—A new climbing Rose of Chinese origin. Hardy and perpetual bloomer. Color, soft red, changing to light pink when fully open. Each 15c. Dormant 35c.

PINK ROAMER.—Single, flowers pink with white center. Each 10c. Dormant 25c.

SEVEN SISTERS.—Crimson, changing all shades to white, blooms in clusters. Each 15c. Dormant 25c.

BALTIMORE BELLE.—Very double blush white bloom. Each 10c. Dormant 25c.

PRAIRIE QUEEN.—An old standard variety. Bright rosy red, large, compact and globular flower. Each 15c. Dormant 30c.

DOROTHY PERKINS.—Very hardy, immense clusters of deep pink flowers. Each 20c.

SET OF RAMBLER ROSES.

CRIMSON RAMBLER.—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.

EVERGREEN MEMORIAL ROSES.

Hardy and creep over the ground like ivy. Used extensively for covering graves, rock work, embankments, etc.

EVERGREEN GEM.—Flowers creamy white. Each 15c. Dormant 30c.

SOUTH ORANGE PERFECTION.—Color soft blush pink at tips. Each 15c. Dormant 25c.

WHITE MEMORIAL.—Perfectly hardy. Each 10c. Strong dormant plants 25c.

JERSEY BEAUTY.—Bright yellow flowers. Each 10c. Dormant 25c.

UNIVERSAL FAVORITE.—Beautiful rose pink. Each 10c. Dormant 25c.

ROSES.

We consider them not only the most popular but also the most satisfactory of all flowers. We do not grow out flowers and our rose growing is exclusively for the production of plants. Our soil here is well adapted to rose culture and we are sure that customers will find our plants specially strong, healthy and vigorous. Every variety listed has our most hearty recommendation. 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 if requested. 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.

MADAM 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.

HALLOWE'EN.—A beautiful new variety of dark crimson color, distinctly striped with pink and pure white. Each 15c.

SNOWFLAKE.—The freest flowering pure white rose that we know of. Each 15c.

BEAUTY INCONSTANT.—A new variety of many shades of pink, red, crimson and yellow. Each 15c.

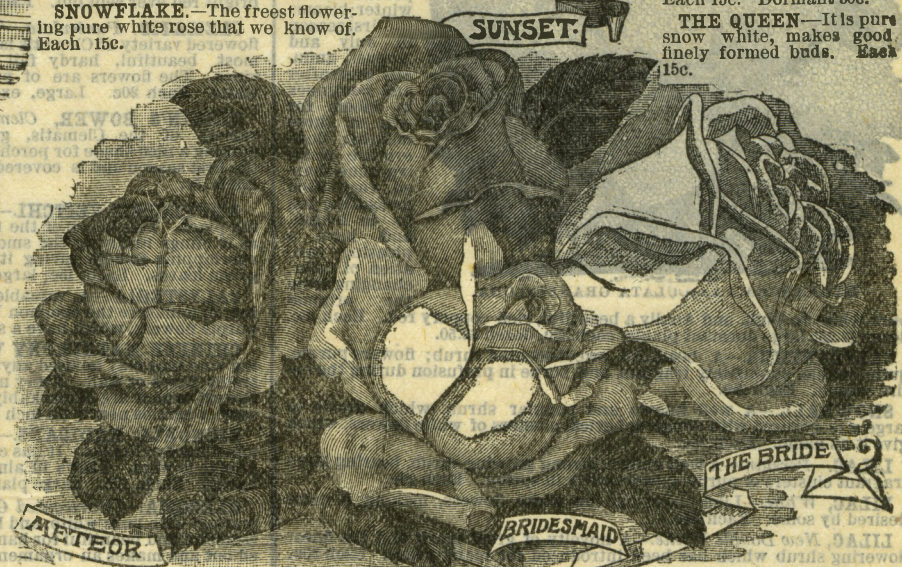
KAISERIN AUGUSTA VICTORIA.—The finest white ever-blooming hardy garden rose. The beautiful, perfectly shaped flowers are borne in profusion on long, graceful stems. Each 15c.

SOUVENIR DE WOOTON.—Color a beautiful shade of velvety crimson, and the full open flowers are frequently six inches across. Each 10c. Dormant 30c.

BLACK PRINCE.—Very dark, rich velvety crimson. Each 15c. Dormant 35c.

LADY HELEN STEWART.—Color bright crimson, flamed with scarlet, very beautiful. Each 15c. Dormant 30c.

THE QUEEN.—It is pure snow white, makes good, finely formed buds. Each 15c.



Above four grand Roses shown in cut for only 35c.

METEOR.—Very double and perfect in shape. The color is rich velvety crimson, exceedingly bright and attractive. The plant is of vigorous growth. Each 10c.

SUNSET.—This exquisite orange yellow variety, shaded ruddy copper color, "a sunset glow," is one of the finest Tea Roses. Each 15c.

CHAMPION OF THE WORLD.—The champion bloomer. It is claimed that one plant of it will produce more flowers during the year than ten plants of any Tea Rose. Rich, deep, rosy pink. Each 15c. Dormant 30c.

PRESIDENT CARNOT.—Magnificent new Hybrid Tea Rose, which we consider one of the daintiest and most charming and fragrant roses in cultivation. Each 15c. Large two year old plants 35c.

BEAUTIFUL HARDY ROSES.

The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. Nothing is more beautiful than a nice hedge of these roses. We can supply these from the time this catalogue is issued up to May 15th. Remember we prepay the postage or express charges on plants at prices named.

GLORIE DE MARGOTTIN.—The color is a clear dazzling red. Each 15c. Dormant 30c.

AMERICAN BEAUTY.—Color rosy crimson, exquisitely shaded. Extra large full flowers, fine buds, very hardy, a constant bloomer. Each 15c. Dormant 35c.

BARON DE BONSTETTEN.—The Black Rose. The color of this rose is a rich dark red, passing to a deep velvety maroon, nearly black. Each 15c. Dormant 35c.

MOSS ROSES.—Acknowledged queen of all roses; moss-covered stems and buds show off the delicate loveliness of blossom to great advantage. See cut.

Crested Moss.—Deep pink colored buds, surrounded with a mossy fringe; fine. Each 35c.

Crimson Globe.—Fine large flowers, deep rich crimson, richly mossed. Each 35c.

White Moss.—Beautiful. Each 35c.

BRIDE.—This is undoubtedly one of the finest white roses ever offered. The buds are of exquisite form, the flower very double, measuring from 3 1/4 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. Each 10c.

CLOTHILDE SOUPERT.—This hybrid polyantha Tea Rose has become one of the most popular. Flowers pure white. 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.



CRESTED MOSS ROSE.

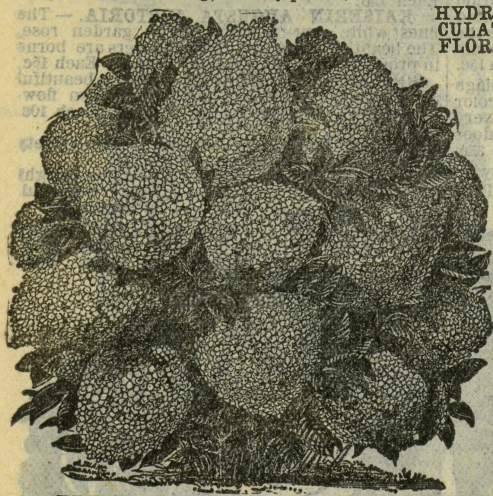
HARDY SHRUBS.

If you have a home of your own, better add permanent improvements by setting out an assortment of hardy shrubs. There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs. Our price is for strong, healthy plants, sent by mail or express prepaid.

HYDRANGEA PANICULATA GRANDIFLORA.

The grandest as well as the most popular of shrubs.

It readily attains a height of five to seven feet; hardy in all localities and needs no protection in winter; blooms the first season in July and August, annually thereafter and continues in bloom for two or three months; flowers are massive, cone-shaped, very often measuring ten in. in length, and have a pleasing variation of color, changing from the original



HYDRANGEA PANICULATA GRANDIFLORA.

pure white to pink, and finally a beautiful, rich coppery red. Each 15c, dozen \$1.25; large dormant plants, each 35c, dozen \$2.50.

CALYCANTHUS.—A beautiful sweet-scented shrub; flowers purple, quite double, exquisitely fragrant and borne in profusion during the entire season. Each 25c.

SNOWBALL.—A well known and popular shrub, which grows to large size, covered with dense, spherical clusters of white flowers, which give 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. Each 50c.

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 15c; extra large, 35c.

JAPAN SNOWBALL.—A valuable improvement on the common snowball, the flowers being smaller and more numerous. Each 35c.

EXOCHORDIA GRANDIFLORA.—(*Pearl Bush.*)—A neat, compact bush 10 to 12 feet high. Hardy; flowers pure white. Each 30c.

BRIDAL WREATH.—(*Spiraea Prunifolia.*)—A beautiful common shrub; blooms in May with long sprays of brilliant flowers; the sight is one which attracts the attention of everyone. Each 20c; small, 10c.

WEIGELA.—Superb, large trumpet-shaped flowers in June and July, of all shades from white to dark red. Either as a single specimen or in groups. It is certainly one of the most effective and satisfactory shrubs we know of. Assorted varieties. Each 25c; small, 15c.

ROSE OF SHARON, DOUBLE WHITE.—(*Althea* or *Hibiscus Syriacus.*)—One of the most beautiful shrubs; perfectly hardy and always satisfactory. Double white flowers about two inches in diameter and produced a 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.

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.

SYRINGIA.—(*Mock Orange.*)—A handsome, foliage shrub bearing immense masses of pure white, intensely fragrant flowers in June. Large plants. Each 25c.

DEUTEZIA.—*Pride of Rochester.*—By far the handsomest variety of Deutezia. 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.

SPIRAEA VAN HOUTTI.—The hardest 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; small, 15c.

SPIRAEA.—*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.

HARDY VINES.

HARDY CLEMATIS.—The most popular climbing plant of the day and is constantly gaining in popularity with everybody.

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. Blooms the entire season, from July to October. Strong plants, each 45c, postpaid. Extra large three-year-old field grown roots 75c.

CLEMATIS, Henryii.—This may be briefly described as a white flowered Jackmanii. Each 40c.

CLEMATIS, Mad. Eduard Andre.—An entirely distinct and beautiful new variety, being the nearest approach to bright red ever sent out. Each 50c.

CLEMATIS, Paniculata.—This small flowered variety of Clematis is one of our most beautiful, hardy fall blooming vines. The flowers are of pure snowy white. Each 20c. Large, extra strong plants, each 35c.



CLEMATIS.

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. Grows 10 to 12 feet high the first season and is covered with thousands of pure white flowers. Each 15c.

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 overlapping foliage, giving it the appearance of being shingled with green leaves. Each, 15c; large, strong plants 25c.

CALYSTEGIA.—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. Each, 5c; doz. \$1.50.

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. Each 15c, large strong plants 30c.

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.

GLEGOMA.—(*Variegated Ground-Ivy.*)—The foliage is a dark 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.

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.

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; doz. \$1.25.

RED CORAL HONEYSUCKLE.—(*Scarlet Trumpet.*)—There is nothing prettier than this; the foliage is pretty, neat and clean; the bright red, trumpet-shaped, fragrant flowers are attractive. Each 25; small, 15c.

HARDY BLUE SOLANUM.—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, clusters measuring 15 inches in circumference, and often attaining a length of 12 inches. Strong plants, 25c each; small 10c each.

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 it is a most desirable climber. We furnish the large tubers, postpaid, for 10c, 3 for 25c, doz. 75c.



COLLECTION.

Ten Hardy Vines, all different, our choice of varieties, but all desirable, for \$1.50 prepaid

REMEMBER We grow all the plants and shrubs which we sell—they are guaranteed—the best.

A PORCH IS UNATTRACTIVE WITHOUT PLENTY OF VINES.

Hardy Perennial Plants

It is really wonderful the immense demand which there has been for these plants during the past few years, our trade in this line multiplying fourfold every year. We pay the postage at these prices and you may select \$1.25 worth at the single rate for \$1.00.

ACHILLEA.—The Pearl.—Finest of all plants for cemetery planting. Flowers are good sized, forming a beautiful plant 18 inches high. Our cut shows one of the numerous heads of bloom with which the plant is covered. Each 10c, dozen 75c.

CRIMSON EYE HIBISCUS.—Flowers often measure twenty inches in circumference. Color of purest white, with a large spot of deep velvety crimson in the center of each flower. It will succeed anywhere and is perfectly hardy. Each 15c, dozen \$1.25; extra large 30c each. Seed 10c per pkt.

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, dozen 85c.

HELIANTHUS MULTIFLORUS PLENUS.—The flowers are from 4 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, dozen 75c.

GOLDEN MARGUERITE.—A fine yellow-flowered perennial. It is a continuous bloomer the entire summer, withstanding both wet and dry weather. Each 15c.

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, dozen \$1.75.

PHLOX SUBLATA.—(Moss Pink.)—One of the finest of low, tuft-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.

EULALIA ZEBRINA.—A stately ornamental grass for the lawn or hardy border; perfectly hardy; often produces 50 to 100 beautiful large plumes. Each 25c.

Pæonies.

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. We prepay the postage.

FESTIVA MAXIMA.—This is by far the finest double white Pæony grown. Usually sells at \$1.00 each, but we offer it at only 75c, dozen \$3.00.

LA ESPERANCE.—An exceedingly fine vivid rose colored flower. Early and free flowering. Each 35c, dozen \$3.50.

ANDRE LAURIES.—A very double flower of deep bright red. Blooms till late in season. Each 25c, dozen \$2.50.

GRANDIFLORA R. BRA.—Extra large perfect balls of brood red magnificent flowers. Probably the largest red variety in existence, often 8 or 9 inches across. Each 35c, doz. \$3.50.

DOUBLE WHITE.—Large size double flowers. It is about as pure white as any other double white; is a free bloomer. Each 40c, doz. \$4.00.

RUBRA TRIUMPHANS.—Flower rich, brilliant, glowing, shining crimson color. Each 25c, dozen \$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 30c, dozen \$3.50.

PINK MONARCH.—One of the best tall growing sorts. Flower light pink, handsomely variegated with carmine pink. Each 25c, dozen \$2.50.

MEDIUM PINK.—A fine large flower of handsome, bright pink color. Blooms freely. Each 25c, dozen \$2.50.

FINEST MIXED.—This mixture contains many of the choicest American and foreign sorts. Only 20c each, \$2.00 per dozen, \$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, dozen \$1.50, per 100 \$10.00, or if sent at purchaser's expense, \$7.50 per 100.

ROSE FRAGRANS.—Large flowers of rich, dark, rose color and exquisite fragrance. Blooms late in season. Each 25c, doz. \$2.50.

VICTORIA TRICOLOR.—Very large full flower, outer petals pale rose mottled with pink; center yellowish white. Each 25c, dozen \$2.50.

POTTSH.—Finest dark crimson sort, the color being very rich and showy; very double. Each 35c, dozen \$3.50.



PEARL ACHILLEA.

GRASS PINKS.—The hardy and pretty clove-scented flowers which our grandmothers loved. 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. Each 15c, dozen \$1.25.

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. The flowers are large, 2 1/4 to 3 1/4 inches in diameter. Each 15c, dozen \$1.50.

MYRTLE.—A handsome trailing plant largely used for cemetery planting. Beautiful, glossy dark green leaves. Each 10c, doz. 75c, 100, \$4.00.

LEMON LILY.—(Hemerocallis Flava.)—Clear lemon yellow, very bright, pleasing appearance. 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.

HARDY PERENNIAL PHLOX.—These are among the most useful and desirable of our hardy herbaceous plants, and should be planted largely. Our collection embraces the best new and old varieties mixed. Each 10c, dozen \$1.00.

JAPANESE IRIS.—(Kaempferi.)—These magnificent Iris are among the most beautiful of our summer flowering plants and are marvels of elegance and stateliness. Once planted in your garden they are a joy for a lifetime. 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, dozen 85c.

HYPERICUM MOSERIANUM.—One of the very best herbaceous plants of recent introduction. Flower 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.

RUDECKIA. GOLDEN GLOW.—A glorious new hardy plant. It will be found excellent also for cut flower purposes. The stems are long and gracefully poised. The foliage is abundant and ornamental. 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. Nice for a screen row at back of lawn. Each 10c, dozen \$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, dozen \$1.50.

DICENTRA SPECTABILIS.—The old Bleeding Heart, the flower of our childhood. Bears in early spring, long chains of pendulous bloom of exquisite beauty. Each 20c.

Violets.

Of all delightful perfumes that of Violets is the most delicate and pleasant, and place the modest little blue flowers among our greatest favorites. Violets grow and bloom freely in given a cool situation; cover well in winter.

SWANLEY WHITE.—Unquestionably the finest double variety in existence. The plants are of vigorous growth, producing a great many of the pure, snowy white double flowers. Each 10c, doz. \$1.00.

MARIE LOUISE.—To contrast with the white we offer this, the finest double blue violet grown. Ea. 10c, doz. \$1.00.

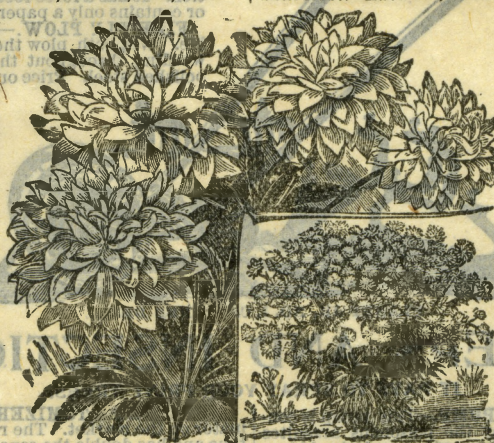
CALIFORNIA.—Grand new single variety. A sturdy grower, dense, heavy foliage, free from disease. Each 10c, dozen \$1.00.



SWANLEY WHITE VIOLET.



BLACKBERRY LILY.



RUDECKIA



PÆONY.

WE INVITE FLOWER LOVERS TO VISIT OUR TRIAL GROUNDS—12 ACRES OF FLOWERS.

SPECIAL PRICES ON PLANT & GOODS WHEN ORDERED WITH SEEDS

TOOLS AND IMPLEMENTS.

Notice reduced prices. If you desire it we will send illustrated circular of Planet Jr. and Matthews' tools

MATTHEWS' NEW UNIVERSAL CONSTELLATION DRILL.—The latest improved. And we are convinced that this new tool is one of the best. It sows perfectly all kinds of seeds at any depth with mechanical precision, covering and rolling it down in the most approved manner; has a very complete set of cultivating attachments consisting of plows, hoes, rakes and cultivator teeth. Price only \$8.50; the cheapest combined drill and cultivator on the market.

MATTHEWS' NEW UNIVERSAL GARDEN DRILL.—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. Price \$6.50.

PLANET JR. NO. 4. COMBINED SEEDER AND CULTIVATOR.—The drill is easily detached and the tool frame substituted. Has all the attachments except the rakes. Price \$10.00. Set of three rakes, if desired, \$1.00 extra. Price for plain drill, without cultivating attachments, \$8.00.

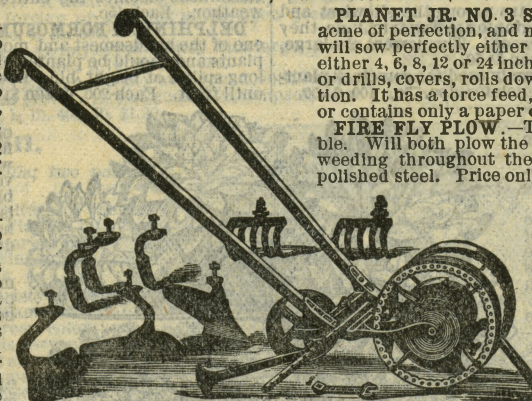
PLANET JR. NO. 1, COMBINED DRILL AND CULTIVATOR.—As a cultivator it is admirably adapted to deep mellowing of the soil. It sows all garden seed accurately at the desired depth. Each machine is sent out with all the tools, except the rakes. Price \$9.00. Pair of rakes for same, 50c extra.

UNIVERSAL DOUBLE WHEEL HOE—Complete.—A greatly improved implement which will work both sides of the row at once in a most thorough manner. Consisting of one pair each of hoes, plows, rakes, narrow cultivator teeth, and wide cultivator teeth. Price only \$5.50.

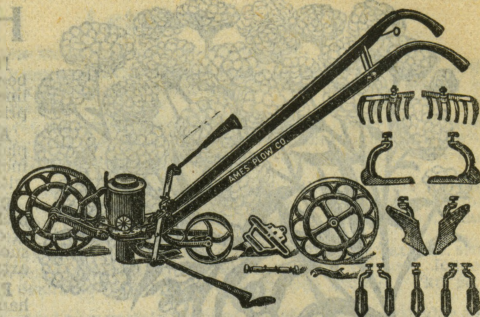
UNIVERSAL DOUBLE WHEEL HOE—Plain.—The above tool with only one pair of hoe blades for \$3.50.

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.

FARMER'S SINGLE WHEEL HOE.—This is made by the manufacturers of the celebrated Planet Jr. tools and is specially designed for farmer's garden 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. The wheel is high so that it runs easily. The attachments consist of a large plow steel, a 10-inch and 5-inch sweep, 4-inch and 2-inch cultivator teeth. Strength, variety of tools and cheapness are its great virtues. Price \$3.75.



PLANET JR. NO. 1, COMBINED DRILL.



MATTHEWS' NEW UNIVERSAL CONSTELLATION DRILL AND CULTIVATOR.

PLANET JR. NO. 17, SINGLE WHEEL HOE.—Has one pair of hoes, three cultivator teeth and a plow. 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. It will do the work of six men with ordinary hand hoes. Price \$6.50. Rakes 75c per pair extra.

PLANET JR. NO. 3 SEED DRILL.—We regard this drill as the acme of perfection, and most decidedly the best seed sower made. It will sow perfectly either in a continuous row or drop the 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. Will both plow the garden and attend to the cultivating and weeding throughout the season. The moldboard is tempered and polished steel. Price only \$2.25.

PLANET JR. NO. 16, SINGLE WHEEL HOE.—Adjustable handles and quick-change frame. The tools are a well-shaped plow, 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. Hand levers regulate both width and depth. It is provided with a pulverizer which leaves ground in fine condition. Price \$8.00, or without a pulverizer, \$6.40.

SPRAYERS AND INSECTICIDES.

IT PAYS TO SPRAY YOUR FRUIT TREES.

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. The operator is enabled to keep a constant pressure on the nozzle of from 40 to 100 lbs., with very ordinary exertion, will throw solid stream 50 to 60 feet; fitted with hose and imperial combination fine or 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.

STAR INSECT POWDER GUN.—Handy size for house use, to blow powder in cracks and crevices. 10c each; postpaid 13c.



DAISY SPRAYING PUMP.

BELLOWS.—Useful for applying Slug Shot or any kind of insect powder. Length 23 inches. Holds 6 ounces of powder. Price \$1.00. Postage, if sent by mail, 30 cents extra. **Spreader,** for distributing powder more evenly, 25c each.

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.

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 grape vines, small trees and shrubbery. Made of heavy brass and very durable. Price by express, not prepaid, \$1.00.

LIGHTNING ATOMIZER NO. 2.—Decidedly the best insect exterminator on the market. The reservoir is made of the best brass with double tube and has double the capacity of any other atomizer that we know of, thoroughly covering a 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 lodgement. 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.

TOBACCO DUST.—Destroys rose bugs, lice, cut-worms, vine bugs, to-mato worms, currant worms, cabbage lice and parasites of all descriptions. Price, lb. 10c, 5 lbs. 25c; 16c per lb. extra if by mail.

DALMATIAN INSECT POWDER.—The best grade, fresh, and nice. 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. Price, ½ gal. can \$1.00, 1 gal. can \$1.50, 5 gal. can \$7.00.

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. Price, 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, each \$7.00.

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. 3-oz. cake, sufficient for 1½ gallons prepared solution, 10c, mailed postpaid 13c; 8-oz. cake, sufficient for 4 gals. prepared solution, 20c, mailed postpaid 28c.

HAMMOND'S SLUG SHOT.—It destroys all insects injurious to house and garden plants, shrubs, trees, vines, potatoes, melons, cabbages, currants, vegetables and fruit of all kinds. Not prepaid, 5 lbs. 3c, 10 lbs. 6c, 25 lbs. or more at 5c per lb; postpaid 1 lb. 25c, 4 lbs. 95c.

DUSTERS.—For Hammond's Slug Shot, each 3c. **RIPLEY'S COMPRESSED AIR SPRAYER.**

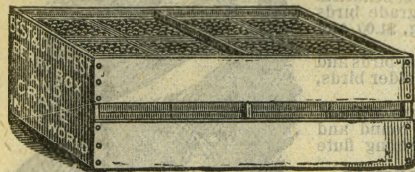


RIPLEY'S COMPRESSED AIR SPRAYER.

SPECIAL PRICES ON PLANET JR. GOODS WHEN ORDERED WITH SEEDS.

FRUIT PACKAGES.

We are the oldest as well as the largest dealers in Fruit Packages in the west. The best always in stock at the lowest possible prices is the aim of the Iowa Seed Co. Special prices in quantity.



BERRY BOXES. Made of (p)lar heart stock, cut smoothly, and perfect shape; size $4\frac{1}{2} \times 3\frac{1}{2}$, and will hold a wine measure quart. Are put up in bundles of 500 boxes complete for shipment. We furnish 500 at the 1,000 rate; broken bundles at the 100 rate. Price per hundred 45 cents; one thousand \$3.60. If a large lot is wanted ask for special prices and we will send quotations.

ANNEALED TACKS.—One pound will make one thousand boxes; per pound 25 cents; five pounds \$1.00.

MAGNETIC TACK HAMMER.—Picks up the tacks and saves much of the labor. Price 12 cents each.

FORMS.—Just the right size to make the boxes on, covered with an iron plate to clinch the tacks. Price 35 cents.

CRATE NAILS.—Twelve pounds (will make one hundred crates) \$1.00.

CRATES.—Ship in the flat, will hold sixteen to twenty-four quart boxes; sixteen quart crates, ten for \$1.00; one hundred \$8.00; twenty-four quart crates, ten for \$1.10; one hundred \$9.00.

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 one at \$25.00.

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 nested for shipment. Price for ten 50 cents; twenty-five for 90 cents; one hundred for \$3.00. Ask for our special prices on extra large amounts.

SMALL CLIMAX GRAPE BASKET.—For fancy grapes, etc. Will hold about four pounds. Price for ten 50c, twenty-five 90c, hundred \$3.00.

WARREN'S BERRY PICKING CRATE.—Price 25c each, dozen \$2.50.

DIAMOND MARKET BASKET.—Has two handles which close down over edge of basket. Used quite largely for marketing grapes, cherries, plums, and for some kinds of vegetables. Per dozen 45c, ten dozen \$3.75.

ROTARY CORN PLANTER.—It is 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. Price \$1.50.

EUREKA POTATO PLANTER.—Best hand potato planter we know of. Does the work perfectly. Plants beans and seed corn equal to any corn planter. You will be pleased with this planter as it has given complete satisfaction wherever tried. Price \$1.25.

RAMSEY ADJUSTABLE CORN HUSKER.—Most durable husker made, therefore the cheapest. Price 50c each, postpaid; six for \$2.50.

DANDELION PULLER.—Each 25c; by mail 40c.

MAGNIFYING GLASSES.—Wood frame $2\frac{1}{2} \times 4\frac{1}{2}$ in., with legs. Price 75c each, or 80c each postpaid.

SPHAGNUM MOSS.—Price \$1.25 per bale, five bales or more @ \$1.10, ten bales or more @ \$1.00.

CLIPPER SEED CLEANER.—This is an updraft fanning mill and does the best work. Price only \$22.00, or, if sent direct from the factory in Michigan, only \$19.40.

FARM FANNING MILL.—Price \$16.00.

REDDICK MOLE TRAP.—If you are bothered with moles you should purchase one of these traps. Price \$1.

OUT O' SIGHT MOLE TRAP.—Price \$1.25 postpaid, or \$1.00 by express.

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.

The crank can be used on either the right or left side.

It weighs only $3\frac{1}{2}$ pounds; will sow fifty feet of wheat or rye at a round, thirty to thirty-six feet of flax, clover, timothy or millet, light grass seeds fifteen to thirty feet. Price only \$1.50.

IOWA BROADCAST SOWER OR GEARED LITTLE GIANT.—An improvement on the Little Giant. 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 weighs three pounds complete. Price \$1.25.

CONCAVED AND CURVED SEED POTATO KNIFE.—Right shape to cut one, two or three eye pieces fast and not crack the tuber nor injure the germs. Price 35c.

RAFFIA.—Excellent for tying asparagus and other vegetables. Also used for budding. Per pound 25c, ten pounds \$2.00; by mail, pound 45c.

WATER'S TREE PRUNER.—The standard make; with

6 foot pole.....\$.85

8 foot pole.....\$ 1.00

10 foot pole.....\$ 1.20

WATER'S TREE PRUNER.—The standard make; with

6 foot pole.....\$.85

8 foot pole.....\$ 1.00

10 foot pole.....\$ 1.20

A HAND SEEDER WILL SOON PAY FOR ITSELF. GET ONE NOW.

WIRE PLANT STANDS.

We carry a larger stock of these than any firm in the west, and in place of the common iron frames we are now having them manufactured with steel frames, and they are far stronger, handsomer and lighter than any yet offered. Nicely finished with green paint and gold bronze. Will last for twenty years.

No. 10.—A very popular stand and well shown by the engraving except that we usually make them with a gothic arch. It holds twenty to thirty plants. Height 5 ft. 10 in.; width 3 ft. 4 in.; depth 2 ft. 2 in. We sell more of these than any other pattern and are thus enabled to make a specially low price. List price \$7.00. Our price, including arch and hanging basket, \$4.50.

No. 11.—Same as above, but without arch or hanging basket. List price \$5.50. Our price \$3.50.

WIRE WINDOW SHELF.—This can be fastened to window frame, inside or outside and is strong and attractive, 36 inches long and 6 or 7 inches wide. Price \$1.00 each.

WIRE BRACKET.—This new pattern is a very cheap, handsome bracket made of tinned wire. Is easily put up, adjustable, can be instantly removed, is simple, practical and durable. Price 4-inch 10c each; 5-inch 12c each; 6-inch 15c each; 8-inch 25c each; 10-inch 35c each; 12-inch 45c each; 15-inch 65c each; 18-inch 85c each extra.

LANG'S HAND WEEDER.—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 each; \$2.50 per dozen; or 30 cents each postpaid.

EXCELSIOR WEEDING HOOK.—Can be used to great advantage among small and tender plants. Price 10c; dozen \$1.10; or postpaid for 20 cents each.

ACME SEED DRILL.—Is simple in construction and by its use you will save time, save seed, make the work easier and get a better stand. Price \$1.25, or to persons who order seeds from us also, the price will be \$1.00 charges prepaid.

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, jardiniere, hanging baskets and vases at extremely low prices. A nice plant is deserving of one.

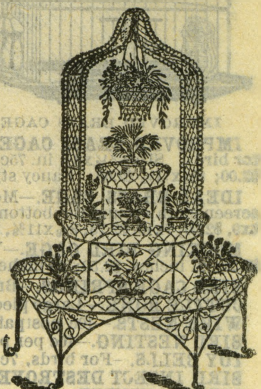
BOWKER'S AMMONIATED FOOD FOR FLOWERS.—A fertilizer made especially for plants grown in the house, garden or conservatory; clean, free from offensive odor and is largely soluble in water, producing healthy plants and abundant blossoms, to which it imparts a rich and brilliant color. It starts plants at once into a vigorous and healthy growth, drives insects and worms from the soil. A large box containing sufficient for twenty plants for one year 25 cents, or postpaid 40 cents; small package 15 cents, or postpaid 25 cents.

WALKER'S EXCELSIOR PLANT FOOD.—A soluble food for house plants containing all of the elements necessary to nourish and make beautiful both flowers and plants. Makes brighter flowers and prolongs period of blooming. A large box containing sufficient for twenty-five plants for one year 25c, postpaid 40c; small package 15c, postpaid 25c.

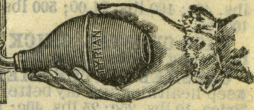
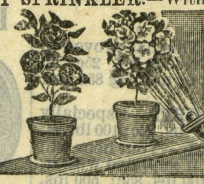
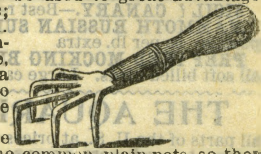
JAPANESE PALM FOOD.—A chemically prepared fertilizer that will make healthy plants and beautiful foliage. Odorless, soluble and very readily assimilated. Endorsed by all plant lovers who have used it. Excellent for palms, ferns, rubber plants, etc.; 25c, postpaid 45c.

TYRIAN PLANT SPRINKLER.—With it you can, without injuring the plants or soaking the earth, quickly sprinkle them. Price 75c postpaid.

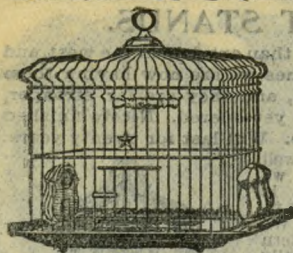
PLYMOUTH ROCK CHICKEN FOOD. Our experience of more than 30 years' business in handling poultry supplies has convinced us that it is necessary to use some good food for small chickens, as thousands of young chickens are annually lost by feeding wet food when they are first hatched. We have experimented with different mixtures until we have finally manufactured one which we think is about as close to perfection as we can attain. This food is composed of various kinds of grains, grit and other nutritive foods which have a tonic effect on the system. The food is to be given dry and will take the place of all kinds of grain or other mixtures ordinarily fed. It is a safe and nutritious food which we sell at a reasonable price so that no one raising chickens can afford to be without it. Price per 25 lb. bag 75c, 50 lbs \$1.35, 100 lbs \$2.50.



No. 10.



CAGE BIRDS.



IMPROVED BRASS CAGE.

IMPROVED BRASS CAGES.—Well made, better than painted cages for birds. Sizes $5\frac{1}{2} \times 8\frac{1}{2}$ in. 75c; 6×9 \$1.00; $6\frac{1}{2} \times 9\frac{1}{2}$ \$1.25; 7×10 \$1.50; $7\frac{1}{2} \times 10\frac{1}{2}$ \$2.00; $8\frac{1}{2} \times 11\frac{1}{2}$ \$2.50. Fancy styles and larger sizes \$2.00 to \$5.00 each.

IDEAL BRASS CAGE.—Most elegant cage ever sent out. The brass screen cloth around the bottom prevents scattering of seed or gravel. Size 6×9 , \$2.00; 7×10 , \$2.75; 8×11 , \$3.25; $8\frac{1}{2} \times 11\frac{1}{2}$ fancy top, \$5.00.

MOCKING BIRD CAGE.—Wood frame, 17 inches long, \$2.00; 19 inches \$2.25; 21 inches, \$2.50; 24 inches, \$2.75; 26 inches \$3.00.

BIRD CAGE SPRINGS.—Brass, 10c each postpaid. Double spring 15c.

CUTTLE BONE.—Large piece, with holder 7c; dozen 60c, postpaid.

WIRE NESTS.—10c postpaid.

BIRD NESTING.—10c per pkg. postpaid.

TOY BELLS.—For birds, 7c postpaid.

BIRD INSECT DESTROYER.—Pkg. 10c, postpaid.

SONG RESTORER.—Very good to sustain the voice as well as to restore it. Small cakes 5c each; doz. 50c, postpaid.

IDEAL BIRD GRAVEL.—Of superior quality. 2 lb. pkg. 10c; \$1.00 dozen. Postage 32c per pkg. extra.

SUPERIOR MIXED BIRD SEED.—This is a specialty with us and we sell tons of it. Lb. 10c; 3 lbs. 25c; 13 lbs. \$1.00; 50 lbs. \$3.50; 100 lbs. \$6.75. Postage 10c per lb. extra.

GERMAN SUMMER RAPE.—For Canaries. Same price as above.

SICILY CANARY.—Best re-cleaned. Same price.

MAMMOTH RUSSIAN SUNFLOWER.—Lb. 10c. 3 lbs. 25c 15 lbs. \$1.00 Postage 6c per lb. extra.

PREPARED MOCKING BIRD FOOD.—Best food on the market for all sort billed birds. Large can 35c, postpaid 50c.

THE AQUARIUM.—Fish safely to all parts of the U. S., at prices quoted. We ship by express at purchasers expense. Large Aquaria Catalogue free.

GOLD FISH.—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. 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.

COMET FISH.—Also called "Gorgeous Tails," "Long Tailed Beauties" and "Fancy Gold Fish." 25c each, medium size 35c each, large 50c each. Extra choice colors and markings 75c to \$1.25.

JAPANESE FANTAIL FISH.—The tail is V-shape and frequently divided so that it might be called two distinct tails. Nice specimens 50c each. Choice 75c, Fancy \$1.00.

AMERICAN FANTAIL FISH.—Bred from the Imported Japanese fish. Price 25c, 35c, 50c, and 75c each.

ORIOLE FISH.—Variegated golden red and clear black. Medium size 25c each; 5 for \$1.00.

PEARL FISH.—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.

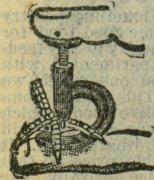
JAPANESE FRINGETAIL FISH.—These aristocratic fish are undoubtedly the most beautiful of all aquaria fish, having extremely long drooping tail and fins. Nice specimens at \$1.50 each; select at \$2.50 each.

AQUARIA BOOK.—How to breed and care for Gold Fish, etc., 64 pages, 15 cents; cloth bound 50 cents, postpaid.

MICA CRYSTAL GRIT.—This has proved to be the best on the market. Price 10 lbs. 25c; 25 lbs. 40c; 100 lbs. \$1.00; 500 lbs. or more at 85c per 100 lbs.

MICA CRYSTAL CHICK GRIT.—Especially for young chicks. 10 lbs. 25c; 25 lbs. 40c; 100 lbs. \$1.00.

CRUSHED OYSTER SHELL.—Your hens will keep healthier and lay better if supplied with it. Price, 10 lbs. 25c; 25 lbs. 40c; 100 lbs. 85c; 500 lbs. or more at 75c.



PHILADELPHIA POULTRY MARKER.

CRUSHED RAW BONE.—10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.00.

PHILADELPHIA POULTRY MARKER.—A convenient little spring punch for marking chickens by making a small hole in the web of the foot. 25c each postpaid.



GLASS FISH GLOBE.

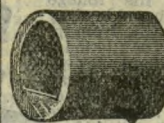
GLASS FISH GLOBES.—These are neat, cheap and consequently more popular than the large aquariums. The 8, 9, 10 and 11-inch are the sizes most used.

DIAM.	HOLDS	EACH	DIAM.	HOLDS	EACH
5 in.....	1 qt.....	.25	10 in.....	8 qts.....	1.00
6 in.....	2 qts.....	.40	11 in.....	12 qts.....	1.25
7 in.....	3 qts.....	.50	12 in.....	16 qts.....	1.75
8 in.....	4 qts.....	.60	15 in.....	30 qts.....	3.00
9 in.....	6 qts.....	.75			

STANDING FISH GLOBES.—Write for prices.

EUREKA AQUARIUM.—A strong iron-frame tank. Capacity about 7½ gallons. Price only \$5.00.

POULTRY SUPPLIES.



DRINKING FOUNTAIN.

GAPE WORM EXTRACTOR.—Price, each 15c; 4 for 50c, postpaid.



IOWA LEG BAND.

—Made of soft pliable brass. Numbered with plain figures. Price 20c per doz. \$1.00 per 100, postpaid.

SANITARY DETACHABLE FOUNTAIN.—2 qt. 25c; doz. \$2.50; gal. 35c; doz. \$3.50; 2 gal. 50c; doz. \$5.00.

STONEWARE DRINKING FOUNTAIN.—Price, 2 qt. 25c; doz. \$2.50; gal. 35c; doz. \$3.50; 2 gal. 50c; doz. \$5.00.

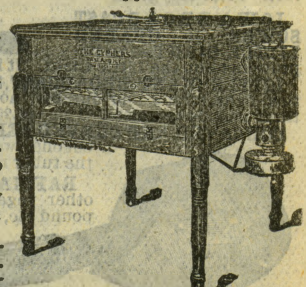
CAPONIZING INSTRUMENTS.—Set \$2.50, prepaid.

INCUBATOR EXTRACTOR.—Price, each 15c; 4 for 50c, postpaid.

INCUBATORS AND BROODERS.

We handle the celebrated Cyphers Incubators and Brooders. Prices on application.

TESTED THERMOMETER.—For incubators. Each 80c by mail.



CYPHERS INCUBATOR.

POULTRY WIRE NETTING.—The best make, thoroughly galvanized to prevent rusting, properly twisted. Prices on application.



RED BIRD OR CARDINAL.

Whistles so nicely it is sometimes called the Virginia Nightingale. \$2.50 each; females, \$2.00 each.

EUROPEAN GOLDFINCH.—The HARTZ MOUNTAIN CANARY. Most delightful of parlor birds. Has brilliant plumage and usually an excellent song. \$2.50 each.

NONPARIEL.—Sometimes called "Painted Bunting" on account of its brilliant coloring. \$2.00 each.

PARROTS.

The past year we sold about 1500 parrots, shipping to almost every town of importance in the U. S. We guarantee each bird to learn to talk.

MEXICAN DOUBLE YELLOW HEAD PARROT.—This is the most generally satisfactory of all species of parrots. If the teaching of these birds begin when they are young, they learn to talk quite readily and become very fluent. Usual price \$15.00 each. During the summer, price for young birds is lower.

OTHER PARROTS.—We can usually furnish other breeds at \$5.00 to \$25.00 each. Educated parrots \$15.00 to \$40.00 each. When you are ready to buy ask for list of birds in stock and prices.

ROUND PARROT CAGES.—Strong, handsome and thoroughly well made. 12 in. in diameter \$1.50; 13 in. \$2.00; 14 in. \$2.50; 16 in. \$3.25; 18 in. \$4.25.

PARROT BELLS.—Each 8c, postpaid.

RED BIRD MIXTURE.—For Red Birds, Grosbeaks, etc. Lb. 10c. 3 lbs. 25c; 13 lbs. \$1.00; postage 10c per lb. extra.

MIXED PARROT SEED.—Best. Same price as above.

I. S. CO.'S BIRD TONIC.—An excellent remedy for colds, asthma, hoarseness and other throat ailments. Per bottle 15c, postpaid 25c.

TELESCOPE FISH.—Eyes are abnormally large and bulging. Price \$1.00 to \$1.50. Black Telescopes which are quite rare, \$3.00 each.

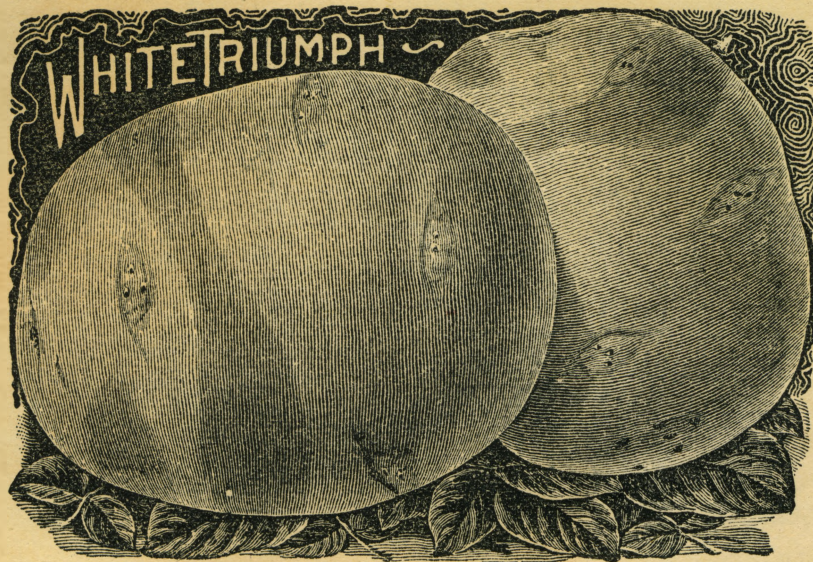
SHIPPING BUCKETS.

Unless you order a fish globe with 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.

AQUARIA SUPPLIES.

AQUARIUM CASTLES.—A great variety of styles and sizes from 10c to \$2.50.

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 doz. postpaid.

**EARLY WHITE TRIUMPH POTATO.**

Novelty 1904.

For three years past we have been watching this variety, and we now take pleasure in introducing it to our customers. It has been tested with more than one hundred varieties and proved of exceptional value. It is earlier than the Early Ohio, and a better yielder. In shape it resembles the Bliss Triumph, which is so popular now, especially in the south. It has somewhat the appearance of the Improved Peachblow, but is smoother and the eyes are not so deep. It has the same fine grain, mealy qualities and excellent flavor which was characteristic of the old Peachblow and which still make so many calls for that old variety every spring. In spite of being such an early sort it is very productive, yielding every year a large crop of good size, perfect shape tubers, pronged or misshaped ones being unknown. Owing to the peculiarly unfavorable season the potatoes are not as large this year as usual, but still they yielded a fine crop—larger in fact than any of the other sixteen varieties planted in the same field. It has won prizes wherever exhibited took \$18.00 at the Iowa State Fair in 1901; won first prize for new variety and sweepstakes for best potato over all other varieties. It has also won many special prizes and been pronounced by many persons the finest potato in existence for exhibition. Summing it all up, it is as early as any other, of handsome shape and color and unsurpassed for table use. Per lb. 35c, 3 lbs. \$1.00, postpaid; by freight or express, ½ pk. 65c, pk. \$1.00, bu. \$3.50.

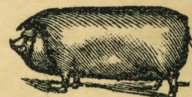
GIANT HALF SUGAR MANGEL.

Another year adds to the popularity of this grand sort, and in Canada alone over fifty thousand pounds of seed were sold last year. In our own tests of 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 sugar sweetness and highly nutritive qualities of the sugar beet. Shape of root is shown by our illustration and it stands so well out of the ground that it can almost be "kicked out" instead of plowing or digging. Root is white, top shading to 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 five cents per bushel to grow and harvest. Per pkt. 6c, oz. 10c, ¼ lb. 20c, lb. 60c, postpaid; by express, five lbs. (will plant one acre) \$2.00. Directions for growing, storing and feeding free to our customers.

**"Root Hog or Die."**

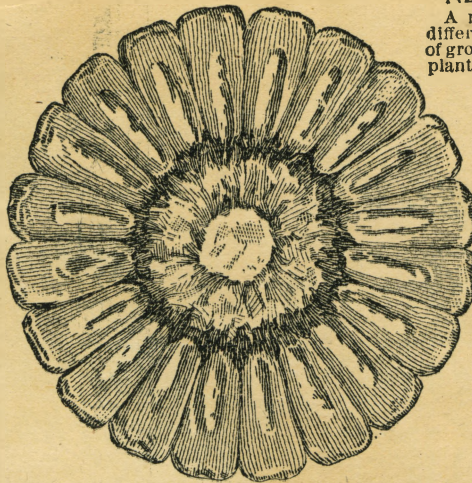
It is the nature of hogs to feed on roots and it is working against nature to try to fatten them with corn alone.

It has been stated that hog cholera is unknown in herds where plenty of mangels and other roots are fed.

**Try It this Year.****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 the Iowa Silver Mine and we now offer this new variety as coming nearest to our ideal. We introduced it last spring and there was a demand for fully five times as much as we could supply, and we returned money to a vast number of customers after our stock was exhausted. Corn growers should appreciate the fact that this wonderful new variety of corn—the only one ever planned and bred according to the true scientific principles of breeding corn, beginning with five years labor on the plant alone without reference to the ear till a perfect one in all its individual parts, full of vigor, health and beauty was built up. Then, after years of modifying and fertilizing the ear, one was moulded marked by its uniformity in shape and fixed type and beautiful golden yellow color. See description on another page. Per pkt. 6c, lb. 30c, 3 lbs. 75c, postpaid; by freight, peck 90c, bushel \$3.00.

I planted the Golden West corn purchased of you, May 11th, and it was out of danger from frost September 8th. I am very well pleased with it and think it will come up to all you claim for it. Although we have had a very wet season to raise corn, still the seed purchased of you was far ahead of that purchased of one of your competitors.—C. A. Bonar, Adams Co., Ia.



GOLDEN WEST CORN.

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 25 stalks from each seed. There are sometimes 3 to 7 ears to the stalk, 8 to 10 inches long. 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 cakes. Is an improvement on the Brazilian Hour corn, being acclimated by growing for eight or ten years in the north. Yields 100 to 150 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 ten to twelve feet high, produces three to seven ears on a stalk and ten to twenty stalks to the hill from one seed planted. The ears are about nine inches long and it yielded seventy-five 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." Plant early as it requires the whole season to mature in this latitude. Pkt. 10c, ¼ lb. 15c, lb. 40c, 3 lbs. (will plant one acre) \$1.00, postpaid; by freight, ½ pk. 75c, pk. \$1.25.

\$1.00 Collection of the Best Garden Vegetables. SURE TO PLEASE YOU.

Thirty-five Varieties. 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 Gentlemen Corn, Perfect White Spine Cucumber, Improved Ground Cherry, American Mammoth Brussels Sprouts, Page's Striped Klee Pop Corn, Continuity Lettuce, Improved Hanson Lettuce, Rocky Ford Musk Melon, Duke Jones Watermelon, Large Red Wethersfield Onion, Mammoth Prize Taker 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. All for \$1.00.

Popular Collection, 20 for 50c.

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

Bargain Collection - 12 for 25 Cents

Consists of one packet each of Aster, Balsam, Cypress Vine, Petunia, Eschscholtzia, Mignonette, Phlox, Pansy, Pink, Sweet Peas, Verbena and Zinnia.

Our 10 Cent Trial Collection

Consists of one packet each of Balsam, Candytuft, Pinks, Mignonette, Pansy and Sweet Peas.

These Collections Cannot be Changed or Divided.



**GIANT HALF SUGAR
MANGEL**

BEST OF ALL
FOODS FOR
HOGS AND
CATTLE



"ROOT HOG
OR DIE"

HOGS
MUST HAVE
SOME ROOT
FOOD IN ORDER
TO BE
HEALTHY

Two Grand Varieties
For 1904
Pure Bred Immensely Productive

NEW CENTURY
WONDER

GOLDEN WEST

THE MOST PRODUCTIVE
YELLOW CORN IN
THE WORLD.

Early White Triumph

EARLIEST POTATO IN
THE WORLD AND MOST
PRODUCTIVE OF ANY
EARLY SORT.