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**FARMER SEED & NURSERY CO.**  
FARIBAULT, MINNESOTA.



HYSLOP CRAB

HIBERNAL

WEALTHY

ANISIM

N. W GREENING

**FARMER SEED & NURSERY CO.**  
FARIBAULT, MINN.

FOR FULL DESCRIPTION  
AND SPECIAL OFFER  
OF THESE APPLES  
SEE PAGES 99 to 101.



# To Our Friends and Customers:

At the beginning of the New Year we present our twenty-seventh Annual Catalog, and thank our friends for their liberal patronage during the past season. In looking over our mailing list, we cannot help but notice that many of our patrons have received our catalog every year since we have been in business. This means regular and well satisfied customers for twenty-six years. That is the secret of our business success, for "once a customer, always a customer".

To us, issuing our catalog for twenty-seven years, also means so many years of **down to earth seed growing and breeding**, which is the foundation, — the backbone of our business. Of this extensive growing, breeding, and experimenting, our customers have received the full benefit. We never offer any new varieties and novelties without first giving them a thoro trial on our farms. Carefully bred up and selected strains, having inherent and reproducing qualities, are the only ones that can be depended upon for best results.

The progressive farmer disposes of his scrub live stock, and introduces new blood of as good and practical breeding as possible. In the growing of farm and garden seeds, however, much larger and quicker returns can be had than with live stock, by planting carefully bred and thoro acclimated seed stock, procured from a reliable seed grower.

In spite of the unfavorable growing season, we were fortunate enough to produce and secure good stocks of the various kinds of Seed Corn, Seed Grains, and Garden Seeds, and carried over a large stock of Seed Corn from last season. Strictly Minnesota grown Seed Corn of high vitality will be scarce, as very little Corn matured in this state. In Alfalfa, Clovers, Beans, and Onion Seeds, there will also be a shortage, and prices will be considerably higher than usual. For this reason, we urge ordering early, before the best stocks are exhausted.

We again desire to express our sincere gratitude for the large measure of success we have achieved, and the confidence placed in us by our patrons. We hope that every purchase from this catalog will increase not only the popularity of our Seeds and Plants, but also the prosperity and success of every customer.

**FARMER SEED & NURSERY CO.,** W. M. KUEKER, Manager.

## General Directions to Customers.

*The attention of our customers is respectfully called to the following directions, which will, if followed, be an aid to the purchaser as well as ourselves.*

**CAUTION:**—Please be careful not to direct your correspondence to the Faribault Seed Co., but to the FARMER SEED & NURSERY CO., Faribault, Minnesota, otherwise we are not responsible for an answer nor for the amount sent.

**CATALOG INDEX**—To quickly find any article in this catalog, refer to the index on page 127.

**NAME AND ADDRESS**—Please remember to write your Name, Post Office, County and State, also number of street or P. O. box as distinctly as possible on every order sheet as well as every letter sent to us.

We frequently receive letters containing money and orders, which we cannot fill because the sender has failed to sign his name, or the P. O. address is omitted and the postmark blurred. Use our order sheet and envelope whenever you can, filling out the blank and signing your name and you will have no cause to censure us.

**TERMS**—With every order you send us please enclose a remittance for the full amount, as we do not fill orders unless the cash is sent with them.

**HOW TO SEND MONEY**—Money can be safely sent, either by POSTOFFICE MONEY ORDER, BANK DRAFT, EXPRESS MONEY ORDER, or in a REGISTERED LETTER. We are responsible for all money sent us in this way. Do not send money loose in a letter without registering it, as it is not safe and if lost we cannot be responsible for it. Silver coins should be sewed in cloth to prevent wearing thru the letter. Please do not send POSTAGE STAMPS in amounts over \$1.00, and have denominations in 1 and 2 cent stamps only. We cannot use Canadian or other foreign postage stamps.

**ORDER EARLY**—We earnestly request all customers to place their orders early, as it will assist us greatly in getting everything out promptly.

**QUICK SHIPMENT**—is our motto. We have the facilities, and our experience and improved methods of packing and shipping enable us to fill orders almost immediately upon receipt; customers are promptly notified when goods are shipped and how forwarded.

As potatoes, onion sets and nursery stock cannot be sent during the extremely cold weather, orders for them are acknowledged and the goods shipped as soon as the weather moderates, and customers are then notified of shipment.

**FORWARDING**—We deliver, postage paid, to any postoffice in the United States, Vegetable and Flower Seeds at the prepaid prices quoted in catalog. Potatoes, Implements and other bulky and heavy goods, are shipped by freight or express at purchaser's expense. If seeds which are quoted without postage are ordered to be sent by parcel post, postage must be added according to the zone system and extra allowance made for weight of packing carton, boxes, etc., otherwise we are compelled to send so much less seed. Nursery Stock, where no prepaid prices are given, will be sent by express or freight, the customer to pay the charges. Seeds, Plants and Bulbs are now taken by the Express Companies at greatly reduced rates.

If customers will leave the way of how to ship to us, we will use our best judgment in sending the order the quickest and cheapest way, and think that, with our experience gained by shipping so many thousands of orders every year, we can do well for you.

**PACKING**—No charge is made for boxes or packing, nor for delivery to our Freight Depots or Express Offices.

**PREPAID RAILROAD STATIONS**—Many of our farmer customers live at a Prepaid Railroad Station, where there is no agent. In such cases we must request them to send sufficient money to prepay freight charges. If this is not done, we will ship to the nearest station that is not a prepaid station.

**OUR RAILROAD CONNECTIONS are the VERY BEST**—We are located on such far-branching roads as the C. M. & St. P.;—C. R. I & P.;—C. G. W.;—Dan Patch; and secure thru rates to nearly all points on the C. & N. W.;—C. B. & Q.; and their branches.

**SAFE ARRIVAL OF PACKAGES**—We endeavor to secure the safe arrival of packages of Seeds, Bulbs and Plants in good condition in every case. When customers fail to receive their package in a reasonable time, they should inform us, and at the same time send a copy of their order and any other information necessary to trace the goods.

**MARKET GARDENERS**—and others who buy Vegetable Seeds in large quantities should ask for our Market Gardener's Wholesale Price List.

**ORDERS FOR NURSERY STOCK**—should be made out on a separate sheet from the Seed orders; the departments are separate, and the orders cannot be shipped together; seeds can be forwarded any time but the nursery stock will be sent at the proper time to plant.

**ERRORS**—We exercise the utmost care in filling orders, striving to do a little more than we offer, yet in the press of business errors sometimes occur, in which event we wish to be promptly notified of the fact and will make such corrections as will be satisfactory. Please keep copies of your orders for comparison.

**OUR GUARANTEE**—The seeds we offer in this catalog have been carefully grown, selected, cleaned and repeatedly tested. We can therefore guarantee their high germination. A mistake, however, may occasionally occur and for that reason we cannot assume responsibility for more than the price actually paid by the purchaser; if therefore failure is due to any fault of our seeds, we will replace same or refund the price paid. It is impossible, however, for us to undertake any responsibility, expressed or implied as to description, purity, productiveness or any other matter connected with the crop after seed has been sown. At the very moderate prices at which we sell our seeds and other products, every sale is made subject to above conditions.—F. S. & N. Co.

As to guarantee on nursery stock see Nursery Department, page 98.

**CORRESPONDENCE**—We endeavor to give prompt attention to all proper letters of inquiry, etc. We ask, as a favor, that all questions be stated clearly and briefly, but not on order sheets.

**AS TO OUR RESPONSIBILITY**—Our catalog goes to all parts of the United States and to many foreign countries. It will reach many who have never dealt with us before. To such we would say: **You are perfectly safe in sending us your money.** Ask your banker, or look us up in the Commercial Agency reports, or if you prefer write (enclosing stamps) to the Citizen's National Bank, Security Bank, Chase State Bank, Wells-Fargo Express Co., American Express Co., or the Faribault Commercial Club, all of Faribault, Minnesota.

**FOR PREMIUMS SEE PAGES 44 AND 45.**

# VEGETABLE SEED NOVELTIES AND SPECIALTIES.

Under this headline our customers will find new varieties worthy of trial, and others of recent introduction of such value as to give them special mention on these pages. We also list a number of varieties here of which we make a specialty, growing them on an extensive scale.



Early Copenhagen Market Cabbage.

## RADISH. FIRST CROP.

A very superior strain of extra early radish, somewhat resembling the well known French Breakfast radish in shape, but is shorter and thicker than that variety. The white tip is well developed and gives this novelty a most attractive appearance. The roots mature very quickly, have a short top, and the flavor is all that can be desired. The flesh is pure white, mild, crisp and tender, remaining solid a long time. Can be highly recommended for market as well as for the home garden. Packet 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

## PEPPER. SCHELL'S QUALITY.

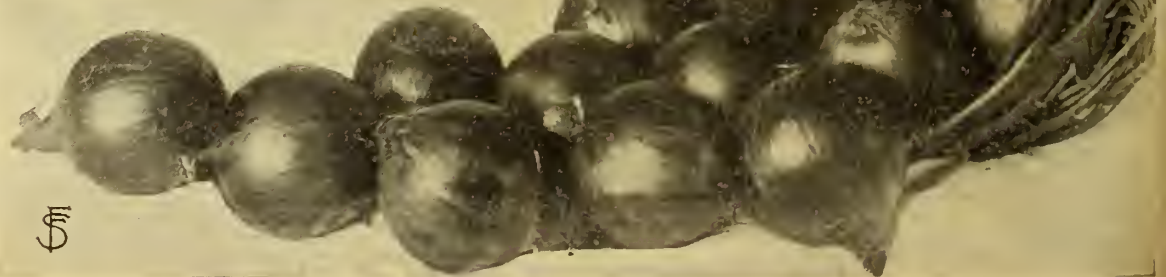
With equal propriety this could be called "Quantity", because of its wonderful yield of large, beautiful scarlet fruits that measure about 5 inches long by 3½ inches across at the stem. Has all the qualities wanted in a stuffing or mango pepper—size, yield, quality, mildness, and colors quickly. Packet 5c, oz. 30c, ¼ lb. \$1.00, prepaid.

## ONION—Faribault Red Globe Wethersfield.

Earlier and more productive than the Southport Red Globe. The onion seed we offer under this name is a special strain of Red Globe which we have produced by years of careful breeding. The perfect Globe type is thoroughly established in this variety, and the onions are always of the most uniform shape. This variety differs from other kinds of Red Globe Onions not only in purity of stock and perfection of type, but also earliness, productiveness, beauty of color and great keeping qualities. The bulbs are of a dark red color, very attractive in appearance. They are thin necked, ripening down to a hard solid ball, insuring the largest percentage of marketable onions. Our seed is strictly Minnesota grown. Packet 10c, oz. 20c, ¼ lb. 65c, lb. \$2.25, prepaid.—Not prepaid, 5 lbs. \$10.50, 10 lbs. \$20.50.



14 of our Faribault Red Globe Wethersfield Onions which filled a peck measure heaping full.



## CABBAGE.

### EARLY COPENHAGEN MARKET.

Another season has greatly added to the fame of this superb new Cabbage which originated in Denmark, from whence some of our very best varieties have come. It has created quite a sensation among cabbage growers and is considered unequalled for market. Undoubtedly it is without a rival the finest large, round-headed, early cabbage in cultivation. The type is thoroly fixed, the heads maturing all at the same time, this being a great consideration to market gardeners. The heads average about ten pounds each in weight, are very solid, with small core, and of fine quality. It matures as early as Charleston Wakefield, and will give a much heavier yield per acre than that popular variety.

The plant is short-stemmed, the heads being produced almost on the ground level. The leaves are light green, rather small, saucer-shaped, and always tightly folded. The plants, therefore, can be set closer than is usual with varieties of similar size. Early, hard-heading, compact, uniform ripening, good quality, splendid appearance,—surely these points are worthy of consideration.

We can recommend this splendid new cabbage without reservation to the most critical planters. It will prove a great money maker for the market gardener. Our seed comes direct from the originator of this variety. Packet 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.50, prepaid.

## MUSK MELON. ROBINSON'S DELICIOUS Rockyford Cantaloupe.

This unsurpassed strain of the Eden Gem type is the result of several years selection by one of the most progressive farmers of Rockyford, Colorado. Its shape is ideal, very slightly oval, no ribs and it is heavily netted over the entire melon. The bloom button is small and flesh as thick at the end as elsewhere. Melon is thick meated, fine grained and sweet; color green with a gold margin next to seed cavity.

Our claim for this melon is its uniform shape, size and very superior quality. Its flesh is attractive and elicits favorable comment when served. Every seed we offer from this strain will be from select melons. We recommend this seed for the use of Melon Grower's Associations and high class market gardeners. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.75, 5 lbs. \$7.50, prep'd.

## PEPPER. BLACK CARDINAL.

The plant is harder than other varieties, of quick growth, maturing in a short season numerous fruits of bright glossy black color, measuring 6 to 9 inches in length. A very ornamental sort, useful and strange. Packet 10c.

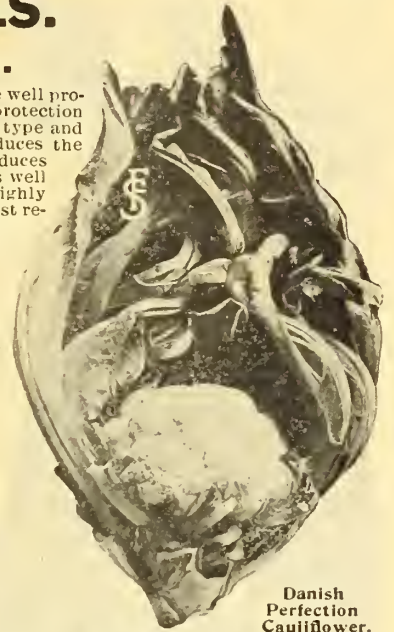
# NOVELTIES AND SPECIALTIES.

## CAULIFLOWER—F. S. & N. Co's Danish Perfection.

A new early variety of the Dwarf Erfurt type. While not quite as early as Snowball, the heads are well protected by leaves and are very firm, solid and heavy, snow white and no protruding leaves. The extra protection to the head does away with the necessity of tying up the leaves to a large extent. Comes very true to type and its evenness in maturing makes it possible to take care of the crop at one cutting. This variety produces the most solid, whitest and best heads of cauliflower we have ever seen grow. Practically every plant produces a good head. Danish Perfection is suitable for forcing under glass during winter and early spring, as well as for planting in the open ground later. For the market garden and for the home garden we can highly recommend this valuable cauliflower. Our seed stock comes from the introducer, who is one of the most reliable growers in Denmark, you can therefore rely upon receiving the very best quality seed obtainable. Packet 15c, 1/4 oz. 75c, 1/2 oz. \$1.25, oz. \$2.25, 1/4 lb. \$8.25, prepaid.

## CHINESE or CELERY CABBAGE—Pe-Tsai.

This splendid vegetable is gaining in popularity and can now be found on many markets, and where known, the demand is larger than the supply. The full grown plant somewhat resembles a head of Cos Lettuce in appearance. Its flavor is excellent, very mild, and may be eaten raw or as a salad, or cooked. Boiled, minced and seasoned with butter, it is especially delicious. Pe-Tsai should be grown like a late cabbage, planting the seed in June or July, in drills 18 inches apart, and the seedlings thinned out two or three times. A delicious vegetable which should have a place in every garden. Packet 10c, oz. 25c, 1/4 lb. 75c, lb. \$2.50, prepaid.



Danish Perfection Cauliflower.

## MUSK MELON.

### WINTER KING.

This melon is a long keeping variety, as the name indicates. Put into a cool place it will keep long into the winter without losing its delicious flavor. Just think of having a fine melon to eat with your Christmas dinner! But this is what you may do by planting the "Winter King" Melon. The fruits are of medium size, the thick flesh is red, very firm, absolutely stringless, of exquisite aromatic flavor and great sweetness. This novelty should have a place in every garden, it is well worth a trial. Pkt. 10c, 3 for 25c, prepaid.

## RHUBARB.

### RED FLESHED DELICACY.

A splendid novelty, originated in Germany; 80% of the plants raised from this seed come true and have round, dark red leaf-stems with bright crimson flesh. On account of its delicate texture, as well as the beautiful bright crimson color of the flesh and of the sauce made of it, this new Rhubarb sells much better and at a much higher price than the old sorts. Rhubarb is easily raised from seed. Packet 15c.

## MUSK MELON—New Bush.

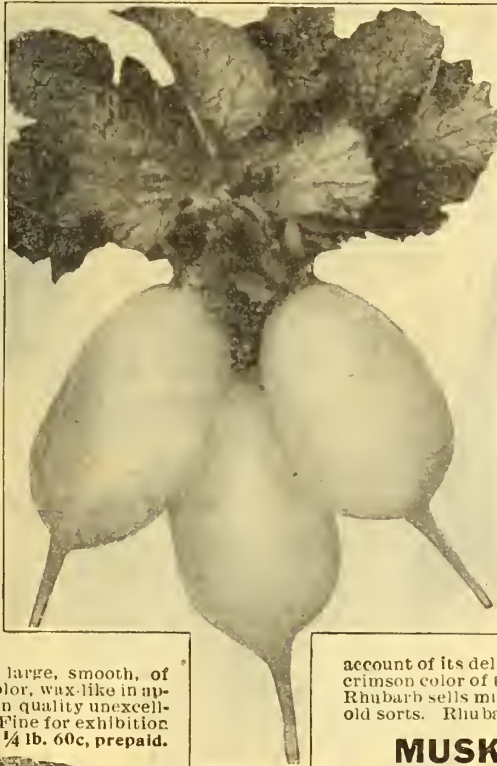
A remarkable melon which grows in true bush form, without any runners or vines. Delicious melons may now be grown in every garden, no matter how small the available space. The plants of the New Bush Musk Melon grow about 15 to 18 inches in length, and 2 or 3 of them in a hill will cover a circular space of 2 1/2 to 3 feet in diameter. The fruits are of medium size, averaging 5 to 6 inches in diameter, they are of somewhat flattened shape, with shallow ribs; the surface is dark green, densely netted. The flesh is very deep, edible almost to the rind and is colored light green flushed with salmon towards the center. The seed cavity is small. The quality is superb, lusciously sweet and juicy with a delightful aroma. Pkt. 10c, 3 for 25c, prepaid.

New Bush Musk Melon.

## RADISH.

### EARLY BEAUTY.

One of the earliest of all radishes. Of beautiful clear white color and oblong shape; the flesh is white, crisp, tender and of delicious, sweet flavor, remaining in edible condition longer than most other early varieties. A splendid sort for the home garden for first early planting as well as for succession, and also suitable for the market on account of its beautiful color, its rapid growth and fine table qualities. Packet 10c, oz. 15c, 1/4 lb. 40c, lb. \$1.25, prepaid.



Early Beauty Radish.

## LETTUCE.

### GOLDEN TENNISBALL.

A new introduction from France where head-lettuce is grown in preference to all other sorts. It forms medium sized heads as solid as the well known black seeded Tennisball, grows extremely quick, being the earliest head lettuce in cultivation. In quality it is all that could be desired, crisp, tender and melting, with a real buttery flavor. Color a beautiful light golden yellow. Splendid for forcing and early planting in the garden. Pkt. 10c, oz. 20c, 1/4 lb. 60c, lb. \$2.00, prepaid.

## CUCUMBER.

### WHITE WONDER.

The fruits of this new variety are very large, smooth, of even size and beautiful, clear snow-white color, wax-like in appearance. A very prolific and early sort; in quality unexcelled, crisp and tender, splendid for slicing. Fine for exhibition purposes and home use. Pkt. 10c, oz. 20c, 1/4 lb. 60c, prepaid.



## NOVELTIES AND SPECIALTIES.

### THREE SPLENDID NEW PEAS.

**EXTRA EARLY SAXONIA**—First early round seeded white pea with main crop productiveness and large sized pods. It is fully as early as First and Best, but much larger podded. It furnishes almost as big crops as the best main crop varieties and the quality is splendid for all purposes. Of great hardiness and vigorous growth, attaining a height of 2 feet. The pods are 3½–4 inches long or nearly twice as large as First and Best, they appear mostly in pairs and in great quantities. The crop is matured practically all at once, a valuable feature for the market gardener. The quality is first class in every respect. Packet 10c, ½ pint 20c, quart 45c, prepaid.—Not prepaid, Quart 30c, ½ peck \$1.00, peck \$1.75.

**F. S. & N. CO'S PIONEER**—A first-early, giant podded, wrinkled pea which has won great popularity for its many fine qualities. The plant is unusually robust in habit, and carries a heavy crop of long, pointed pods of dark green, which are well filled with rich-flavored peas. So numerous are the pods that the plants present a most striking appearance while growing. We regard this as one of the best varieties in the dwarf section of the early class. Height about 2 feet. Pkt. 10c, ½ pint 20c, quart 45c, prepaid.—Not prepaid, quart 30c, ½ peck \$1.15, peck \$2.00.

**PRINCE EDWARD OR PRODIGIOUS**—One of the finest main crop varieties in existence. The vine is of strong growth, branching habit and hardy constitution, very prolific, producing big pods which are full of large peas right up to the end. Color dark green and flavor unsurpassed, very rich and sweet. The pods are produced in great profusion, mostly in pairs. Every gardener will be delighted with this new sort. Height 4½ to 5 feet. Packet 10c, ½ pint 20c, quart 45c, prep'd.—Not prepaid, qt. 30c, ½ pk. \$1.00, peck \$1.75.

*We used your Vegetable seeds last season and they proved very satisfactory.*

*AXEL OLSON, Gardener,  
State Reformatory, St. Cloud, Minn.*

### WATER MELON — Delight.

A very unusual melon of European origin — unusual in quality as well as in size, it being of luscious sweetness but diminutive size. The ripe melons average about five pounds each in weight, they are nearly round in shape, with very dark green, tough rind. The rich carmine, crystalline flesh is always solid and of exceptionally sweet flavor, juicy and refreshing. The seeds are of gray color, very small, about the size of an apple seed and the fruits contain but few seeds. The strong vines mature their fruits quite early and continue to bear thruout the season. The "Delight" Melon certainly is a great novelty and will become quite popular for the home table as well as for market. The melons may be served in halves, like musk melons. We raised a very fine crop of these melons the past year and the fruits ripened early and perfectly. They are heavy yielders, producing as many as ten to twenty melons to the hill. The long vines are of vigorous growth, with heavy foliage. Packet 10c, 3 for 25c, prepaid.



Extra Early Saxonia Pea.

### TOMATO — John Baer.

Splendid early sort of recent introduction, producing beautiful, large, bright red, solid tomatoes early in the season. John Baer produces excellent, solid shipping tomatoes which ripen early right up to the stem and is an enormous cropper, and when dead ripe will not burst. The color is a glistening, bright red, and it has a mild, deliciously sweet flavor. Almost seedless, a marvelous stem setter, often having ten fruits in first cluster. It is solid and meaty and has just enough foliage. Will stand plenty of manuring without going to vine. John Baer is the most perfect shipping tomato ever grown; every fruit ripens evenly, right up to the stem, there are no uneven, cracked, wrinkled, one-sided or scarred fruits. Be sure to try this wonderful tomato, you will be well repaid. Packet 10c, ½ oz. 20c, oz. 35c, ¼ lb. \$1.25, prepaid.

### TOMATO — Faribault Dwarf Champion.

A Dwarf Champion with fruits twice the size of the old variety and of delicious flavor unequalled in any other kind. The old Dwarf Champion or Tree Tomato is a great favorite with the private gardener on account of its compact and upright growth enabling close planting, which is usually done in small gardens, but it has two faults, the small size and the poor quality of the fruits. In our new tomato, however, we have these defects remedied, as the fruits of the Faribault Champion are of the largest size, about the same as those of the Ponderosa and are very meaty, almost seedless and of rich sweet flavor, surpassing all others. The plants grow two feet high, are strong, erect and bushy and carry well their heavy burden of very large fruits. The fruits have firm flesh with very few seed cells and are rich purple-crimson in color. Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.75, prepaid.

### CUCUMBER — Snow's Famous Pickling.

This strain of pickling cucumbers is considered the acme of perfection. The fruits are short and broad at the stem end, tapering slightly to the tip, very uniform in size, of rich deep-green color. The flesh is crisp and tender. The vines are strong, remarkably light resisting, and yield abundantly. A sure cropper. Packet 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.



New Water Melon,  
"Delight".  
Unusual in size  
and quality.





# FLOWER SEED NOVELTIES.

## NEW EARLY FLOWERING GIANT PANSY.

This wonderful new Giant Pansy produces its grand display of flowers about six weeks earlier than all known varieties. As a matter of fact the "World Record" Pansy stood in full-bloom in the first days of March the past year, when all other varieties were still little more than dormant, like they had been during the winter months. Moreover, the flowers of the new pansy attained a size and perfection of form, and a brilliancy of coloring, and the plants were of such a massive structure, we rarely meet with even in the foremost productions of Giant Pansies of the day. The delicate pansy-perfume is noticeable in a marked degree.

### EARLY-FLOWERING GIANT PANSIES "WORLD RECORD".

**GIANT WINTER-SUN**—Splendid bright golden yellow with dark brown center. Flowers of elegant form, and very large.

**GIANT ICE-KING**—Beautiful silvery white with black-blue center.

**GIANT CELESTIAL QUEEN**—Lovely sky-blue with center-marking.

**GIANT MARCH-BEAUTY**—A deep velvety blue, extra large flowering.

Price: Any variety, per packet 20c, 3 for 50c.

## THE NEW RED SUNFLOWER.

Quick growing garden annuals, growing from 4 to 8 feet high, and sending out many side branches. Some plants produce flowers of a rich chestnut-red color, other flowers tipped with yellow, other flowers slightly washed with red. The flowers vary from a few inches to nearly a foot in diameter, and are of good form, usually having a small disc, and often two rows of long, slightly curled rays. Some of the seeds will produce plants giving all yellow flowers, altho the seed stock was carefully selected. These plants fortunately show no purple in stem or leaves and can be weeded out when seedlings. **Packet 15c.**

## COSMOS—Early Flowering Mammoth.

These showy annuals add so much to the beauty of our gardens during the late Summer and early Fall. Their bright colored, butterfly-like flowers and graceful feathery foliage are greatly admired by everyone. This new strain is fully as early, but the flowers are frequently twice as large as those produced by any early-flowering strain of Cosmos. Fine symmetrical flowers of beautiful distinct colors. Mixed varieties, **packet 10c.**

## CAMPANULA.

### CANTERBURY BELLS. EARLY BLOOMING.

Imposing, hardy plants, growing about 2½ feet high, profusely covered with large, bell-shaped, showy flowers in shades of rose, blue and white. Canterbury Bells furnish us a most wonderful array of color in the daintiest shades of the most delicate form. The airy bell-shaped blossoms fairly cover the pyramidal bushes. They are biennials and bloom from seed the second year. This early flowering strain blooms three weeks earlier than the older sorts which prolongs the season of bloom. **Packet 15c.**



New Early Flowering Giant Pansy "World Record".

## NEW GIANT SPENCER OR BUTTERFLY SWEET PEAS.

This essentially American flower is enjoying greater popularity every year, it is the flower for the millionaire as well as for the million. Out of the many new introductions we offer the following three varieties as the best and largest flowered sorts brought out to date.

**MARGARET ATLEE**—The largest and finest Sweet Pea yet introduced. Flowers are a rosy salmon-pink on a creamy buff ground; a rich, soft color, and extremely attractive. The standard is large and wavy and inclined to double under favorable conditions. It runs almost uniformly four blossoms to the stem. **Packet of 40 seeds 20c.**

**KING WHITE**—The largest white flowering Spencer Sweet Pea. Produces gigantic flowers of an absolutely pure white. The flowers are decidedly frilled and waved. **Packet of 40 seeds 25c.**

**WEDGEWOOD**—This beautiful novelty produces very large flowers of a most lovely shade of bright silvery blue. The flowers are well waved and are borne almost uniformly in four-flowered sprays upon long stout stems. **Packet of 30 seeds 15c.**



The New Red Sunflower.

## GAZANIA—Everblooming Goldflower.

New and extremely free flowering, magnificent Annual of easiest culture. The plant forms large, round bushes, about eight inches tall, well covered with long-stemmed flowers 2¼ inches in diameter. The color of the flower is a lovely golden yellow; at the base of the ray florets close to the yellow disc, there is a brown zone with silvery white spots, which is surrounded by a blackish brown ring. Foliage is dark green above, and white woolly beneath. When planted in a sunny spot this plant will bloom the whole season. Transplants easily. **Packet 10c.**

## New Giant Verbena.

A new class of Verbenas which is of extraordinary beauty, and surpasses all other varieties and strains in existence in size, perfection of form and richness of colors. The individual flowers are of great size, measuring 1¼ to 1½ inches in diameter; each one has a large, bright white eye, which makes the coloring more vivid. The flowers form magnificent heads of immense size. **Packet 15c.**

## New Colossal Zinnias.

Magnificent giant flowered type with globular flowers of bright and distinct colors, including many new shades. You will be surprised at the immense blooms and their rich velvety appearance—they are so far superior to the old strains planted heretofore. Blooms constantly from early summer until frost. Mixed colors, **packet 10c.**



Gazania—Everblooming Goldflower.

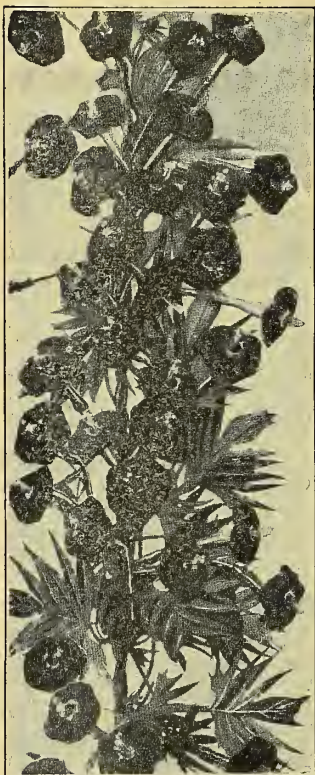


Campanula—Early Blooming.

# FLOWER SEED NOVELTIES.

## NEW CARDINAL CLIMBER.

The most beautiful and distinct annual Climber ever introduced. The plant is a wonderfully rapid and rank grower, attaining a height of 20 to 30 feet, branching freely and makes a fine screen or dense shade. Foliage is remarkably beautiful, magnificent palmate or deeply cut leaves. An early and abundant bloomer, being literally covered with clusters of 5 to 7 flowers of intense fiery cardinal-red, producing a veritable blaze of color from July until frost. Does best in a sunny situation and good soil, succeeds splendidly here in the Northwest. For covering porches, verandas, trellises, fences, etc., no better plant exists. Pkt. 15c.



New Cardinal Climber.

## ASTER. GIANT CREGO.

A new American type of Asters with flowers of enormous size and marvelous beauty, measuring up to 6 inches in diameter. The petals of the lovely flowers are nearly double the length of the older varieties and are twisted and curled into a very fluffy effect, resembling choice Japanese Chrysanthemums. The plants grow about 2 feet high, are well branched and produce an abundance of flowers on long, stiff stems. Splendid for cut flowers. Mixed Colors. Packet 10c.

Your Flower Seeds are very good. All bloomed just beautifully and the Asters were especially fine and bloomed profusely, also the Centaureas. Many thanks to you, we enjoyed the flowers immensely.

MRS. W. J. SMITH. Grass Range, Montana.

## PETUNIA INFLATA—"Trailing Queen".

A new free flowering Petunia of trailing habit. The plants are of rapid and strong growth, producing numerous branches of 2½ to 3 feet in length, thickly set with fragrant flowers, one inch across, of a lovely purplish carmine color with reddish violet throat. In consequence of its vigorous growth and its extraordinary great abundance of bloom this new Petunia may especially be recommended for balconies, porch boxes, window boxes or hanging baskets. Packet 20c.

## NEW GIANT SNAPDRAGON.

A splendid and sensational novelty. The flowers are fully four times the size of the common Snapdragon or Antirrhinum. The large flower stalks are thickly studded with immense flowers that last a long time. Of very great decorative value and easiest culture, will grow in almost any kind of soil without care. The plants form large size bushes and produce their gorgeous flowers thruout the summer. For beds and borders they are a constant source of pleasure, being in bloom all the time.

"ROSE QUEEN"—Large flower spikes with blossoms of a glorious rosy-pink, and a beautiful silky gloss. Packet 15c.

"PURPLE KING"—Immense flowers of a glowing deep, rich purple color. Packet 15c.

## DOUBLE ANNUAL "FEATHER" POPPY.

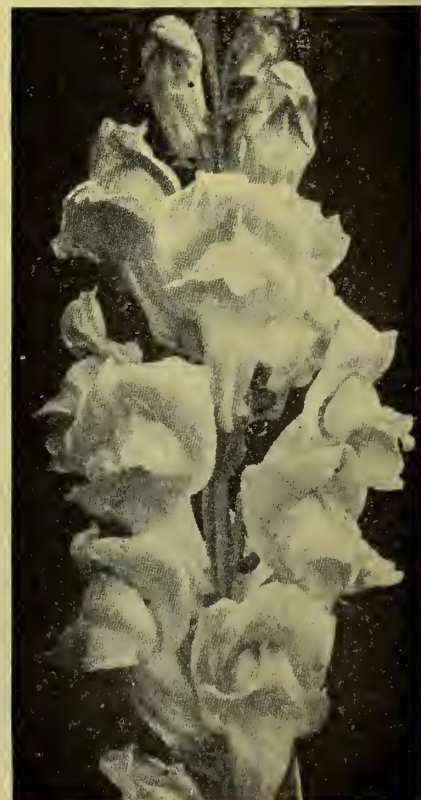
Poppies are in great favor with every flower-lover and this new "Feather" Poppy is a decided acquisition to the many beautiful double flowered varieties we now have. The flowers are exceedingly large, well shaped, very full and feathery; the color is the most beautiful bright carmine on white ground. A group or bed of these flowers will make a unique and gorgeous display. This charming and easily cultivated annual will without doubt give the greatest satisfaction to all. Packet 10c.



Petunia, "Trailing Queen."

## PANSY—Giant Mastadon.

The new giant flowered American Pansy. Remarkably beautiful, rich colored blossoms of truly mammoth size are produced in wonderful profusion on long, stiff stems. The petals are slightly waved, and of good substance. In color the flowers are marvels of beauty, the richest self-colored as well as the daintiest shades in combinations, resembling the finest orchids, may be found in this class. Plants are extremely hardy and very free flowering. Everyone will be delighted with these new pansies, the seed of which we obtained direct from grower and introducer. Pkt 20c.



Giant Snapdragon.

## SELF WATERING FLOWER BOXES AND BASKETS

These boxes fill a long felt want to perfection and are becoming very popular. All boxes and baskets are well painted with specially prepared dark green paint, are so well made that they will outlast several wooden boxes. They require watering only every five or ten days. We have had four window boxes in use for six years and these show practically no wear at all.



Hanging Basket.



Self Watering Flower Box.

**WINDOW BOXES**—Neat, convenient and practical window box, made entirely of metal and guaranteed not to leak. The box has a reservoir in the bottom, which, when filled with water will supply plants with moisture for ten days, by means of sponges inserted in the false bottom of the box. Water being conveyed direct to roots of plant, leaves the soil in a loose condition, always moist, ideal for plant growth.

8 inches deep, 10 inches wide.			8 inches deep, 12 inches wide.		
No.	Length	Price	No.	Length	Price
0	16 in.	\$1.00	5	31 in.	\$2.20
1	23 in.	1.60	7	35 in.	2.50
3	27 in.	1.90	10	41 in.	3.00

**PORCH BOXES**—Made on the same principle but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during the hottest summer months.

9 in. deep, 12 in. wide			8 in. deep, 12 in. wide		
No.	Length	Price	No.	Length	Price
21	37 in.	\$3.00	25	53 in.	\$4.25
23	45 in.	3.75			

**HANGING BASKETS**—Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. "Never leak a drop"; may be hung on chains or set on small table. Prices do not include chains.

No.	Depth	Square	Price
10	7 in.	8 in.	\$1.25
14	9 in.	12 in.	1.75

# NEW BUMPER CROP OATS.

## A Marvelous Yields Of Heavy, Plump, White Grain.

**Bumper Crop** is the New American variety of greatest merits maturing its crop in early season, being about a week earlier than Swedish Select Oats. Early maturity of all grains is quite an advantage, for often a week's time of earlier ripening means a saving of 25 to 40% of the crop, which is lost on account of extreme heat, blight and rust, which are generally prevalent thruout the Northwest during the month of August. During this critical time we are also more or less subject to severe thunder storms which lodge and destroy our grain fields. Even a few days early maturing often saves us several hundred dollars on a field of grain.

**Bumper Crop** Oats produces the largest and best yields on heavier soils, but its remarkable feature is that it also stands up well on rich and well manured ground, on account of its strong and stiff straw, which very seldom crinkles down under the heavy load of grain it carries.

**Bumper Crop** Oats actually produces bumper crops of nice heavy grain, heavy as lead, generally weighing from 40 to 45 pounds per bushel. These oats have a thick and meaty berry, so meaty that it almost breaks open. You can see the meat thru its thin hull. It is a marvel in productiveness, out-yielding all such varieties as Bonanza, Lincoln, Twentieth Century, White Swedish, Golden Fleece, etc.

The originator of Bumper Crop Oats has this to say: "These white branching oats took first prize at the New York State Fair, also wherever shown. They were originated from a single plant having remarkably stiff straw and wonderfully well branched yet compact head, loaded with beautiful heavy white grain, with long berries, similar to that of the American Banner, but much larger and heavier."

**Bumper Crop** is strictly an American product, having been originated in New York state, and thru years of careful breeding here in the Northwest, has become so thoroughly acclimated and hardy that it now takes the lead of all Oat varieties. It is so hardy that it is neither affected by blight nor rust, which so often play havoc with the Oats crop. No matter how unfavorable the circumstances are, it always produces a good harvest. The introducer of Bumper Crop Oats reports 752 bushels from an eight acre field, or 94 bushels per acre. One small plot, put in especially for seed stock, produced a yield of 125 bushels per acre. In yielding qualities this variety can not be surpassed.

**Bumper Crop Oats yielded 752 bus. from an eight acre field or 94 bus. per acre average yield.**

**Make your land pay the largest dividends — plant Bumper Crop Oats.**



Heads of Bumper Crop Oats.

**Bumper Crop** is a sure money maker. Mr. Walker, one of our growers testifies as follows regarding its marvelous yielding qualities: "My large field of Bumper Crop Oats yielded 94 bushels per acre on an average and the grain was absolutely the best and heaviest ever seen here. While under exactly the same growing conditions the common varieties of oats yielded only 54 bushels per acre. I believe 5 acres of Bumper Crop Oats will yield nearly as much as 10 acres of common oats. I consider the 30 to 40 bushels per acre extra yield clear profit, which would mean \$15.00 to \$20.00 per acre. Think of a field of 25 acres averaging say 20 bushels extra yield per acre, at an average price of 50c per bushel it would mean a net profit of \$250 to you.

**Bumper Crop** Oats invariably produces the biggest yield and withstands unfavorable weather conditions to a marked degree. Mr. Camp, a thresherman of 20 years experience makes this statement: "Bumper Crop Oats yield the heaviest of any oats I have ever threshed. Ordinary varieties in this vicinity yield around 45 bushels per acre. I threshed a large field of Bumper Crop Oats for Mr. Stearman, which yielded nearly 79 bushels per acre, with a large quantity wasted in the field on account of weather conditions."

**Bumper Crop** Oats will prove as valuable to you as they have to the men whose reports we have just given here. Every farmer realizes the need of changing his seed grain every few years, in order to keep up as large a yield as possible, for who can afford to grow only 40 to 45 bushels per acre on high priced land? Choice and pure bred seed oats are without question of the greatest importance, in order to produce the best paying crops. It is evident that with well bred, hardy, blight and rust resisting varieties, you can easily double and treble your yields.

**The Up-To-Date Farmer** wants the new and improved varieties of oats, as he is interested in securing the highest possible returns on his land as well as for his labor. By sowing Bumper Crop Oats you take a step in the right direction toward obtaining bigger yields and better quality of grain, thereby increasing your profits to a large extent. Every acre sown to Bumper Crop Oats this year will show a handsome profit to you. The grain will command the highest price in the market and your neighbors will be only too glad to pay you a good advance over market price for seed.

### PRICE OF BUMPER CROP OATS FOR 1916.

Not prepaid: Peck 60c, bushel \$1.85, 5 bushels \$9.00, 10 bushels \$17.50, sacks included.—Postpaid, 3 pounds 60c.



Seed Oats in Stacks at the Farmer Seed & Nursery Co's Farms, Faribault Minnesota



A Plant Of Liscomb Alfalfa.

## ALFALFA.

### THE MOST PRODUCTIVE AND PROFITABLE CROP THE FARMER CAN GROW.

No other plant has created such widespread interest in recent years among the farmers of the Northwest than has Alfalfa. While only a few years ago it was thought Alfalfa could not be grown here in our climate, most farmers now have at least a small acreage of same and it has been demonstrated beyond even a shadow of a doubt, that this plant is adapted to all sections of our great Northwest. It does well in nearly every locality and on all soils excepting low, wet land and underlaid with hard-pan. Its hardiness and longevity, when once established, is unrivaled among forage plants.

We have for many years supplied our customers with the best grades of Alfalfa seed. We were the first seedsmen in the Northwest cultivating Alfalfa successfully and urging our farmer customers to plant Alfalfa more generally as we were convinced that this crop could be grown just as advantageously here in our northern territory as in Kansas, Nebraska and other western states. However, we wish to call your special attention to the fact that only acclimated Northern Grown Seed should be sown here, to insure the best results.

There are now several different varieties of Alfalfa in general cultivation and it has been proven by extensive tests that only hardy acclimated varieties will thrive in our cold climate. Foremost among these is the

### “LISCOMB STRAIN” Northern Alfalfa.

The Liscomb strain of Alfalfa was first sown by Mr. G. W. Liscomb in Eastern Montana about 35 years ago. It has never been surface irrigated and it has always been a heavy yielder in hay. The old field is still in existence and yielded a splendid crop of seed the past year.

Scientific study of the Liscomb Strain of Alfalfa has disclosed that it belongs to the group “Mediæ”. The Grimm, Baltic, and other extremely hardy alfalfas are members of this class. They differ from ordinary alfalfas in that, instead of a long top root, the roots are very branching. The ordinary alfalfa produces a broad crown which is close to the surface of the ground. The “Liscomb” strain has what is known as a receding crown, that is, the plant draws the crown under the ground. In a four year old plant, it will be three inches beneath the surface. The ordinary alfalfa produces blue flowers, but the flowers of this species are varied and range from greenish white or light blue to deep maroon. — The seed which we offer is best quality Montana grown, with a purity test of 99 per cent, you cannot buy better seed at any price, anywhere.

Price of the Liscomb Strain Hardy Northern Grown Alfalfa, “FARMER BRAND” quality: Pound 45c, postpaid.—Not prepaid, lb. 35c, peck \$4.75, ½ bushel \$9.35, bushel \$18.25, 100 pounds \$30.00, bags included.

*I ordered some Alfalfa Seed last fall from you and sowed 25 acres, and got a good stand.*  
CHAS. ESCHER, Jr., Botna, Iowa.

*Received Alfalfa Seed from you and got a very nice stand, the best that has been seen here. Expect to order some more of you.*  
REICHEL BROS., Marquette, Mich.

*I have been buying Alfalfa Seed from you for several years and have always been well satisfied with your seed.*  
JAMES LAMPERD, Fairmont, Minn.

*Some years ago I started 12 acres of your Grimm Alfalfa and it has done very well, now I want to seed down another 12 acres.*  
A. C. BINNIE, Alia, Iowa.

## Increase Your Crops With “Mulford Nitro-Germ.”

To Successfully Grow Alfalfa, Clovers, Field and Garden Peas, Beans and all Other Legumes.  
To Increase the Yield and to Improve the Soil Use The Mulford Nitro-Germ “A Dollar Per Acre”.

The Mulford Nitro-Germ Is Scientifically Prepared and Tested—Small Cost—Large Returns—Easy to Use—No Labor Expense.

The Mulford Nitro-Germ will Increase the Development, Yield and Food Value of Legumes, Induce a Prompt Growth or “Stand,” Improve the Soil, Help Succeeding Crops of Any Kind.

The Mulford Nitro-Germ consists of pure tested cultures of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil. Legumes offer the best known means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields. The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitrogen-fixing bacteria to induce a prompt “catch” and increase the yield.

The Mulford Nitro-Germ is prepared and tested by experts, in the biological laboratories of H. K. Mulford Co., with the same degree of care as Mulford Antitoxins, Scrums, Vaccines, etc., which are standard all over the world.

Be sure to always specify the particular legume for which The Mulford Nitro-Germ is desired, otherwise we will not know how to fill your order.

We can supply Nitro-Germ for the following crops:

Alfalfa, (Lucerne), Crimson Clover, White Clover, Red Clover, Alsike Clover, Cow Peas, Canada Field Peas, Garden Peas, Sweet Peas, etc. Garden Beans, Lima Beans, Soy Beans, Spring Vetch, Winter Vetch.

Prices: The Mulford Nitro-Germ is supplied for the varieties of legumes indicated above, at the following prices: (Not returnable)

Garden Size (about ¼ acre) 50c; One Acre \$1.50; 5 Acres \$5.00.

Why buy expensive commercial nitrates when you can grow legume crops and thus increase the yield and at the same time replace the nitrates, enrich and renovate the soil by Nature's own method.

Write today for free booklet giving valuable information regarding the nitrogen-fixing bacteria and describing the preparation and use of THE MULFORD NITRO-GERM.

### WHAT USERS SAY.

The Mulford Nitro-Germ sent me arrived in due time and applied to my Alfalfa seed. Had a splendid stand and cut twice this first year. The Nitro-Germ seems to me all that you claim for it, and I shall gladly recommend same whenever opportunity offers.

G. L. BRAKEMEYER, Antigo, Wis.



Uninoculated Alfalfa.

Inoculated with Mulford Nitro-Germ.

# GRASS AND CLOVER SEEDS.

## TERMS used for different grades of Seeds.

Clover and Grass Seeds of the highest quality obtainable have always been our most important specialty, and for years we have taken the lead among seed dealers in this respect. Under the "FARMER BRAND" label, which is also our trade-mark, we now offer seeds of best vitality, free from all obnoxious foul seeds.

"FARMER BRAND"—To protect our customers, as well as ourselves, we shall offer our "Farmer Brand" Seeds, the highest quality of seeds obtainable, in sealed sacks only, in quantities of ¼ bu., ½ bu., 1 bu., and 100 lb. No broken quantities will be furnished, nor will we guarantee any seed as genuine after our leaden seal has been broken. With "Farmer Brand" Seeds, sacks will be furnished free of charge.

The other terms and their meanings, used for the different grades or qualities of Clover, Timothy, and some other seeds, are as follows:

"FANCY"—Free from obnoxious foul seeds, and of high vitality, but not as good in color, nor as perfect as "Farmer Brand" Seed.

"CHOICE"—Healthy and fairly clean seed, of good vitality, but not as plump and perfect as our "Fancy" grade.

**NOTICE**—We are well equipped for cleaning and testing seeds. All seeds sent out by us meet fully with the requirements of the MINNESOTA PURE SEED LAWS. You are fully protected when you buy your seeds from the Farmer Seed & Nursery Company.

Without grass, the earth would be a barren desert, but since it is covered with the growth of the most luxuriant grasses, it feeds live stock of all kinds, one of the biggest assets in agriculture. No matter how large our corn and wheat crops are, grasses and clovers still form the foundation for successful farming. The first herdsman, Adam, then Abraham, and Jacob with his twelve sons, depended on the vast rich meadows of their land, for their herds of cattle. In this great country, the unlimited rich prairies of the West attracted the early settlers, such as cattlemen and ranchers. The big ranches of the West were not broken up until more modern methods for taking care of small grains had been originated. Our most up-to-date methods of farming would be rather incomplete

without grasses and clovers. After you have a good pasture established, you are relieved of a great deal of care all summer. Cattle, horses, hogs, etc., feed and roam on it all summer without other feed or looking after, while well established meadows of grasses or clover, or both, will fill the barns to overflowing. Good hay, in the right proportion of clover and grass, forms a fairly balanced ration for the stock. With only a little corn added, a completely balanced ration for dairy herds is obtained.

The kinds of seed commonly sown for establishing pastures and meadows, without regard to location and purpose, are Timothy, Clover, Blue Grass, and Red Top. Although these are all good varieties, and do well on soil to which they are naturally adapted, they are not suitable for all locations, nor will they answer all the various purposes for which they are used, consequently there is much disappointment. Considering that there is such large variety of the most valuable grasses for pastures and meadows, it is almost unexplainable that so little attention is given to such an important matter. It is quite evident that, in order to produce the best results, regardless of soil and weather conditions, other varieties than Timothy, Red Top, and Blue Grass are required for establishing well paying pastures and meadows. The more and better grasses we grow, the more cows and cattle we can feed, and the larger our incomes will be. No other crop is so necessary to the sustenance of the various classes of animal life, as the grass crop, and in no other way can soil fertility and soil moisture be so easily maintained as by sowing the proper kinds of Grass and Clover Seeds.

In establishing pastures and meadows, an important factor to consider is that nearly every different grass and clover subsists on a different soil element. Some soils may lack entirely in certain elements to supply the required nourishment for a particular kind of grass which you intend to grow, and the result would be a feeble growth of grass, which would soon be smothered by weeds. If however, a greater variety of grasses are sown, suitable to your soil and to your purpose, you will not only obtain a perfect stand, but you will have a continuous luxuriant pasture or meadow.

For many years, we have devoted a large part of our catalog to various kinds of grasses and clovers, and have carried on extensive experiments on our own farms to ascertain the varieties best adapted to different kinds of soil and for various purposes. Having made grasses and grass seeds our specialty, we are in a position to know something of their habits and nature. On this, and the following pages, we give a full description of the most important Pasture and Meadow Grasses. We have also put up Clover-Grass Mixtures for permanent pastures and meadows, well considering the growth, maturity, and adaptability of the various grasses to the different kinds of soil, and for the various purposes, thus enabling our customers to make the right selection.

### I. BROMUS INERMIS. *Austrian Brome Grass.* *Hungarian Brome Grass, Awnless Brome Grass.*

Of all grasses ever introduced, none have proven as valuable nor as important as Bromus Inermis. The experiment stations of Minnesota, Colorado, North and South Dakota, and Manitoba, and the grass stations of the Agricultural Department at Washington, have conducted extensive experiments, and all speak of it in the highest terms.

Bromus Inermis is a vigorous, hardy perennial, with strong creeping root stocks, smooth, upright leafy stems, 1 to 4 feet high, and loose open panicles, or "seed heads," 4 to 8 inches long. It withstands extremes of heat, drought, and cold, better than any other cultivated grasses, and in a few years forms a very tough sod, crowding out every other growth. Bromus Inermis will not only succeed under conditions fatal to Timothy, Clover, Orchard Grass and Alfalfa, but it will make astonishing yields.

All kinds of stock eat it with relish, and chemical analysis shows that it is rich in flesh-forming ingredients, more so than Timothy. As this grass starts to grow very early in spring, before any of the grasses on the native prairies show any signs of life, and remains green and succulent far into November, it will supply the long felt want of early spring and late fall pastures. The yield of hay from Bromus Inermis varies from 2 to 4½ tons per acre, according to climatic conditions, methods of seeding, and fertility of soil. The quality of the hay is excellent, fully equalling that of Timothy in palatability and nutritive qualities. In order to obtain the best hay, the grass should be cut at the time of full bloom. One difference between Bromus Inermis and other hay grasses is that it does not deteriorate rapidly after the flowering period, and even if cut when the seeds are ripe, the hay loses little of its nutritive qualities, because after the seed bearing stems have grown up, a large number of leafy shoots spring up from the base.

**Culture:**—Fall plowed land is best adapted for spring sowing, as it holds moisture best. Like most hardy perennials, Bromus Inermis forms deep roots before it makes much top growth, and it is therefore well adapted for sowing with a nurse crop. A good method is to sow Bromus Inermis with a drill (setting this so it sows only one inch deep) so the seed is well covered. The experiment stations recommend 20 to 30 pounds of seed per acre. The land should be well prepared, for on such a bed the seed will start quickly, and the young grasses will soon subdue the weeds which are apt to grow on any soil, no matter how good or clean it is. Bromus Inermis, on account of its extreme hardiness, can be sown almost any time, from early spring to late fall, in almost any locality.

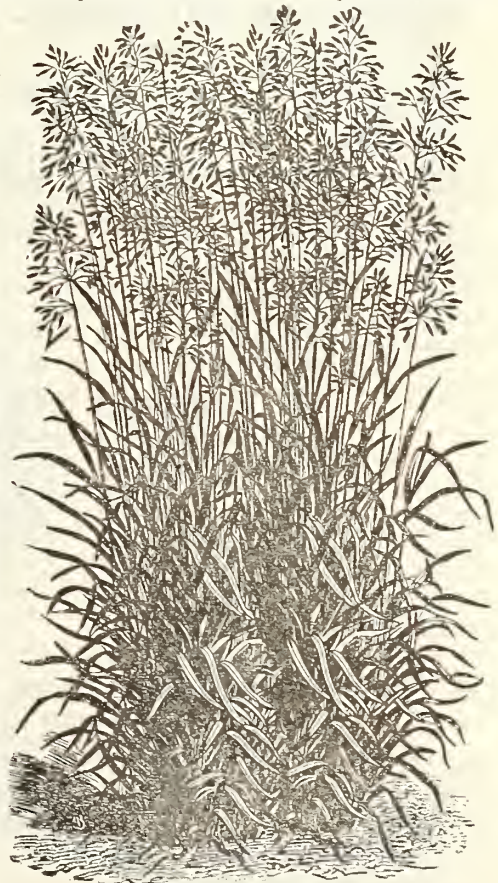
Many people are under the impression that Bromus Inermis is the grass for only arid and semi-arid regions of the Northwest, but it is really one of the most profitable grasses for every section, especially where steep and barren side hills or ravines are to be covered with grass.

**Price:** "Farmer Brand" Grade, (free from Quack Grass) 3 lbs. 90c, postpaid.—Not prepaid, 3 lbs. 65c, bushel (14 lbs.) \$2.00, 100 lbs. \$12.50, bags included.

**Fancy Northern Grown:** 3 lbs. 75c, postpaid.—Not prepaid, 3 lbs. 50c, bu. (14 lbs.) \$1.75, 100 lbs. \$10.00, bags included.



Unexcelled in Purity, Vitality  
and Productiveness.



Bromus Inermis.

## 2. TIMOTHY.—Phleum Pratense.

Timothy is so well known that it needs hardly any description, for there is scarcely another variety of our natural grasses that is so generally cultivated as this. It is best suited for moist, rich, strong and loamy soils, where it grows to perfection, and yields large crops of hay. If cut in due season, which is at flowering time, it makes a very good and nutritious hay, which is greatly relished by all kinds of stock, especially horses. For pasture it cannot be so well recommended, as most every farmer well knows, for its growth is not thrifty enough, and close pasturing is very injurious to it. Like all grasses, it is harder for either pasture or meadow if sown with other kinds, and only then will it bring the best returns. For this reason we have added it to most of our Clover-Grass Mixtures.

We wish to call the attention of our brother farmers to the difference between our Minnesota Grown Timothy Seed and Timothy Seed handled by dealers and jobbers in the larger cities. While the latter oftentimes has been held for years for speculating purposes, regardless of vitality, and has been grown by everybody and anybody, on neglected farms, mainly for the purpose of subduing all kinds of foul weeds, our Minnesota Grown Timothy Seed which we offer, is always fresh and of the highest vitality, and has been grown right here in the most prosperous farming country of the United States, on good, rich bottom lands, free from all kinds of noxious weeds. Sow 10 to 12 pounds per acre.

Besides, we claim, and our customers have experienced it every year, that our Minnesota Grown Timothy Seed possesses more vigor and vitality, and produces a much thrifter growth, larger crops and better hay than Timothy grown in a milder latitude. The large dairy and stock farmers in the Middle and Eastern States have recognized this long ago, and send us their orders as early as possible, very often in fall already, altho they may not sow the seed until spring.

Prices of our Minn. Grown Timothy Seed of the 3 different grades we offer are as follows:

Our "FARMER BRAND" Timothy—the cleanest and highest grade of seed obtainable, 3 lbs. 65c, postpaid.—Not prepaid: Peck \$1.45, ½ bu. \$2.45, bu. \$4.50, 100 lbs. \$9.25, sacks included. This brand we send out in sealed sacks only.

Timothy Seed, "Fancy": Peck \$1.15, bu. \$3.95, 100 lbs. \$8.50.

Timothy Seed, "Choice": Peck \$1.00, bu. \$3.65, 100 lbs. \$7.75.

Grain sacks are 22c each, extra, with Fancy and Choice grades of Timothy Seed.

Prices: Owing to the prices of Timothy varying a great deal, and sometimes changing almost daily, we reserve the right to fill all orders at prices quoted above as long as the market permits us to do so, but should the market be lower or higher when your order is received, we will send to the full value of money sent.

Buyers of large quantities, before purchasing, should write for samples and for firm and lowest prices, which we will quote by return mail.



Minnesota Timothy.

## 4. ITALIAN RYE GRASS. *Lolium Italicum.*

One of the Grasses not so well known, but very valuable, and deserving more attention. It grows on almost any soil but thrives best on rich, moist land. On ground best adapted for it, and especially if irrigated, immense crops can be produced, as it can be cut 4 or 5 times, and yields as high as 7 or 8 tons of dry hay per acre. It is well adapted for pastures, on account of its early growth in spring and its quick and successive aftergrowth when closely cropped. For this reason we found it very valuable to sow as a catch-crop in clover fields where the clover had died or winter-killed. When mixed with Crimson Clover and sown on these bare spots in spring, a full crop can be counted on from these fields. It grows 2 to 4 feet high, with an abundance of foliage, and is much liked by cattle and stock generally. Sow about 20 pounds of seed per acre.

Price: Fancy Grade, lb. 20c, bu. (14 lbs.) \$1.60, 100 lbs. \$9.75, not prepaid.—Pound by mail postpaid, 30c.

Price: Choice Grade, lb. 15c, bu. \$1.25, 100 lbs. \$8.50.

## 5. ENGLISH RYEGRASS. *Perennial Rye Grass—Lolium Perenne.*

This has become well known in this country, is very largely sown, and has proven itself very valuable. It seems to be especially adapted for pastures, will endure close cropping, and is of strong and quick successive aftergrowth. English Rye Grass produces an abundance of foliage, which remains bright and green thruout the season, and for this reason is also much used for Lawn Grass Mixtures. It is also well adapted for permanent meadows, and yields large quantities of very nutritious hay, which is well liked by all kinds of stock. This grass grows well on almost any soil, but prefers medium rich or moist land, such as will produce a good crop of corn, and gives the heaviest yields on such land. It grows 2 to 3½ feet high. Sow 20 to 22 pounds of seed per acre.

Price: Fancy Grade, lb. 20c, bu. (14 lbs.) \$1.45, 100 lbs. \$9.25, not prepaid.—Pound by mail postpaid, 30c.

Price: Choice Grade, lb. 15c, bu. \$1.15, 100 lbs. \$8.00.

## 6. WESTERN RYE GRASS. *Agropyrum Tenuum.* Also known as SLENDER WHEAT GRASS.

The famous bunch grass of Canada and is peculiarly well adapted to the prairie soils of our northwestern states. It affords excellent pasturage and provides large quantities of hay, but if wanted for hay, should be cut early, as it is relished better by stock. It thrives on all soils, but is peculiarly adapted to prairie soils. It gives good returns on land quite strongly impregnated with alkali and fits it so that grain may be grown successfully. Resists drought and cold to a remarkable degree. When sown alone as is the common practice, the seed should be put in from 1 to 3 inches deep according to soil and season, 15 pounds to the acre. If with Bromus Inermis, 7½ pounds of each.

Price: Fancy Grade, lb. 20c, bu. (14 lbs.) \$2.00, 100 lbs. \$13.00, not prepaid.—Pound by mail postpaid, 30c.

The Timothy and Alsike Mixture bought of you last year is now showing the best stand of any of our hay meadows. J. M. CAMPBELL, Duluth, Minn.



Italian Rye Grass.

## 3. TIMOTHY AND ALSYKE CLOVER MIXTURE.

A better combination for either pasture or meadow than Medium Red Clover and Timothy, as these blossom and ripen at the same time. Alsike Clover can be sown to good advantage on moist soil where Red Clover would soon perish, and will make a much finer hay than this, and being free from fuzz and dust, it will not cause horses to cough.

The Timothy and Alsike Clover Seed that we offer, has been raised together, and both being of the same size, they cannot be separated, so that we have to sell it at a reduced price. The mixture contains about one-fourth to one-third of Alsike Clover and the balance Timothy, and is as near that proportion as we can tell, which is just the proper quantity of each to produce good results. It should be sown at the rate of 10 pounds per acre.

Price: Lb. 30c, postpaid.—Not prepaid, lb. 20c, 10 lbs. \$1.50, 25 lbs. \$3.25, 100 lbs. \$11.50; grain sacks 22c.

The Timothy and Alsike Clover Mixture I bought of you last year succeeded above all my expectations, for the ground was soon covered with a dense green mat. Every kernel of seed must have come up.

G. RAMM, Annandale, Minn.



English Rye Grass.

## RED TOP.

*Agrostis Vulgaris.*

This is a very hardy grass natural in most every state and predominates on low and marshy ground, where it produces a very luxuriant growth. Red Top is a very hardy perennial grass, growing from less than a foot to 5 feet in height under varying conditions of soil and climate. In sloughs and moist locations it grows the tallest. The stem is erect, smooth and round, while the panicle is oblong and spreading, which, tho it varies considerably in color, is generally characterized by the purple tint which seems to deepen with increasing luxuriance with the growth of the grass. The roots are more or less creeping and gather food near the surface rather than from the subsoil. The habit of growth gives it much vigor to grow on wet and very moist soil or even on somewhat dry, sandy soil where other grasses grow shyly, and it eventually covers such ground with a stiff sod. It is more highly esteemed as a pasture grass than as a hay plant on account of its hardiness and because of the degree of permanence. As a pasture grass it is very nutritious and is fairly well relished by stock. It should, however, not be sown alone for hay, as it is lacking somewhat in palatability, and even for pasture its value is greatly increased if sown in connection with other grass and clover seeds. For wet ground and sloughs we advise a combination of Red Top, Tall Fescue, Floating Meadow, Water Spear Grass and Meadow Foxtail. (See our Clover-Grass Mixtures for low ground and sloughs on pages 14 and 15.)



Red Top.

## 7. FANCY RED TOP.

Clear or Solid Seed.

This is the best grade of heavy hulled seed, thoroly re-cleaned from chaff, and is known as Fancy Red Top. Naturally this seed is much higher in price than seed in the chaff or hull, but it really does not cost more in the end as only 5 to 6 pounds of seed are required to sow an acre.

(7 a.) FANCY RED TOP, "Farmer Brand" government tested seed which is of the highest quality obtainable: Lb. 20c, bu. \$2.50, 100 lbs. \$15.00, sacks included. —3 lbs. 85c, postpaid.

(7 b.) FANCY RED TOP, "Choice": Lb. 30c, bu. \$2.25, 100 lbs. \$13.25, grain sacks 22c each extra. —3 lbs. postpaid 75c.

## 8. RED TOP AND TIMOTHY MIXTURE.

These are generally raised here together around sloughs and such low ground that is not subject to overflow. The seed consists of about one-third Red Top and two-thirds Timothy, which is about the right proportion to sow. These seeds are of the best quality, and as they cannot well be separated without a great loss, we offer them at a very low price. About 8 to 10 lbs. of this should be sown per acre. This Red Top and Timothy Mixture is well re-cleaned seed. Pound 15c, 10 lbs. \$1.50, 25 lbs. \$3.00, 100 lbs. \$10.00.—3 lbs. postpaid 75c.

## 9. ORCHARD GRASS—*Dactylis Glomerata.*

A most valuable grass for pasture or meadow, while for permanent pastures it is especially adapted on account of its earliness and great stooing qualities. It furnishes the first green bite in the spring and the last in the fall, and is quick to recover from close cropping, thriving even better the more it is cropped. When grown for hay, more than one crop can be obtained in one season, and where but one crop is taken, the after-growth, which is very heavy gives splendid and rich pasture until late in the fall. It will stand drought, keeping green and growing when other grasses are dried up, and being very hardy, is of special value for our Northern states, where it does not winter-kill. The nature of this grass is to grow in tufts, and it is therefore not adapted for sowing alone, but if sown together with other grasses, or with our Clover-Grass Mixtures, a close and even sod can be obtained. It is well suited to shady places, such as orchards and groves. Altho it is adapted for a wide range of soil, and will grow on almost all land, it gives the best results on deep, rich, sandy loam or clay soils.

(9a) "Farmer Brand" Orchard Grass: Lb. 25c, bu. (14 lbs.) \$3.00, 100 lbs. \$18.50. —3 lbs. postpaid \$1.00.

(9b) "Fancy" Orchard Grass: Lb. 20c, bu. \$2.65, 100 lbs. \$17.00.

## 10. WOOD MEADOW GRASS—*Poa Nemoralis.*

This grass is invaluable for wood pastures or shaded ground, and should be included in all mixtures for permanent pastures, especially in shady places. It grows on almost any soil, succeeding best on moist, shaded ground, and is remarkable for its quick, successive growth when closely cropped. For lawns shaded by trees it is particularly valuable, producing a very thick growth and a nice, even sod which remains green a long time. It is a hardy perennial, 1 1/2 to 2 feet high, flowering in June. Superior Grade: Lb. 40c, bu. (14 lbs.) \$5.00, 100 lbs. \$30.00.—Lb. postpaid 50c.



Orchard Grass.



Tall Meadow Oat Grass.

## 11. KENTUCKY BLUE GRASS—*Poa Pratensis.*

This most widely known of all the natural grasses, does well everywhere, and can be found in almost every part of our broad country. In sections with limestone soil it does singularly well, especially in Kentucky, where it is the principal grass, for which reason it was undoubtedly named "Kentucky Blue Grass." It is grown more for pasture than for hay as it is unusually early in the spring, providing good feed already in May and June in our northwestern states, and produces a good growth until the ground freezes. This grass is very hardy and is neither injured by the cold nor by dry weather, hot sun, the trampling of hoofs or close mowing. It is suited to any variety of soil, but succeeds best on moist, rich land containing some lime. It requires about 2 years to become well established, and for this reason should be used only where permanent pastures are wanted.

(11 a) KENTUCKY BLUE GRASS, "Farmer Brand": Lb. 20c, bu. (14 lbs.) \$2.50, 100 lbs. \$15.00.—3 lbs. 85c, postp'd.

(11 b) KENTUCKY BLUE GRASS, "Fancy": Bu. \$2.00, 100 lbs. \$13.50.

I have had the very best of success with your Grass and Clover seed, also with Corn and Potatoes. The Grass Mixture I sowed in April and I have already made two cuttings. Your Golden Jewel Corn can't be beat.

B. SCHUERCH. Bonne Terre, Mo.

I received the Apple Trees and other things that I ordered from you. I will say that they were the best packed and the best stock I ever received from any company. Was very much pleased with them.

MRS. NETTIE OLSON, Mankato, Minn.



Kentucky Blue Grass.

## 12. TALL MEADOW OAT GRASS—*Avena Elatior.*

For either hay or permanent pasture a most valuable grass, which can be successfully grown in all parts of the country. It will not winter-kill, but will live and endure our cold Northern Minnesota winters, and can also be grown in parts of the country where it is sometimes very hot and dry. This variety starts very early in spring, and is a very valuable pasture grass on this account. It is seldom sown by itself, but mostly with other varieties, as with our Clover-Grass Mixtures, where it gives the best results. Succeeds best in deep, rich, sandy soils, and even on clay and heavy dry soil it does well. It is a true perennial, growing 3 to 5 feet high, and flowering in May and June. It is a splendid grass for the Southern States. Superior Grade: Lb. 25c, bu. (14 lbs.) \$3.00, 100 lbs. \$17.50.—Lb. postpaid 35c.

## 13. CREEPING BENT GRASS—*Agrostis Stolonifera.*

This variety is a hardy perennial of dwarf growing habit, and being very deep rooted, of quick successive growth when closely cropped, is especially valuable as a pasture grass. It starts early and holds out until late in the fall. It prefers deep, rich and moist soil but is one of the best grasses as it grows in almost any location and makes a fine, velvety and close lawn. Superior Grade: Lb. 45c, bu. (14 lbs.) \$5.50, 100 lbs. \$35.00.—Lb. postpaid 55c.

Our Celebrated Clover-Grass Mixtures.—See pages 13 to 15.



Meadow Fescue.

**24. MEADOW FOXTAIL GRASS.**

*Alopecurus Pratensis.*

A fine grass which is especially well adapted for permanent pastures. It is one of the very first to start growth in the spring, and is of remarkably quick and strong aftergrowth, either when closely cropped or after mowing. On low ground and marshes this grass should be sown instead of Timothy, together with Red Top, Tall Fescue, Floating Meadow and Water Spear Grass and very large quantities of fine hay can thereby be obtained from such otherwise worthless ground. It closely resembles Timothy, but the head is smaller and soft. Many are under the impression that this valuable grass is the same as a wild species commonly known as "Foxtail" or "Squirreltail", but there is no similarity whatever. Fancy Grade: Lb. 40c. bu. (14 lbs.) \$5.35, 100 lbs. \$30.00.—Lb. postpaid 50c.



Meadow Foxtail Grass.

**15. MEADOW FESCUE—Festuca Pratensis.**

We regard this as one of the most valuable grasses for it adapts itself to different conditions of soil and climate, thriving luxuriantly in all parts of the United States and Canada. It produces a great amount of early and late feed of good quality and yields heavily,—from 2 to 4 tons of hay per acre, which is of fine quality and very nutritious. As a pasture grass it is particularly valuable, for it is a most persistent grower, being one of the earliest in spring and latest in fall, and never freezes out or winter-kills. It grows well on wet or dry bottoms, hillsides and tops, gravelly and loamy lands and clays, and having many fibrous roots running down 8 to 15 inches, resists drought wonderfully. It grows about 3 feet high, stools out well, but never grows in tufts or branches. About 18 to 22 lbs. of seed should be sown per acre. Fancy Grade: Lb. 20c. bu. (14 lbs.) \$2.00, 100 lbs. \$12.50.—Lb. postp'd 30c.

**16. SHEEP'S FESCUE—Festuca Ovina.**

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, and in mixtures for permanent pastures on dry uplands, particularly if used for sheep grazing, it should be included, as it is highly relished by them, being one of the sweetest grasses and very nutritious. On account of its fine foliage and compact growth it is very desirable for lawn purposes, making a splendid close turf. A hardy perennial, 1 to 2 feet high, flowering in June and July. Fancy Grade: Lb. 20c. bu. (14 lbs.) \$2.50, 100 lbs. \$16.50.—Lb. postpaid 30c.

**19. CRESTED DOGSTAIL—Cynosorus Cristatus.**

For permanent pastures, especially on high land and hard dry soils and hills, this grass is invaluable. It produces an abundance of foliage, is very hardy, and but little affected by extreme drought or cold weather. This variety is tender and very nutritious and relished by all kinds of stock. On account of its evergreen foliage, thick and close growing habit it is of particular value in a lawn mixture. It is a hardy perennial, 1 to 1½ feet high, flowering in June. Fancy Grade: Lb. 30c. bu. (14 lbs.) \$4.00, 100 lbs. \$26.00.—Lb. postpaid 40c.

**20. BERMUDA GRASS—Cynodon Dactylon.**

For the Southern States, particularly, this grass is best adapted, and of great value. It is the chief reliance there for pasture and hay, furnishing rich, green pastures during nine months of the year. On good land it will cut 2 to 4 tons of nice hay per acre. Thrives wherever corn or cotton can be grown. Much planted in the South as a lawn grass, and nothing will stand the sun better. ¼ lb. 35c, lb. \$1.00, pd.

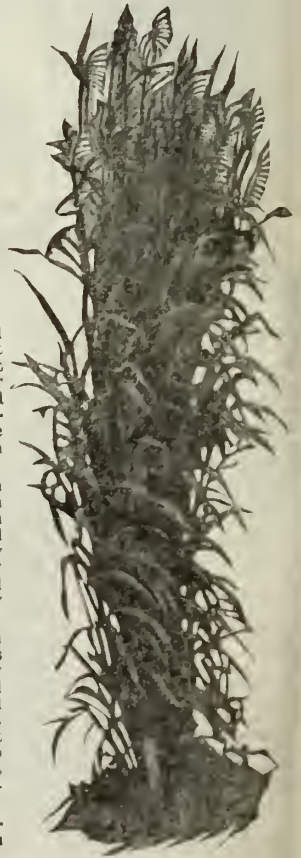


Sheep's Fescue.

**22. WILD RICE.**

*Zizania Aquatica.*

The only one of our native plants furnishing food for wild fowls, ducks, geese, etc., which has been made an article of commerce. The seed can be sown on the borders of lakes, ponds and small streams to great advantage, attracting all of these wild birds from September on. It purifies the water and affords refuge for the small fry from larger fish. Pound 30c, 10 lbs. \$2.75.—Lb. postpaid 40c.



Sudan Grass.

**18. SUDAN GRASS—Andropogon.**

**The Greatest Drought-Resisting Grass Known.**

This annual grass was first introduced by the U. S. Agricultural Department and in a very short time has become one of the most valuable grasses for hay purposes, especially in the Middle West and all semi-arid regions. It is a tall annual grass, growing under favorable conditions to a height of 6 to 10 feet, but when broadcasted thickly, it grows only 3 to 5 feet high. The stems are fine, the largest stalks seldom thicker than a lead pencil. Where the plants are scattered, they stool abundantly, as many as 100 stalks coming from a single root. The stems are leafy, erect, and seldom lodging.

The grass cures easily, making hay of excellent quality, which is readily eaten by all kinds of live stock. It has been grown with marked success thruout the semi-arid regions, maturing seed even in South Dakota. It grows equally well thru the humid regions, and from Maryland, southward, will ordinarily yield two cuttings of hay in a season. The hay should be cut as soon as the grass is fully headed. Two or more cuttings per season can be made, and the yield is from two to four tons per acre. The quality of Sudan Grass hay is superior to Millet hay and is said to be about equal to Timothy.

Sudan Grass is admirably suited for growing in mixtures with cow peas, field peas, sand vetches, and other legumes, the stiff stems of this grass supporting the vines of the legumes well. Will grow well on practically all soils and here in the Northwest it can be used as a catch-crop, same as Millet. Sudan Grass is strictly an annual and dies each year like Millet and must be seeded again each spring. This makes it fit admirably into any system of rotation and while it does not benefit the soil like legumes it does afford a change in crop and this is a good thing for the soil. Sudan Grass can be cut with a mower, but more conveniently with a binder, as the hay cures rapidly in bundles.

Sow the seed when the ground has become warm, in spring, either in drills or broadcast, using 15 to 25 pounds per acre. Northern Grown Seed, Fancy Grade: Lb. 20c, 25 lbs. \$3.50, 100 lbs. \$12.00.—Lb. postpaid 30c.



**25. MEADOW SOFT GRASS—*Holcus Lanatus.***

This variety is also known as "Velvet Grass" and "Yorkshire Fog Grass". Altho most valuable under certain circumstances, this grass is but little known. It prefers a moist and loose soil, and on account of its deep root formation, it produces a very luxuriant growth even on peaty and boggy swamps where it is almost impossible to secure a catch with other grasses. Meadow Soft Grass should therefore be included in all grass mixtures for sloughs and marshes, in particular for peat hogs that are apt to dry out in summer or fall and produce no vegetation at all. This grass grows two to three feet high, matures early, flowering in June, and has a somewhat soft and handsome appearance. Superior Grade:—Lb. 30c, bu. (14 lbs.) \$4.00, 100 lbs. \$25.00.—Lb. postpaid, 40c.

**26. TALL FESCUE GRASS—*Festuca Elatior.***

This grass is highly valued for permanent meadows. The coarse and robust in habit, it makes a very good quality of hay which is very nutritious and is greedily eaten by all stock. Being also very productive, yielding larger quantities of hay than many other grasses, it should be included in all mixtures for permanent meadows on moist and strong soils. It is also a good pasture grass, and in Virginia it furnishes cattle good grazing in midwinter. It is one of the best grasses to sow in marshes or places which are often under water. It is perennial, growing from 3 to 5 feet high. Superior Grade:—Lb. 40c, bu. (14 lbs.) \$5.35, 100 lbs. \$35.00.—Lb. postpaid, 50c.

**27. WATER MEADOW GRASS—*Poa Aquatica.***

A variety which prefers low and wet soils, therefore of great value for land which is often overflowed or under water, where other grasses do not succeed, as they drown out. Altho it grows coarse and robust, the hay, which is produced in large quantities, is very nutritious and well liked by all kinds of stock. It is a perennial, four to five feet high. Superior Grade:—Lb. 45c, bu. (14 lbs.) \$6 00, 100 lbs. \$40.00.—Lb. postpaid, 55c.



Tall Fescue.



Meadow Soft Grass.

**SLOUGHS AND MARSHES.**

**D**ID it ever occur to you that your sloughs and marshes, which are not only an eyesore but also a great detriment on account of being a breeding place for foul and obnoxious weeds, could be made a source of the largest income and to produce even more profitable returns than the best upland soil? An accumulation of the richest kind of humus matter has taken place for centuries, so that such so called waste land is simply inexhaustible, and the only question is how to utilize it to the best advantage. If circumstances do not admit of tile-draining then such land should be transformed into permanent meadows or pastures which would produce the most bountiful hay crops or the most luxuriant pastures. Marsh meadows and pastures can, however, not be established by sowing just a single kind of grass seed for a variety is required to accomplish best results. The low ground grasses are of different habits, some grow in branches, requiring other varieties to fill the vacant spaces, others again may produce an enormous crop but lack in deep root system, while certain kinds are conspicuous in forming a firm, tough sod on account of their spreading and wiry root formation. A proper combination of these grasses is necessary to make a harvest or pasturage possible, for, even if nature has provided an abundant growth of grasses, the soft, loose soil will not allow machine cutting, or the sod is soon ruined if pasturage is attempted. Now, it is one of the most important features of our carefully selected Clover-Grass Mixtures for wet ground, sloughs and marshes, to establish a firm sod so that the immense grass crop can be safely harvested or pastured. A trial of our Special Mixtures will prove our claims for them as facts.



Reed Canary Grass.

**28. REED CANARY GRASS—*Phalaris Arundinacea.***

This is a tall, leafy perennial, 3 to 4 feet or more high, with smooth sheaths and narrow branching panicles 4 to 8 inches long. It is common on low, wet grounds and is widely distributed from New England southward to Tennessee, and extending across the continent to California and Washington, and is also a native grass in Europe. Drought or cold will affect it but little, and it does well in the shade. Reed Canary Grass thrives on land too wet for Red Top, succeeding best on stiff, wet land, and on flooded fields, as well as on low, marshy ground or sloughs, where it will furnish a large amount of hay, but it will also grow fairly well upon rather dry, sandy soil. If sown on low lands, it will soon establish itself and drive out the wild or worthless varieties, furnishing heavy crops of splendid hay annually for many years. Superior Grade:—Lb. 65c, bu. (14 lbs.) \$8.50, 100 lbs. \$58.00.—Lb. postpaid, 75c.

**Special Clover-Grass Mixtures For Hog Pastures.**



It is a well known fact that hogs can be raised more profitably on Grass and Clover than on Corn only, because the former contains all the necessary bone-building elements in which Corn is almost entirely lacking. Aside from this, Corn alone is too condensed a feed for young pigs and generally interferes with their health. After hogs are well enough developed, they might be finished off on Corn alone, but from a sanitary as well as from an economical standpoint this is not the best method. Any land which will grow a good crop of corn and small grain will naturally also produce a fine crop of Grass and Clover, and a good hog pasture can be provided with considerable less labor and expense than Corn. If a good pasture is once established,

the hogs will not only keep healthy and strong but they will gain weight easily and quickly. Such a pasture will prove a profitable investment. Being greatly interested in hog raising ourselves, we have always aimed to provide a good luxuriant as well as a durable pasture for them, so as to make this enterprise as profitable as possible. As we have all the different varieties of Grass and Clover Seeds at our disposal, we have managed to establish Clover Grass Mixtures that will not only provide an abundant pasture for the hogs in about six weeks time from the day of sowing the seed, but will also produce permanent hog pasture, such as will last for at least five or six years if not closely cropped late in the fall.

Our Hog Pasture Mixtures are suited to all parts of the country.

We advocate to sow our Hog Pasture Clover Grass Mixtures, together with Barley or Rye in the spring as soon as the ground is in good condition to be worked. Fall plowed land is always preferable, as this holds the moisture well and acts quickly. As soon as the barley is high enough, and the young Clover and Grasses have matted well over the ground the hogs can be let into it. Barley is well liked by hogs and they will eat it quite eagerly, thus giving the grasses a chance to develop. When the Barley is pastured down then there will be a good stand of grass and clover established which will furnish luxuriant pasture throuth the season.

**A. Hog Pasture Clover-Grass Mixture for Quick Results and a Full Crop the First Year.**

This Clover-Grass Mixture is composed mostly of quick growing Grasses and Clovers, and is put up for the purpose to produce a quick and luxuriant growth in the shortest time possible. Will be ready to use the first year and will last for several years, will help to fatten the hogs quickly and keep them in good health. This splendid mixture has stood the test for many years and should be sown by every hog raiser. This mixture consists mainly of the following varieties: Italian Rye Grass, Orchard Grass, Tall Meadow Oat Grass, Crimson Clover, Mammoth Clover, Timothy.

Sow at the rate of 20 pounds per acre, with one bushel of Barley or Spring Rye. Price, 20 lbs. \$3.60, 50 lbs. \$8.25, 100 lbs. \$16.00.

**B. Clover-Grass Mixture for a Permanent Hog Pasture.**

For an early pasture and for securing a complete stand the first year this Clover-Grass Mixture is as valuable as the former. In order to produce more permanent results however, we found it necessary to use a larger variety of hardy Grass and Clover Seed, such as will stand close cropping and push forward constantly a new growth. It is natural that it requires Grasses and Clovers with a strong root formation to supply inexhausted pasturage.

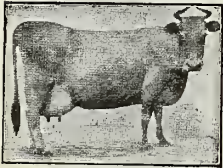
This "B" Clover-Grass Mixture consists largely of the following varieties: Crimson Clover, Mammoth Clover, Aislyke Clover, White Clover, Italian Rye Grass, English Rye Grass, Orchard Grass, Bromus Inermis, Creeping Bent Grass, and Timothy. Sow 15 lbs. per acre. Price, 20 lbs. \$3.60, 50 lbs. \$8.25, 100 lbs. \$16.00.

**C. Special Alfalfa Hog Pasture Mixture.**

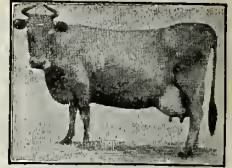
It is a proven fact that Alfalfa is of greatest feeding value for hogs, on account of containing the largest percentage of protein, which is the greatest bone and muscle builder. A well developed, strong frame is the first essential for successful hog raising. If this is once established, it is an easy matter to finish off with corn, and to produce hogs of the heaviest weight in a short time.

Alfalfa sown in connection with other deep-rooted Clovers and Grasses such as the Mammoth Clover, White Clover, Bromus Inermis, Meadow Fescue, Orchard Grass, etc., forms an almost indestructible sod, and also produces an abundance of the most valuable pasturage; all being deep-rooted, they push forth a continuous growth in spite of unfavorable and drouthy seasons. Sow at the rate of 20 lbs. per acre. Price, 20 lbs. \$3.60, 50 lbs. \$8.75, 100 lbs. \$17.00.

# WHY OUR CLOVER-GRASS MIXTURES ARE BEST ADAPTED FOR PERMANENT PASTURES AND MEADOWS AND HOW THESE CAN BE BEST OBTAINED.



It is a well established fact that a judiciously selected mixture of several varieties of Grass and Clover Seeds will produce a much larger yield—generally again as much—per acre than can be obtained with only one or two kinds sown alone. This has again been demonstrated the past season, during severe droughts in many sections. In sowing a large variety you are not running the risk of not securing a stand at all, as you would by sowing only one or two kinds, for in a larger variety there must be at least several kinds of grasses adapted to your soil, while if you sow only one kind this may not be at all suitable and no results will be obtained. A pasture containing a variety of grasses and clover is again as productive and earlier than if but one kind of grass is used, and can also be pastured throughout the season, as most grasses used in our Clover-Grass Mixtures are deep rooted and extremely drought-resisting. Several varieties sown together for a meadow, or for hay, cover the ground very closely and a larger yield of hay of much better quality can always be



obtained than by sowing only one or two kinds of grass seed. What we have said above in regard to grasses being deep-rooted and drought-resisting, also applies to grasses we use in our special mixtures for permanent meadows. In a great many parts of the country only one or two kinds of grasses are known and mostly sown, and these are Timothy and Clover. While Timothy is a splendid grass, and Clover the foundation of all successful farming, both are not permanent, and not well adapted for pasturing if sown alone, as they are easily affected by drought and frost, thereby making it necessary to resow every year or two, — a rather expensive method. In our carefully selected Clover-Grass Mixtures several varieties of natural grasses are sown together, and these will cover the ground very closely and make three spears of grass grow where formerly but one grew; besides, these Clover-Grass Mixtures will stand various climatic and soil conditions better, will last longer or be permanent, and will yield at least double the quantity of hay that is secured from ordinary fields sown to Timothy and Clover.

**HOW TO SOW THE SEED.**—For sowing our Clover-Grass Mixtures the ground should be well prepared, the same as for grain. Fall plowed land is always preferable, because this holds the moisture better than ground plowed in spring. After the ground has been well prepared the grass seeds are sown either by hand or with one of our little hand seeders. As grass seed is very fine, it should not be covered too deep, one stroke with the harrow being sufficient to cover the seed. The ground should be firmed down by means of rolling or planking, to bring the seed in direct contact with the soil and to induce immediate sprouting. The surest and best way to obtain a stand is to sow the seed alone, but if preferred, grain can be used for nurse crop, which, however, should not be sown heavier than about one-half of the usual quantity per acre. If sown alone our Clover-Grass Mixtures produce a full crop of hay or a most luxuriant pasture the first year.



Haying Scene on Farmer Seed & Nursery Company's Farms.

## A. — CLOVER-GRASS MIXTURES FOR PERMANENT MEADOWS.

The question of what grasses to use in a meadow or hay mixture is, for all those who have had no experience with the different varieties of natural grasses, hard to answer. There are so many valuable grasses and so many different kinds of soil, that it is a difficult matter for a great many to make a proper selection for the purpose required.

For a meadow we combine those grasses and clovers which blossom and mature at about the same time. Grasses of a bunchy growing habit should be intermingled with those of a spreading nature, so as to fill the spaces and make a compact and even growth of herbage. We also use such kinds as will make a rapid growth after each cutting. As Clover sown together with Grass Seeds will increase not only the quantity but also the quality, of the hay, we have added Clover to all the Clover-Grass Mixtures intended for such soils that are adapted for growing Clover. All kinds of farm stock enjoy a varied ration, and the hay will be relished more and prove more nutritious and milk-producing when the meadow consists of several sorts instead of a single kind. All our grass mixtures are of the highest grade and quality.

**A. No. 1.**—For dry and high ground, light medium soils.

Red Fescue.....	} Sow per acre:	25 lbs.....\$4.25
Crested Dogtail.....		
Hard Fescue.....		
English Rye Grass.....		
Meadow Fescue.....		
Bromus Inermis.....	} 50 lbs.....\$8.00	
Timothy.....		
Red Clover.....		
Alfalfa.....	} 100 lbs.....15.50	

**A. No. 2.**—For dry and high ground, heavy or strong soil:

Tall Meadow Oat.....	} Sow per acre:	25 lbs.....\$4.25
Hard Fescue.....		
English Rye Grass.....		
Meadow Fescue.....		
Bromus Inermis.....		
Red Top Grass.....	} 50 lbs.....\$8.00	
Timothy.....		
Red Clover.....		
Alsike Clover.....	} 100 lbs.....15.50	

**A. No. 3.**—For moist ground and rich soils:

Meadow Foxtail.....	} Sow per acre:	20 lbs.....\$3.40
Meadow Fescue.....		
Tall Meadow Oat.....		
Italian Rye Grass.....		
Timothy.....		
Red Top.....	} 50 lbs.....\$8.00	
Bromus Inermis.....		
Alsike Clover.....		
	} 100 lbs.....15.50	

**A. No. 4.**—For moist ground which is overflowed occasionally:

Tall Fescue.....	} Sow per acre:	20 lbs.....\$3.40
Meadow Fescue.....		
Red Top Grass.....		
Meadow Foxtail.....		
Timothy.....		
Alsike Clover.....	} 50 lbs.....\$8.25	
	} 100 lbs.....16.00	

**A. No. 5.**—For top seeding on marshes and swamps occasionally overflowed, the following mixture is especially adapted:

Water Spear Grass.....	} Sow per acre:	25 lbs.....\$5.50
Flouring Meadow.....		
English Rye Grass.....		
Red Top Grass.....		
Tall Fescue Grass.....		
Meadow Foxtail.....	} 50 lbs.....10.25	
	} 100 lbs.....20.00	

**A. No. 6.**—For peaty and boggy swamps, which as a general rule are so dry during the summer that no vegetation will grow in them.

Meadow Soft Grass.....	} Sow per acre:	20 lbs.....\$3.50
Bromus Inermis.....		
Timothy.....		
Red Top.....		
Tall Fescue.....		
English Rye Grass.....	} 50 lbs.....\$8.50	
	} 100 lbs.....16.50	



## B. — CLOVER-GRASS MIXTURES FOR PERMANENT PASTURES.

For a pasture mixture the chief requisite is that the grasses be early, medium and late, and do not mature all at the same time, so as to furnish continuous grazing throughout the entire season. Tufted grasses must be used only in small proportion for pastures and their places must be taken by the turf formers with their interlacing mat of underground runners.

**B. No. 1.**—For high and dry ground, light soils:

Hard Fescue.....	} <b>Sow per acre:</b>	
Red Fescue.....		
Red Top Grass.....		
Bromus Inermis.....		25 lbs..... \$4.50
Meadow Fescue.....		
English Rye Grass.....	50 lbs..... 8.50	
Crested Dogtail.....	100 lbs..... 16.00	
Alfalfa.....		
Red Clover, White Clover.....		

**B. No. 2.**—For high and dry ground, heavy or clay soils:

Meadow Fescue.....	} <b>Sow per acre:</b>	
Orchard Grass.....		
English Rye Grass.....		
Tall Meadow Oat.....		25 to 30 lbs.
Blue Grass.....		
Bromus Inermis.....	25 lbs..... \$4.50	
Italian Rye Grass.....	50 lbs..... 8.50	
Red Fescue.....	100 lbs..... 16.00	
Timothy,—White Clover.....		
Alyske and Red Clover.....		

**B. No. 3.**—For moist ground and rich soils:

Meadow Foxtail.....	} <b>Sow per acre:</b>	
Blue Grass.....		
Fowl Meadow.....		
Meadow Fescue.....		22 lbs..... \$4.00
Orchard Grass.....		
English and Italian Rye Grass.....	50 lbs..... 8.50	
Timothy.....	100 lbs..... 16.00	
Red Top.....		
Alyske and Red Clover.....		
White Clover.....		

**B. No. 4.**—Specially adapted for wood pastures; also adapted for orchards and shady places.

Wood Meadow.....	} <b>For Top Seeding.</b>	
Orchard Grass.....		
Blue Grass.....		
Tall Meadow Oat.....		
Meadow Foxtail.....		
White and Alyske Clover.....	15 lbs..... \$2.85	
Timothy.....	50 lbs..... 9.00	
	100 lbs..... 17.50	

**B. No. 5.**—For low bottom lands, sloughs or marshes; also for top-seeding to improve a pasture on low ground. During the summer and early in fall such ground is generally dry enough to allow working it with a team, when it should either be plowed or thoroughly disked and then harrowed. After the grass mixture as described below is sown the ground should be harrowed again to cover the seed.

Meadow Foxtail.....	} <b>Sow per acre:</b>	
Water Spear Grass.....		
Floating Meadow.....		15 to 20 lbs.
Meadow Soft Grass.....		20 lbs..... \$3.75
Creeping Bent Grass.....		50 lbs..... 9.00
Meadow Fescue and Red Top.....	100 lbs..... 17.50	
Alyske Clover.....		

**B. No. 6.**—Specially selected for sheep pasture on light, sandy soils or dry uplands and hillsides:

Sheep's Fescue.....	} <b>Sow per acre:</b>	
English Rye Grass.....		
Crested Dogtail.....		25 to 30 lbs.
Timothy.....		30 lbs..... \$5.50
Orchard Grass.....		50 lbs..... 9.00
Meadow Fescue.....	100 lbs..... 17.50	
White Clover and Red Top.....		

## C. — CLOVER-GRASS MIXTURES FOR PARTICULAR PURPOSES.

**C. No. 1.**—We call this our Standard Clover-Grass Mixture. It can be sown anywhere on ground which will produce a crop of corn or small grain. It can be mown early and will produce a good, heavy crop of hay, and the quick and successive aftergrowth will furnish good pasturage until late in the fall.

Meadow Fescue.....	} <b>Sow per acre:</b>	
Tall Meadow Oat.....		
Meadow Foxtail.....		
Orchard Grass.....		25 lbs..... \$4.50
English Rye Grass.....		
Italian Rye Grass.....	50 lbs..... 8.75	
Timothy.....	100 lbs..... 17.00	
Creeping Bent.....		
Red Top and Blue Grass.....		
Red and Alyske Clover.....		

**C. No. 2.—SPECIAL RENOVATING CLOVER-GRASS MIXTURE, or QUICK RETURN MIXTURE.**—We selected and made this up for rapid growth with a view to use for either alternate husbandry or as a catch crop. When sown in early spring, March or April, it will give a full crop of hay in July, and pasture for the rest of the year. If sown in spring on bare spots in fields where the clover or grass has mostly been winter-killed, or otherwise injured, it will be ready to cut with the other grass or clover, and a full crop from such fields can thereby be secured.

Orchard Grass.....	} <b>Sow per acre:</b>	
Italian Rye Grass.....		
English Rye Grass.....		20 lbs..... \$3.75
Tall Meadow Oat.....		
Timothy.....		50 lbs..... 8.75
Crimson Clover.....	100 lbs..... 17.00	
Mammoth Clover.....		

**C. No. 3.—Special Alfalfa, or Lucerne Clover-Grass Mixture.**—Consists mainly of Alfalfa, Bromus Inermis, Orchard Grass, and such varieties of grasses that will not only stand drought, but will also flourish on poor soils and give large yields in the driest summers, after once being established. We sell large quantities of this special mixture to our customers in Kansas, Nebraska and Oklahoma where it has given the best of satisfaction. Sow 20 pounds per acre. 20 lbs. \$4.50, 50 lbs. \$8.75, 100 lbs. \$17.00.

**SPECIAL CLOVER-GRASS MIXTURES FOR HOG PASTURES—SEE PAGE 13.**

# RELIABLE MINNESOTA GROWN CLOVER SEED.

**PLEASE NOTE**—Prices on Clover Seed are subject to fluctuations of the market, and we therefore reserve the right to fill orders at prices quoted on the different varieties only as long as the market permits us to do so. Should the market be higher or lower when we receive your order, then we shall send seed for the full value of the money remitted. Buyers of large quantities should write for samples and for definite and lowest prices before buying, which we will quote by return mail, then there is sure to be no misunderstanding.

## 32. MINNESOTA GROWN MEDIUM RED OR JUNE CLOVER.

The Medium Red Clover may justly be styled "the corner stone of agriculture" in the Northwestern, the North Central and Eastern States. Either alone or in a mixture with other grasses for hay or pasture it generally constitutes from one-eighth to one-third of the total area of cultivated land on most successful farms throuth this area, and is an important crop far beyond these boundaries. For centuries it has constituted one of the most important factors in maintaining a permanent system of agriculture in the Old World. In this country for a century and a half it has assumed a more and more important role in conserving the natural resources of the soil, thereby tending to maintain the profitable yields of the staple agricultural products.

Red Clover is utilized both as a hay and as a pasture crop and often as a soiling crop. It is sometimes used as a green manure crop to be plowed under if the ground is poor in humus. Even where it is cut for hay and only the roots and stubble turned under it has a marked influence in increasing the yields of succeeding crops. It makes an ideal hay for cattle and in the clover sections should constitute from one-half to two-thirds of the roughage rations of milk cows. Sheep and young stock of all kinds make excellent gains on either the pasture or the hay. In addition to its usefulness as a food for animals it has a most important effect upon the land in maintaining the supply of nitrogen in the soil. By means of the nitrogen-fixing organism on its roots the Red Clover plant is able to gather large quantities of nitrogen from the air and leave it in the soil in a form which can readily be utilized by growing crops. It not infrequently happens that the yield of a grain crop can be doubled by the growing and plowing under of a crop of clover. In order to keep the farm up, Medium Red Clover should be sown with all spring grain at the rate of 6 to 7 pounds per acre, if for no other purpose than merely as a fertilizer and to keep the weeds down. It will surely prove of double benefit, for if pasturage is scarce the cattle can be turned onto it, and if not required for this purpose entirely our land requires fertilizers of some kind which barnyard manure alone cannot supply.

Our Minnesota Grown Clover Seed with which we have been supplying our customers in every section of the United States for years is well known for its hardiness, healthy growth and its wonderful productive-ness. In purity and in great vitality it is unsurpassed, on which account it is always in great demand for export, for which purpose seeds of the highest quality only can be used.

All the different grades of our Minnesota grown Medium Red and Mammoth Clover are absolutely free from dodder and plantain because such weeds do not live thru our cold northern winters here in Minnesota. You will find this mostly in all imported clover seed as well as in seed produced further south and also in clover seed from the Pacific Coast States.

### PRICES ON MEDIUM RED CLOVER.

(32) "FARMER BRAND." Unexcelled in purity, high vitality and nice dark color. This Farmer Brand quality, we guarantee to conform in every respect with the requirements of the new seed laws enacted by the different states, and is therefore the most reliable seed offered by any seed house. Not prepaid, Pound 25c, peck \$3.75, 1/2 bu. \$7.25, bu. \$14.00, 100 lbs. \$23.00, grain sacks included.—Lb. postpaid 35c.

(32a) FANCY. Peck \$3.35, bu. \$12.85, 100 lbs. \$21.00. Grain sacks 22c each, extra.

(32b) CHOICE. Peck \$2.85, bu. \$10.75, 100 lbs. \$17.50. Grain sacks 22c each, extra.

## 33. MAMMOTH CLOVER—Trifolium Pratense Perenne.

Also known as Pea Vine Clover or Cow Grass. This is well known for its enormous yields and for reclaiming exhausted land. It is extremely hardy and will flourish on soil which is too low and heavy for the Common Red Clover. Where permanent hog pastures are wanted our Minnesota Grown Mammoth Clover will give the best results, because it is a hardy perennial and hardly ever freezes out. On account of being so permanent it can be sown to good advantage in fall, even here in the Northwest, and should always be included in Permanent Pasture Mixtures. It produces very large crops of hay, yielding from three to five tons per acre. The hay is of choice quality, and is greedily eaten by all kinds of stock. As a fertilizer to plow under green it has no equal, and for this purpose 5 to 6 pounds per acre should be sown with all small grain. The Mammoth Clover Seed which we offer, has been grown here in this section and our customers can therefore depend on getting the true Mammoth Clover.

(33) "Farmer Brand" quality, unexcelled in purity and vitality. Not prepaid, lb. 25c, peck \$4.00, 1/2 bu. \$7.50, bu. \$14.45, 100 lbs. \$23.50, grain sacks included.—Pound postpaid 35c.

(33a) Fancy. Peck \$3.50, bu. \$13.25, 100 lbs. \$21.50, grain sacks 22c extra.

## 34. CRIMSON CLOVER—Trifolium Incarnatum.

This is also called Giant Incarnate and German Mammoth Clover. Altho it is only an annual, it answers the same purpose as the considerably higher priced Medium Red Clover in many respects. It has the nature of a winter grain, can, however, also be sown in spring as well as in fall. For northern sections spring sowing is preferable, while in the eastern states it is generally sown in fall. It is remarkable for its rapid growth, and is the only clover that yields a full and heavy crop the first year. One of the most important features is its great value as a fertilizer. It should therefore be sown with all spring grain for the purpose of reclaiming worn-out soil and keeping up improved land to its fertility. If sown in spring with grain, as a fertilizer, it should be turned under the same fall on account of being only an annual. On land so poor that common clover would do but little, it produces a dense and heavy growth. This clover, like other leguminous plants, gathers nitrogen from the air and stores it in the plant and roots; which becomes available food for succeeding crops. The nitrogen from one acre of clover alone could not be bought for less than \$30.00, being equal to that found in twenty tons of stable manure, and can be obtained at such a comparatively small cost.

Fancy Grade. Not prepaid, lb. 20c, peck \$2.50, bu. \$9.25, 100 lbs. \$15.00, grain bags 23c each extra.—Pound postpaid 30c.

**NOTICE:**—To increase the yield and improve the soil use MULFORD NITRO GERM for inoculating your Clover, Alfalfa and all other legumes. See page 8.

We have been using your Seed for the last ten years, have always had the best success and cannot make a garden without them.—M. MADISON, Eversly, Iowa.

My order for trees arrived here in finest condition and everything is satisfactory. I paid you \$16.00, the same bill bought of an agent would have cost me \$40.  
GEO. E. WRIGHT, Gildford, Mont.



### THE SOWING OF THE SEED.

In the Northwest as well as in all the North Central States, Clover is usually sown in the spring with small grain but it oftentimes fails to catch on account of the grain crop being too heavy and smothering it. Of the grain, not more than two-thirds of the ordinary quantity should be sown per acre. Early maturing varieties of oats that do not stool heavy should be selected so that the clover has a chance to grow and develop after the grain has been harvested. The different kinds of barley and flax make a first class nurse crop. Often, clover fails because it is not planted sufficiently deep to insure proper moisture conditions for the young plants.

In light and sandy soil, the seed should be covered 1 1/2 to 2 inches deep, while in clay soil, the covering should not be more than about 1 inch. For prompt germination, it is advisable, on reasonably loose soil, especially sandy land, to roll the ground after seeding. If a smooth roller is used, it should be followed by a harrow to roughen the surface and thus preventing the rapid evaporation of the soil moisture. Where the clover is sowed in the spring, on winter ground, no special preparation of the seed bed is necessary as the frost has usually cracked the soil sufficiently to render a natural covering a reasonable certainty. It will, however, not injure the winter grain and will prove beneficial for the clover if a light harrow, tilted backward, is run over the field to cover the seed.



Crimson Clover.



# RELIABLE MINNESOTA GROWN CLOVER SEED.

PRICES ON CLOVER SEED ARE SUBJECT TO THE FLUCTUATIONS OF THE MARKET.

## 35. WHITE CLOVER—*Trifolium Repens*.

This is of particular value in mixtures for permanent pastures and lawns, and will grow on almost any kind of soil, even on wet and moist ground, but not on such as over-flows for any length of time. Being very hardy and of creeping habit, it will also prevent the ground from being washed away by heavy rains. The seed is very fine, and if sown by itself, about five pounds are sufficient per acre; it should, however, never be sown alone, unless it be for raising seed. White Clover is used mainly for sowing in mixtures with other grass seeds, especially with Blue Grass, to obtain permanent pastures.

(35) "Farmer Brand", not prepaid: Lb. 65c, peck \$9.00, 1/2 bu. \$17.00, bu. \$33.50, 100 lbs. \$55.00, sacks included.—Pound 75c, postpaid.

(35 a) Fancy, not prepaid: Lb. 55c, peck \$8.25, 1/2 bu. \$15.50, bu. \$30.50, 100 lbs. \$50.00, sacks 22c each extra.

## 37. ALSYKE OR SWEDISH CLOVER—*Trifolium Hybridum*.

The advantages which the Alsyke Clover has over Red Clover and other varieties are its hardiness and true perennial character. It adapts itself to a great variety of soils, growing on the edge of a stream, in swamps or on low land and also flourishing on dry and stubborn, stiff clay and upland soils, thus being capable of resisting the extremes of drought and wet alike. It is well liked by all stock, either green in the pasture or when cured for hay. Horses, cows and sheep prefer it to Red Clover, as it makes finer and better hay than this, the stalks not being so thick and woody. It is very sweet and fragrant and is well liked by bees. This clover grows 15 to 20 inches high, the heads are round and flesh colored. It can be sown with Timothy to good advantage, as both mature at the same time, which is a very important feature for the production of hay. Wherever the Medium Red Clover fails for certain reasons, Alsyke should be sown on account of its hardy nature; it is perennial and will not winter kill. When sown with other grasses, it forms a thick, heavy undergrowth and greatly increases the yield. If Alsyke is sown for seed, this is taken from the first crop. Sow 6—7 lbs. per acre.

(37) "Farmer Brand", not prepaid: Lb. 25c, peck \$3.65, 1/2 bu. \$6.50, bu. \$12.50, 100 lbs. \$20.50, sacks included.—Pound 35c, postpaid.

(37 a) Fancy, not prepaid: Lb. 25c, peck \$3.25, bu. \$11.75, 100 lbs. \$19.00, grain sacks 22c each extra.

(37 b) Choice, not prepaid: Peck \$2.85, bu. \$10.50, 100 lbs. \$17.00, grain sacks 22c each extra.

For our Alsyke and Timothy Mixture, see page 10. This is a very low priced mixture, which should be sown where it is too wet for Medium Red Clover.

## 38. BOKHARA, SWEET OR BEE CLOVER—*Melilotus Alba*.

The True White Flowering Bokhara Clover.

This clover is especially adapted for bee pastures, and whoever keeps bees should not fail to put in at least half an acre to an acre, for it is greatly relished by them, and the honey is as nice and clear as crystal. It grows on poor and sandy soil and also on land that is stony and rocky; its strong roots will penetrate any kind of soil. The value of the Bokhara Clover as a fertilizer was not known at all until recently several experiment stations published articles on it. Within the last few years the demand for this clover has been increasing tremendously. It is planted mainly for fertilizer, however in many sections it is being grown for fodder and the growers claim that in feeding value it is equal to Red Clover. It has been proven by many experiments, that Bokhara Clover will furnish the soil with bacteria for the successful growing of Alfalfa. It is a great fertilizer and will in a short period make sandy soil fertile. Sow 10 to 12 lbs. per acre. As a fertilizer Sweet Clover ranks the highest of leguminous crops. It has the ability of gathering nitrogen from the air and enriches the soil with it. All other clovers have slender, fibrous roots which are slow to decay, but Sweet Clover develops clusters of fleshy roots which reach many feet into the ground and decay when 2 years old, leaving their nitrogen contents in condition for immediate use, and the soil in the highest state of permeability.

Price: Lb. 30c, peck \$3.75, bu. (60 lbs.) \$13.50, 100 lbs. \$22.00, not prepaid, bags 22c extra.—Lb. postpaid 40c.



Unexcelled in Purity, Vitality and Productiveness.

## 38 b. YELLOW SWEET CLOVER—*Melilotus Officialis*.

It is very similar to the White Flowering sort and is also a biennial, but blooms earlier. For inoculating the soil for alfalfa culture as well as for fertilizing purposes this Yellow Flowering variety is preferred by many. For bee pasturing it is much used to supplement the White Flowering variety. As it blooms about two weeks earlier the season is prolonged. The plant is of dense growth and when once fairly started, will smother out all weeds.

Price: Lb. 25c, peck \$3.00, bu. \$11.25, 100 lbs. \$18.00, not prepaid, bags 22c each extra.—Pound 35c, postpaid.

## 39. KIDNEY VETCH CLOVER. *Anthyllis Vulneraria*.

A deep-rooting, drought-resisting clover, suitable for sowing on light, sandy or limestone soils. The seed is about the same shape and size as Red Clover, but the kernels are green on one end. It furnishes good pasturage as well as hay, and is not affected by severe drought nor extreme cold. Several years ago, when grown by the Experiment Station at Garden City, Kansas, it withstood severe drought exceedingly well. Sown in July or August, like Crimson Clover, it will give a large yield early next spring or can be plowed under green. It is a great fertilizer and will in a short period make unproductive soils fertile. About 10 to 15 pounds of seed are required for one acre.

Price: Lb. 25c, peck \$3.50, bu. \$12.60, 100 lbs. \$20.50, not prepaid, bags 22c each extra.—Pound postpaid 35c.

## 40. SAINFOIN OR ESPARCETTE CLOVER. *Onobrichis Sativa*.

An excellent, but comparatively little known variety, of special value for growing on light, dry, sandy or limestone soils. It is very deep-rooted, and therefore withstands drought. On account of its high feeding value it is a very good fodder plant. This variety is also known under the name of "Sand Clover"; will grow on gravelly soil and in barren regions, deficient in rainfall. It makes excellent feed for cows, increasing the flow and quality of milk. Will make two good cuttings a season. Esparcette is usually sown with oats or barley, at the rate of 25 to 40 pounds per acre.

Price: Lb. 20c, 25 lbs. (for one acre) \$3.50, bu. (50 lbs.) \$6.50, 100 lbs. \$12.50, not prepaid.—Pound postpaid 30c.

## 41. YELLOW TREFOIL—*Medicago Lupulina*.

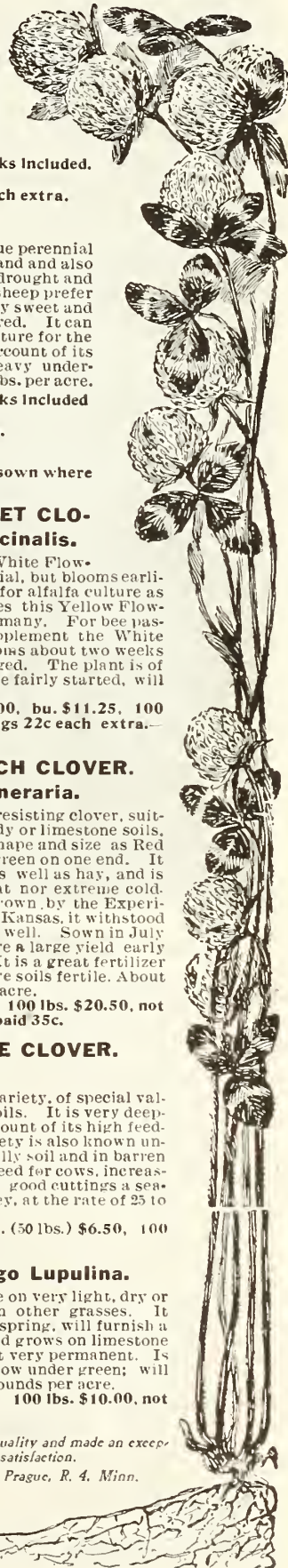
This variety is valuable for a sheep pasture on very light, dry or poor ground, and can be sown either alone or with other grasses. It grows rapidly and is very productive. If sown in spring, will furnish a full crop the same season. Resists drought well and grows on limestone soils where other clovers will not thrive. It is not very permanent. Is of considerable value for fertilizing purposes to plow under green; will make light, loose soils productive. Sow 10 to 15 pounds per acre.

Price: Lb. 20c, peck \$2.00, bu. (60 lbs.) \$6.50, 100 lbs. \$10.00, not prepaid.—Pound postpaid 30c.

The Clover Seed purchased from you was of the finest quality and made an exceptionally good stand. Your Garden Seed gave also the best of satisfaction.

JOHN SWOBODA, New Prague, R. 4, Minn.

To increase the yield and improve the soil use MULFORD NITRO GERM for inoculating your Clover, Alfalfa and other legumes. See page 8.



Alsyke Clover.



## ALFALFA OR LUZERNE.



Of all the different kinds of Clover, Alfalfa is the hardiest and most productive. During long protracted droughts it will flourish and yield abundantly when all other vegetation dies. The taproots descend to great depths wherever the soil is loose and permeable, often averaging 15 to 20 feet. It has been recorded that Alfalfa sends its roots to a depth of 50 to 66 feet, and it is believed that under especially favorable circumstances they may even go deeper. It grows well on most any soil underlaid by a loose and permeable subsoil.

Alfalfa hay, when well cured, is of the greatest feeding value, and is greatly relished by all kinds of stock, it is very rich in protein, that is, in the albuminoids and similar nitrogenous compounds, which, when fed to cattle, are transformed into blood, muscle, tendon and bone. It is, therefore, a substitute for wheat, bran and cotton seed meal, usually purchased by the farmer, to help make a balanced ration with Timothy hay and corn fodder, and since it can be grown on the farm, there is a great saving in the cost of producing beef, pork and mutton. Alfalfa hay can be fed profitably to all kinds of live stock, and is especially valuable for young and growing cattle, horses and sheep. To make the best hay it should be cut when the first flowers commence to appear, for if cut when in full bloom, or even later, the stems become woody and hard. When grown on the most suitable soils, Alfalfa yields with ordinary care and cultivation, from one to two tons of rich, nutritious hay every four to six weeks per acre, and can be cut, according to location and circumstances from three to eight times a season.

As a milk Producer, Alfalfa has no equal, and no dairy farmer should be without a field of it; for it can either be pastured or fed green from the field. One acre of Alfalfa will furnish forage for 15 to 25 hogs per season. There is no cheaper and better way of producing pork than to allow growing pigs to run in a field of Alfalfa. It is also the greatest soil renovator.

Alfalfa is easily cultivated and is sown early in the spring on well prepared soil at the rate of 15 to 20 pounds per acre. It can be sown either by itself or with grain as nurse crop. One cannot figure on much of a crop from Alfalfa the first season, although it is nothing unusual to cut it twice the same year the seed is sown and harvest 1½ tons of hay per acre. It should not be overlooked that our "FARMER BRAND" seed is the highest quality obtainable and that it always has a purity test of at least 98 per cent and oftentimes tests close to 100 per cent. Write us for definite test and samples which we cheerfully send upon request.



Field of Grimm Alfalfa, Showing Our Warehouse in the Background.

### 42. GRIMM ALFALFA.

This is the hardiest of the Alfalfa family and is a strain of the Medicago Sativa, introduced by Mr. Wendelin Grimm of Carver County, Minnesota, from Germany, over thirty-five years ago. As this strain has been grown here in the Northwestern climate of Minnesota for such a length of time, it is thoroughly acclimated and hardy so that it can be safely grown everywhere. In comparative tests, which the U. S. Department of Agriculture carried on for a great many years, the Grimm Alfalfa withstood the cold and rigorous climate of North Dakota beyond all expectations, for only two plants out of seventy winter killed, while of all the other varieties, planted at the same time, only a few of the plants survived.

The U. S. Department of Agriculture describes the Grimm Alfalfa as follows in Bulletin No. 209: "To the casual observer Grimm Alfalfa looks very much like all other Alfalfas, but on closer examination, it is found to be considerably more diverse than most kinds, showing individuals of upright and decumbent growth next to one another and showing a greater diversity in flower color than prevails in common Alfalfa. All Alfalfa has a certain range of flower color, but the Grimm has more than most cultivated sorts. The origin of this diversity can probably be traced to crossing in middle Europe between cultivated fields of true Alfalfa (Medicago Sativa) and neighboring isolated wild plants of the yellow-flowered sickle lucern (Medicago Falcata). These two species intercross with considerable freedom. The percentage of crossing that has taken place is necessarily very small because of the scarcity of plants of the wild parents. It is more or less evident in practically all European Alfalfas, but especially in that which is imported from Germany, Austria, France and Roumania.

Price for Grimm Alfalfa: "Farmer Brand," lb. postpaid, 60c.—Not prepaid, lb. 50c, peck \$7.25, ½ bu. \$14.00, bu. \$27.25, 100 lbs. \$45.00, sacks included.

### 46. MONTANA ALFALFA.

This is especially recommended by our Agricultural Department as being hardy and reliable. Montana grown seed is usually of extra fine quality, large and plump. Our seed is obtained from the best section.

"Farmer Brand" Seed: Pound postpaid, 40c.—Not prepaid, lb. 30c, peck \$4.75, ½ bu. \$8.75, bu. \$16.85, 100 lbs. \$27.50, sacks included.

46 A. Fancy Grade: Not prepaid, peck \$4.25, ½ bushel \$8.25, bushel \$16.00, 100 lbs. \$26.00, sacks 22c each extra.

To insure best results inoculate Alfalfa Seed with the Mulford "Nitro Germ," see page 8.

### 43. ALFALFA—Medicago Sativa.

This is thoroly acclimated, hardy, northern grown seed, having been grown either here in Minnesota, Wisconsin, or in North and South Dakota. That such Alfalfa must be hardy is self evident. Furthermore, it must also be free from dodder, plantain, and other obnoxious foul seeds found in Alfalfa grown in a milder climate. We sell more of this hardy strain than of all the other Alfalfas, and recommend it particularly for the Northwest.

43. "Farmer Brand," lb. postpaid, 40c.—Not prepaid, lb. 30c, pk. \$4.25, ½ bu. \$7.75, bu. \$15.25, 100 lbs. \$25.00, sacks included.

43A. Fancy, not prepaid, lb. 30c, peck \$3.90, ½ bushel \$7.50, bu. \$14.50, 100 lbs. \$23.75, grain sacks 22c each extra.

### 44. DRY LAND ALFALFA.

This is a strain of the Medicago Sativa that has been mainly grown in the arid and semi-arid sections of Nebraska, Montana, North and South Dakota and having been produced for years in regions with limited rainfall and without irrigation, it is thoroly naturalized and acclimated and is sure to produce better results than other kinds.

"Farmer Brand," lb. 40c, postpaid.—Not prepaid, lb. 30c, pk. \$4.25, ½ bu. \$8.00, bu. \$15.75, 100 lbs. \$26.00, sacks included.

### 45. TURKESTAN ALFALFA.

This was introduced by our Agricultural Department. It was growing on the high table lands of Asia, and is especially adapted to the sudden changes of temperature that prevail there—intense heat at mid-day and very often frost at night, even in midsummer. Its cultivation has been quite successful in the arid regions of the West.

Lb. postpaid, 40c.—Not prepaid, lb. 30c, peck \$4.00, bu. \$14.75, 100 lbs. \$24.00, sacks 22c each extra.

### 47. WESTERN ALFALFA.

We can supply very fine quality western grown Alfalfa seed from the best Alfalfa sections of Nebraska and Kansas. This seed is of very good quality and can be bought at comparatively low prices.

Fancy Grade: Lb. 40c, postpaid.—Not prepaid, lb. 30c, peck \$4.00, ½ bushel \$7.50, bushel \$14.50, 100 lbs. \$23.50, sacks included.

See Page 8 for further information on Alfalfa.

# LAWN GRASS SEED



## LAWN GRASS MIXTURES FOR ALL PURPOSES.

There is nothing that adds more to the appearance and attractiveness and also to the value of a home than a nice, well kept lawn, which can be easily established at a very small expense. A few suggestions in regard to lawn making may be appreciated by the amateur.

Lawn Grass Seed can be sown at most any time, from early in the spring until fall as the seeds are very hardy, but the best time is early in the spring, on well prepared soil. If the ground intended for a lawn has to be graded, the best ground should be procured, and soil that contains obnoxious weeds should be avoided. It is poor policy to sow grass seed on ground that is as solid as a road, for the roots of the young grass cannot penetrate such soil. It should be spaded up first or it should be plowed and well pulverized by means of a harrow or rake. After it is well smoothed and leveled down, the seed can be sown. To obtain as even a stand as possible, we advocate sowing one-half of the seed one way and the other half the other way. By following this method, you will be sure that your grass seed won't come up in spots. It is well to select a quiet day for sowing seed as some of the lighter seeds would be carried off in case it should be windy. Two and one-third to three bushels of lawn grass seed is required per acre or one pound for every 300 square feet of ground. It is necessary to sow grass seed very thick so as to obtain a close stand. This will also prevent weeds from coming up. After sowing the seed it should be raked in or, if the area is large, it should be harrowed to cover the seed. To bring the seed into direct contact with the soil and to cause immediate sprouting, the ground should be firmed down by rolling or planking. During a wet spell, however, this would not only be unnecessary but, on the contrary, might prove detrimental as it would pack the soil too much and form a crust through which the young sprouts could not penetrate.

Nothing is more important than a carefully selected lawn grass mixture, composed of fine leaved and deep rooted grasses, such as will start early in the spring and remain nice and green until late in the fall. Under favorable circumstances, the common grasses may answer the purpose but they will last for one or two seasons only for which reason it is always advisable to sow carefully selected lawn grass mixtures.

On account of making grass growing a specialty and handling such large quantities of fancy grasses, we are in a position to prepare the finest lawn grass mixtures which insure the best results. Write us for special mixtures intended for special purposes.

**PARK LAWN GRASS MIXTURE**—For lawns of greater dimensions we recommend this as our standard lawn grass mixture. This has been sold by us for years, and has always given the best satisfaction. It has been sown on almost every kind of soil and under most every condition, and we have to learn of the first unsatisfactory result yet from sowing our Park Lawn Grass mixture. The seed is free from weeds, and of the best vitality. It will start at once before the weeds. It root deeply, withstanding severe droughts without turning yellow or brown and will not grow in tufts or clumps. This mixture is unequalled for lawn, parks, tennis and croquet grounds. Two and one-half bushels should be sown per acre. Qt. 35c, 4 qts. \$1.25, postpaid.—Not prepaid, lb. 30c, pk. (5 lbs.) \$1.25, bu. (20 lbs.) \$4.00, 5 bu. (100 lbs.) \$16.50.

**GARDEN CITY LAWN GRASS**—Where a fine lawn around a private house is wanted, this Lawn Grass Mixture will be found best adapted. The grasses used in its combination will make a luxuriant growth in spring, summer and autumn, not being affected by drought very easily, and are always presenting the same green, velvety appearance. One quart will cover about 250 square feet. Qt. 40c, 4 qts. \$1.50, postpaid.—Not prepaid, lb. 35c, pk. \$1.50, bu. (20 lbs.) \$5.00.

**SHADY NOOK MIXTURE**—In many lawns where there are large shady trees there are shady places where ordinary mixtures thrive but poorly or die out altogether. For such spots we have a special mixture of grasses which will grow in the shade as well as in the sun. If you have shady, barren places in your lawn, try our Shady Nook Mixture. Qt. 45c, 4 qts. \$1.75, postpaid.—Not prepaid, lb. 40c, pk. \$1.60, bu. (20 lbs.) \$5.50.

**SPECIAL GOLF LINK AND TENNIS COURT MIXTURE**—Our special mixture for this purpose is composed of fine hardy Grasses of low and creeping habit that will form a firm and close sod in a very short time, which will withstand any amount of wear upon it without suffering. Nearly all of the selected Grasses being deeply rooted the golf and tennis grounds established can withstand drought and heat without suffering. Qt. 40c, 4 qts. \$1.50, postpaid.—Not prepaid, lb. 35c, pk. \$1.50, bu. (20 lbs.) \$5.00, 5 bu. \$24.00.

**TERRACE SOD MIXTURE**—A special mixture of grasses for sowing on terraces and side hills, producing strong, spreading roots, thus preventing heavy rains from washing out. It will withstand drought and exposure and thrive on shallow soils and at the same time produce a rich green lawn throughout the season. Qt. 45c, 4 qts. \$1.75, postpaid.—Not prepaid, lb. 40c, pk. \$1.60, bu. (20 lbs.) \$5.00.

# MILLET.

PRICES ON MILLET ARE SUBJECT TO MARKET CHANGES. ON LARGE QUANTITIES PLEASE WRITE US FOR LOWEST QUOTATIONS.

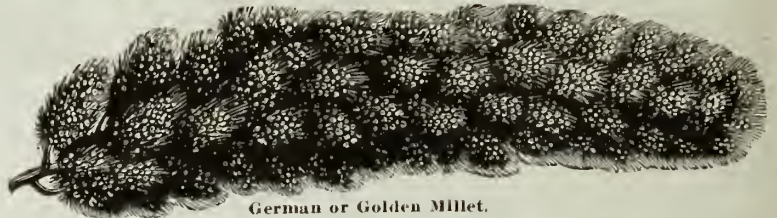
Millet Seed should be shipped in good strong grain bags to insure arrival at destination. Please add 22c extra for each bag. Nothing pays better for a stock raiser or dairy farmer than a few acres of Millet of some kind for it not only yields at least again as much hay per acre as Timothy or Clover, but is also of the greatest feeding value and milk producing quality. The hay is of very fine quality and is greatly relished by all kinds of stock. When spring is so unfavorable that other crops fail to grow, or when the season is so late and wet that corn will not mature any more, then there is always the greatest demand for Millet. It should, however, be sown regularly every year, and not merely as a catch crop.

## GERMAN OR GOLDEN MILLET.

This grows very rank and is one of the best varieties for hay on account of being so sweet, palatable and milk producing. On good, rich soil it will make a growth of 4 to 5 feet, and although the hay may seem coarse, yet it is so tender that if cut at the right stage, which is when in full bloom, even the hogs will eat the cured hay quite greedily. A yield of five tons of hay per acre is nothing unusual. Sow 3 pecks per acre. Price: 3 lbs. 50c, postpaid.—Not prepaid, pk. 60c, bu. \$2.00, 2½ bu. \$1.85. Sacks 22c extra.

## COMMON MILLET.

No Millet does better on dry and light soil than this; it grows 2½ to 4 feet high with a bulk of fine stalks and leaves, and is excellent for hay. Of this seed about 3 pecks should be sown per acre. Price: 3 lbs. 50c, postpaid.—Not prepaid, pk. 50c, bu. \$1.65, 2½ bu. \$1.00, grain sacks 22c extra.



German or Golden Millet.

## HUNGARIAN MILLET.

In the Northwest no other variety is so well known and so much grown for hay as the Hungarian Millet. It is so valuable because it requires such a short season to make a fine crop of the most nourishing and milk-producing hay. On this account it is the best catch crop when other crops, already put in, for some reason fail to grow. In many localities where early potatoes are grown for the market Hungarian is sown for a second crop as soon as the potatoes have been harvested, and thus a crop of potatoes and a crop of hay are harvested in one year from the same piece of ground. Hungarian does not grow as coarse as many other Millet varieties, but still yields quite heavily. For hay sow 3 pecks per acre. Price, 3 lbs. 50c. Write for prices on larger quantities.



Hog Millet.

## NEW SIBERIAN MILLET.

A good Millet, introduced several years ago from Russia, being an entirely distinct variety, as the seed is an almost orange color; the heads are, however, of about the same form as the Common Millet. It stools quite heavily and the joints being so close together the plants are just covered with blades. This millet is a heavy yielder, and the hay is of very fine quality. It yields from 50 to 70 bushels of seed per acre. Being an introduction from the extreme north, it is very hardy and will prosper under conditions where other varieties fail. Price: 3 lbs. 50c, postpaid. Not prepaid, pk. 45c, bu. \$1.50, 2½ bu. \$3.50, sacks 22c extra.

## HOG MILLET.

Also called "Russian Millet," "Broom Corn Millet," etc. The name HOG MILLET has been selected on account of its great value for feeding hogs. It is invaluable for sections where corn cannot be safely grown, and in such localities solves the problem as to the profitable raising of swine. In 50 to 60 days from the time of sowing it is ready to harvest. The seed ripens while the fodder is yet green, hence it can be cut and used both for hay and seed with the best success. It will produce from 30 to 60 bushels of seed per acre, besides the fodder hay. It is unlike the German, Common and Hungarian Millet in the habit of growth, having a branching head, and the seed is glossy and much larger. Price: 3 lbs. 50c, postpaid.—Not prepaid, pk. 50c, bu. \$1.60, 2½ bu. \$3.75, sacks 22c extra.

## EARLY FORTUNE MILLET.

A new and entirely distinct variety of Millet. The seed is 2 or 3 times the size of German Millet and is of a beautiful mahogany color. The great advantage this Early Fortune Millet has over other varieties is its extreme earliness, as its heads in 25 to 30 days. It yields very heavy, both seed and fodder. One most valuable feature of this Millet is that the hay can be fed to horses and other stock without any danger of bad results even when cut too late so that the seed has formed. Price: 3 lbs. 50c, postpaid.—Not prepaid, pk. 50c, bu. \$1.75, 2½ bu. \$1.20.

## JAPANESE BARNYARD MILLET. (Billion Dollar Grass.)

Japanese Barnyard Millet is offered also by some seed dealers as the "Billion Dollar Grass" under somewhat exaggerated descriptions. This variety of Millet was first grown in this country by Prof. Brooks, of the Massachusetts Agricultural College, who brought it from Japan. It has proven to be very valuable and is highly recommended for the following reasons: It will grow 6 to 8 feet in height and will yield 15 to 20 tons per acre. This millet may be siloed, fed green or cured into hay, and its feeding quality is always superior to fodder corn. It can be sown at any time from the middle of May to the end of July, either broadcast at the rate of 25 pounds per acre, or in drills using 16 pounds of seed per acre. Price: 3 lbs. 60c, postpaid.—Not prepaid, 15 lbs. \$1.35, 50 lbs. \$3.25, 100 lbs. \$6.00.

## KURSK MILLET.

Like so many of our hardiest and best varieties of cereals, so has also the Kursk Millet been introduced from Russia. Extensive experiments have been conducted at both the South Dakota trial stations which proved the great merits of this millet. It ranks very high in producing hay as well as seed. During extremely dry seasons it produces considerable more seed as well as hay than either Hungarian or German Millet, for which reason we recommend it in particular for dry and arid regions. Price: 3 lbs. 50c, postpaid.—Not prepaid, pk. 50c, bu. \$1.75, 2½ bu. \$4.20, grain sacks 22c each extra.



Japanese Barnyard Millet.

JAPANESE MILLET



Siberian Millet



# FORAGE AND FODDER PLANTS.

## DWARF ESSEX RAPE.

This is, beyond all question, the most popular and the most profitable of all forage plants, giving the best satisfaction everywhere.

Dwarf Essex Rape can be grown to good advantage on land that has already produced an early maturing crop of some sort, such as oats, rye, or winter wheat. Of how great value rape is as a pasture or fodder plant has been fully realized by a great many farmers in all sections of the country during seasons of severe drought; and everybody who is acquainted with its high feeding value would not be without it for another year.

Dwarf Essex Rape is a pasture plant for all kinds of live stock—sheep, cows and swine; for fattening sheep it is most valuable. To provide for an early pasture for sheep and swine it should be sown early in spring, and as it is a remarkably fast grower, it will be ready to be pastured in five weeks from the time of sowing. Unlike other plants it can be sown at any time during spring and summer, so that you can have a good pasture whenever you need it. Nothing will get sheep and hogs sooner and better ready for market than Dwarf Essex Rape as it is so very nourishing. It is an easy matter to bring spring pigs up to 200 pounds in weight when six months old if fed on Rape.

Late in the fall when most pastures are barren Dwarf Essex Rape yields a splendid feed, as frost will not hurt it any, and it is so well relished by all stock—sheep, hogs and cows alike—that as long as there is anything left of the plants they will eat it. Rape can be sown with grain, using 3 lbs. per acre, to provide pasture for sheep after harvest. It can also be sown in corn when this is cultivated the last time. Good results are generally obtained for late fall pasture when Dwarf Essex Rape is sown after the spring grain has been harvested. When Rape is sown broadcast, 5 to 6 lbs. should be sown per acre. We handle only the genuine Dwarf Essex Rape. Price subject to change, write for quotations on larger lots. 1 lb. 25c; 3 lbs. 65c, postpaid.—Not prepaid, 10 lbs. \$1.25; 25 lbs. \$2.50; 50 lbs. \$4.50; 100 lbs. \$8.25.



## THOUSAND HEADED KALE.

Will yield a much heavier crop than Dwarf Essex Rape and is now considered much superior to the Rape in some sections. It grows to a height of 3 to 4 feet, and is so covered with small whorls of leaves that the name of Thousand Headed Kale was given to it. Hogs and sheep eat it greedily. Will grow well and produce heavy on most any land and the plant is quite hardy. The seed can be sown early in April or any time thereafter till midsummer. Sow broadcast 2 to 3 lbs. per acre, or in drills, using 1 lb. per acre. Drilling is preferable, for if drilled in rows 26 to 30 inches apart, the Kale can be cultivated, thus producing a much quicker growth. 1 lb. 50c, postpaid.—Not prepaid: 1 lb. 40c; 5 lbs. \$1.75; 10 lbs. \$3.25.

## KENNEY'S EARLY AMBER SUGAR CANE.

This is the only variety of Cane that makes a fine syrup, as clear as crystal. Cane Syrup made from our Early Amber Cane grown right here in Rice County has become famous, as it took first premiums at the State Fairs in four different states. The syrup has a very delicious flavor, and all that have used it prefer it to the New Orleans Molasses. There is nothing like a home product on your table, for you know that it is a pure article. Write for prices.

## SUGAR CANE OR SORGHUM FOR FODDER.

Notwithstanding its great adaptability as a feed for live stock, the real value of sorghum (or sugar cane) has only recently attracted general attention. Its great merit is now beginning to be appreciated, and the demand is increasing about ten-fold every year. It is profitably grown everywhere from Manitoba to Mexico, on any good corn ground, and does not appear to be affected by drought. As a fodder plant it is the most economical plant in existence, and of the very best quality being sweet, tender, nutritious, and is greedily eaten by cattle, horses and hogs. As much as 50 tons of green fodder have been grown per acre, which is of the highest feeding value, and milch cows will give more and richer milk than if fed other feed. It can be cut several times during the season if not allowed to get too high and makes a good sweet hay. Sow 50 to 75 lbs. per acre for best results. 25 lbs. \$1.15; 50 lbs. \$1.75; 100 lbs. \$3.00, not prepaid.

## KAFFIR CORN.

An excellent fodder plant, yielding two crops of fodder during a season. It grows from four to five feet high, making a straight, upright growth. The stem or stalk bears numerous wide leaves. The stalks keep green and are brittle and juicy, not hardening like other varieties of sorghum, and making excellent fodder, either green or dried, which is highly relished by cattle, horses and mules. The seed crop is also heavy, sometimes yielding sixty bushels to the acre. For the grain, sow in rows three feet apart, three to five



KAFFIR CORN

pounds of seed to the acre. For fodder, sow 1 to 1½ bushels either broadcast or in drills. 3 lbs. 50c, postpaid.—Not prepaid: Pk. 50c, bu. (50 lbs.) \$1.60, 2 bu. or more at \$1.15 per bu.

## FETERITA.

This new grain and fodder plant belongs to the class of Non-Saccharine Sorghums and is similar to Kaffir Corn, requiring the same culture. The great advantage Feterita has over Kaffir Corn and all other plants of that class is its extreme earliness and great drought resisting qualities. Feterita is from 20 to 30 days earlier than Kaffir Corn, makes excellent Fodder and produces a large grain crop; in some instances it made an excellent yield of grain in the semi-arid regions without having received any rain from the time it was planted until it was harvested. Plant in rows, like Kaffir Corn, using 3 to 5 lbs. of seed per acre. Northern Grown Seed: 3 lbs. 60c, postpaid.—Not prepaid: 10 lbs. 60c; 50 lbs. \$2.25; 100 lbs. \$4.00.—Western Grown Seed: 10 lbs. 50c; 50 lbs. \$1.75; 100 lbs. \$3.00, not prepaid.

## JERUSALEM CORN.

Claimed by many to be better than Kaffir Corn, as it is a surer crop in unfavorable seasons. It produces a large crop of fodder which is of very good quality, and a good grain crop at the same time; seed white and nearly flat. Five to six pounds will plant an acre in drills, 40 to 50 lbs. broadcast. 3 lbs. 60c, postpaid.—Not prepaid: 10 lbs. 60c; bu. (50 lbs.) \$2.25; 100 lbs. \$4.00.

## YELLOW LUPINS.

Best Fodder Plant for poor soils. One of the best plants known for reclaiming poor soil, particularly sandy and old, worn-out land; by plowing under a crop of Lupins such land can be made very valuable. It is so highly valued in Germany that it is called the "Gold of the Desert," or "Desert Reclaimer." When dried for fodder it is very good for sheep. Sow in spring, 75 lbs. per acre. 3 lbs. 65c, postpaid.—Not prepaid, 10 lbs. \$1.25, 100 lbs. \$10.00.



Sugar Cane.

## CANADA FIELD PEAS, Yellow.

These are very valuable for fattening stock, but they can also be grown to the best advantage for soiling purposes. They are of the greatest value for fodder, either when the matured peas are fed as ground feed or when the vines are cured for hay. Fed in either way they are of the greatest nutritive value, and no stock or dairy farmer should be without them. They can be sown alone or with oats; if sown alone it takes about 2 bushels per acre, and if sown with oats 1 bushel of peas and 1½ bushels of oats are required. This latter method is the most profitable, as a double crop can be secured at the same time. Threshed together they can be easily separated, but make the best and most nutritious food if ground together for fattening stock. Price: 3 lbs. 60c, postpaid.—Not prepaid, peck 90c, bu. \$3.35, sacks 22c each, extra.

## COW PEAS, Michigan Favorite.

The earliest variety of Cow Peas, and therefore the best for the northern states. Cow Peas are considered one of the most profitable crops, as they yield immensely and are largely used as green summer feed and also for planting in corn and other crops and plowing under as a fertilizer. Particularly recommended for planting after grain harvest and plowing under in fall. If you will get the grain off the ground early and plow, and plant to "Favorite" Cow Peas you can put the ground in fine shape for next year's crop. Sow in orchards and either use for feed or soiling. Every farmer can use them profitably as the "Favorite" mature in 60 days and have done well as far north as Minnesota. They can be sown broadcast, or drilled 8 to 10 inches apart using 60 to 90 pounds to the acre; the thicker they are sown, the finer the hay will be. They should be sown thickly on rich land, and not so thickly on poor land. 3 lbs. 65c, postpaid.—Not prepaid, pk. \$1.00, bu. \$3.75.

## COW PEAS, Whip-Poor-Will.

Is highly valuable for fodder but more so for reclaiming poor and wornout soil. Plowed under green it is the greatest fertilizer and soil improver. Poor, sandy and wornout soils may be brought up to full fertility by plowing under several crops of these Cow Peas. If left to ripen, the pods can be harvested and the Peas ground for feed, which makes the best cattle fattener, and the vines may be plowed under for fertilizing. The Whip-Poor-Will produces more vines than other varieties, and hence is best adapted for soiling. 3 lbs. 60c, postpaid.—Not prepaid, pk. 90c, bu. \$3.30.

## FIELD BEANS.

**IMPROVED NAVY or BOSTON PEA BEAN.**—This is the small white bean that is so extensively grown in the northwest. We offer strictly first-class, hand-picked seed. Quart 20c, pk. \$1.35, bu. \$5.00 not prepaid.—Qt. 35c, postpaid.

**SNOWLAKE BEAN.**—Similar in size to above variety. It is claimed this is the finest bean for baking. Qt. 25c, pk. \$1.45, bu. \$5.25 not prepaid.—Qt. 40c, postpaid.

**CALIFORNIA TREE BEAN.**—This is the heaviest yielding Bean known and on account of its whiteness and small size commands the highest price in all markets. Quart 25c, peck \$1.45, bu. \$5.25, not prepaid.—Qt. 40c, postpaid.

## TEOSINTE.

A forage plant that originated in Egypt, and which for a number of years already has been grown successfully in the Southern States. It resembles corn somewhat in appearance, but the leaves are larger and broader and contain sweeter sap.

The yield is so abundant that one plant is considered sufficient to feed a pair of cattle for 24 hours. It suckers more than any other forage plant, generally producing 20 to 30 stalks—often as many as 70 to 85 stalks from one kernel of seed, and growing to a height of 11 feet. It can be cut when 2 to 3 feet high and used for fodder, after which it will quickly grow up again. It can be cut 2 to 5 times in one season. The amount of forage to be had in this way is immense; some estimate it 300 tons per acre. It can be cut with a reaper and fed in the green state, or it can be dried and makes a magnificent fodder for cattle during the winter months. Excellent results with this plant have been reported as far north as Iowa and southern Minn. and Wisconsin, ¼ lb. 25c, lb. 75c, 3 lbs. (sufficient for one acre) \$2.00, by mail postpd.

Teosinte can be grown successfully in this part of the country. It is a very fast grower and I cut it three times. I feed it green and also cut some for hay, which is very fine feed for cattle and horses; they like it better than clover hay. Teosinte will make more feed per acre than anything else. Every farmer should plant Teosinte.

Edward C. Rucks,  
South Haven, Minn.



Teosinte.



Sand Vetch.

## SPRING VETCHES or TARES. (Vicia Sativa.)

A very productive and highly nutritious fodder plant; is grown very extensively in England, also in Canada. It is either cut green for soiling or made into hay; is well liked and greatly relished by cattle. The seed is sown broadcast in spring at the rate of one bushel per acre. Spring Vetches are used for the same purpose as the Sand Vetch but will not thrive on poor soil or withstand extremes of weather so successfully. Sow with oats, using a bushel of each per acre. Price: 3 lbs. 60c, postpaid.—Not prepaid, 25 lbs. \$2.50; bu. (50 lbs.) \$4.50.

## SERADELLA or CULTIVATED BIRDSFOOT.

For light, poor or sandy soils Seradella is one of the best fodder plants. We know its great value and have urged our brother farmers for several years to give this valuable forage plant more attention. It is sown at the rate of 12 to 15 lbs. per acre, and can be sown either by itself, or in Winter Wheat or Rye in early spring, growing rapidly after the grain has been cut. It is very remarkable for its drought-resisting qualities and its close and thick growth, covering the ground completely and choking out all weeds; also very desirable as a catch crop. It is not a perennial, but can be cut twice and gives good pasture in one year. 3 lbs. 75c, postpaid.—Not prepaid: 15 lbs. (for one acre), \$2.25; 50 lbs. \$1.00, 100 lbs. \$13.50.



Canada  
Field  
Peas.

## SAND VETCH.

### WINTER VETCH OR HAIRY VETCH.

Among the various leguminous plants introduced during recent years with such manifest advantage to farmers there is not one of greater value than the Hairy Vetch. As a soil reclaimer and forage crop it has no equal, and it is only to be regretted that this Vetch is not more universally sown. It is an annual plant, similar in growth to the very slender and straggling pea vines, the vines often reaching 10 to 12 feet in length, and covering the ground with a dense mat of forage 2 feet in depth. Stock of all kinds eat it greedily, both in pasture and when cut for hay. When once this growth starts, it continues through wet and drought, and the quantity of forage made is wonderful. It has made as much as 45,000 pounds of green feed to the acre, and this feed is of the most nutritious character. It is much richer in protein (the muscle and growth producing element) than Red Clover, or any Cow Pea, whilst in fat-producing matter it is nearly the equal of those plants. As a soil improver it is richer in nitrogen, phosphoric acid and potash than any of the Clovers or the Cow Pea. If intended for forage or hay, it should be sown at the rate of 40 pounds to the acre, with a light seeding of winter oats, wheat or rye. This will hold up the vines, and make it easier to cut and harvest the crop. If intended for pastures or a soil improver, sow alone at the rate of 50 to 60 pounds to the acre. Sow early in spring or in August or September, on well prepared land. Sand Vetch is very hardy. 3 lbs. 85c, postpaid.—Not prepaid, 25 lbs. \$5.00, 100 lbs. \$18.00.



Silver Hull Buckwheat.

**PUMPKINS.**

We place these among our field seeds as they are excellent for feeding stock, and should be grown in every corn field. Hundreds of loads of pumpkins can be grown without any extra expense, as they need no further attention than is required for the corn.

**CONNECTICUT FIELD**—This is widely known as the Yankee Cow Pumpkin, and there is no variety that will do as well among the corn. Plant them on your richest land; you will be amply repaid. Lb. 40c, postpaid.—Not prepaid: lb. 30c, 5 lbs. \$1.35, 10 lbs. \$2.45.

**KENTUCKY FIELD** or Sweet Pumpkins—These are the thick meated sweet kind that are used for pies. They are extra good for stock also. A patch of them should be planted by themselves, and they will prove to be the most profitable crop. Lb. 40c, postpaid.—Not prepaid, lb. 30c, 5 lbs. \$1.35, 10 lbs. \$2.45.

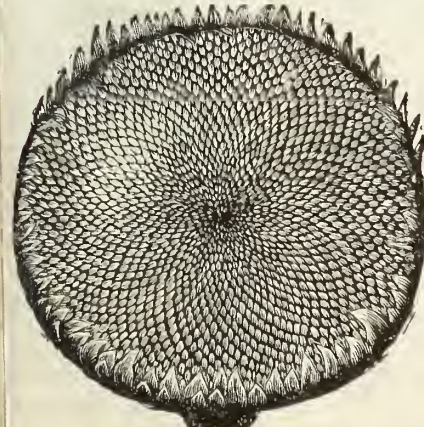
**MIXED PUMPKIN SEED**—We offer a mixture of Pumpkin Seed, consisting of a great many varieties—large Mammoth Pumpkins, the different field sorts and also the choicest pie pumpkins. Price same as above.

**BROOM CORN.**

Broom Corn is one of the most paying crops and is adapted to any soil that will grow corn. It will make a crop with very little rain. One acre will yield 1-1/4 tons of cured brush and up to 40 bushels of seed, which is nearly equal to oats in feeding value. Plant in drills 3 1/2 feet apart, and in rows about 3 inches apart; and cultivate the same as corn. About 5 to 8 lbs. of seed will sow an acre. If planted the first of June, the crop will be ready to cut September 15th.

**STANDARD EVERGREEN**—The best variety for general cultivation on account of color and quality of brush, which is of good length and always of a green appearance when ripe, never getting red, and has no center stalk, valuable to broom corn raisers and manufacturers. 3 lbs. 60c, postpaid.—10 lbs. 75c, 25 lbs. \$1.50, 50 lbs. \$2.75, not prepaid.

**NEW JAPANESE BROOM CORN**—The earliest Broom Corn known, maturing in about 75 days, and can therefore some times be planted as a catch crop after winter grain. Brush is fine and long, without center stalk. 3 lbs. 60c, postpaid.—10 lbs. 85c, 25 lbs. \$1.60, 50 lbs. \$2.85, not prepaid.



Mammoth Russian Sunflower.

**BUCKWHEAT.**

**NEW SILVER HULL BUCKWHEAT**—This is a very thin-shelled Buckwheat of silvery gray color; the kernels are of medium size and very sound. It is a prolific grower and the heaviest yielder yet introduced, and will make first-class Buckwheat flour. Remaining longer in bloom than common Buckwheat this variety is most excellent for bees. 3 lbs. 50c, postpaid.—Not prepaid: Pk. 50c, bu. \$1.50, 2 bu. or more, \$1.45 bu., sacks included.

**JAPANESE BUCKWHEAT**—A brown or dark variety, which is about a week earlier than the Silver Hull, and yields quite heavily. 3 lbs. 50c, postpaid.—Not prepaid: Peck, 50c, bu. \$1.60, 2 bu. or more at \$1.55 per bu., sacks included.

**FLAX.**

Prices of Flax Seed subject to the market. Write us for definite prices on larger quantities.

**PRIMOST OR MINNESOTA NO. 25 FLAX**—Our Minnesota Experiment station deserves credit for producing such a healthy and vigorous growing strain, for this variety yields at least one-third more per acre than common flax. Many of our patrons wrote us that the "Primost" produced 22-25 bu. per acre, while common flax yielded only 12 1/2-14 on the same field alongside. Write for prices.

**RUSSIAN FLAX**—In procuring Flax Seed attention should be paid that it be healthy and perfectly clean, as this is such an important item. We offer good, clean and healthy seed of this variety at a very reasonable price. Write for prices.

**WILT-RESISTANT FLAX**—A new variety recently developed at the No. Dakota Experiment Station. It is wilt-resistant and rust-resistant. It has successfully endured most unfavorable seasons in No. Dakota and is a great yielder. This wilt-resistant flax is capable of growing a normal crop of flax on old wilt-sick land, previously long cropped to flax. Such seed will keep this resistance against wilt just as long as the seed is properly handled. Write for prices.

**RYE.**

**SPRING RYE**—This is mostly sown with Vetches and Oats for a forage crop, but it can well be sown by itself, and is especially valuable as a catch crop when winter grain has been killed out. For turning under it is considered a great soil fertilizer. As a grain crop it is profitable to grow, it yielding well and the grain is of fine quality. We offer the genuine Mennonite Spring Rye, grown here in Minnesota. Price: 3 lbs. 50c, postpaid.—Not prepaid: peck, 50c, bu. \$1.65, 5 bu. \$8.00, 10 bu. \$15.50, sacks included.



Field Pumpkins

**MINN. NO. 2 WINTER RYE**

—For nearly all sections Winter Rye is one of the most important crops, and owing to its extreme hardness, freedom from blight and rust, and never being injured by the Hessian Fly, good paying crops can always be depended on. Rye can be grown on a greater variety of soil than wheat and good crops can be raised even on thin and poor soils without manuring. For dairy farmers it is of special value, as it will furnish a splendid crop of green fodder early in the spring or a good pasture long before the cows can be turned on the grass or pasture. That this is a great advantage every dairyman knows, for it will increase the flow of milk and improve the quality of his butter most wonderfully. Price: bu. \$1.50, 10 bu. and more at \$1.45 per bu.

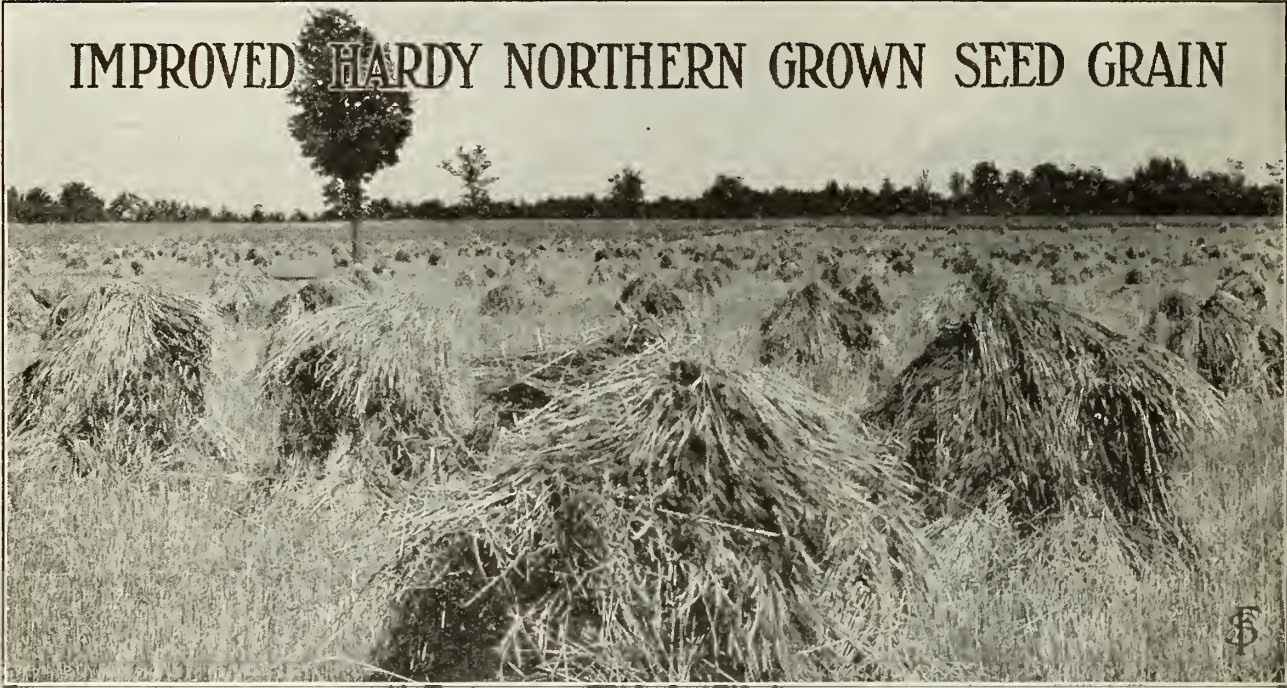


Primos Flax.

**Mammoth Russian SUNFLOWER.**

A more profitable or important crop can hardly be raised, especially by prairie farmers. The seed is highly valued by farmers and poultry breeders, who have tried it. The hens will fatten on it and lay more eggs than on any other food. Single heads measure from 12 to 22 inches in diameter and contain a lot of seed, which can be raised much cheaper than corn. The stalks make good firewood. Four quarts will plant one acre. Lb. 25c, 3 lbs. 65c, postpaid.—Not prepaid, lb. 12c, 10 lbs. \$1.00, 25 lbs. \$2.25.

# IMPROVED HARDY NORTHERN GROWN SEED GRAIN



A Field of our Minnesota 169 Blue Stem Wheat.

Farmers look at their pursuit in agriculture more from a businesslike standpoint than they did in former years, and good judgment, as a general rule, is exercised, not only in their selection of farm animals for breeding purposes, but also in selecting proper Seed Grain. Choice and pure Seed Grain is beyond all question of the greatest importance for every farmer, for "As ye sow, so shall ye also reap." If poor and run-out Seed Grain, which is weakened by constant culture in the same locality, and which is also affected by smut, rust, and other fungous diseases, is sown again and again, the result will be a constant decrease in yield, which will dwindle down to almost nothing in course of time. That farming under such circumstances must be unprofitable is clear to every thinking farmer. If, on the other hand, good and hardy Northern grown Seed Grain is procured every few years, a large and well-paying crop of grain can be had even under unfavorable circumstances.

We always have made it a point in our business to introduce new and improved varieties of seed grain, grown to the largest extent here on our own farms from the most carefully selected Seed Stock. The climatic and soil conditions for raising Grain are nowhere better than here in Minnesota, the Banner Wheat and Grain growing state in America, and it is an established fact that such Hardy Northern-Grown Seed Grain is full of vigor and vitality and unsurpassed in productiveness.

Being Farmers and Seed Growers ourselves, originating new varieties by breeding and crossing different kinds of grain possessing superior qualities, and also procuring Seed Stock from such reliable sources as the Experiment Stations from both at home and abroad, we are certainly in the best position to fill your order for Hardy Northern-Grown Seed Grain to better satisfaction than any other seed dealer.

## MINNESOTA 169 BLUE STEM WHEAT.

This is the origination of Professor Hays of our Minnesota Experiment Station, and like the Minnesota 163 Five Wheat, it is certainly a great credit to him. In originating this variety the Experiment Station not only obtained a pure and true Blue Stem variety, but also one of the heaviest yielders ever offered. On account of developing such strong and vigorous-growing plants, the chaff enclosing the grain is much thicker and firmer than on most other Wheat, for which reason it is not as easily affected by rust and blight as other kinds. It is also free from smut which sometimes does such great damage to common varieties. It has been proven that of all the spring wheat varieties the Minnesota 169 Blue Stem stands at the head, not only in yield, but also in quality. The grain is always nice and plump, flinty and almost transparent. Everybody who has seen a field of this Wheat with ears well developed, has to admit that it is the most perfect and the best of all the Wheat varieties. Price: 3 lbs. 50 cents, postpaid. Not prepaid; Peck 50c.; bu. \$1.85; 2½ bu. \$4.50; 10 bu. \$17.00; Sacks Included.

## PEDIGREE BLUE STEM WHEAT.

This is the most hardy spring wheat of the Blue Stem class, originated in North Dakota which is renowned for its production of hard and flinty milling wheat. It has been found that this is the most reliable, as well as one of the most profitable kinds of wheat to raise in all the spring wheat growing sections. On account of its vigorous, healthy growth and great stooling qualities this wheat stores up so much vitality that it very seldom suffers from blight, rust and dry weather, while all common and run-out varieties fail almost entirely. In every locality where this pedigreed Blue Stem Wheat was grown since recent years it has produced from 7 to 15 bushels more per acre than common wheat. Many of our patrons wrote us last fall that the Pedigreed Blue Stem Wheat ordered from us yielded again as much per acre as a field with their old wheat sown right alongside and that they felt sorry for not ordering their entire stock of Seed Wheat from us, as they would have been hundreds of dollars ahead. Price: 3 lbs. 50c, postpaid. Not prepaid; Peck 50c.; bu. \$1.85; 2½ bu. \$4.50; 10 bu., and more at \$1.70 per bu., sacks included.

Your seeds have given excellent satisfaction. Your Marquis wheat yielded 32 bushels per acre this year (1914)—best yield in this part of the state, as common wheat only yielded from 10 to 20 bu. per acre this year. Your great White Danish Oats yielded 75 bushels per acre—20 to 35 bushels more than common oats.

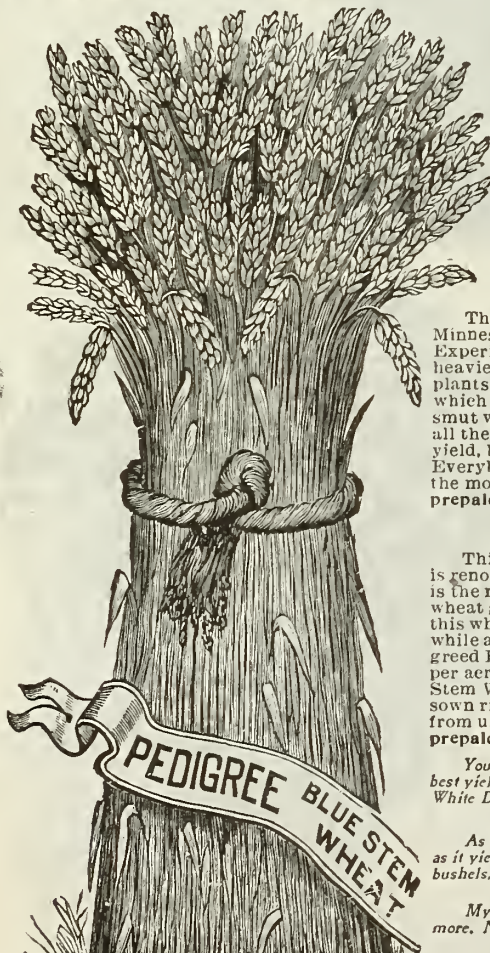
LEO. F. GLATZEL, Carver Co., Minn.

As to the Blue Stem Wheat ordered of you last spring, I am certainly pleased with results obtained from same, as it yielded 20 bushels—machine measure—to the acre; while some Early Java (home grown) seed yielded only 9 bushels, both in the same field.

W. F. CONNOLLY, Cresco, Ia.

My Seed Wheat ordered from you just arrived. It is good wheat and clean; am sorry that I did not order more. Next year will order more from you, as I am a firm believer in good Seeds.

FRANZ WENDLAND, Milbank, S. D.



## MARQUIS WHEAT.

The New, Hard Canadian Wheat of Wonderful Productiveness.

Have you heard about this great Marquis Wheat which has created such a sensation in the Northwest, winning the world's championship two years in succession? Everybody is interested in this wonderful new Wheat and wants to grow some of it this year. It outyields any other known variety, ripens earlier and withstands unfavorable weather better.

This Marquis Wheat is the best variety of hard Spring Wheat, and was originated by the late Dr. Saunders on the Dominion Experimental Farms, Ottawa, Ont., by breeding together the Red Fife with a very early Indian Wheat, the Red Calcutta; after a careful selection for a number of years to fix the type, it was sent to the different Canadian Experiment Farms, where it quickly made a name for itself on account of its earliness—it being about 10 days earlier than our Fife varieties; and its enormous yield—for it produces at least 10 to 15 bushels more than the Red Fife. Both are bald except for a few short awns at the top of the head. The Marquis does not grow quite as tall, which is considered an advantage, especially if the wheat is sown on rich ground where most wheats are inclined to lodge. In the threshed grain there is quite a difference, the Marquis being larger, shorter and bunter—wider and deeper in crease, and of a deeper amber color. We have a large stock of the very finest quality pure seed of Marquis Wheat. We quote the following low prices: 3 lbs. 60c, postpaid.—Not prepaid, peck 60c; bu. \$2.15; 5 bu. \$10.50; 10 bu. and more at \$2.00 per bushel.

I am more than satisfied with the results obtained with your Marquis Wheat. Had the finest field of wheat in this township and by far the best yield around here. Received 10 to 12 bu. more wheat per acre than any other variety yielded in this section. Fred W. Schroeter, Grafton, Wis.

## Macaroni Wheat, Arnautka.

On account of its extreme hardness and great productiveness this variety should be sown more in every section of the Northwest. Since it always yields more per acre than any other spring wheat, we advise that every grain farmer sow some of it every year, for most other varieties are more or less subject to rust, blight and smut, by which Macaroni Wheat is not affected at all. The grains are rather large, very hard and glossy, often translucent, yellowish-white in color, occasionally inclining to a reddish color. It grows rather tall, with broad, smooth leaves of a peculiar whitish color. The heads are compactly formed and are bearded. In our Northern and Northwestern States Macaroni Wheat should be sown in the Spring. The grain, being very large and not stooing very heavily, 1½ to 2 bushels of seed are required per acre. We offer only the best strain, the "Arnautka," which possesses not only the best milling quality, but is also the heaviest yielder. 3 lbs. 50c postpaid.—Not prepaid, pk. 50c, bu. \$1.85, sack 2½ bu. \$4.50, 10 bus. and more at \$1.70, sacks included.

## Velvet Chaff Spring Wheat.

This is an extremely hardy, bearded variety of wonderful productiveness, generally yielding at least 10 bu. more per acre than other kinds of Spring Wheat, with the exception of the Macaroni Wheat. Its long beards or spikelets as well as its heavy chaff protect it from fungous diseases, such as blight, rust, and smut. It is as hard and flinty as the best Fife Wheat, no matter how unfavorable the circumstances are, the Velvet Chaff always produces a good yield. On account of its great hardness and productiveness no grain farmer should fail to sow at least a third or half of his area intended for Wheat to the Velvet Chaff. 3 lbs. 50c postpaid.—Not prepaid, peck 50c, bu. \$1.85, 2½ bu. \$4.50, 10 bus. and more at \$1.70 per bu., sacks included.

Your Marquis Wheat did splendidly here, outyielding the Blue Stem and Velvet Chaff.  
C. C. FINSTON, Murdock, Minn.

## Minnesota No. 163 Fife Spring Wheat.

A variety of hard Fife Wheat originated by our Minnesota Experiment Station. Careful selection, crossing, and thoro preparation of the seed bed have been the main factors in its improvement. In comparison with old standard varieties of Wheat the Minn. No. 163 Fife is far ahead in every respect, in yield as well as in quality, the berry being larger and containing a much higher percentage of gluten. It is a wheat with greater vigor and vitality than the older sorts, for which reason it also has more resistance against rust, smut and blight. It grows a stiff, strong straw and stands up well under all circumstances. Thru careful growing and proper selection of our seed stock, we have kept up the Minn. No. 163 Fife in its original purity, vigor and productiveness. 3 lbs. 50c postpaid.—Not prepaid, peck 50c, bu. \$1.85, 2½ bus. \$4.50, 10 bus. and more at \$1.70 per bushel, sacks included.

## Speltz or Emmer.

A valuable grain closely related to wheat; the kernels, however, are tightly enclosed in the hulls or husks, and these adhere to the grain when it is threshed. Speltz is becoming more popular every year, as it always produces good crops even under adverse circumstances where other grain fails. It withstands more dry weather than any other grain, with the exception of Macaroni Wheat, and produces more food value per acre than any other cereal, while it is a most valuable feed for all kinds of stock. It can be fed to horses the same as oats, with the hulls on. Speltz can be grown on most any kind of soil, rich or poor, wet or dry, as it will not lodge like other grain on account of the stiff and strong straw, and will always bring the best returns. Sow 1½ to 2 bushels per acre. 3 lbs. 50c, postpaid.—Not prepaid, peck 40c, bu. (40 lbs.) \$1.20, 2½ bus. \$2.95; 10 bus. and more at \$1.15 per bu., sacks included.

Your seeds are very good and of high yielding quality. From 1 bushel Speltz I raised 52 bushels; 1 peck of your White Danish Oats yielded 17 bushels, and the grain weighs 42 lbs. to the bushel. The Italian Rye Grass does well here.

CHAS. A. NELSON, Rhame, N. D.

## Spring Rye.

Spring Rye is a paying crop in our Northwestern States as well as in many other sections. Will make an excellent crop to sow where winter grain has been killed out. For turning under it is considered a great soil fertilizer. Does not grow as large in straw as Winter Rye, but yields fully as well and the grain is of fine quality. We offer the genuine Mennonite Spring Rye, grown here in Minnesota. Price: 3 lbs. 50c, postpaid.—Not prepaid, peck 50c; bu. \$1.65; 5 bu. \$8.00; 10, bu. \$15.00; sacks included.

## Bearded Fife Winter Wheat.

That this is the hardest variety for the Northwest has been fully proven during the last 15 years, and is most highly recommended by our Minn. Experiment Station. Like all our best and hardest varieties of grain, it originated in Russia. Its average yield here in Minn. is 40 bu. per acre, but it has produced as much as 62 bu. under favorable circumstances. In a comparative test at the Iowa Experiment Station it outyielded all the other kinds, producing 55 bus. per acre.

Write for our Fall Price List of Winter Grains, etc.



Minnesota No. 163 Fife Wheat

Marquis Wheat



# SEED OATS. Improved Heavy Yielding Varieties.



## The Roosevelt Oats.

This is our own production which holds the highest yielding honors of the entire oat family; 180 bus. and 27 lbs. were grown from a single bushel of New Roosevelt Oats by Mr. John T. Wood, of Victor, Mont.—Mr. Wood won \$200 as first prize in our Roosevelt Oat growing contest.—From the seven prize winners the average production was 79 bushels and 29 pounds from each bushel of oats sown.

The growers represented four different states and the figures were given in sworn statements by reputable farmers. Compare these with the average yield of common oats which is about 30 bushels per acre, and requires 2½ bushels of seed—you will find that our New Roosevelt Oats yielded four times as much as the common oats. What more could you ask?—the tremendous successes achieved with our Roosevelt Oats have opened the eyes of hundreds of our farmer friends—and the demand for these oats has about doubled each season.

### DESCRIPTION AND PRICES OF OUR ROOSEVELT OATS

Here are the features you must consider in our Roosevelt Oats. It has been carefully bred from one of our hardiest and most productive American-grown oats, infused with the bloom of a foreign variety renowned chiefly for its stiffness of straw and resistance against lodging. As a result of this combination we have produced an oat of the most wonderful productiveness, with a straw strong and stiff enough to hold up its heavy load of grain in spite of unfavorable circumstances. It has required years to bring this oat up to its present state of perfection. On account of its strong root development it produces healthy, vigorous and stiff-strawed plants of medium height with an abundance of long, broad leaves and large, well-branched heads. Growing so vigorously on account of its powerful root system, it is not partial as to soil or climate and develops the hardiest and most powerful growth, so that it is able to withstand heat and drought, cold and wet, poor soil and neglected cultivation better than any other variety. The heavy berries are enclosed in a tough, firm chaff so that rust, and blight, which oftentimes play so much havoc with the oat crop, do not seem to affect it at all. The large handsome white grain is the heaviest and meatiest that was ever produced, weighing 46 to 50 lbs. per measured bushel. Unlike most other grain producing large crops, our Roosevelt Oats matures medium early. Price: 3 lbs. 50c, postpaid.—Not prepaid: Bu., \$1.35; 2½ bu. \$3.25. 10 bu. and more, at \$1.25 per bu., sacks included.

Wish to tell you how I succeeded with the New Roosevelt Oats purchased from you the past spring. I harvested a fine crop of excellent and extra heavy oats yielding at the rate of a little better than 100 bushels per acre.

ALBERT DUWEL, Waukesha Co., Wis.

"NEW BUMPER CROP OATS."—See Novelties, page 7.

## Improved American Banner Oats.

This favorite northern variety ripens early and is very productive and uniform in ripening. The straw is stiff, of good length, and the grain white, thick, and large, with thin hull. It stools freely and throws up a large number of stems, and therefore can be sown thinner than ordinary oats. It is as near rust-proof as any oat can be. Everyone who raises oats should try this variety. An oat that will yield 65 to 80 bushels to the acre under average conditions is certainly worthy of general cultivation. Price: 3 lbs. 50c, prepaid.—Not prepaid: Bu. \$1.20, 2½ bu. \$2.85, 10 bu. and more at \$1.10 per bu., sacks included.

## New White Danish Oats.

Splendid new variety, recommended by the Danish government as the best and heaviest yielding oats. We imported our original seed stock direct from Denmark and are now offering Minnesota grown and thoroughly acclimated seed. The White Danish Oats outclass all our older varieties in yield, having yielded an average of 65 bushels per acre on our farms here near Faribault, and this without special cultivation, the yield being the average from a large field. The grain is very large, pure white, plump and extra heavy, weighing 45 pounds to the measured bushel. The straw is medium in length, and strong, withstanding the inclemencies of the weather to the highest degree. The heads are much above the average, loaded down with the large, heavy kernels, which have a thin hull. The plant is of strong, vigorous growth, with large, extended root system, and remarkable for its great stooling capacity. Our seed stock is limited, order early. Price: 3 lbs. 60c, postpaid.—Not prepaid: Peck, 50c; bu. \$1.60; 2½ bu. \$3.85, 5 bu. \$7.50, sacks included.

## Victory Oats.

Victory is a cluster Oats, with rather short but densely branched heads, spikelets small and short, generally containing two grains which are short and broad, of clear white color and headless. The kernels are always very heavy and plump. The straw is of medium height, stronger and stiffer than that of any other oats. Victory ripens early, at about the same time as the well-known Swedish Select Oats. Price: 3 lbs. 50c, postpaid.—Not prepaid: Bu. \$1.20, 2½ bu., \$2.85; 10 bu. or more at \$1.10 per bu., sacks included.

## Early Champion Oats.

Early Champion produced the largest yield per acre in the test at Iowa Agricultural College, and are highly recommended by them. Has comparatively short straw, matures a week to 10 days earlier than other kinds, thus largely escaping the liability to rust. Its greatest value lies in its special adaptability as a nurse crop to sow with grass seed, as it does not stool as freely as some other sorts. Will not lodge on rich land. Henry Wallace, editor Wallace's Farmer, says: "I would rather risk sowing grass seed with them than any other variety I know of." Not prepaid: Bu., \$1.30; 2½ bu. \$3.00; 10 bu. and more at \$1.10 per bu.

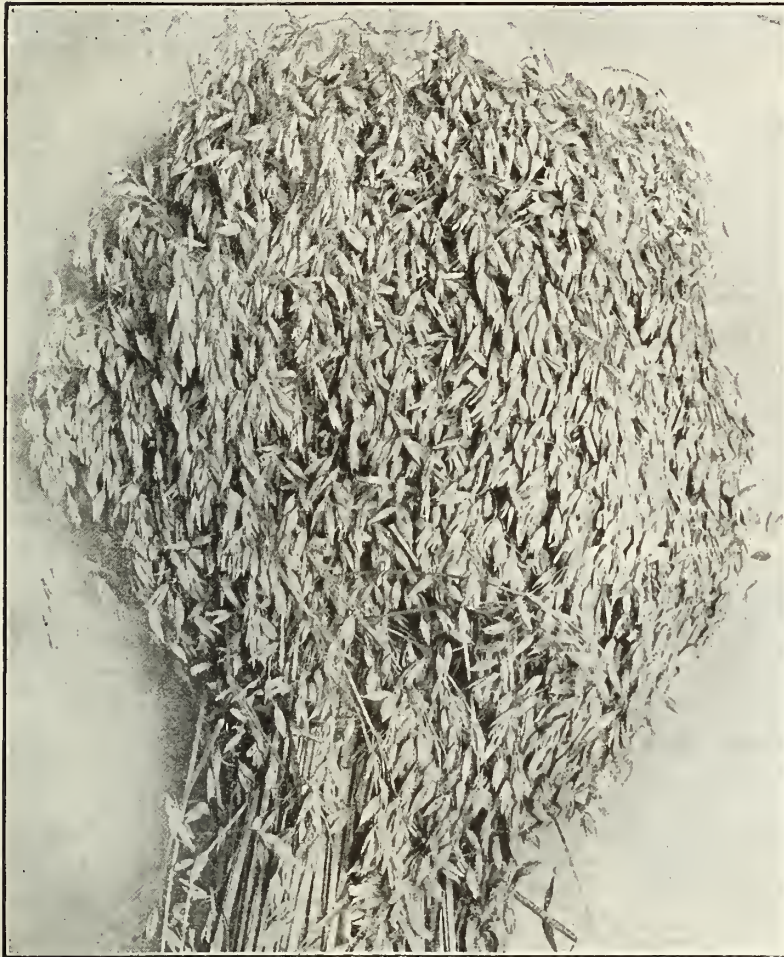
## "Regenerated" Swedish Select Oats.

This is a "cross bred" of the old type Swedish Select Oats, and yields 25 per cent more than its parent. It was first exhibited at the Minnesota, Iowa, and Illinois State Fairs, and at the National Corn Show a few years ago, and is now introduced for general sale. The "Regenerated" Swedish Select Oats possesses all the good qualities of the original Swedish or Wis. No. 4 Oats in a still higher degree growing more vigorously, and its most important feature



New White Danish.

being that it yields at least one-quarter more than this. The grain is short and plump and very heavy. The "Regenerated" Swedish Oats which we offer have been raised from stock procured of the originators. Our stock is extra choice, bright, clean, healthy and heavy, weighing 44 lbs. to the measured bushel; it yielded 80 bushels per acre. Price: 3 lbs. 50c, postpaid.—Not prepaid: Bu. \$1.25; 2½ bu. \$3.00; 10 bu. and more at \$1.15 per bu., sacks included.

**KIRSCHÉ'S ORIGINAL—THE GREAT GERMAN OATS.**

Kirsche's Original Oats

**Wisconsin No. 4 or Swedish Select Oats.**

A splendid oat which was introduced to this country by the U. S. Dept. of Agriculture. The Wisconsin Experiment Station secured these oats from Washington, D. C., with several varieties for trial. They have been grown on the University plats for years and during all that time have been carefully tested and compared with 36 other varieties. Prof. Moore said:

"We have found them the most satisfactory of all varieties tested. On the experimental plats the oats yielded exceptionally well, having a stiff straw, light hull and weighing 36 to 40 pounds per measured bushel. This variety seems especially adapted to high well-drained land, and the best results are secured from clay-loam soils. The great root development is one of the characteristics of the Swedish Oats, which enables the plant to resist drought better than any other sort tested."

We have grown these oats ever since they were originated and altho we have had very unfavorable years for the production of oats we can say that the Wisconsin No. 4 always produces at least 15-20 bushels more than the older and more common varieties, such as the Lincoln, Bonanza, American Banner, etc. Its heads are large and branching, and are loaded with the prettiest, big, plump and thin hulled grain. Price: 3 lbs. 50c, postpaid.—Not prepaid: Bu. \$1.20, 2½ bu. \$2.75, 10 bu. and more, at \$1.00 per bu., sacks included.

**Early Yellow Russian Oats.**

Also called Russian Green Oats.—Well known and grown extensively in many sections of Iowa and Minnesota. It is an early sort, ripening a few days later than the Early Champion. A very heavy yielder, kernels long and slim, thin hull, with large, meaty berry; of yellowish color. Straw not coarse, but strong and stiff nevertheless, standing up well in unfavorable weather. A hardy northwestern variety that will give splendid returns. Price: 3 lbs. 50c prepaid.—Not prepaid: Bu. \$1.20, 2½ bu. \$2.75, 10 bu. or more at \$1.00 per bu., sacks included.

**Silver Mine Oats.**

This is a very hardy and prolific variety with long but stiff straw, and grain of the clearest white color. It will grow and thrive under the most unfavorable conditions of soil and climate, and is always a sure cropper. The heads are very large and long, and are borne low down on the stalk, which prevents lodging. The grain is long, plump and heavy and full of meat. Always yields heavy and is unusually exempt from disease. Price: 3 lbs. 50c, postpaid.—Not prepaid: Bu. \$1.25, 2½ bu. \$2.75, 10 bu. and more at \$1.00 per bushel, sacks included.

**Improved White Russian Oats.**

Known almost everywhere and it will always be a standard favorite. It has become thoroughly acclimated and matures only a week later than our earliest varieties. These oats are extremely hardy, endure cold wonderfully and are entirely smut and rust-proof. The berries are longer and larger than other varieties for which reason it is well adapted for succotash as it can be more easily separated from wheat. The White Russian matures with the Blue Stem Wheat and the two make the best combination for succotash. Price: 3 lbs. 50c, postpaid.—Not prepaid: Bu. \$1.30, 2½ bu. \$3.10, 10 bu. and more at \$1.15 per bu.

The stiffest in Straw, the most productive of all European varieties.

This is an elegant new Oat of which we obtained the Seed Stock directly from the originator, Mr. A. Kirsche, the famous German Oat Specialist, several years ago so that we have been able to harvest a number of good crops from it. We are satisfied from our several years of experience, that Kirsche's Original ranks with the very best European and American varieties, and believe that it is one of the most profitable varieties in cultivation.

According to official statistics of the different Grain Breeders' Associations in Germany, Kirsche's Original Oats ranks the highest in every respect of all the different varieties of German, Swedish and English oats tested. Its most important features are as follows:

Its vigorous and quick growth during its first stages of development.—It is shorter in straw than most other heavy yielding varieties.—Stiffness of straw and great resistance against lodging, on rich and well manured soil and under unfavorable circumstances.—Strong and healthy development of straw and of its well-branched heads.

Its strong and vigorous root system enables it to withstand drought as well as extreme moisture without much suffering.—It is always reliable and produces the largest crops.—The grain is always plump and heavy and seldom weighs less than 45 pounds to a measured bushel.

In breeding these oats it was the originator's aim to produce a short and stont strawed variety yielding as much grain as possible. This Mr. Kirsche has actually accomplished, for Kirsche's original is at least 4 to 6 inches shorter in straw than all the other large berried, extra heavy varieties, and it also ripens 3 to 4 days earlier than these.

In our experience no sign of rust, smut or blight were noticeable on the straw. The large plump grain is of a yellowish white color, is thin hulled and very meaty.

Price of Kirsche's Original Oats: 3 lbs. 60c, postpaid.—Not prepaid: Peck 45c, bu. \$1.35, 2½ bu. \$3.25, 10 bu. or more, \$1.25 per bu.

Your seeds are always dependable. Kirsche's Original oats gave a yield of 127 bushels from 1 bushel sown. My neighbors say this variety is the finest and best oats they have ever seen.

H. D. Dierks, Lane, Idaho.



White Swedish Oats

## BARLEY.

Barley is a very profitable crop to grow in our northwestern states. Considering the high prices farmers received for this crop the past few years, barley yields a bigger net profit to the grower than wheat or oats. Our Minnesota grown Seed Barley will give highly satisfactory results, we have a splendid stock to offer this year. Sow about 2 bushels per acre, using a grain drill. Barley makes an excellent crop to follow corn that has been grown on clover sod.

### University No. 105.

For several years the Minnesota Experiment Station has been breeding and testing many varieties of barley with the object in view of producing an improved sort that would lead all other kinds in productiveness. This undertaking has been crowned with success in the new six-rowed variety offered under the name of **University No. 105**. In comparative tests, covering a period of several years and made side by side with the best known and most popular varieties, it has proven to be the heaviest yielder, producing on the average 59 bushels per acre during the past three years. It supersedes the Mandscheuri Barley not only in productiveness, but also in quality, retaining its nice bright color even better than the latter. This barley is early, uniform in maturing and produces long ears, well filled with heavy, plump grain. As a malting barley it is simply unexcelled. Price: 3 lbs. 60c, postpaid.—Not prepaid: Bushel \$1.35, 2½ bu. \$3.25, 10 bu. and more at \$1.25 per bu., sacks included.

### Oderbrucker or Wisconsin No. 55.

This great barley originated in Germany and was introduced by the Wisconsin Experiment Station, and in that state is considered the best and largest yielding variety. Oderbrucker is a stiff-strawed, heavy yielding, six-rowed, bearded variety. It is about the same as Mandscheuri in season, manner of growth and general appearance, but has a plumper kernel and is heavier. Prof. Moore says: "In stiffness of straw and rust resistance it is superior to any variety on test." It has a protein content of 15 per cent, or nearly double the amount of protein found in other varieties. This makes it an exceptionally valuable feeding barley, a very important point when it is considered that leading farmers and stockmen are appreciating more and more the value of barley as a feed for all kinds of stock, horses as well as cattle. It is also one of the most superior malting barleys. Price: 3 lbs. 50c, postpaid.—Not prepaid: Bu. \$1.25, 2½ bu. \$3.00, 10 bu. and more at \$1.15 per bu., sacks included.

### Mandscheuri.

A well known variety, which is, beyond doubt, one of the most valuable barleys ever introduced into this country, greatly out-yielding the once justly renowned Mansbury Barley. It is an early 6-rowed variety, maturing in 80 to 90 days from time of sowing, and is adapted to all kinds of soil and climate; is very strong strawed, stools well, and bears large and well-filled heads of plump grain, which possesses malting qualities of the highest order. Another important factor is its nice and bright color, which will not turn dull and yellow when exposed to rainy weather, as most of the other varieties do, and on this account it will always be in good demand by the brewers and will command the highest market price. Price: 3 lbs. 50c, postpaid.—Not prepaid: Bu. \$1.15, 2½ bu. \$2.75, 10 bu. or more at \$1.00 per bu., sacks included.

### Success Beardless.

This is a new 6-rowed barley, and as the name indicates, is almost entirely without beards, which is the most valuable improvement ever made on barley. It is a vigorous grower, producing strong, short straw and heavy, well-filled heads. Its earliness is one of the most important features, as it can be cut and put out of the way before the wheat and oat crop is harvested. On good land it has produced 80 to 90 bushels per acre in favorable seasons. In regard to soil, it is not particular, as a good crop of Beardless Barley can be raised on land too poor to produce a crop of wheat or oats. It is a first-class malting barley and equally good for feeding stock, therefore always bringing the highest market price. It should not be mistaken for the Hulless Barley, which is described below and which is grown for feeding purposes only. Ever since this grand new barley was introduced, there has been such a demand for it that we were always short in

supplying our trade, and we anticipate another great rush for it this year. Price: 3 lbs. 60c, postpaid.—Not prepaid: Peck 50c, bu. \$1.75, 2½ bu. \$4.25, 10 bu. and more at \$1.65 per bushel, sacks included.

### White Hulless.

Also known as "Ideal" and "Giant White Hulless". It grows very large, has heavy, well filled heads without beards and in the field resembles the "Beardless Barley" described above; the kernels, however, shell out without the hulls, like wheat, and are the prettiest, plump and oval-shaped white grain in cultivation. It is not a malting barley, but can be used for feeding only, having no equal as a fattening feed for hogs, and making sweeter meat and nicer lard than corn. It is a vigorous grower, and can be sown after all other grain is sown, and will then mature before wheat or oats. It can also be grown for hay, and if sown early enough can be cut twice, making two good crops of hay in one year. Price: 3 lbs. 60c, postpaid.—Not prepaid: Peck 50c, bu. \$1.85. Write for prices on larger quantities.

### Black Hulless.

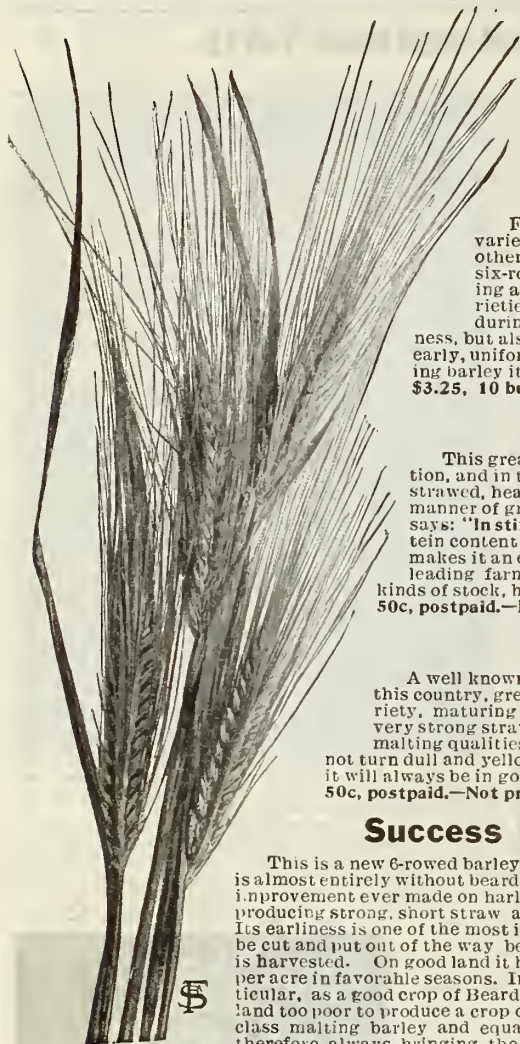
How to produce the largest amount of grain, best adapted for feeding milch cows and for fattening stock, is the most important question with every farmer and dairyman. The Black Barley is best adapted for this purpose, for it is an extra heavy yielder, producing from 70 to 80 bushels to the acre, and is of the greatest feeding value at the same time. No other grain fed as ground feed is as nourishing and milk-producing as Black Barley, and for fattening hogs it is also invaluable. It should be grown on ordinary ground, but will also make large crops on thin and poor soil, where other varieties of grain fail entirely. It is not affected by prolonged droughts, and is therefore the best grain for drought-stricken sections. The grain is hulless, very plump and heavy. Price: 3 lbs. 60c, postpaid.—Not prepaid: Peck 60c, bu. \$2.00. Write for prices on larger quantities.

## THE FARMER'S READY REFERENCE BOOK. — FREE.

You cannot afford to be without the Farmer's Ready Reference Book. Contains 192 pages and every page of vital interest to the Farmer, Gardener, Ranchman, Dairyman, etc. Chapters on all departments of farm life, and each chapter written by an expert in his particular line. Government and state experts wrote this book. This book is easily worth \$1.00 to any one and it will save you many dollars in the course of a season.

Send us your order for \$5.00 worth of Seeds and a copy of this book will be sent you free of charge. All other Premiums excluded. The supply is limited. Only one to a customer. Order to-day.

Plant "Bumper Crop" Oats For Biggest Yield—See Page 7.

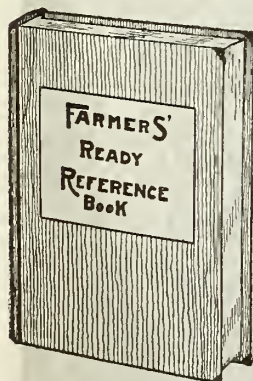


University No. 105  
Barley.



Beardless Barley.

The Oderbrucker  
or Wisconsin No. 55  
Barley received  
from you last spring  
was fine. Received  
a premium at the  
Hagerstown Fair.  
SAMUEL RESH,  
Hagerstown, Md.





# MINNESOTA GROWN SEED CORN.

Scientific breeding of seed corn requires years of the most exact and painstaking work to accomplish results, and on this point we have spared neither time nor money; thereby giving our patrons absolutely reliable seed corn such as has been bred to suit the conditions of our northwestern climate, and is of the best possible type, and produces the largest yields of corn. We are the largest growers of seed corn in the Northwest; send your orders direct to us—to headquarters and you can depend upon receiving strictly Northern Grown Corn of highest purity and germination.

It is a well known fact, that seed corn of the 1915 crop is absolutely undependable, even the corn taken care of before the first severe frost, is entirely too low in vitality. These conditions are quite general all over the Northwest, and we have never known similar circumstances to exist. Fortunately we carried over a limited stock of seed of the 1914 crop and have also secured additional quantities from some of our growers.

Our twenty-seven years' experience as corn growers and seedsmen puts us in position to know what our farmers in the northwestern states need and want in the line of seed corn and we are in excellent position to supply strictly Minnesota grown seed corn of the highest quality obtainable, carefully selected, milled and of high test. This corn is not to be compared with ordinary crib-corn, of which a great deal is being offered by irresponsible parties, at low prices. Because of the great scarcity of good seed corn a large number of "mush-room" seedsmen have appeared and are offering seed corn this year. Don't be misled into buying from unknown sources or at attractively low prices—you will surely regret it later.

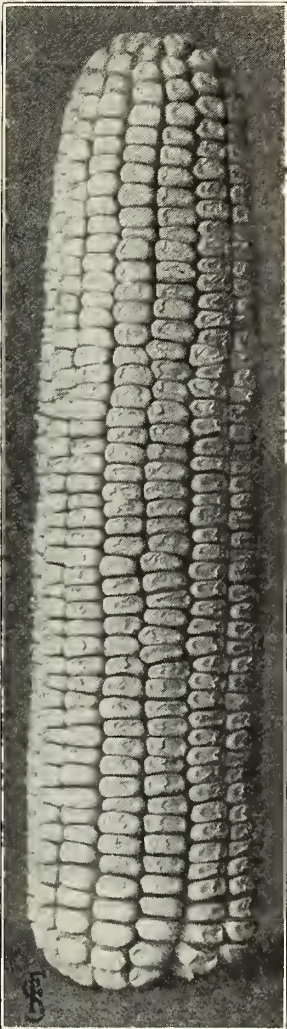
We would advise our customers in Minnesota, Wisconsin, North Dakota and Iowa to secure Minnesota grown seed corn in preference to corn grown in South Dakota. Nearly all of the South Dakota corn offered was grown in the extreme southern part of that state, such corn is no better than Nebraska or Southern grown stock. If possible, come and see us, inspect our warehouses, see how we sort and test the corn in our large, specially constructed seed testers and convince yourself of the fact that we do all in our power to safeguard the interests of our customers.

From the time on that the 1915 crop of seed corn looked uncertain, we have had a heavy demand for corn, so that several varieties (of which we carried over but limited quantities) are now sold out. For this reason we cannot offer Silver Jewel, Pride of the North, Wisconsin No. 8, Wimple Yellow Dent and Canada Smut Nose.

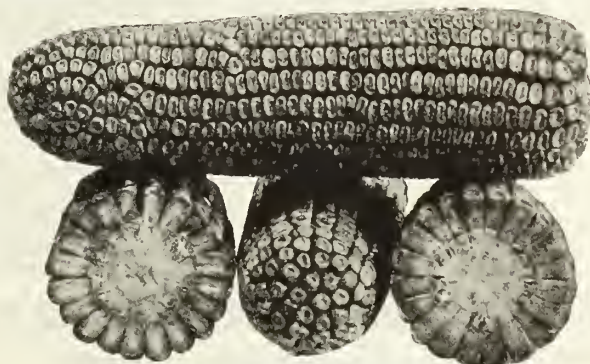
It will be to the advantage of every one of our customers to reserve his requirements at once—before it is too late to secure good seed. We believe there is not enough dependable corn to be had to take care of late orders, placed just at planting time. Do not depend on new corn and be disappointed at planting time.

**WE GUARANTEE OUR SEED CORN TO BE STRICTLY MINNESOTA GROWN AND OF HIGHEST GERMINATION. IF NOT FOUND AS REPRESENTED, SHIPMENT MAY BE RETURNED AT OUR EXPENSE, AND AMOUNT PAID WILL BE REFUNDED.**

Buy your seed direct from headquarters—We supply strictly Northern Grown corn of best quality and highest vitality.

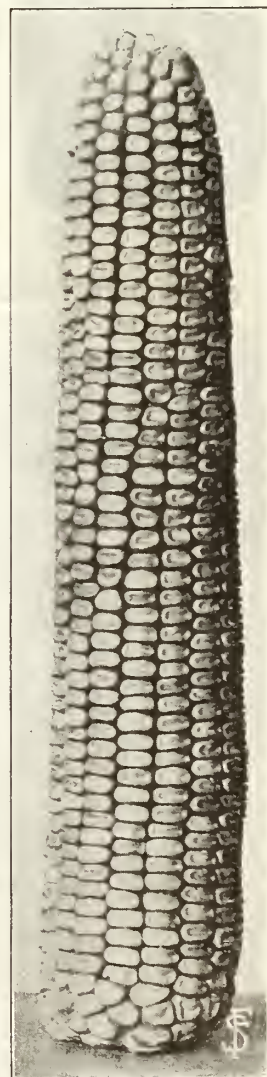


Golden Jewel.



Early Murdock Golden Dent.

**F. S. & N. Co's Golden Jewel CORN.**  
The corn that made us famous. (Reg. U. S. Patent Office.)



Minnesota ideal.

Golden Jewel is our own production which, thru years of careful breeding, we have developed to the highest possible state of distinction of type, earliness of maturity and wonderful productiveness. The true stock can only be obtained from us direct.

Golden Jewel is adapted to our northern climate and soils, and will give you a big surprise from a financial standpoint. The ears are of uniform type; taper to a point at once and are well filled over the tip, from 8 to 10 inches in length and 16 to 24 rowed. The color of the kernels is a rich golden yellow. The cob is very small for so large a corn. The stalks are of medium height, very leafy and produce a large amount of fine fodder. The ears set about 3½ feet from the ground. Golden Jewel matures in 95 days and has a record of 124 bushels per acre.

Golden Jewel Corn is the acknowledged standard of productiveness and highest type of corn suited for our northern sections. We have claimed much for this corn and the many reports which we receive from our customers every year have not only sustained us in every single claim we have made but also have praised the Golden Jewel far above our fondest expectations. If you want the best to be had in Corn—harvest the biggest crop of the very finest ears—plant our Golden Jewel. We have only a limited stock of 1914 crop of this variety. Price: 3 lbs. 85c, prepaid.—Not prepaid: Peck \$1.75, bushel \$6.50, 5 bus. \$31.25, sacks included.

## EARLY MURDOCK GOLDEN DENT CORN.

Also called Golden Glow or Wisconsin No. 12. The Murdock Golden Dent Corn was awarded Sweepstakes Prize for the Northern Zone, comprising the states of Minnesota, Wisconsin, North and South Dakota and Michigan, at the last two National Corn Expositions.

It is an enormous yielding Golden Dent variety, outyielding most other sorts, having produced over 100 bushels to the acre with ordinary cultivation. Altho this variety is such a heavy yielder, it matures early enough that it is well adapted for our northern states. The Murdock has proven to be very adaptable to different soils and conditions, becoming acclimated to different sections the first season. The ears, which are large, with 18 to 24 rows of deep kernels, run very uniform. The Murdock is earlier by several weeks than Iowa Silver Mine, Legal Tender and Leaming, maturing but several days later than the Minnesota No. 13. We have two fine lots of seed stock of this variety, which we offer as follows:

Stock No. 45.—Price: 3 lbs. 75c, prepaid.—Not prepaid: Peck \$1.40, bu. \$5.00, 5 bus. \$24.25, 10 bus. \$47.50, sacks included.

Stock No. 60.—Somewhat lower in vitality than the above stock, germination about 90%. Price, not prepaid: Peck \$1.25, bu. \$4.25, 10 bus. \$40.00, sacks included.

## MINNESOTA IDEAL CORN.

This is the best all-around early yellow Dent Corn, on account of its enormous yield of both corn and fodder—75 to 85 bushels per acre is an ordinary yield, while it produces at least 25 to 30% more fodder than any other Dent Corn. Altho the stalk grows from 7 to 9 feet in height, the corn matures before such varieties as the Murdock, Sterling and Leaming; and as soon as ripe, the ears are hard and solid; ears are large, from 8 to 10 inches in length and 16-rowed. The type of this corn expresses earliness; the kernels are of medium depth. It matures within 90 to 95 days. We recommend Minnesota Ideal for the southern half of our state and other sections in the same latitude. Price: 3 lbs. 75c, prepaid.—Not prepaid: Peck \$1.35, bu. \$4.50, 10 bus. \$42.50, sacks included.

## MINNESOTA NUMBER THIRTEEN.

An elegant early variety of Yellow Dent Corn, introduced by Professor W. M. Hayes, well known agriculturist of the Minnesota Experiment Station. Our original seed stock was procured from the originator directly, and we have raised this corn now for several years in succession, never failing to secure a large crop of good and solid ears. It is a full Yellow Dent Corn, with kernels packed closely upon the cob, and the ears are well filled from tip to butt. The stalks grow to a height of 7 feet and being very leafy, make excellent fodder. This corn ripens in 85 to 90 days, and even in less time if the season is favorable. The Minnesota No. 13 Corn is one of the leading varieties in the northern part of Minnesota and other sections in the same zone. Its earliness, productiveness and its ready adaptability to a great variety of soils and adverse climatic conditions recommend it to all northern planters. We can offer two lots of seed of the Minnesota No. 13, as follows:

Stock No. 57.—3 lbs. 75c, prepaid.—Not prepaid: Peck \$1.40, bu. \$4.75, 10 bus. \$45.00, sacks included.

Stock No. 44.—Somewhat lower in vitality than the above stock, germination about 90%. Not prepaid: Peck \$1.25, bu. \$4.00, 10 bus. \$37.50, sacks included.

## SILVER KING OR WISCONSIN NO. 7.

One of the best varieties of white dent corn for the southern half of Minnesota, Southern Wisconsin, Michigan and South Dakota, also for Iowa and Illinois. Prof. R. A. Moore, agriculturist of the Wisconsin College of Agronomy, estimates that one-fifth of all the corn grown in Wisconsin last year was of the Silver King variety. This kind yielded on the Wisconsin Experiment Farm an average of 83 bushels per acre on a field of 22 acres. As its name indicates it is a pure white dent corn, producing large and solid ears which are from 16 to 20 rows, well formed and completely filled out clear to the tips with kernels of good length. It is a strong grower and resists cold weather to a remarkable degree. Most stalks produce two good ears, which accounts for its large yield records. 3 lbs. 85c, prepaid.—Not prepaid: Peck \$1.50, bu. \$5.00, 10 bus. \$47.50, sacks included.

## MINNESOTA WHITE DENT.

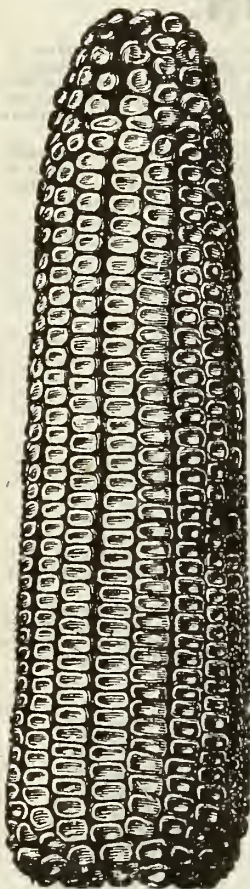
An extra early white dent corn, maturing just as early as the Pride of the North, but yielding almost again as much as this on the open prairie and on poor and thin soils. It produces very good sized ears, with long and deep kernels growing very compactly around the cob. This is the best pure white dent corn adapted for a northern climate, like that of Minnesota, Wisconsin and the Dakotas. We have grown it here in Minnesota now for many years, and has always produced sure and good crops, yielding considerably more and being earlier than all other kinds. It is a vigorous grower, and the stalks average about 7 feet in height. Price: 3 lbs. 75c, prepaid.—Not prepaid: Peck \$1.50, bushel \$4.75, 10 bus. \$45.00, sacks included.

## RUSTLER WHITE DENT.

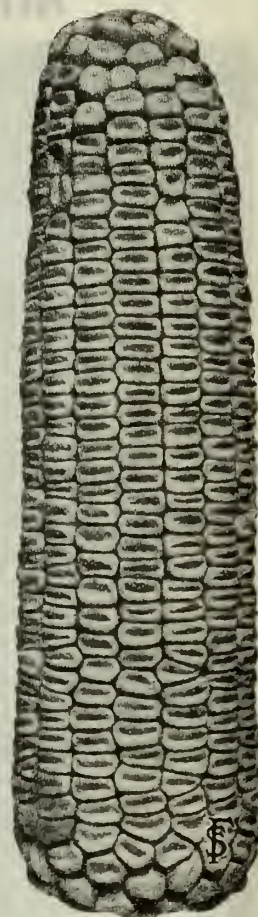
This early white dent corn originated in Dakota and is well acclimated to the Northwest. For early ripening, great yield and compact growth of ears it is one of the best; admirably adapted to a northern climate. A average height of stalk, 8 feet; average distance base of ears from ground, 3 feet 6 inches. The ears are large, closely filled with large, deep kernels. Those wishing a first-class white dent corn will find in the Rustler a corn that is hard to beat. We offer two lots of seed:

Stock No. 52.—Price: 3 lbs. 75c, prepaid.—Not prepaid: Peck \$1.50, bu. \$4.75, 10 bus. \$45.00, sacks included.

Stock No. 64.—Somewhat lower in vitality than the above stock, germination about 90%. Not prepaid: Peck \$1.25, bu. \$4.00, 10 bus. \$37.50, sacks included.



Minnesota No. 13.



Triple Income or Minn. No. 23.

## MINNESOTA YELLOW DENT.

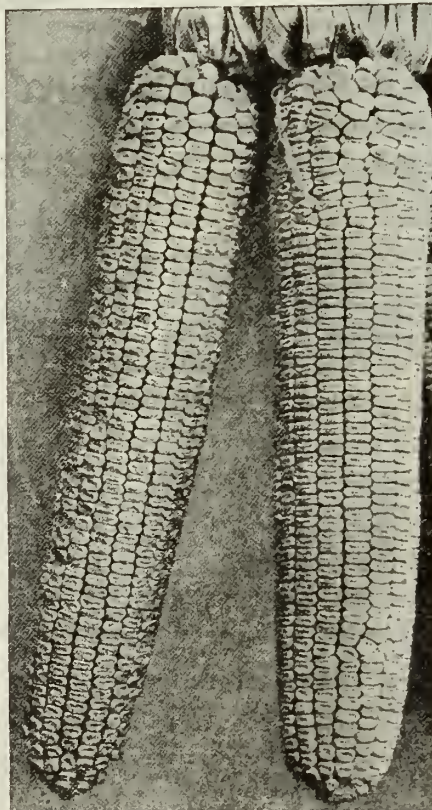
One of the best early dent corn varieties for the Northwest, yielding 75 to 80 bushels of good sound corn per acre; even in unfavorable seasons a good average yield can be depended upon. The stalks grow 8 to 9 feet high and are very leafy, producing a very large quantity of fodder. The ears are large, 8 to 10 inches in length, with 16 rows of kernels. One of the best all-around varieties to plant for best results year after year. This corn ripens in 90 to 95 days. A splendid corn for silo purposes, try it and you will be well pleased. 3 lbs. 75c, prepaid.—Not prepaid: Peck \$1.35, bu. \$4.50, 10 bus. \$42.50, sacks included.

## MINNESOTA KING.

In appearance the Minnesota King is very distinct, it being a half dent and half flint, a hybrid of the Longfellow Flint and the Pride of the North. That this is a good cross and a good type of corn for the more northern sections is self evident. The kernels are very large, broad and of a bright yellow color. The ears are 8-rowed and of medium size. The stalks average 7 feet in height and are well rooted, so that this corn withstands extreme drought and strong winds better than most varieties. The Minnesota King corn is a great yielder and will make a crop during unfavorable weather and under conditions that would mean a failure for other varieties. Price: 3 lbs. 75c, prepaid.—Not prepaid: Peck \$1.50, bu. \$5.00, 5 bus. \$24.00, sacks included.

## REID'S YELLOW DENT.

One of the most largely grown yellow varieties throught the corn belt and one of the best varieties for Iowa, Illinois, Nebraska, Kansas and other states in the same latitude. A splendid variety for farmers who sell corn on the ear as the ears are so remarkably uniform in size, type and color. They are covered with 18 to 24 rows deep grain, no space lost between the rows, and are of light golden-yellow color and about 9 to 11 inches long; the cob is very thin. It matures in about 115 days. Our stock is very choice, grown in Minnesota. Price: 3 lbs. 75c, prepaid.—Not prepaid: Peck \$1.35, bu. \$4.50, 10 bus. \$42.50, sacks incl'd.



Silver King.

## TRIPLE INCOME OR MINNESOTA NO. 23.

An early dent corn, ripening in about 95 days. Altho it is very early it is nevertheless such a great yielder that it well deserves the name "Triple Income". The ears are of good size, closely crowded with 16 rows of kernels which are of white color at the tip ends, the sides being of yellowish color. It is a heavy yielder of both corn and fodder. The stalks grow about 7 to 8 feet high, are strong and very deep rooted. Of greatest value on account of its resistance to unfavorable conditions of weather and soil. Even in the most unfavorable seasons a good crop can be depended upon. For droughty sections and for thin, poor soil this splendid variety is assuredly a Triple Income Corn. Price: 3 lbs. 75c, prepaid.—Not prepaid: Peck \$1.40, bu. \$4.75, 10 bus. \$45.00, sacks included.

## DAKOTA GROWN SEED CORN.

This corn was grown in the central part of South Dakota, but close to the Minnesota border. We recommend the following varieties for the southern part of South Dakota and for Iowa and Illinois as well as for other central corn growing sections.

REID'S YELLOW DENT CORN.—Dakota Grown.—Peck 85c, bu. \$3.00, 5 bus. \$14.25, 10 bus. \$27.50.

DAKOTA YELLOW DENT CORN.—Dakota Grown.—Peck 85c, bu. \$3.00, 5 bus. \$14.25, 10 bus. \$27.50.

MINNESOTA NO. 13.—Dakota Grown.—Peck 85c, bu. \$3.00, 5 bus. \$14.25, 10 bus. \$27.50.

NORTHWESTERN DENT CORN.—Dakota Grown.—Peck \$1.00, bushel \$3.25, 5 bus. \$15.50, 10 bus. \$30.00.

SAMPLES OF CORN. We will mail free, upon request, samples of the varieties you are interested in.

# FLINT CORN VARIETIES.

Here in the Northwest flint corn is used largely for late planting and as a crop for "new breaking"; also for early planting where ripe corn is wanted for early use, and for "hogging off" purposes. For silage all flint corn varieties are planted extensively. The different varieties listed here, vary somewhat in earliness, but all of them possess the good point to mature a crop under adverse conditions.

## IMPROVED KING PHILIP.

**Extra Early Red Flint Corn.** This is a very early eight-rowed flint corn, and is one of the most reliable and productive varieties for the Northwest. The ears grow very long, a large percentage of them over 13 inches, with 8 straight rows of broad kernels, which are of shiny red color, shading to gold on the outside edge. Many stalks produce two and sometimes three good large ears. The corn is not near as hard as ordinary flint corn, on which account it is of the greatest value for feeding stock. The stalk grows about 7 feet in height, and is very leafy, therefore being more valuable for fodder than any dent corn. This variety matures in 80 to 85 days. Very hardy and one of the best and most reliable early varieties. **Price: 3 lbs. 50c, postpaid.—Not prepaid, peck \$1.00, bushel \$3.50.**

## EARLY MERCER.

**Extra Early Yellow Flint Corn.** This corn is very prolific, and it is claimed to have yielded over 100 bushels per acre. The ears average 10 inches in length, are 12 to 14 rowed, well filled out to the tips, and are of a rich dark yellow color. Many stalks produce 2 and sometimes 3 good ears. The stalks average 5 feet in height and produce very few suckers. Matures in 80 to 85 days. **Price: 3 lbs. 50c, prepaid.—Not prepaid, peck \$1.00, bu. \$3.50.**

## SANDFORD'S WHITE FLINT.

The handsomest flint corn and especially recommended for Minnesota and South Dakota. The great feature of this variety is the large grain and small cob it produces. If an ear be broken, you wonder that it is possible for so small a cob to hold and nourish so much grain. The ears are 12 to 15 inches long, smooth and symmetrical. Sandford's White Flint makes a very sturdy and vigorous growth with a great abundance of broad succulent leaves and is of great value for fodder and silage as well as grain. Matures in 85 to 90 days. **Price: 3 lbs. 50c, prepaid.—Not prepaid, peck 90c, bushel \$3.25.**

## COMPTON'S EARLY.

One of the best varieties for northern latitudes. Ears measure 12 to 16 inches in length, with 8 broad rows of kernels, making a most attractive appearance. The stalks grow to medium size, and many of them bear two to three ears. It is very leafy and a valuable variety for ensilage. **Price: 3 pounds 50c, prepaid.—Not prepaid, peck \$1.00, bushel \$3.50.**

## MINNESOTA WHITE FLINT.

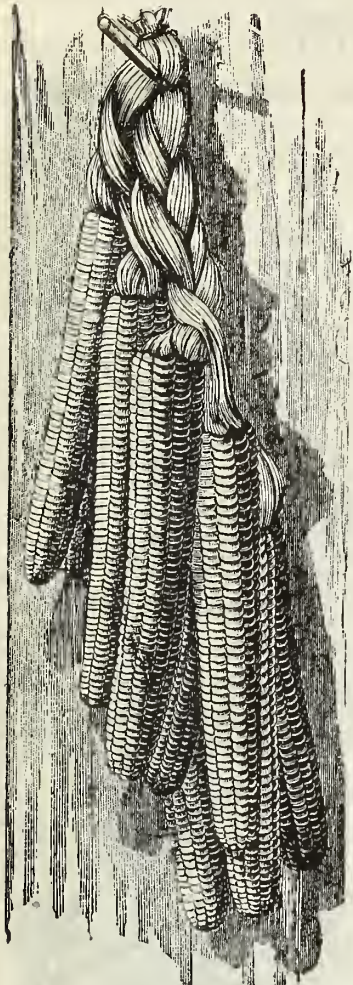
Very early strain of white flint, producing good sized ears and maturing readily in 80 days. Makes a quick, vigorous growth, producing an abundance of large succulent leaves. One of the best varieties for fodder and silo purposes, as well as for the grain crop. **Price: 3 lbs. 50c, prepaid —Not prepaid, peck \$1.00, bu. \$3.50.**

## NORTH DAKOTA WHITE FLINT.

A pure pearly white flint corn, the result of many years' careful selection from the original squaw corn. This corn stands more hardship, such as cold, frost, heat and poor cultivation, than any other variety. It grows about 5 feet high and the average distance the ears are from the ground is 2 feet. Matures in 75 to 80 days. **Price: 3 lbs. 50c, prepaid.—Not prepaid, peck \$1.00, bu. \$3.50.**

## LONGFELLOW.

This is a yellow variety of flint corn of very handsome, rich and glossy appearance. The ears are 12 to 16 inches long, and are filled with large and broad kernels. It is not at all unusual to find three full-sized ears growing on one stalk. It is well known as a heavy producer of fodder as well as of ears. The average height of the stalk is 7½ feet, while the ears are set about 3 feet from the ground. Matures in 80 to 85 days. **Price: 3 lbs. 50c, prepaid.—Not prepaid, peck \$1.00, bu. \$3.50.**



Sandford's White Flint Corn.

## GIANT CUZCO CORN.

A strange and curious corn from Peru, with kernels of truly mammoth size, each one being as large as 6 to 10 kernels of ordinary field corn. It will cause wonder and astonishment in everyone who sees it. It will not mature here but it is a great novelty and attracts attention wherever seen. **Packet 10c, ¼ pound 25c, prepaid.**

Rochester, Minn., Dec. 8th, 1915.

Received the 15 bushels of Seed Corn and find that it tests even better than you claim. Am well satisfied.

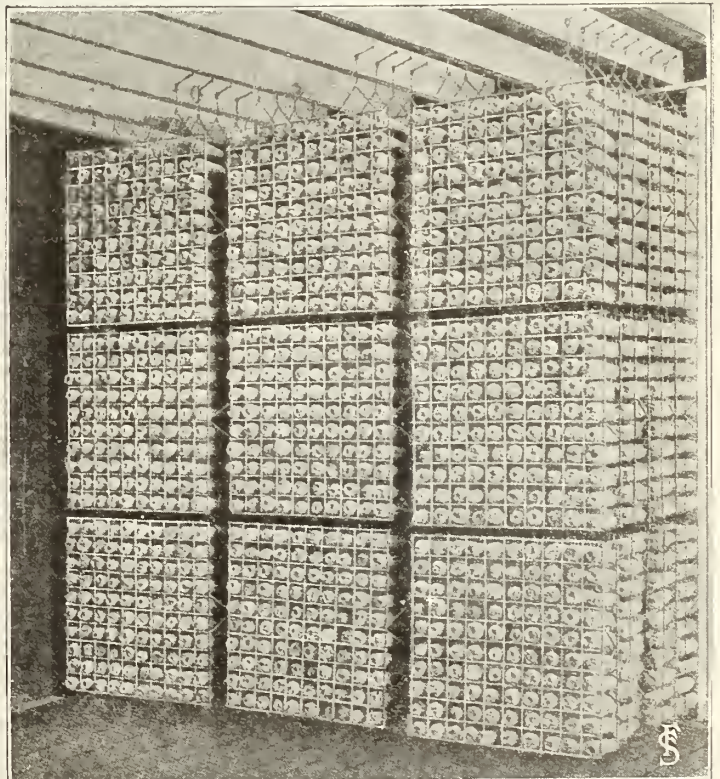
GEORGE M. BURNHAM,

## KILL - EM - QUICK. Death To The Gopher.

**It Kills Gophers.** It's the only way — you can't trap or shoot enough to make any impression on the increase. But **Kill-Em-Quick Gopher Poison** will clean them out in a day. Its odor attracts them. The sweet taste suits them. The tiniest particle eaten kills instantly. It's the one **absolutely sure** way to destroy gophers, prairie dogs, squirrels, mice, etc.

**Kill-Em-Quick** is the most economical to use. It's the safest. There's no danger in preparing, — simply soak the grain over night, drain in the morning, pour the box of **Kill-Em-Quick Powder** in and stir thoroly. Then drop a few kernels of grain into their holes. Next day every gopher in your field will be dead. Or, if you want to collect a bounty drop the grain 4 or 5 feet from the holes. No gopher ever will travel 4 feet after eating **Kill-Em-Quick**.

We unreservedly guarantee that Mielson's **Kill-Em-Quick** is not only the cheapest gopher poison you or any other man can use, but the **most effective you can use at any price.** **Kill-Em-Quick** comes in two sizes: enough for 4 1/2 acres and 80 acres; enough to kill 1,000 and 2,000 gophers. Backed by a cash guarantee. Full satisfaction or money back. **Price: Two sizes, 50c and 75c, prepaid.**



Showing Method Of Drying Ear Corn In Our Corn Drying Rooms.

# FODDER OR ENSILAGE CORN.

## NORTHERN GROWN EARLY FODDER CORN VARIETIES.

A great many dairyfarmers and stockmen nowadays plant an early Fodder corn which they can let mature, if they prefer same to be fed as bundle corn during fall and winter. By doing so they handle considerably less bulk, such as coarse stalks and a large amount of moisture, and provide a very nourishing and milk producing feed in a more condensed form. That it is an advantage to plant earlier maturing varieties of fodder corn is now generally acknowledged. Prices quoted are f. o. b. Faribault.

### F. S. & N. CO'S IDEAL SILO CORN.

The best fodder corn for the northern states. For feeding green, for silo purposes and also for curing in shocks, to be stacked up for feeding in the bundle, it is unexcelled. It is a great yielder of fodder and also matures large sized ears in 90 to 95 days, ripening at the same time as the well known Minnesota No. 13 Field Corn. The stalks do not grow as thick and coarse as the southern varieties of fodder corn, and can easily be harvested with the corn binder. The stalks are strong and stiff, withstanding the wind well, they grow about 8 to 9 feet high, with an abundance of leaves for fodder. The roots go deep into the soil, withstanding drought well. The Ideal Silo Corn is especially well adapted to poorer soils, on which most other varieties would make but a small crop; you can depend on the Ideal Silo Corn to bring big returns on such soils. It will also grow well on cold low ground. It is of quick growth and will mature perfectly in this latitude. For this section and Iowa, as well as for northern Minnesota, Wisconsin and the Dakotas, no better corn for fodder purposes can be found. The Experimental Stations now advise our farmers of the Northwest to plant early maturing varieties of fodder corn in preference to the coarser Southern kinds. Every dairy farmer should plant more fodder corn because it produces more tons of splendid feed per acre than any other grain or forage plant. Pk. 70c; bu. \$2.50; 5 bu. \$12.00; 10 bu. and more at \$2.30 per bu.

### EARLY MINNESOTA YELLOW DENT FODDER CORN.

A standard early variety that has given our customers very good satisfaction for many years. It is a heavy yielder of fodder and may be used for feeding green from the field, as well as for silo filling and for curing in shocks, to be fed later, in the bundle. Will mature perfectly in this latitude and also north of here. The stalks grow about 8 1/2 feet high and are very leafy, the ears are of good size and will mature in about 90 days. Price: Pk. 60c, bu. \$2.25, 5 bu. \$11.00, 10 bu. and more at \$2.15 per bu., bags included.

### YELLOW JUMBO FODDER CORN.

One of the best varieties of medium early Fodder Corn for the silo as well as for feeding green. It is wonderfully productive, without growing over-large like some of the Southern varieties of Fodder Corn, and also grows and matures fair-sized ears, several of them often growing on a single stalk. The average height of this corn is 8 feet, but the stalks do not grow thick and coarse, and can be harvested quite easily with the corn binder. Pk. 10c, bu. \$1.35, 2 bu. for \$2.60, 5 bu. and more at \$1.25 per bu., not prepaid.

### EXTRA EARLY WHITE DENT FODDER CORN.

Though not absolutely typical as a field corn, this is a good commercial grade of dent corn maturing perfectly as far north as the center of this state. We recommend this variety in particular for cold and moist soil. It produces a heavy yield of excellent fodder and adapts itself more readily to different soils and conditions than any other corn. Price: Pk. 60c; bu. \$2.25; 5 bu. \$11.00, 10 bu. and more at \$2.15 per bu., not prepaid.

## Tall Growing Southern Dent Corn.

### RED COB FODDER OR ENSILAGE CORN.

A well known variety of Fodder Corn good either to feed green right from the field, to put up for the silo or to cure and stack away. It is a pure white corn, cropping as high as 45 tons of fodder per acre, which is sweet, tender and juicy, and furnishes great quantities of nourishment. The stalks have short joints, therefore producing an abundance of leaves, and grow to a good height. This Fodder Corn is adapted to every section of the country, although it will not ripen in our Northern States. Price: Pk. 50c; bu. \$1.60; 5 bu. and more at \$1.55 per bu., not prepaid.

### GIANT FODDER CORN.

This grows very tall and leafy, and yields an immense quantity of fodder of excellent quality. Other varieties of Fodder Corn grow just as tall and often throw out leaves that are just as large but the great productiveness of the Giant Fodder Corn arises from the closeness of the joints, and as leaves are thrown out at every joint, the result is an increased yield of fodder over every other variety. Price: Pk. 50c, bu. \$1.75, 5 bu. and more at \$1.70 per bu., not prepaid.

### Sweet Fodder Corn.

**EVERGREEN** — We consider this one of the most valuable fodder plants in existence, and every stock farmer should 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 9 to 10 feet high and produce an almost incredible amount of fodder, which, when well cured, is equal to the best hay. Sweet Fodder Corn increases production of milk and cream wonderfully. Price: Pk. 75c; bu. \$2.75, 5 bu. or more \$2.65 per bu., not prepaid.



# MINNESOTA GROWN SEED POTATOES.

WITH hardly any other agricultural product is the change of seed of such great importance as with Seed Potatoes, for these deteriorate so rapidly, especially on soil that is not naturally well adapted for their growing. Seed stock should, however, be procured from a northern section where the conditions of soil and climate are naturally favorable and where the tubers reach their highest state of perfection. Everybody familiar with the soil conditions in this section of the Northwest has to admit that they are the most ideal for the production of clean, healthy and well-formed tubers. On account of the intersection of the Straight and Cannon Rivers, here at Faribault, we have the greatest variety of soil at our disposal—the light, somewhat sandy, yet fertile river bottom, deep rich, black loam, just sandy enough so that it works up well and never packs, and also the naturally rich, loamy hardwood-timber soil abounding in vegetable and humus matter to such an extent that it will produce the largest crops of Potatoes, Corn, Vegetables, etc., for years to come. With all such favorable conditions supplied by nature, together with the most careful selection of our seed stock, we are constantly bringing our Seed Potatoes up to the highest standard of perfection.

We ship our potatoes in the spring, as soon as the danger of freezing is over, so that they will arrive in due time for planting. All orders for potatoes are acknowledged when received, and forwarded as soon as possible.

We agree to fill all orders for Seed Potatoes at catalog prices as long as our supply lasts. Should this, however, be sold out and your order reaches us later in the season so that we would be obliged to procure new stock from other potato growers at higher prices, then we reserve the right to send you the money's worth of Seed Potatoes, or we shall write you before we fill your order.

Our customers can select a barrel of any 3 different varieties at the barrel price of each variety, and we will pack them separately in 1 barrel.

**Our Barrels are Full 3 Bushel Size, Which Fact Please Bear in Mind When Comparing Prices.**

It is advisable to ship bushel lots of potatoes in baskets to insure safe arrival, without the potatoes being bruised or skinned. We will ship them in baskets at 15 cents extra per bushel.



## EXTRA EARLY OHIO. TRUE RED RIVER STOCK.

This grand old reliable potato is too well known to require a lengthy description. Almost every farmer and potato grower has given it at least a trial, and where the true and genuine stock was secured, it has always given the best satisfaction. No matter how many new early varieties are introduced, the Early Ohio is still the leading market potato. The southern potato growers realize that by planting our extremely northern grown Early Ohio, the crop will be ready for the market at least ten days to two weeks earlier than if their own or more southern grown stock had been planted. Our Northern Grown Early Ohio, being vigorous and healthy, will naturally produce the largest crops and mature almost two weeks earlier than seed potatoes produced in a milder climate. Price: 3 lbs. 50c, prepaid.—Peck 40c, bushel \$1.35, barrel \$4.00, not prepaid.

## EARLY SIX WEEKS.

Considered the best seedling of our grand Early Ohio, which is also the parent of several other good early varieties. The Early Six Weeks outrivals the Early Ohio, not only in extreme earliness as its name already indicates, but also excels it in productiveness. The tubers are of a handsome oval form, almost the same in shape and color as the Early Ohio, but are not quite as much inclined to run elongated when conditions of soil and weather are unfavorable. The flesh is of extreme whiteness, both raw and when cooked. The potatoes grow closely to the plant and are therefore easily harvested. Altho the Early Six Weeks is such an extremely early variety, it is also a splendid keeper, remaining sound until late in the spring without wilting or sprouting. We have always had a very large demand for them. Price: 3 lbs. 50c, prepaid.—Peck 45c, bu. \$1.45, barrel \$4.35, not prepaid.

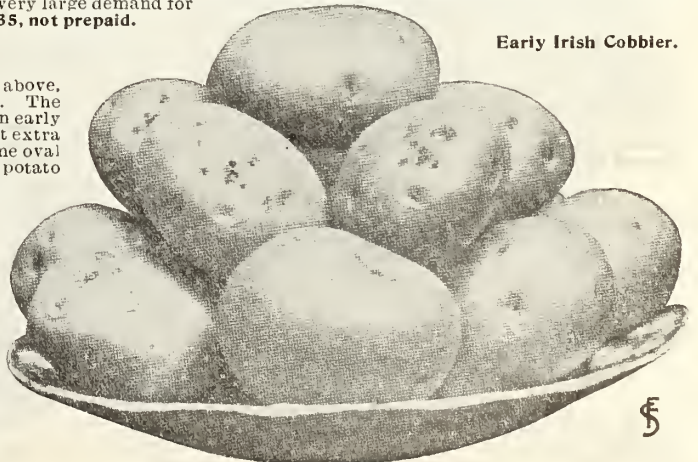
## WHITE EARLY OHIO.

Very similar in form and type to the Extra Early Ohio described above, but the skin is pure white, excepting the eyes, which are pink or red. The White Ohio is a good yielder and a strong and healthy grower. As an early market potato it is of the greatest value, for it is one of the very best extra early white potatoes so far introduced. On account of its handsome oval form and smooth appearance, it always sells at first sight on any potato market. Less affected by scab and blight than the Red Ohio. It is just as good in quality and just as early maturing as the Red Ohio and will yield even better. Price: 3 lbs. 50c, prepaid.—Peck 45c, bu. \$1.45, barrel \$4.35, not prepaid.

## EARLY IRISH COBBLER.

In shape the Cobbler is round, with oval cross-section. Skin is white, well netted. Flesh pure pearly white. Eyes are very few and shallow. Its cooking qualities and flavor are first class. Tubers are of good size, no small ones and very smooth and free from scab. The Irish Cobbler is one of the most reliable of the first early sorts and an unusually heavy yielder for an early potato, excelling in this respect many of the late main crop varieties. It ripens very evenly, every hill seeming to ripen at one time. Its strong growth, earliness, productiveness, fine eating quality, and handsome appearance will always cause a good demand for the Irish Cobbler. Price: 3 lbs. 50c, prepaid.—Peck 50c, bu. \$1.40, bbl. \$4.20, not prepaid.

Early Irish Cobbler.



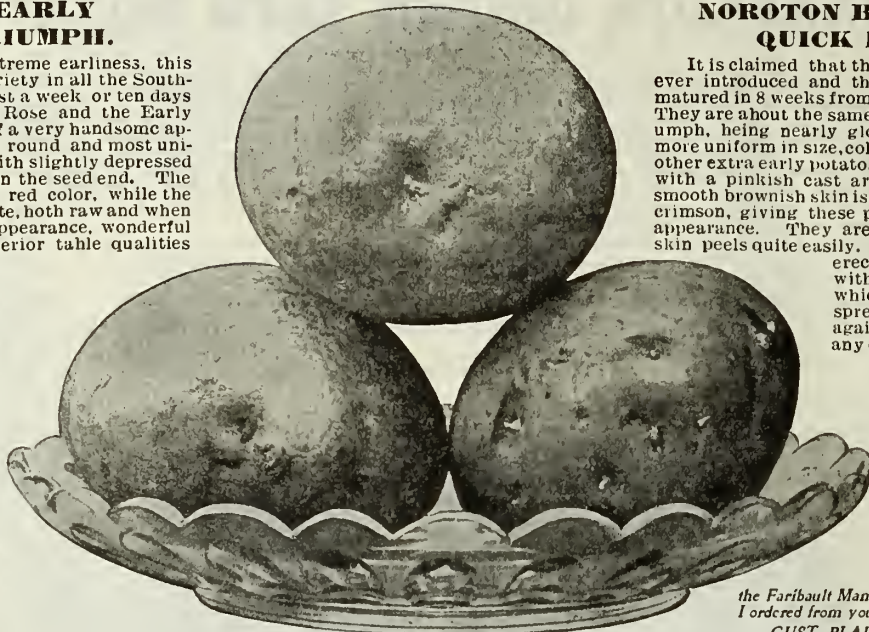
**EXTRA EARLY BLISS TRIUMPH.**

On account of its extreme earliness, this is a standard market variety in all the Southern States. It is at least a week or ten days earlier than the Early Rose and the Early Ohio. The tubers are of a very handsome appearance, being almost round and most uniform in shape and size, with slightly depressed eyes, which are mostly on the seed end. The skin is of a pretty, light red color, while the flesh is of the purest white, both raw and when cooked. Its beautiful appearance, wonderful productiveness and superior table qualities make this potato a favorite for the early market wherever introduced. It produces at least from 12 to 15 tubers per hill, all of marketable size. It is the standard first early potato in the South for shipping to northern markets early. Price: 3 lbs. 50c, prep'd. —Peck 40c bu. \$1.25 bbl. \$3.75, not prepaid.

**OLPE, KANS.**

The potatoes ordered from you arrived in best condition. We were agreeably surprised seeing such nice, large potatoes. Many thanks to you

R. O. FOERSTER.



Extra Early Bliss Triumph.

**NOROTON BEAUTY OR QUICK LUNCH.**

It is claimed that this is the earliest potato ever introduced and that the tubers are well matured in 8 weeks from the time of planting. They are about the same shape as the Bliss Triumph, being nearly globular in form, and run more uniform in size, color and quality than any other extra early potato. The eyes are shallow, with a pinkish cast around them, while the smooth brownish skin is also splashed with rosy crimson, giving these potatoes a very striking appearance. They are quickly pared as the skin peels quite easily. The vines grow stiffly erect and are closely set with deep green foliage, which is broad and flatly spread. It is very hardy against the blight, rot or any other disease and a heavy yielder. Price: 3 lbs. 60c, prepald.—Peck 50c, bu. \$1.50, bbl. \$4.50, not prep'd.

BEAUFORT, MO.  
Received the 7 barrels of seed potatoes promptly and in fine condition, am more than pleased with this order.  
N. W. KNEHANS.

I am well pleased with the Faribault Mammoth Prize Potatoes which I ordered from you last year.  
GUST. PLAUTZ, Random Lake, Wis.

**PEARL OF CANNON VALLEY.**

We have received so many letters of approval from our customers on account of the superior quality of this great potato, that we see our trouble and expense, always connected with originating new varieties, well rewarded. The tubers grow large, run very uniform in size as well as in shape, and are of an attractive oval form, with smooth, somewhat netted skin on the seed end; eyes are few and shallow and the skin is of a creamy white color. The very type of this potato expresses the choicest table quality, the flesh is white, both raw and when cooked, fine grained and of excellent flavor. It is not only remarkable on account of its superior quality, but in great productiveness it is also unsurpassed. Yields of 400 to 500 bushels per acre are nothing unusual. The Pearl of Cannon Valley is a medium late variety, maturing with the Carman No. 1. A splendid market potato of finest quality, which always sells well. Price: 3 lbs. 50c, prepald.—Peck 45c, bushel \$1.50, barrel \$4.50, not prepald.

**THOROUGHbred.**

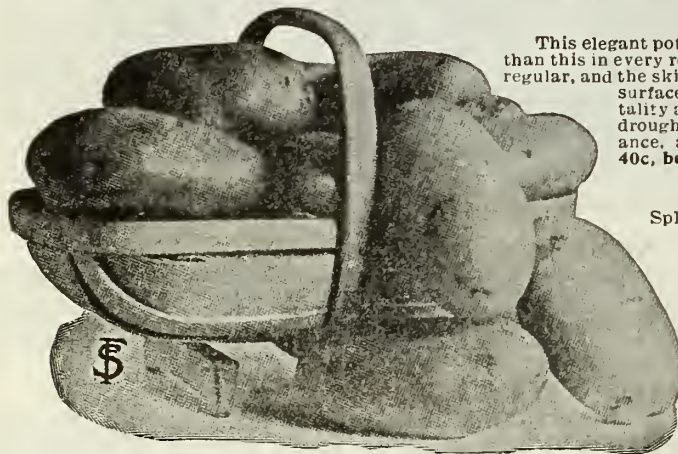
This elegant potato is a seedling of the Early Rose, and is just as good if not better than this in every respect, but is somewhat later. In shape it is oblong to long and very regular, and the skin is of a beautiful pink color; the eyes, altho large, are even with the surface. It is a rank and free grower of vines and tubers, with so much vitality and vigor that it is certain to produce a good crop even in seasons of drought. The tubers grow large to very large, and are of handsome appearance, and of the very best table quality. Price: 3 lbs. 50c, prepald. — Peck 40c, bushel \$1.35, barrel \$4.00, not prepald.

**VIOLET QUEEN.**

Splendid medium early potato that is bound to please everybody. It is very distinct and handsome, of an oval, slightly flattened form, with a beautiful violet and white mottled, finely netted skin, while about the shallow eyes there are patches of pink, which make the appearance of this potato decidedly striking. Altho it grows large its choice table quality is unsurpassed; the flesh is clear white, both raw and when cooked, and boils perfectly dry and mealy thruout. It starts more quickly, and grows more vigorously than any other kind; the vines are strong and healthy, and the tubers are all of large, uniform size, lying close together in the hill. It is neither affected by potato blight nor rot, and is one of the most profitable potatoes for home use. Price: 3 lbs. 60c, prepald.—Peck 60c, bu. \$2.00, bbl. \$6.00, not prepald.

**BURBANK SEEDLING.**

A seedling of the well known old Burbank potato. This variety embodies all the good qualities of the old variety and adds many new ones. Ripens medium late. The tubers are of good size, fine elongated form, have white flesh, which is very mealy and of fine flavor; the best potato for baking. It is very prolific, well adapted to heavy soils and is a late keeper. Our stock is very fine. Price: 3 lbs. 50c, prepald.—Peck 40c, bu. \$1.25, bbl. \$3.75, not prepald.



Pearl of Cannon Valley.

**CARMAN NO. 1.**

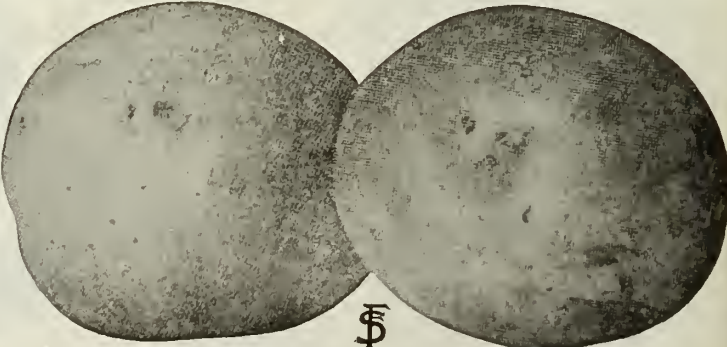
The tubers grow very large, and will produce small ones only under unfavorable circumstances. The Carman is medium late and an enormous producer of handsome and well-shaped tubers which possess the best table qualities. Skin is of a yellowish white color; flesh is white and fine grained; cooks dry and mealy and very even thruout. One of the best main crop potatoes. Price: 3 lbs. 50c, prepald. — Peck 35c, bushel \$1.15, barrel \$3.45, not prepald.

**HYBRIDIZED POTATO SEED.**

Growing new sorts from the seed-hall seed is a very interesting employment for old and young. There is the widest range of difference in color, shape and general characteristics between the different seedlings; everyone is more or less unlike all the others. It is from this seed that new varieties are originated. The result is often extremely profitable. Directions for planting, cultivating, etc., on each packet. Price: Packet 10c, 3 for 25c, postpaid.

We received the potatoes and are well pleased with them. Many thanks.  
R. C. MOGEE, White Church, Mo.

Received the Plants in good order, and the Potatoes also. Your packets are much larger than I get of other nurseries. the Strawberry plants and Pir Plants have splendid roots  
MRS. EMMA STUART, Hanover Wis



Noroton Beauty.

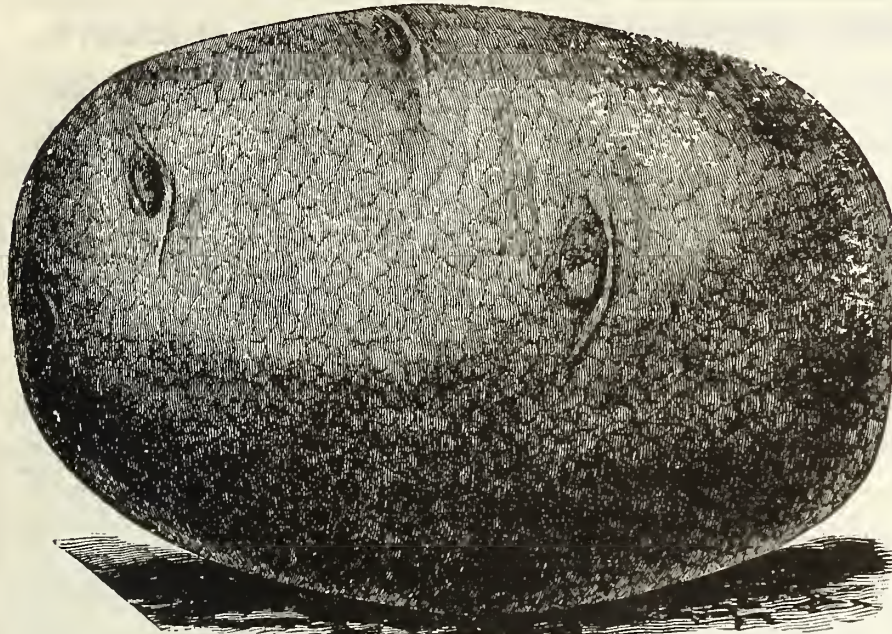
**FARIBAULT  
MAMMOTH PRIZE.**

We consider this new Potato the most valuable of all our introductions, for it excels in great productiveness and in choice table quality. It has distinguished itself as a perfect disease-resisting variety, never getting scabby, and on account of being of such a strong and vigorous growth, it is but little affected by the ravages of potato bugs.

The Mammoth Prize is, beyond doubt, the largest choice eating potato in cultivation. It is of an oblong, almost oval form, as shown in the illustration, and is of a yellowish-white color; is perfectly white fleshed and a grand cooker, retaining its floury whiteness even when cold. The potato is late in maturing and ripens with the Carman. Growers for the market will not find another variety that is as productive and as profitable to grow as the Faribault Mammoth Prize. **Price: 3 lbs. 50c, prepaid. — Pk. 50c, bu. \$1.50, bbl. \$4.50, not prepaid.**

**RURAL NEW YORKER  
NO. 2.**

Is a large, white-skinned variety, oval in form, and rather flattish; flesh is white and close-grained, solid and of the very best quality, it cooks dry and floury; eyes are few and shallow. The tubers are large and the smoothest and cleanest of all Potatoes grown. 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 rough or scabby. **Pk. 40c, bu. \$1.25, bbl. \$3.75, not prepaid.**



**Faribault Mammoth Prize.**

**SIR WALTER RALEIGH.**

One of Mr. Carman's latest and best introductions—a seedling of the Rural New Yorker No. 2. It must be acknowledged that Mr. Carman has originated some of the most popular varieties of potatoes now grown, notably the Rural New Yorker No. 2, and the Carman. Sir Walter Raleigh resembles the Rural in shape, but is a little more buff in color; the flesh is also whiter. It is from four to six days earlier than the Rural, and the tubers are more uniform with practically no small ones, every one being of marketable size. This variety is the whitest fleshed and finest grained Potato, exceeding even the Snow Flake. At the originator's trial grounds it proved to be the best and heaviest cropper of 49 varieties. It is unquestionably the best of its type, being not only the finest eating potato, but also the heaviest yielder. **Price, 3 lbs. 50c, prepaid,—Peck, 40c, bu. \$1.35, bbl. \$4.00, not prepaid.**

**SECOND SIZED SEED POTATOES.**

As we had a large fall trade on Seed Potatoes we have only limited quantities of a few varieties left, which we quote as follows:

Extra Early Ohio.....	per bu. \$1.00.....	per bbl. \$3.00	Pearl of Cannon Valley.....	per bu. \$1.15.....	per bbl. \$3.45
White Early Ohio.....	per bu. \$1.10.....	per bbl. \$3.25	Carman No. 1.....	per bu. \$ .85.....	per bbl. \$2.50
Extra Early Bliss Triumph.....	per bu. \$1.00.....	per bbl. \$3.00	Rural New Yorker.....	per bu. \$ .95.....	per bbl. \$2.85
Early Noroton Beauty.....	per bu. \$1.15.....	per bbl. \$3.45	Faribault Mammoth Prize.....	per bu. \$1.10.....	per bbl. \$3.25
Early Irish Cobbler.....	per bu. \$1.00.....	per bbl. \$3.00			

Please notice that we do not offer the above Second-Sized Seed Potatoes in smaller quantities than one bushel. In case the Second-Sized Potatoes are ordered and we should be sold out when we receive your order, we reserve the right to send the money's worth in First-Grade Potatoes of the varieties ordered, unless otherwise specified in your order, or, if early enough in season, we will first write you.

The three bushels of your Faribault Mammoth Prize Potatoes I received from you, brought me 120 bushels of extra fine potatoes, the best yield I ever had on potatoes. I am very much pleased with them. **A. W. CARPENTER, Chamberlain, S. D.**

The Potatoes received from you last year were certainly extra fine stock and I had the best of success with them. Thanks for good service. **FRED BENDER, Sedalia, Mo.**

Your great Mammoth Prize Potato is a big yielder. From 1 peck I raised eight full bushels of the very finest potatoes. You can freely recommend them to any one.  
**R. A. BRUMMOND,**  
Buffalo Lake,  
Minn.

Enclosed my seed order and amount of \$46.50 to pay for same. Last year's order was very satisfactory, the Grimm Allala is doing fine.  
**JENS P. LARSEN**  
Ringsted, Iowa.

Enclosed find my order (\$9.00) for seeds and plants. I have been a customer of yours for 25 years and have found your goods always of the very best quality. Thanks for the many favors.  
**JOHN RABUSCH,**  
Vermillion,  
S. Dak.



**Sir Walter Raleigh.**

# BOOKS ON AGRICULTURE, HORTICULTURE AND KINDRED SUBJECTS.



Every year we receive numerous inquiries from our customers for good practical books pertaining to agriculture, gardening, floriculture, husbandry and farming in general. We have this season devoted this page to a selection of the very best books of interest to the farmer, gardener and stock-raiser. Every one of these books may be considered as the best in its class and the price we ask is indeed very reasonable and in most cases far below the bookseller's price. WE PAY POSTAGE.

- Alfalfa.** F. D. Cohn. Its growth, use and feeding value. Price.....55c
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- Flax Culture.** Selection of ground, seed, preparations and marketing of crop. Price.....30c
- Root Crops for Stock Feeding.** Price.....25c
- Tobacco Culture.** Full practical details by fourteen experienced growers in different sections of the country. Price.....35c
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- Farmer's Account Book and Farm Record.** Price.....\$1.00
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- Small Fruit Culturist.** Andrew S. Fuller. This book covers the whole ground of propagating small fruits, their culture, the different varieties, packing for market, etc. It is finely and thoroly illustrated. 298 pages. Price.....\$1.10
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- Land Cruising and Prospecting.** A. F. Wallace. A valuable hook for homesteaders, hunters, trappers, prospectors and guides. Price.....60c
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- Modern Horse Doctor.** G. H. Dadd. Improved and recent methods for preservation and restoration of health. 452 pages. Price.....\$1.10
- 500 Questions Answered About Swine.** L. H. Cooch. This manual is practically a complete veterinary hook for swine breeders. Every farmer needs it. Price.....30c
- Home Pork Making.** A. W. Fultop. A complete guide in raising, slaughtering, curing, preserving and storing pork, including many recipes for cooking and serving. Price.....55c

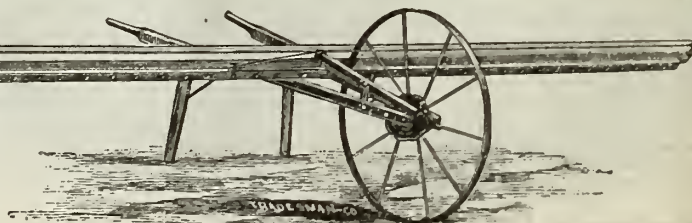
- How to Make Poultry Pay.** Written by several leading authorities. Price.....\$1.10
- Poultry Manual.** Franklin L. Sewell and Ida E. Tilson. A safe guide for successful poultry culture in all its branches. Price.....30c
- Poultry Houses, Coops and Equipments.** H. A. Nourse. Price.....30c
- Turkeys, Ducks and Geese.** H. A. Nourse and Geo. H. Pollard. This information will enable anyone to succeed in this work and save disappointment and needless loss of money. Price.....55c
- Simple Poultry Remedies.** A book which describes the symptoms of each disease and tells how it can be cured and prevented by simple methods without expense. Price.....30c

**THE FARMER'S READY REFERENCE BOOK.** Contains 192 pages and every page of vital interest to the farmer, gardener, ranchman, dairyman, etc. Chapters on all departments of farm life, and each chapter written by an expert in his particular line. Send us your order for \$5.00 worth of Seeds and a copy of this book will be sent you free of charge. All other premiums excluded. The supply is limited.

## THE MICHIGAN WHEELBARROW SEEDER.

This seeder has all the good qualities that any other seeder has—the seed is carried so low that the wind has no chance to bother it. —yes, it has many superior ones. The wind may blow while you sow, because the machine will not effect the feed of the seed, because this is controlled by an improved force-feed roll driven by the wheel. There is no guessing as to whether the ground has been covered, because every spot of ground the seeder passed over is evenly sprinkled, as the seed has to fall but a short distance.

There are no small attachments in the machine to give out; it is built honestly and will last a generation if given the proper care. The wheel is 30 inches in diameter and the tire is 1 1/2 inches wide. The Michigan Seeder will sow accurately Flax Seed, Millet, Clover, Timothy and other grass seeds. It is an easy matter to sow 25 to 40 acres per day with it. Price: 14 ft. machine \$6.50,—16 ft. machine \$7.50. Weight of seeder 40 lbs.





# "STANDARD" GARDEN TOOLS.

These splendid tools have gained wide popularity within a very few years on account of their sterling worth and moderate price at which they sell. All tools are well made of the best material and fully guaranteed. Illustrated catalog free on request.

## "STANDARD" No. 9 Double and Single Wheel Hill and Drill Seeder, Cultivator, Hoe, Plow and Rake.

A splendid tool with all latest improvements. Is easily changed from a double to a single wheel cultivator, and with the hill and drill seeder attachments combines three practical tools in one. The tool will not only deliver seed in drills, but by shifting one part only, will drop in hills, 4, 6, 8, 12 and 24 inches apart. Seeder is driven with steel chain. Equipment includes four shovels, one pair hoes, one pair diamonds, 1 pair rakes and 2 leaf guards.

Price: Complete \$10.75.



## "STANDARD" No. 11 Hill and Drill Seeder.

This is tool No. 9 set up as a hill and drill seeder only, no other attachments. Seed planted with "Standard" seeders is in perfect condition to cultivate to the best advantage after the plants are up. Price: \$8.50.

## "STANDARD" No. 20 Single Wheel Cultivator.

With this tool you can get your money's worth in a few hours work, whether you have 5 acres, one acre or a garden only 25 feet square. Has a strong steel wheel 24 in. in diameter, making it work easily and carrying the tool in perfect balance. The handles are quickly adjusted to suit the height of the operator or to regulate the depth desired to run attachments. The equipment includes double end shovel mold board with landside, combined sweep and rake, (practically 5 tools.)

The Standard No. 20 is a splendid cultivator for the smaller garden. Try one and be convinced.

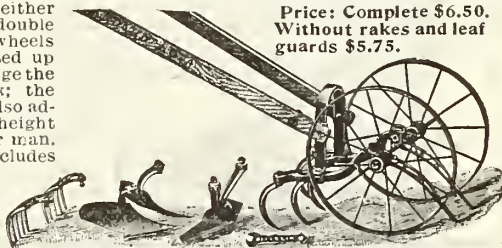


Price: Complete \$3.00.

## "Standard" No. 4 Single and Double Wheel Cultivator.

This tool is light weight yet strong enough to last a life time; can be changed in a minute from a double wheel, for cultivating astride the rows, to a single wheel, to cultivate between rows. With wheels 18 inches high and attachments the proper shape, a child can run the tool. When set up either as a single or double wheel, the wheels can be adjusted up or down to gauge the depth of work; the handles are also adjustable for height to suit boy or man. Equipment includes four shovels, 1 pair hoes, one pair diamonds, 1 pair rakes and 2 leaf guards.

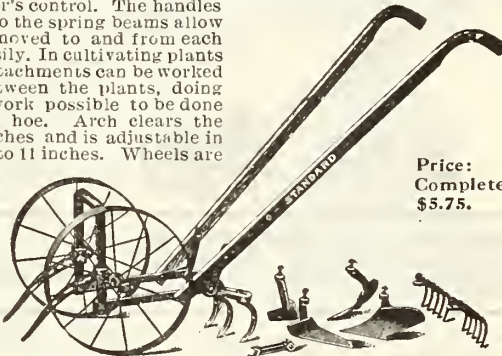
Price: Complete \$6.50. Without rakes and leaf guards \$5.75.



## "STANDARD" No. 2 Spring Beam Cultivator.

This spring beam, double wheel tool is a great favorite with all who use it, owing to the fact that the attachments when in use are entirely under operator's control. The handles being bolted to the spring beams allow them to be moved to and from each other very easily. In cultivating plants in hills the attachments can be worked in and out between the plants, doing the closest work possible to be done with a wheel hoe. Arch clears the ground 15 inches and is adjustable in width from 7 to 11 inches. Wheels are 16 in. high with 1 inch tires. With attachments as follows: 4 shovels, 1 pair hoes, one pair diamonds, 2 rakes, two leaf guards and 1 wrench.

Price: Complete \$5.75.



## "STANDARD" Three-Shovel Attachment.

Has three oval blades each 1 1/2 inches wide and 8 inches long, made and finished same as regular attachments. Will interchange and work on Standard No. 20 cultivator or on any of our single-wheel tools. Handles easily and does perfect work. A trial will convince you that this tool is a good one. Price 50c.

## "STANDARD" MIDGET SEEDER.

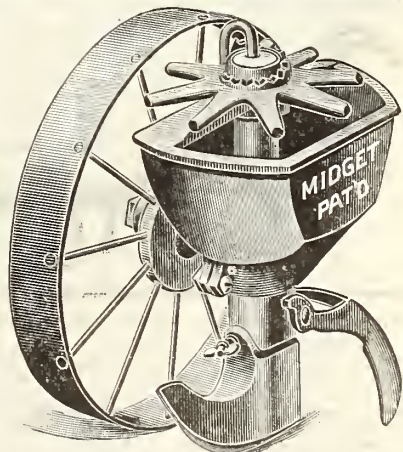
A NEW SEEDER FOR SMALL GARDENS.—Will drill out clean a 5 cent package of seed just as well as a larger quantity. Will attach to any "Standard" single wheel cultivator, or to almost any make of single wheel cultivator having 5 1/2 inches or more space between the shank and wheel. It attaches with one bolt in the same place and same manner as the cultivating tools. For use in close quarters, in beds or against a fence, or where it is not convenient to use the seeder attached to a cultivator frame, a short wood handle can be fitted to the seeder and used in this manner. Will drill almost any kind of garden seed from the smallest up to peas and beans. While the hopper holds one pint, it will handle and drill out clean a 5c package of seed just as well as a larger amount. An index naming several different varieties of seed is in plain view on top and no trouble to adjust. The shoe is adjustable for any depth desired and the cover swings so that small clods or a little trash does not interfere with its work.

This seeder is suitable for the man with a small home garden and is just as useful and efficient as a garden plow.

It is entirely set up and ready for use when it leaves the factory and the only thing necessary, is to bolt it to the plow frame. It has but few parts and the necessary adjustments are easily made. If you have use for a garden plow you have use for this seeder attached.

The Standard No. 20 cultivator with the Midget Seeder, makes an ideal tool for the home garden.

Weight when packed 8 pounds. Price only \$2.80.



## BARKER WEEDER AND MULCHER.

This is the most practical, as well as the most up-to-date hand cultivator ever offered, doing far better work than any ordinary cultivator with small pointed shoes or hoes. The Barker is made on the principle of a lawn mower, the long, revolving blades working up the surface of the ground thoroly, cutting the weeds and separating them from the soil, so that they are easily destroyed. There is only a steady forward motion with the Barker, and no jerking back and forward. The work of this machine is also more effective, as no weeds can be missed and a fine mulch is left over the surface of the ground which prevents the evaporation of the moisture.

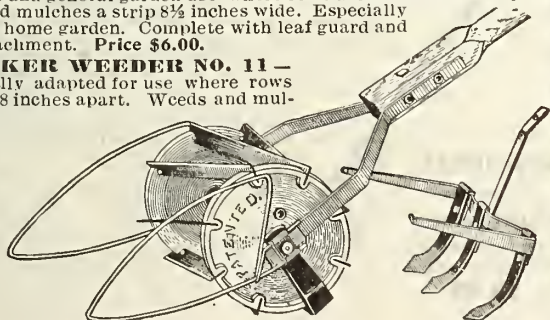
The Barker Weeder is just the tool for the practical market gardener.

**BARKER WEEDER NO. 6**—Has 6 inch blades and is for use where rows are close together. Completely equipped. Price \$4.90.

**BARKER WEEDER NO. 8 1/2**—This is the standard size for onion sets and general garden use where rows are 12 to 18 inches apart. Weeds and mulches a strip 8 1/2 inches wide. Especially suited for home garden. Complete with leaf guard and tooth attachment. Price \$6.00.

**BARKER WEEDER NO. 11**—Is especially adapted for use where rows are 15 to 18 inches apart. Weeds and mulches an 11 inch strip.

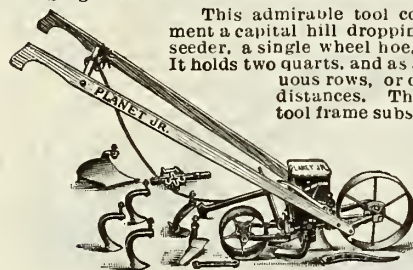
Complete with leaf guard and tooth attachment. Price \$7.35.



# "PLANET JR." FARM AND GARDEN TOOLS.

Space will not permit our showing and describing all of the "PLANET JR." Tools, but we will send a fully illustrated catalog free for the asking to any who desire it, and we can supply promptly anything ordered. "PLANET JR." goods are well known machines, the best on the market. In sending your order to us, you can rely on getting bottom prices.

## "Planet Jr." No. 4, Combined Hill and Drill Seeder Single Wheel Hoe, Cultivator and Plow.

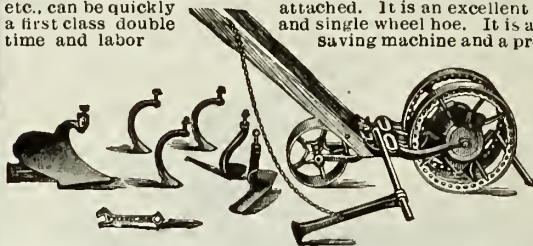


This admirable tool combines in a single implement a capital hill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator and a plow. It holds two quarts, and as a seeder it sows in continuous rows, or drops in hills at 5 different distances. The drill is detached and the tool frame substituted by removing but one bolt. It is useful almost every day during the season, at every stage of garden work.

Price: Complete \$10.50. — As a drill only \$8.50.

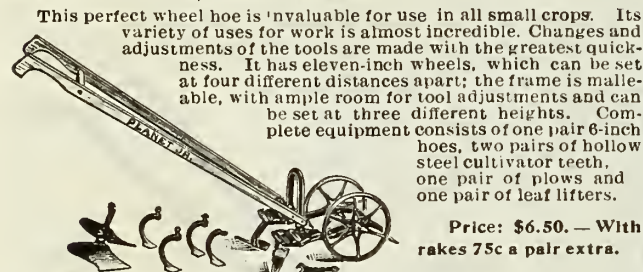
## "Planet Jr." No. 1, Combined Drill Seeder and Wheel Hoe, Cultivator and Plow.

This has long been the most popular combined tool made. From a drill it is changed to its other uses by removing two bolts, when hoed, etc., can be quickly attached. It is an excellent seed sower, a first class double and single wheel hoe, saving machine and a preventive for getting backache.



Price: \$9.00; with rakes 75 cents extra.

## "Planet Jr." No. 12, Double Wheel Hoe.



This perfect wheel hoe is invaluable for use in all small crops. Its variety of uses for work is almost incredible. Changes and adjustments of the tools are made with the greatest quickness. It has eleven-inch wheels, which can be set at four different distances apart; the frame is malleable, with ample room for tool adjustments and can be set at three different heights. Complete equipment consists of one pair 6-inch hoes, two pairs of hollow steel cultivator teeth, one pair of plows and one pair of leaf lifters.

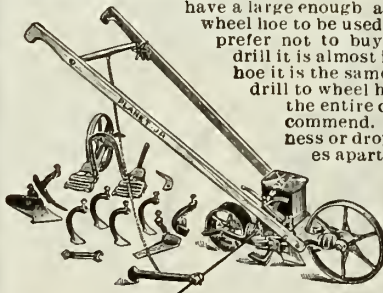
Price: \$6.50. — With rakes 75c a pair extra.

## "Planet Jr." No. 3, Hill and Drill Seeder. \$10.00.

This seeder is the latest and most perfect development of the hand seed drill. It sows evenly in drills, and also drops in hills, 4, 6, 8, 12 or 24 inches apart. No time is lost; no seed is wasted. It is quickly set to sow different kinds of seeds in the thickness desired. The accurate hill dropping drill, which gives a regular stand of plants with the least seed, saves its cost over and over in seed alone. Is fitted with 15 inch steel driving wheel. The hopper holds three quarts. The special force feed works equally well whether sowing with only an ounce or full hopper. We guarantee this drill to be more accurate than any other made and to give entire satisfaction.

## "Planet Jr." No. 25, Combined Hill and Drill Seeder and Double Wheel Hoe. \$13.00.

This new combined machine is intended for a class of gardeners who have a large enough acreage in crops for a double wheel hoe to be used to good advantage, and yet prefer not to buy a separate wheel hoe. As a drill it is almost identical with No. 4, and as a hoe it is the same as No. 12. The change from drill to wheel hoe takes but a moment, and the entire combination is one we can recommend. Will sow in drills any thickness or drop in hills, 4, 6, 8, 12 or 24 inches apart; it is very accurate in planting all kinds of garden seeds. Two acres a day can easily be worked with this implement. The simplicity of this tool, both as a seeder and as a wheel hoe makes the combination thoroly practical.

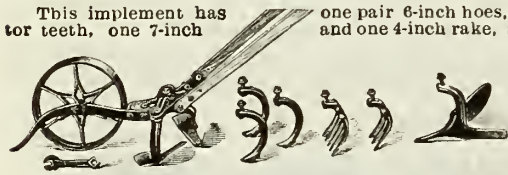


## "Planet Jr." No. 13, Double Wheel Hoe. \$4.25.

This tool is the No. 12 with the six-inch hoes only, these being the tools that are most generally used. Any or all of the other tools may be added at any time.

## "Planet Jr." No. 16, Single Wheel Hoe, Cultivator, Rake and Plow.

This implement has one pair 6-inch hoes, three cultivator teeth, one 7-inch and one 4-inch rake, a large garden plow and leaf guard.



Price: Complete as shown in cut, \$5.35.

## "Planet Jr." No. 17, Single Wheel Hoe, Cultivator and Plow.

This tool is the same as No. 16, but has only a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work. The other attachments can be added at any time as desired.

Price: \$4.50. Set of rakes 75c extra.

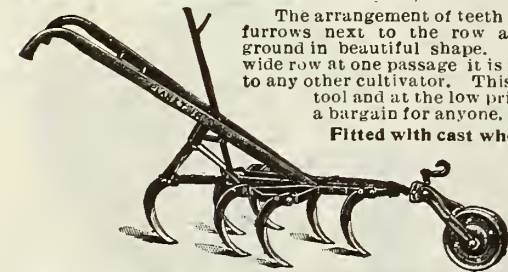
## "Planet Jr." No. 17½, Single Wheel Hoe and Cultivator.

Same as above, with a pair of hoes and 3 cultivator teeth only, the lifter is also included. Price: \$4.00.

## "Planet Jr." 7-tooth Cultivator. Price: \$7.75.

The arrangement of teeth prevents open furrows next to the row and leaves the ground in beautiful shape. For finishing a wide row at one passage it is much superior to any other cultivator. This is a very good tool and at the low price we ask, it is a bargain for anyone.

Fitted with cast wheel, deduct 25c.



Price of 7-tooth attachment only, to fit any other horse cultivator, \$1.65.

## "Planet Jr." No. 14, Double Wheel Disc Hoe, Cultivator and Plow.

This new tool will give excellent satisfaction. There are 3 discs on each side, which may be all used at once, or one or two on a side, as preferred. With the leaf lifters the work can be done without danger of injuring the plants. Discs are adjustable for depth and to throw to or from the row. The set of Prong Cultivator Teeth will be found invaluable for general cultivation. The plows are used for furrowing and for covering, for plowing away and plowing back. A splendid tool. The frame is all steel. Two acres a day can easily be worked with this implement.

Price: Complete with attachments as shown, \$7.50.



## New Ideal Garden Cultivator.

Two machines in one—the most practical of all garden tools. Built strong and durable yet light enough for a child to operate. No more backaches hoeing and weeding the gardens, will do hilling as fast as six men with a hoe. Made entirely of steel it weighs only about one-third as much as other two-wheeled cultivators and, therefore, requires about that much less labor to operate it. As it combines two cultivators in one, and either can be used instantly without making any changes (simply turning it over) it is certainly the most convenient and useful cultivator ever made. Has a capacity sufficient to meet the needs of the market gardener, and yet so light and easy to operate and so inexpensive that it would be especially adapted to the small home garden. At our low price no one should be without this tool.

## NEW IDEAL Garden Cultivator.

Two Tools in one. Our Special Price \$3.25



## "Planet Jr." 12-Tooth Harrow, Cultivator and Pulverizer.

This tool has rapidly grown in favor with strawberry growers, market gardeners, truckers and farmers because the twelve chisel-shaped teeth do such thoro work, and because the tool is so convenient, durable and strong. The teeth and pulverizer leave the ground in the finest condition, and the operator can set the tool exactly to any depth desired. The expander works with ease, yet holds the tool thoroly rigid.

Price: Complete (with lever wheel and pulverizer) \$8.00, without pulverizer \$6.50, without pulverizer and wheel \$5.25.

# THE NEW ANTI-KLOG SPRAYER.

**Guaranteed to Give Entire Satisfaction and Guaranteed for Five Years Against Breakage.**

Highly efficient for all spraying purposes. Convenient and practical for use in Orchard, Garden, Conservatory, House, Barn and Chicken Yard. It is without question the most successful machine of its kind now on the market. It is so well constructed and at the same time so simple in construction that you will not experience any trouble with this machine. The Anti-Klog is the one practical, convenient and effective automatic hand sprayer for both general and specific spraying purposes. There are no complicated parts to get out of order or go wrong. It is **always** ready for use. The Anti-Klog ends all spraying troubles. It excels at all points where difficulties are encountered with spraying devices. The Spray Nozzle makes it difficult for any mixture, even heavy whitewash, to clog up the orifice. The Anti-Klog nozzle construction alone makes it worth much more than any spraying machine of its size that is sold—only in the Anti-Klog can you buy this construction.

**THE ANTI-KLOG GUARANTEE**—WE GUARANTEE all our Sprayers to be mechanically perfect. We warrant every one of them to be free from defects of material and workmanship. Any part found to be defective will be replaced without charge. Any part which breaks with reasonable usage, within five years from date of sale, will be replaced without charge—and we will leave it entirely with the user to say whether the part broke under reasonable usage or not. All we ask is that you be sure it is broken. Always write us before returning any part.

The Anti-Klog Sprayers are made of special heavy triple galvanized steel which will withstand the acids used in the various spraying mixtures in a most satisfactory manner. We can also supply brass sprayers, if preferred.

All Anti-Klog Sprayers are furnished with the Anti-Klog Mist Nozzle, two adjustable tips for the Mist Nozzle and three feet of special high pressure, acid proof, three ply hose, with nozzle attached and shoulder straps.

## PRICES OF THE ANTI-KLOG SPRAYER AND ACCESSORIES.

3 gallon steel Anti-Klog Sprayer, complete.....	\$6.00, not prepaid.
5 gallon steel Anti-Klog Sprayer, complete.....	\$8.00, not prepaid.
Two foot Extension Rod (brass).....	50c, not prepaid.
Anti-Klog Whitewash Nozzle.....	90c, not prepaid.
Anti-Klog Bordeaux Nozzle.....	\$1.00, not prepaid.
Anti-Klog Mist Spray Nozzle.....	\$1.00 not prepaid.
Extra Length of Hose.....	per foot 20c, not prepaid.
Metal Hose.....	per foot 40c, not prepaid.



Whitewash Nozzle.

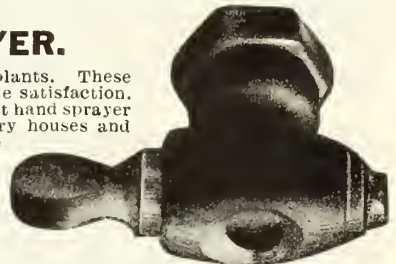
New Anti-Klog Sprayer.

## COMPRESSED AIR SPRAYER.

Very similar to the above machine in construction and in handling for spraying. Well made of heavy brass, holds 3 gallons, works easy and will give best satisfaction. Price: \$6.00, not prepaid.

## THE MYSTIC SPRAYER.

Just the thing for the garden and house plants. These sprayers work to perfection and are sure to give satisfaction. An all brass sprayer and will not rust. The best hand sprayer for applying liquids and insecticides to poultry houses and live stock. Price: Brass Sprayer 85c. — Same sprayer made of tin, 60c, not prepaid.



Anti-Klog Bordeaux Nozzle.

## THE CYCLONE HAND SEEDER.

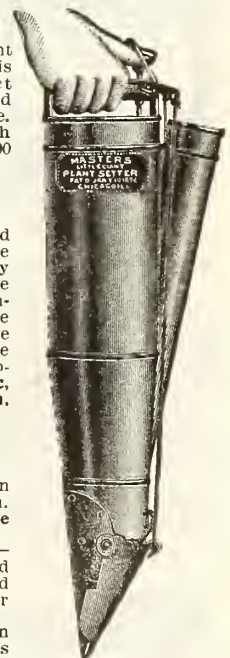
A machine which should be on every farm, as it is a great labor saver, taking the place of a large grain or seed drill. It is simple, light but strong, and with ordinary care will last a life time. It will sow Timothy, Clover, Millet and Grass Seeds of all kinds as well as Flax, Wheat, Rye, Oats, Buckwheat, Turnips, Corn, Bone Dust, and all other seeds and fertilizers perfectly even. Any desired quantity, from one quart to three bushels, can be sown per acre by following the directions on every machine. This seeder will pay for itself in the saving of seed and labor in one-half hour's use. It is substantially built and will last a lifetime. Fully guaranteed to give satisfaction. Weight 4 lbs. Price: Only \$1.50. — This seeder we offer as a premium with \$20.00 worth of Clover-Grass Mixtures ordered from pages 17, 18 and 19, at Catalog prices.



## THE "RAPID" PLANT SETTER.

**THE ONLY HAND MECHANICAL PLANT SETTER ON THE MARKET.**

Is built on scientific principles thruout. Its conical jaws are made of heavy sheet steel and the main body or water reservoir and plant tube of heavy tinned plate. The water valve is of brass with rubber packing. The machine is well put together and will last for years. No stooping when using it, therefore no lame back. All kinds of plants such as Cabbage, Tobacco, Tomatoes, Cauliflower, Strawberries, Sweet Potatoes, Sugar Beets, etc., are set in water and covered at one operation. The plant roots are put down to the proper depth below the surface where the ground is cool and damp. You never have to wait for a shower, plants may be safely set out when large enough, regardless of the weather — no matter how dry and dusty the ground may be. Every farmer and truck grower should have one. Any man with very little practice can easily set out 7,000 to 10,000 plants each day. Our planter maintains a record of over 998 plants to grow from each 1,000 set. Shipping weight 7 lbs. Price: \$3.75, not prepaid.



"Rapid" Plant Setter.

## NORCROSS CULTIVATOR HOES.

The most useful of all garden tools. "Norcross" Cultivator Hoes and Weeders are like a human hand, the fingers of which work carefully around the delicate plants very closely without injuring them, stirring the soil to any depth and leaving it level and loose without a footprint upon it. The middle prong is often removed and rows straddled. No other type of garden tool embraces so many features. The prongs are made of best spring steel, and are detachable. The "Norcross" is the only Cultivator-Hoe having a detachable socket by means of which handle with socket may be disconnected and the Cultivator-Hoe used as a wheel plow attachment. This tool will be greatly appreciated by every farmer and owner of a garden. Price: 5 prong tool 75c, weight 3 lbs. — 3 prong tool 50c, weight 2 lbs. — Midget Weeder, 3 prongs, short handle, 25c each, weight 12 ounces. — Universal wheel hoe attachment, 10c each, not prepaid.



"Norcross" Cultivator Hoes.

## KILL - EM - QUICK — DEATH TO THE GOPHER.

**It Kills Gophers.** It's the only way—you can't trap or shoot enough to make any impression on the increase. But Kill-Em-Quick Gopher Poison will clean them out in a day. Its odor attracts them. The sweet taste suits them. The tiniest particle eaten kills instantly. Its the one **absolutely sure** way to destroy gophers, prairie dogs, squirrels, mice, etc.

**Kill-Em-Quick** is the most economical to use. It's the safest. There's no danger in preparing.— simply soak the grain over night, drain in the morning, pour the box of Kill-Em-Quick Powder in and stir thoroly. Then drop a few kernels of grain into their holes. Next day every gopher in your field will be dead. Or, if you want to collect a bounty drop the grain 4 or 5 feet from the holes. No gopher will ever travel 4 feet after eating Kill-Em-Quick.

We unreservedly guarantee that Mickelson's Kill-Em-Quick is not only the cheapest gopher poison you or any other man can use, but the **most effective you can use at any price.** Kill-Em-Quick comes in two sizes: enough for 40 acres and 80 acres; enough to kill 1,000 and 2,000 gophers. Backed by a cash guarantee. Full satisfaction or money back. Price: Two sizes, 50c and 75c, prepaid.



# INSECTICIDES AND FUNGICIDES.

The man who sprays his fruit trees, small fruit plants and potatoes intelligently is the one who will have the bumper yield to send to the market. The large increase in the number of insects and the different kinds of fungus attacking fruit trees and plants as well as potatoes throughout the country makes it absolutely necessary for the farmer and grower to protect his crop by the proper use of insecticides.

Prices quoted on this page are not prepaid. Items quoted by the pound we can send by parcel post if postage is sent according to the zone system. Be sure to allow extra postage for weight of packing.



Spraying With "Lime Sulphur Solution".

## HERRMANN'S TONICIDE.

The ideal spraying mixture for fruit and shade trees, berry bushes, tomato plants, potatoes, etc. Every farmer and gardener needs this and will find "Tonicide" a far superior article than anything put on the market heretofore. The time has passed when the potato grower and general truck gardener is satisfied with a spray material that merely kills the bugs and prevents blight. The progressive grower in these days is looking for increased profits.

Particular attention is called to the fact that Tonicide is very adhesive and will stick to the foliage firmly in spite of rain. The various Experimental Stations recommend Tonicide.—Use the "Red Label Tonicide" for fruit and shade trees, also roses.—Use the "Blue Label Tonicide" for potatoes, tomatoes, asparagus, beans, beets, celery, cabbage, cauliflower, cucumbers, muskmelons, canteloupe, onions, peas, squash, cranberries, currants, grapes, raspberries, blackberries, blueberries and strawberries. As only 4 to 6 pounds of Red Label Tonicide are used to 50 gallons of water it is cheaper in cost to the grower than making his own combination of Arsenate of Lead with Bordeaux or Lime Sulphur. Full directions on each package. When ordering Tonicide be sure to specify whether "Red Label" or "Blue Label" is wanted.

Price of Blue Label Tonicide: 10 lbs. \$2.00, 5 lbs. \$1.25, 1 lb. can 30c, not prepaid.  
Price of Red Label Tonicide: 100 lbs. \$17.50, 50 lbs. \$9.25, 25 lbs. \$5.00, not prepaid.

## LIME SULPHUR SOLUTION.

This is a universal fungicide and insecticide for destroying San Jose Scale, bitterrot, apple-scale, leaf-spot, cancer worm, bark louse and mildew. Spraying should be done according to the nature of the pest before the buds open, when in full bloom, after the fruit has set, and after the leaves have dropped. Use from 1 to 1½ gallons of our Lime Sulphur to 50 gallons of water. Price: 1 gallon can for 70c, 5 gallon can for \$3.00, ½ barrel for \$7.50, not prepaid.

## BORDEAUX MIXTURE.

This is the greatest remedy against potato blight which so often destroys our potato crops. The first sign of blight is when the leaves begin to curl and get yellow spotted which spreads quickly until the entire plant is wilted, before the potatoes are one third matured. This blight can be prevented entirely by spraying with Bordeaux Mixture. Bordeaux spraying also prevents mildew and other fungus on small fruit. By adding Arsenate of Lead, described below, one can spray for potato bugs at the same time. Thin 3 to 4 pounds of Arsenate of Lead gradually and add this to the Bordeaux Mixture. Stir well and your spray is ready. Bordeaux Mixture is diluted 25 to 50 times with water. Full directions with order. Price: 1 quart can 40c, 1 gal. can \$1.00, 5 gal. can \$4.50, not prepaid. If shipped alone add 15c for boxing. Cannot be shipped during extremely cold weather.

## ARSENATE OF LEAD.

This is a general insecticide for all leaf-eating insects and is superior to other poisons because it contains the arsenic in exactly the right proportion and the proper chemical combination, thus insuring a material that will not scorch or injure the foliage, but is sure death to insects feeding on the leaves. It is extremely immiscible in water and will combine readily with Lime Sulphur and Bordeaux Mixture. Very effective on account of its adhesiveness. On small fruits and shrubs use 2 to 3 pounds to every 50 gallons of water. Price: One pound jar 25c, 5 lb. jar \$1.00, 10 lb. keg \$1.75, not prepaid.

**PARIS GREEN**—A poisonous powder, indispensable on the farm or garden for preventing the ravages of potato bugs, codling moth, worms, caterpillars, slugs and bugs. Applied as a powder on plants and shrubs it should be mixed with plaster or flour, 100 parts to 1 part of Paris Green; in solution mix 1 to 3 pounds in 50 gallons of water according to the nature of spraying. We offer high grade pure Paris Green. Price: ½ lb. package 16c, pound 28c, 5 pounds \$1.25, not prepaid. Write for prices on larger quantities.

**FISH OIL SOAP**—(Commonly called Whale Oil Soap). Makes an excellent wash for trees and plants where insects and eggs affect the bark. Also smeared on trees to prevent worms crawling up. 1 lb. carton 25c, 5 lbs. bulk \$1.00, not prepaid.

**SLUG SHOT, HAMMOND'S**—A combination of the most potent insecticides and soluble plant foods. It destroys all insects injurious to house and garden plants, shrubs, trees, vines, potatoes and other vegetables as well as small fruit plants; tho poisonous to insects, does not injure the foliage in the least. Price: 5 lbs. 40c, 10 lbs. 75c, 25 lbs. or more at 6c per lb., not prepaid. — Slug Shot in 1 lb. cartons with perforated top, ready for use, each 15c, not prepaid.—Each 30c, prepaid.

**SULPHO TOBACCO SOAP**—A cheap, effective and harmless insecticide, quickly exterminating all insect life on plants and flowers, in and out of doors and acts as a valuable fertilizer, reviving plant life. Rids the house of cockroaches, and is a superior wash for all animals. Prevents poultry lice. Price: 3 oz. cake, sufficient for ½ gallons prepared solution, 10c, not prepaid.—Prepaid 13c.—8 oz. cake, 20c, not prepaid.—Prepaid, 30c.

**HELLEBORE, Powdered**—For the destruction of slugs, worms, caterpillars, etc. Less poisonous than Paris Green and safer against currant worms, to be dusted on while the plants are wet from dew or rain. Can be used as a powder or dissolved, 1 oz. in 3 gallons of water. Price: Lb. 25c, 5 lbs. \$1.00, 10 lbs. \$1.75, not prepaid.

**FLOWERS OF SULPHUR**—This is a very effective and at the same time a very inexpensive remedy against lice on chickens and other fowl. A little of this mixed in with wood ashes for dust bath will keep chickens free from lice. The fumes of sulphur scattered on a shovelful of burning coal kills insect life and disease germs. Price: Lb. 10c, 10 lbs. 75c, 25 lbs. \$1.60, not prepaid.

**TOBACCO DUST**—Destroys rose bugs, lice, cut-worms, vine bugs, tomato worms, currant worms, cabbage lice and parasites of all descriptions. Should be applied when foliage is wet. Also used as a fertilizer for plants and vines, causing a healthy, vigorous growth; will not injure the plants. Lb. 10c, 5 lbs. 40c, 10 lbs. 75c, 100 lbs. \$4.00, not p'd.

**KEROSENE EMULSION**—A safe and sure remedy for all Lice and Flies that infest plants and trees. It will destroy the Mealy Bug, Squash Bug, Oyster Shell Scale and all insects taking their nourishment openly so as to be within reach of actual contact with insecticide. It is put up in concentrated form, and dilutes with water from 10 to 30 times its bulk. Apply with a sprayer. Price: One quart can 40c, one gallon can \$1.00, not prepaid.

**LIVE STOCK TONIC**—This preparation consists entirely of matter such as medicinal herbs and roots in powder form, compounded in the right proportion to aid digestion, purify the blood and to keep the body in a healthy condition. It not only creates a good appetite but also helps to build bone and muscle, and increases the weight of live stock wonderfully. With the aid of this digestion compound, run-down stock, such as cows, hogs and horses can be built up in a very short time, and are fit to be entered at the Pairs and Live Stock Shows. Ration for Horses, Cows and Steers ½ pound, mixed with other feed once a day. For young animals about one-half of this quantity. For young pigs, as soon as weaned, one tablespoonful mixed in the feed or swill. For larger pigs feed according to size, two tablespoonfuls to ½ pound per day. To stimulate the egg production of poultry add ¼ pound to every 4 quarts of mash. Price: 5 pounds 75c, 10 pounds \$1.20, 25 pounds \$2.50, 50 pounds \$4.00, not prepaid.

**"HUMANE" DEHORNING PENCIL**—To dehorn calves makes them more gentle, they can be fed in a much smaller space, and it don't take half the room to house them in the winter; they will sell for \$2.00 more per head if dehorned. Sawing horns off of cattle is barbarous, and it should be stopped by dehorning them while young. Calves should be dehorned when 5 to 20 days of age, 5 to 10 preferable. Every pencil is warranted to dehorn 40 calves, if used according to directions. It acts without pain or loss of appetite. The manufacturer agrees to forfeit \$5.00 for every calf from 5 to 20 days old which his dehorning pencil fails to dehorn. Price: Per pencil 60c, 3 for \$1.50, postpaid.

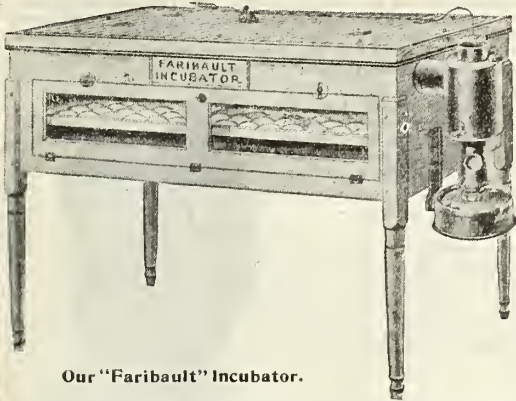
**GARDEN TROWEL**—An indispensable tool to everyone who has a vegetable and flower garden. The "Never-break" trowel is extra heavy, strong and durable and price is very low. Five inch trowel 10c, not prepaid. Weight 1 pound. If wanted by mail, add postage.



Calf Dehorned With Dehorning Pencil.

# INCUBATORS AND BROODERS.

## The Faribault "Double Wall" Incubator.



Our "Faribault" Incubator.

Our Faribault Incubators are built of first class clear Redwood, well seasoned, and perfectly dried lumber thruout. They are double walled with a half inch dead-air space between. The outer walls are one inch thick. On the inner side of each is placed a heavy layer of 3 ply rosin-sized ouilding felt. This brings the total thickness to two inches; the dead air acting as an insulator, assists in retaining a uniform temperature in the egg chamber. The tops and bottoms are constructed with double lumber and a heavy layer of asbestos additional. Redwood or other odorless wood, only, is used in the inner case construction. The outer case is made of clear selected California Redwood, which is filled and varnished, leaving same in a most attractive natural wood finish, resembling the finest Rosewood. There are no knotty or otherwise defective boards used in making our incubators. The door is fitted with double glass (air space between) thru which the thermometer can be easily read

**SYSTEM OF HEATING**—We furnish combination hot-water and hot-air heaters with our incubators. These have been proven most economical in the consumption of oil, heating the chamber in one-third the usual time, and maintaining a uniform temperature. A large copper hot-water tank is used and the surplus hot-air is utilized by a coil of pipe circling around the top of the machine.

**TEMPERATURE IN THE EGG CHAMBER**—In no other incubator can the temperature be retained so uniformly as in the "Faribault". The combination heating system is the only practical one, as it eliminates overheated centers and cold corners. The hot-water boilers and tanks are constructed of heavy cold rolled copper, and will stand 20 years service or more.

**OUR SAFETY LAMP**—The burner is of heavy brass, provided with ventilating tubes extending from oil-chamber to top of wick, and carrying off all gases. The oil fount is of heavy galvanized iron, is extra large, and fitted with a galvanized chimney containing mica window. There is absolutely no danger of explosion or catching fire with our safety lamp. The flame is always in sight without removing lamp or chimney.

**THE NURSERY**—A nursery for the newly hatched chickens is fitted under the egg trays of our "Faribault" incubators. Here the chicks can be housed, warm and comfortable for 36 hours before introduction to the brooder.

**REGULATION OF TEMPERATURE**—We use the compound Hydro-Wafer Regulator on our "Faribault" incubators. Thru years of experience, we have found this to be the most reliable regulation. It is easily adjusted and positively regulates the temperature to within a fraction of a degree thruout the entire period of incubation.

**CAPACITY**—We make two sizes, with 120 and 240 respective, eggs capacity. The most practical size to buy is the 240 egg machine, even though you want to hatch but 50 or 100 eggs, it has been proven that the large machines give the better satisfaction, especially in regard to regulating and ventilating. However, both machines are built alike and have the same improvements.

**PRICES**—You can't buy a better incubator than the "Faribault" but you can pay a better price for a poorer incubator.  
 No. 1—Capacity 125 eggs, weight crated 100 pounds.....\$12.50. No. 2—Capacity 250 eggs, weight crated 140 pounds.....\$15.00.

**NOTICE**—We furnish with each "Faribault" incubator the following parts:  
 One high grade tested thermometer. One egg tester. Chimney and Swing Lamp bracket.  
 One safety lamp, with heavy brass burner. Egg trays. Double wafer automatic regulator and complete directions

## FARIBAULT JUNIOR INCUBATOR.

For those who want a lower priced incubator, we have constructed our "Faribault Junior." This is in every way a practical machine, and for the price we ask you cannot duplicate it anywhere. It has double walls thruout, extra well made of seasoned wood, and is fitted with a double glass door. The outer wall is of first class dressed lumber, lined with a heavy layer of insulating felt; the inner wall is of a special composition board.

The "Faribault Junior" is a hot water machine, otherwise its system and fixtures are the same as used in our "Faribault" machine. You run no risk with this incubator, we guarantee it to give satisfaction if instructions are followed, or return your money thirty days after making your first hatch.

**PRICES**—No. 11, capacity 245 eggs, weight crated 100 pounds....\$11.50. No. 12, capacity 125 eggs, weight crated 75 pounds.....\$9.75.

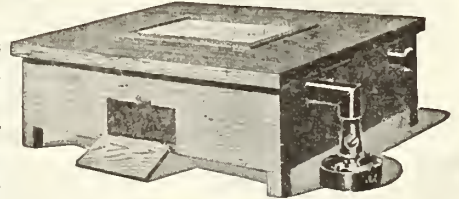
## HOT WATER INDOOR BROODER.

This brooder is made very much like the hot air indoor style with the exception that it is fitted with a hot water tank and boiler made of heavy cold rolled copper similar to the tank we use in our incubators. The boiler and lamp are on the outside, therefore no smoke or foul air has any chance to get into the brooder. This brooder has two apartments, one is the hover, the other the exercising room.

There is at all times a circulation of the hot water in the boiler and tank; the cooler water goes back into the boiler to be re-heated and then passes thru machine again.

### PRICES OF "FARIBAULT" HOT WATER INDOOR BROODERS.

No. 7—Capacity 120 chicks, copper tank, weight crated 60 pounds.....\$6.00.  
 No. 8—Capacity 240 chicks, copper tank, weight crated 85 pounds.....\$7.50.  
 All extras, such as safety lamp, burner, thermometer, instructions, are included.



Indoor Brooder.

## HOT AIR INDOOR BROODER.

This brooder, altho strictly first-class, is sold at a very low price direct from factory to user. The heat is carried thru pipes made of galvanized iron run along top of brooder thus giving top heat to the chicks. Thru a novel arrangement this fresh air is first warmed before it can enter the brooder, a very important feature. The window is on top of machine and therefore chicks cannot crowd against it, and we also get more light and sunshine right into the brooder.

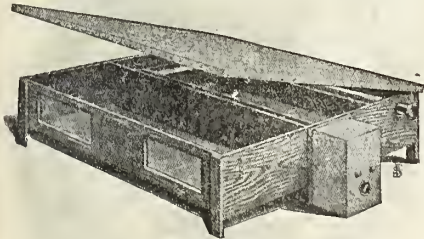
The safety lamp has a large oil fountain, provided with the highest grade burner, and same being on the outside is always in sight and easy to attend to. We are positive that this brooder cannot be excelled by any other that is heated by hot air, and can highly recommend same.

**PRICES OF HOT AIR INDOOR BROODERS:**—  
 No. 5—Capacity up to 120 chicks, weight crated 50 pounds.....\$5.00  
 No. 6—Capacity up to 240 chicks, weight crated 75 pounds.....\$6.00

## THE FARIBAULT OUTDOOR BROODER.

This brooder has three apartments, one for the lamp; no fumes or smoke from the lamp can enter the brood chambers. The brooding chamber is separated by a curtain, into two apartments, one is from 10 to 15 degrees warmer than the other, thus, if it is too warm for the chicks under the hover, they come out into the feeding apartment. The heating pipes are over head, attached all around near the ceiling of brood chamber. The heat is, therefore, applied from the top downward which is the natural and only sensible way, the same as the hen applies the heat. We use the new "T" shaped Cone radiator over the lamp chimney, so that the heat from the lamp strikes the under surface of this, which radiates it into the heating pipes. This positively eliminates any chance of trouble by the lamp blowing out or exploding, as any back drafts which might get into the pipe, blow down the sides of the chimney instead of into it. This makes the "Faribault" the most perfect brooder for outdoor use. There are large glass windows in the feeding apartment, which let in plenty of light and sunshine so much desired.

No. 9—Capacity 120 chicks, with galvanized iron roof, weight crated 75 lbs.....\$6.25.  
 No. 10—Capacity 240 chicks, with galvanized iron roof, weight crated 110 lbs.....\$7.50.



Outdoor Brooder.

All our brooders are shipped complete, with all fixtures, including heater, safety lamp, thermometer, curtain, full directions, etc.

### ALL REPAIRS FOR ABOVE MACHINES AT LOW PRICES.

The setting of Rhode Island Red eggs arrived in fine condition some time ago. I now have eleven fine chicks, just four weeks old today. Am well pleased with the little flock. Thanks for your trouble and kindness.

MRS. J. MYERS  
 Ridgclawn, Mont.

Am well pleased with the Brooder received from you, obtained the best results with the machine.  
 FRED L. FINCH, Dell Rapids, S. D.

Shipment of eggs arrived here in best condition, also the oyster shells. Thanks for promptness.  
 C. G. HACKBARTH, Anselmo, Neb.

# THOROBRED POULTRY.

No man can have a real farm without chickens and no progressive farmer can afford to have any but pure-bred stock. The foundation strains of all our flocks is what we consider the best to be had in the whole country; we have not spared expense and some of our breeding pens have cost us well upwards of a hundred dollars. While we have tried to breed birds that would make winners in the show room, and have succeeded as our ribbons demonstrate, we have never lost sight of the fact that the mission of the chicken is first to lay eggs, and the breeding of layers is our first aim. We have succeeded in that too and the weather is never too cold for our hens to furnish the table with fine large eggs.

All orders for stock or eggs must be accompanied by cash. We do not ship eggs before March 15th, as satisfactory fertility from any flock is questionable before that time. Every care is used in collecting and packing eggs for hatching against chilling or breaking, and we deliver orders in good condition to express company, the customer to pay charges. In matter of fertility, we will replace all orders at one-half price where there are five or more clear eggs in a setting (15 eggs) on the 10th day of incubation.

## CRYSTAL WHITE ORPINGTON.

This fine large fowl is in great demand at the present time and is considered to be one of the very best and most extensively bred. They have single comb, fleshy colored legs and skin. The Orpingtons are an excellent general fowl. They are next to the non-sitting varieties for layers and produce more winter eggs than any other breed. They are good sitters, yet not persistently broody. Chicks are hardy, active and easy to raise. They mature early and are splendid for broiler purposes. Eggs from "Utility" pen, \$2.50 for 15, \$6.25 for 50.—Eggs from "Select" breeding pen, \$4.50 per 15.

## BUFF ORPINGTON.

These fowls are similar to the White Orpingtons, but are buff thruout and breed true to color. They are excellent layers. Price same as White Orpington.

## SINGLE COMB RHODE ISLAND RED.

A beautiful American breed which has in a comparatively short time become one of the most popular. They are of good size and are excellent nesters—in fact were originated for laying purposes only, and afterwards bred up to their present rich coloring. A lover of poultry can find more pleasure and profit in breeding this variety than any we know of. Our Reds we procured from the finest prize-winning strain obtainable and they are "Reds that are red". They are great layers, very healthful, easy to raise and to take care of. Eggs from Utility pen, \$2.00 for 15, \$5.00 for 50.—Eggs from Select breeding pen, \$3.00 per setting of 15.

## ROSE COMB RHODE ISLAND RED.

Very similar to the Single Comb breed, but combs are low down and double. They are splendid setters, good, kind, quiet mothers and excellent foragers when on range. Price same as Single Comb Rhode Island Red.

## WHITE WYANDOTTE.

This recognized dual-purpose fowl is one of our best layers and is raised more for broilers and roasters than any other, as they grow fast and are attractive on the market. The Wyandotte hens are fine setters and persist in laying during the cold weather as well as in the moult. They are gentle and close in habits and are therefore fine for the small run or city lot, altho there are none better for the farm. The pullets mature early and produce the eggs. Eggs from Utility pen, \$1.75 for 15.—Eggs from Select breeding pen, \$2.50 for 15.

## BARRED PLYMOUTH ROCK.

This old stand-by breed hardly needs a description, except to state that there is a vast difference between the so-called Plymouth Rocks too often seen, and a thorobred with its true blue, even bars and perfect shape—the result of years of careful breeding. Their large size and steady egg production have made them the standard general purpose fowl. Eggs from Utility pen, \$1.75 for 15, \$4.50 for 50.

## WHITE PLYMOUTH ROCK.

They are a strong rival of the Barred Plymouth Rocks. In the combination of profitable table birds and egg producers they are highly commended. Easily restricted and quiet, their pure white plumage and bright yellow beaks make them very attractive. Eggs from the Utility pen, \$2.00 for 15.—Eggs from Select breeding pen, \$3.25 for 15

## SINGLE COMB BROWN LEGHORN.

This active, compactly-built fowl holds the title of "egg machine" everywhere, and rightly so, for being non-setters, they waste no time, but lay continuously the year around from the time the pullets are five months old. They grow rapidly and require minimum feed and care. They are very hardy and mature early, making excellent table fowls of good weight. Eggs from Utility pen, \$2.00 for 15, \$5.00 for 50.

## ANCONAS — Mediterranean.

In introducing Sheppard's Famous Anconas we need to say very little beyond the fact that this is the only breed of chickens that ever succeeded in laying more eggs per hen than some of the Leghorn varieties. We have an authentic record of one of Mr. Sheppard's flocks which averaged 256 eggs per hen in one year. The 200 egg hen is still the aim of most poultry keepers but here is one that goes far ahead even of that. The Ancona is a beautiful bird, a trifle larger than the other Mediterranean breeds, a black body with every fifth feather tipped with white, red comb and wattles with white ear lobes; very erect in carriage, splendid "rustler" for food but doing equally well in confinement. Eggs from Utility pen, \$2.50 for 15.

## WHITE LEGHORN— Large Strain.

Resemble the Brown Leghorns very closely except in color and they are somewhat larger in size. They begin laying when about four months old and if properly attended to will furnish eggs all winter and summer. They have beautiful white plumage. Eggs from Utility pen, \$2.00 for 15, \$5.00 for 50.



Crystal White Orpington.



White Wyandotte.



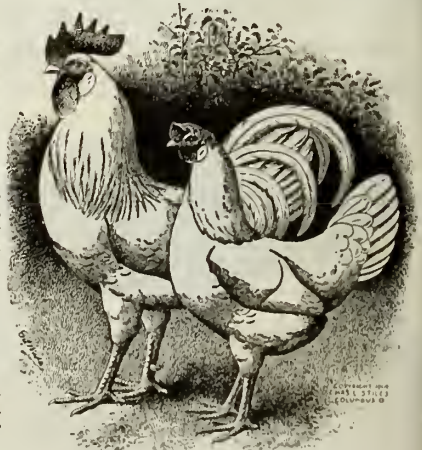
Rhode Island Red.



Anconas.



Barred Plymouth Rock.



White Leghorn.

# POULTRY SUPPLIES AND REMEDIES.

**OUR BALANCED-RATION POULTRY FOODS**—These prepared poultry foods contain only those sweet, sound grains, which will be eaten up clean and with a relish by all poultry, mixed with the right proportion of charcoal, ground bone, shell, etc., to balance the food in order to aid digestion and produce the best results. We find that it pays to feed a balanced ration, even tho it may seem a little higher in price than screenings, etc., when you figure it down to the real nutriment contained in both, our prepared foods will not only be found cheaper but more productive of desired results and in the shortest space of time. We put up our **Balanced-Ration Poultry Foods** in two mixtures, "Fine" and "Coarse". They contain the percentage of protein required and are very reasonable in price, considering the high prices of all feed stuffs.

**Balanced Ration Poultry Food, "Fine"**—For little chicks. 25 lbs. 75c, 50 lbs. \$1.15, 100 lbs. \$2.00.

**Balanced Ration Poultry Food, "Coarse"**—For growing chickens & laying hens. 50 lbs. \$1.00, 100 lbs. \$1.85.

**Balanced Ration Baby Chick Food**—To be fed first 3 to 4 weeks. This is what your chicks need—get them started right. A wholesome, properly balanced food that will nourish the chicks, making them grow rapidly. 10 lbs. 35c, 25 lbs. 75c, 50 lbs. \$1.25, 100 lbs. \$2.25.

**BALANCED - RATION POULTRY MASH**—A carefully selected mixture of ground feed, manufactured from the choicest, sound, sweet and wholesome grain, and especially desirable for production of eggs. 10 lbs. 35c, 50 lbs. \$1.25, 100 lbs. \$2.25.

**CRUSHED OYSTER SHELL**—The great bone producer and natural grit. The best shell feed. Acts as a tonic to the egg production power of the hen, as it is almost pure carbonate of lime. 100 lb. sack 70c.

**CRUSHED CHARCOAL**—Keeps fowls in healthy condition, purifies the blood; aids digestion. Two sizes, coarse and fine. 25 lbs. 75c, 50 lbs. \$1.25, 100 lbs. \$2.25.

**CONKEY'S ROUP CURE**—An excellent remedy that has been successful for many years. Used in time, it will always effect a cure. Treat the first symptoms, or better still, use as a preventive by putting it in the drinking water occasionally. Your money back if it fails to cure when directions are followed. Two Sizes: 25c and 50c, Postpaid

**CONKEY'S SCALY LEG REMEDY**—Very effective, keep it on hand at all times. 30 cents, postpaid.

**CONKEY'S LICE POWDER**—For dusting fowls and in nests nothing so effective. Rids your fowls of these pests and they can use their energies for your profits. For lice or fleas on cattle, sheep or dogs. 15 oz. pkg. 25c; 3 lb. package 50c, not prepaid.

**CONKEY'S BLACK HEAD REMEDY**—Price 50c, postpaid.

**CONKEY'S CHOLERA REMEDY**—For all forms of indigestion and cholera. Placed in drinking water. Directions on box. Two sizes, 25c and 50c, Postpaid.

**CONKEY'S WHITE DIARRHEA REMEDY**—Very successful, both as remedy and preventive. We advise using this with all incubator chicks as an extra precaution. Easily given as it is put right in the drinking water. 50c, postpaid.

**CONKEY'S POULTRY TONIC**—For fowls run down, off feed, recovering from disease or during moulting season. Not a food but a medicinal preparation. Keeps hens in the best laying condition. Price 25c and 50c, per package.

**SANITARY TWO PIECE DRINKING FOUNTAIN**—Furnishes a constant supply of fresh water which chicks cannot overturn nor get into. Fount is well made of 28-gauge black iron, galvanized after fount is completed; this protects all edges from rusting. No parts to get out of order. 2 qt. capacity, each 25c, 4 qts. each 45c, not prepaid.

**SANITARY DROP BOTTOM FOUNTAIN**—Made of 28-gauge galvanized steel. Easiest to open and clean. You simply hold the fountain with one hand, release the spring with the other hand, and the bottom swings easily open on the "always free from rust" brass hinge rod. The most sanitary fountain on the market. One gallon size. Each 60c, not prepaid.

**SANITARY ROUND BOTTOM DRY FOOD HOPPER**—The round bottom of this food hopper keeps dry mash or beef scraps easily within the reach of fowls. Because of this feature the food cannot clog in the corners and become stale. This hopper has a lid, so that it can be closed during the forenoon, which is generally desired by poultrymen. Made of 28-gauge galvanized steel, with all turned edges painted green to prevent possibility of rusting. Capacity 8 quarts, each 75c, not prepaid.

**SANITARY ROUND BOTTOM GRIT AND SHELL BOX**—Most grit and shell boxes have square bottoms, while this grit and shell box has a round bottom, which prevents the fine particles of shell and grit clogging the corners. Can be set on floor or hung on wall. A winner for 50 cents. Capacity 5 quarts. Each 50c, not prepaid.

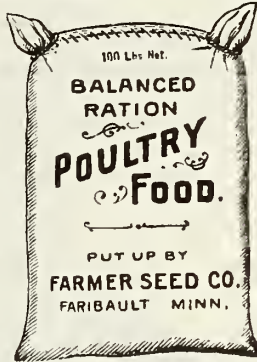
**SANITARY CHICK FEED TROUGH**—The only round-bottom trough made. No trouble to keep them clean. The grate slides on and off very easily—a feature not found in other troughs. The grate also serves as a handle, and is so slanted that the chicks cannot roost on it. Size 20 inches, capacity 4 quarts. Each 50c, not prepaid.

**SANITARY BROOD COOP**—Rain, Rat and Vermin Proof. A complete home for the hen and her brood. Every poultryman and every farmer especially will easily see the merits of this brood-coop and will want at least one of them. Made with removable bottom for sanitation. Three swinging doors, one for ventilation only, one to keep the hen inside and give the little chicks their liberty and one for absolute protection against animals and weather. Made of heavy galvanized iron in collapsible form, easy to ship and easy to set up. Size 16x24x16. Each \$1.85, not prepaid.

**PHILADELPHIA POULTRY MARKER**—Well made, with steel spring and cutter, nickelplated. 25c each postpaid.

**FARMERS CAPONIZING SET**—Poultrymen can double their profits by Caponizing. The operation is very simple, the instructions are so full and explicit that any man, woman or child, after careful reading, will be able to perform the operation. It is highly successful from every point of view. The demand for Capons far exceeds the supply, the price per pound being twice as much as for ordinary chicks. Price, complete, with instructions, \$3.25 prepaid.

**DIAMOND EGG BOXES**—Cheapest and Best, Lightest and Strongest. Saves you money in cost, time, safety, space, weight, express or parcel post. The Diamond Egg Box is something new. The peculiar construction of the box in V-shaped wedges enables us to make it of very light material, still retaining great strength. It is easily put up. A child can put them together and pack the eggs. If properly packed, the Diamond Egg Carrier can be dropped a distance of 6 feet and not harm the eggs. No extra wrapping necessary. Price of boxes for eggs for hatching: 15 egg size, per doz. \$1.75, 25 for \$3.35, 30 egg size, per doz. \$2.90, 25 for \$5.50. Parcel post boxes: 12 egg size, per doz. \$1.25, 25 for \$2.45; 24 egg size, double strength per doz. \$2.00.



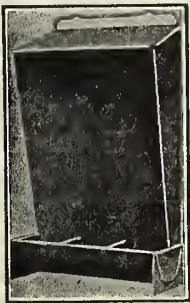
**BALANCED-RATION EGG MASH**—Nothing is better to stimulate egg production than one feed daily of this mash, and it does it naturally, for it furnishes just those elements a hen desires and must have to produce eggs. 10 lbs. 45c, 50 lbs. \$1.35, 100 lbs. \$2.50.

**ALFALFA MEAL**—Furnishes green dried vegetable matter, rich in protein, and particularly well adapted for feeding all kinds of fowls. Finely ground; easily mixed with mash feeds. 10 lbs. 35c, 50 lbs. \$1.15, 100 lbs. \$2.00.

**BLOOD MEAL**—A pure blood meal, containing a very high percent of protein, generally acknowledged to be one of the best developers and egg producers. 10 lbs. 50c, 25 lbs. \$1.15, 50 lbs. \$2.00, 100 lbs. \$3.75.

**BEEF SCRAPS**—Recommended especially for laying hens, ducks and geese. Also promotes rapid, healthy growth with all growing birds. 25 lbs. \$1.10, 50 lbs. \$1.90, 100 lbs. \$3.50.

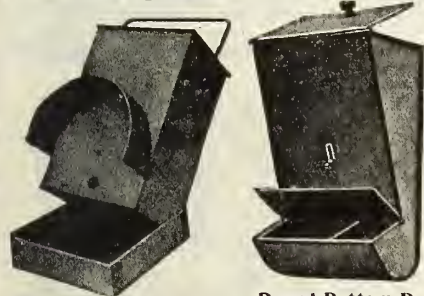
**GRANULATED BONE**—Clean and sweet. Manufactured from fresh green bones and thoroly dried. 50 lbs. \$1.60, 100 lbs. \$2.85.



Grit and Shell Box.



2 Piece Drinking Fountain



Drop Bottom Fountain.

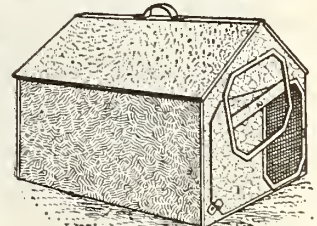
Round Bottom Dry Food Hopper.



Chick Feed Trough



Poultry Marker.



Sanitary Brood Coop.



PILLING-FARMERS CAPONIZING SET  
G. P. HILLING & SON CO.  
PHILA. PA. U.S.A.

# NEW PREMIUMS AND SPECIALTIES.

## GIVEN TO OUR CUSTOMERS.

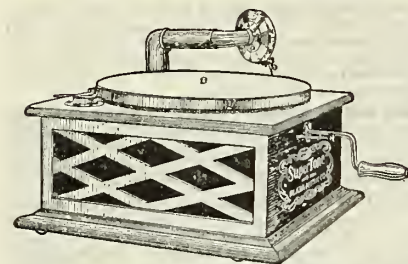
We have added several new premiums this year which we feel sure will be appreciated by young and old. With a little effort on your part it will be an easy matter to secure one or more of these premiums. Should your individual order not be large enough to secure the desired article, call on your friends and neighbors and get their orders. You will be well repaid for your efforts by the high grade premiums we are offering

### HOW TO CLASSIFY YOUR ORDER.

**CLASS 1**—Consists of Vegetable or Flower Seeds in packets, ounces, half-pints and quarter-pounds. All collections are excluded.

**CLASS 2**—Means an order for our Clover-Grass Mixtures as listed on pages 13, 14 and 15.

**CLASS 3**—Will include Seed Grains, Seed Corn, Seed Potatoes and hulk Garden or Flower Seeds not classified above.



Supertone Hornless Phonograph.

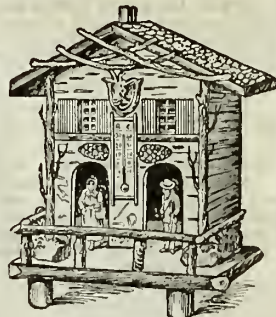
**NOTE**—Alfalfa, Timothy and Clovers are not included in the above classes and no premiums can be allowed on these seeds. Nor can we allow premiums on special offers or quotations, on orders of any class.

## Supertone Hornless Phonograph And One Dozen Records.

Here's a premium really worth striving for. A strictly high grade Talking Machine equal to any \$25.00 retail machine on the market. Mechanism perfect and finished in fine mahogany. Will play two 10-inch records without re-winding, plays Victor, Columbia or Little Wonder Records. Size 12 x 12 x 5 1/4. There is bushels of fun in this machine for young and old.

See how easily you can get this wonderful machine, together with one dozen selected Little Wonder records and a package of needles—really a \$26.20 value. Our price \$10.25.

**AS A PREMIUM**—With a \$10.00 order of Class 1 and \$6.50 cash; with a \$25.00 order of Class 2 and \$5.50 cash; or with a \$50.00 order of Class 3 and \$5.00 cash.



Black Forest Weather Indicator.

## Black Forest Weather Indicator.

An imported article made of birchwood bark, neatly constructed with deer head and thermometer in front. It forecasts the weather 24 hours in advance. If the forest-keeper appears, had weather will follow; if his wife, fair weather is assured. It is an attractive and interesting ornament. Size 7 1/2 inches high, 6 inches wide. Price \$1.75.

**AS A PREMIUM**—We offer this Indicator free with a \$12.00 order of Class 1, \$25.00 order of Class 2, \$35.00 order of Class 3, at catalog prices.



Lightning Mixer.

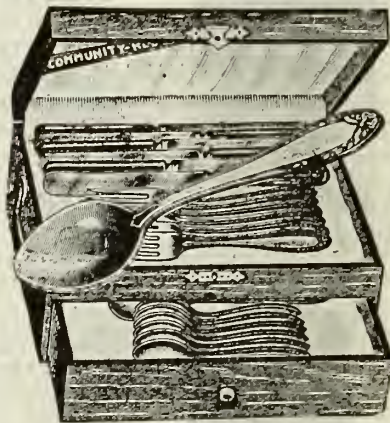
## Robert's Lightning Mixer.

A household necessity which displaces all similar inventions. Beats the white of an egg in 30 seconds. Will whip cream in from 1 to 2 1/2 minutes or churn butter in from 2 to 3 minutes. Indispensable for floats, charlotte russe, egg nogs, etc. Nickel plated cover; 1 quart size glass.

Price 50c.

**AS A PREMIUM**—Free with a \$5.00 order of Class 1, a \$7.50 order of Class 2, a \$10.00 order of Class 3.

Weight 3 lbs.



Reliance Silver Chest of 26 Pieces.

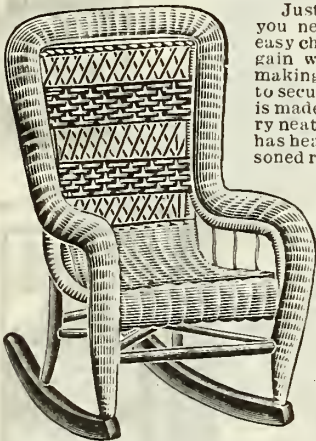
## Reliance Silver Chest, 26 Pieces.

Guaranteed for twenty-five years. This beautiful Bridal Wreath pattern is made by the famous Oneida Community Co., which is an assurance of the highest quality obtainable.

This set consists of six knives, solid handles; six forks; six teaspoons; six tablespoons; one sugar shell; one butter knife. All finished in French Gray and packed in a neat hardwood, oak finished chest. Here is a set any family will be proud to own. Price \$9.50.

**AS A PREMIUM**—With a \$10.00 order of Class 1 and \$5.75 cash; with a \$25.00 order of Class 2 and \$4.50 cash; with a \$50.00 order of Class 3 and \$4.00 cash.

## Home Comfort Reed Rocker.



Home Comfort Reed Rocker.

Just the thing for any home—you never have too many good easy chairs. This is the best bargain we ever offered and we are making it easy for our customers to secure this sensible rocker. It is made of best German reed—very neat pattern, large and roomy, has heavy roll top and sides. Seasoned rock elm frame. Maple runners; seat strong and pliable. Fully shellacked. Weight 13 lbs., wrapped. Can be had in natural, green or golden brown finish. Price \$3.25.

**AS A PREMIUM**—With a \$10.00 order of Class 1 and \$1.25 in cash; with a \$20.00 order of Class 2 and \$1.10 in cash; with a \$30.00 order of Class 3 and \$1.00 in cash.

## Keyless Wonder Padlock.

No keys to carry, lose or worry about, works like a safe, safe as a safe, can be worked in the dark, with mittens on. Whole lock contains only 8 parts, no keys required, absolutely dependable. Cannot be picked. Price 85c, prepaid.

**AS A PREMIUM**—Free with a \$5.00 order of Class 1, a \$8.00 order of Class 2, or a \$12.00 order of Class 3.

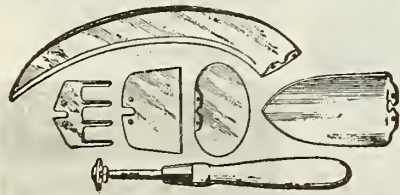


Padlock.

## Unique Garden Set.

Just the thing for the garden and flower lovers. The five essential tools every one needs, consisting of hoe, sickle, weeder, trowel and turf trimmer—all of the finest steel. This is a very practical tool in every respect. Only one strong, heavily ferruled handle is required— one turn of the wrist attaches a tool; another turn and it is ready for the next. We know many of our customers will welcome this novel premium. Price \$1.50.

**AS A PREMIUM**—Free with a \$10.00 order of Class 1, \$18.00 order of Class 2, \$25.00 order of Class 3.



Unique Garden Set. For every Vegetable and Flower Garden.

## U. S. Family Scales.

Capacity 60 pounds by 2 ounces. Finished in black enamel, with aluminum dial. Extra heavy post and top. Absolutely guaranteed at all weights. Height 10 inches. Shipping weight 12 lbs. Price \$2.00.

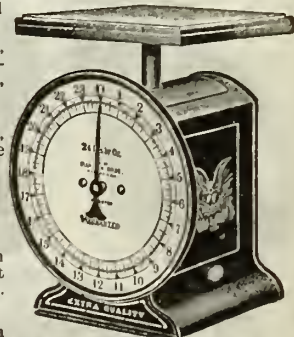
Scales with Parcel Post dial furnished if preferred.

**AS A PREMIUM**—Free with a \$15.00 order of Class 1, a \$25.00 order of Class 2, a \$35.00 order of Class 3.

### 24 POUND FAMILY SCALE.

White enameled dial. Scale in black enamel. It is light and weighs 24 pounds by ounces. Warranted correct. Weight, boxed, 6 pounds. Price \$1.15.

Free with a \$10.00 order of Class 1, \$15.00 order of Class 2, \$20.00 order of Class 3



U. S. 24 lb. Family Scale.



# HARDY NORTHERN GROWN VEGETABLE SEEDS



**T**HE following list embraces the best standard varieties and such new ones which after careful tests in our trial grounds, we can recommend to possess special merit and meet with the approval of our customers.

We grow large quantities of Vegetable Seeds here on our farms, and are in fact the **LARGEST GROWERS OF VEGETABLE SEEDS IN MINNESOTA**. This is one of the most fertile sections of our state, where a great variety of vegetables are grown to perfection, and the seeds produced here excel all others by their vigor and vitality, their hardiness, earliness and productiveness. We make a specialty of raising **ONION SEED** and our seed can be depended upon to mature good large bulbs during the shortest season. The greatest attention is paid by us to those varieties which are **GROWN FOR THE MARKET** in the Northwest, and our strains will be found to be of the finest quality. Our seeds have been the standard of quality for the Northwest and other sections for the past twenty-five years.

Our shipping facilities are better than ever; we can take care of your order promptly and furnish you seeds that will give the best of satisfaction in every particular. We supply best quality only and our prices are very moderate. Owing to the unfavorable growing season the past year there are decided shortages in crops, and therefore prices rule somewhat higher. We advise our customers to order early, as some items will not be procurable at any price later in the season.

**MARKET GARDENER'S** trade is especially invited; we can please you and all we ask is to give us a trial. **Special Wholesale Price List for Market Gardeners** is sent free to all who buy bulk seeds in large quantities.

## SPECIAL DISCOUNTS.

On all orders for seeds in Packets and Ounces amounting to \$1.00 we allow 25 cents worth of seeds extra, and if the order amounts to 50 cents we allow 10 cents worth of seeds extra. These extra seeds given as a premium can be selected only in packets and ounces. Seeds put up in quarter pounds, half pints and larger quantities are excluded from this offer, also our Vegetable and Flower Seed Collection.

With every order of \$2.00 worth of Vegetable Seeds at catalog prices we give free one year's subscription to the monthly "VEGETABLE GROWER", the leading gardener's paper for the Northwest, of interest to all who grow vegetables. This excludes the above discount.

**NOTICE:**—For the convenience of our customers we quote the prepaid prices on smaller quantities of Vegetable Seeds. When larger lots are wanted by parcels-post-prepaid, you can figure postage according to zone-rates, but be sure to allow extra for the weight of packing.—C. O. D. shipments add unnecessary expense; if wanted shipped by that method, please enclose  $\frac{1}{4}$  of the amount in remittance with order

## ARTICHOKE.

Seeds may be sown indoors and plants set out in May, or can be sown outside, and thinned out to one plant in a hill. The plants thrive best in deep, rich soil. Plants are set in rows three feet apart and two to three feet apart in the row.

**LARGE GREEN GLOBE**—The well known French vegetable. The undeveloped flower heads when properly prepared make a most delicious dish. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, prepaid.

## ASPARAGUS.

In early spring sow the seed, after soaking it 24 hours in warm water, in drills one foot apart, and one inch deep. During the summer keep the soil mellow and free from weeds, thinning the plants to 4 inches apart. The following spring transplant them into permanent beds that have been deeply dug and highly manured. One ounce of seed to 50 feet drill; five pounds to the acre.

**BONVALLET'S GIANT**—Especially recommended for home and market gardens. A strong and rapid grower, most rust proof. Furnishes large size shoots for a longer period than any other kind. Flavor unexcelled. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.40, prepaid.

**EARLY GIANT ARGENTEUIL**—Earliest large green sort, of superb flavor. Used extensively by gardeners. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.00, prepaid.

**CONOVER'S COLOSSAL**—A mammoth green sort of the best quality. Packet 5c, ounce 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c, prepaid.

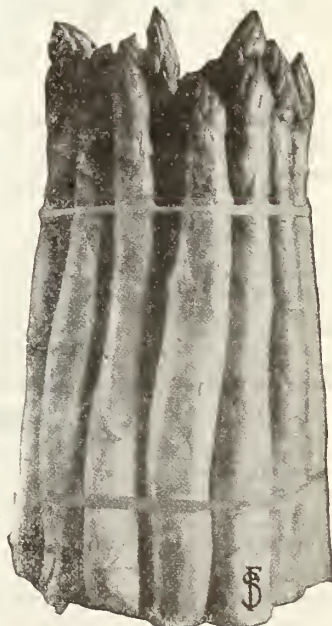
**PALMETTO**—An early, light green sort, prolific and very desirable. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c, prepaid.

**COLUMBIAN MAMMOTH WHITE**—This variety is in great demand because it furnishes white shoots. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c, prepaid.

FOR ASPARAGUS ROOTS SEE PAGE 107.

## BRUSSELS SPROUTS.

This is one of the best vegetables for winter use, producing an abundance of sprouts, resembling small cabbages; of excellent, mild flavor. By sowing in April and planting out in July, it may be had in fine condition until Dec, and in the South from Nov. to March. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50, prepaid.



Bonvallet's Giant Asparagus.

## BUSH BEANS. Green Podded Sorts.

**CULTURE**—Plant in drills 1½ inches deep and drop the beans 3 inches apart; the rows should be 2 to 3 feet apart. For succession plant every 2 weeks until middle of July. One quart will plant 100 feet of drill; 1½ bushels per acre.

Beans are one of our specialties, we grow a large acreage and supply only best stock while our prices are extremely moderate. **Crop Very Short—Order Early.**

**NOTICE**—To increase the yield, inoculate with "Mulford Nitro Germ", see page 8.

**BURPEE'S STRINGLESS GREEN POD**—This bean is unequalled for the home garden as well as for market. It has a combination of features that makes it the best for this purpose, being early, prolific and absolutely stringless. The pods are round, of a deep green color, straight and broad, with thick, meaty flesh. For succession plantings can be made at intervals of 2 weeks as late as August. Pkt. 10c, ½ pint 25c, quart 65c, postpaid.—Quart 50c, ½ peck \$1.75, peck \$3.25, not prepaid.

**GIANT GREEN POD**—Extra early, producing large, handsome pods, some of which measure fully six inches in length. The plants are very productive, bearing pods which are perfectly round, very fleshy, extremely crisp and entirely stringless. Pkt. 10c, ½ pint 25c, quart 65c, prepaid.—Quart 55c, ½ peck \$1.75, peck \$3.25, not prepaid.

**BOUNTIFUL STRINGLESS**—A bountiful yielder, extra early, with large, flat, tender pods which are absolutely stringless. An improved Long Yellow Six Weeks, being earlier, harder and producing many more, better and larger pods. Valuable for the market and home garden. Pkt. 10c, ½ pint 20c, quart 55c, postpaid.—Quart 40c, ½ peck \$1.35, peck \$2.50, not prepaid.

**BLACK VALENTINE**—A great improvement over the popular standard sort, Early Red Valentine, the pods being one-third longer than that variety, perfectly round and straight. A most desirable sort for the market gardener. Packet 10c, ½ pint 20c, quart 55c, postpaid.—Quart 40c, ½ peck \$1.35, peck \$2.50, not prepaid.

**KEENEY'S STRINGLESS REFUGEE**—This strain possesses all the good qualities of popular old Refugee, with its bad feature, its stringiness eliminated. The plants are enormous yielders. The pods are of a handsome appearance, nearly round, from 5 to 5½ inches long and of light green color. Refugee beans are largely used for canning and pickling. Pkt. 10c, ½ pint 20c, quart 60c, postpaid.—Quart 45c, ½ peck \$1.50, peck \$2.75, not prepaid.

**LONGFELLOW**—An extra early variety. The plants are of robust, compact habit and unexcelled in productiveness. The pods are round straight, from 6 to 7 inches long and are wonderfully tender and brittle, having no strings except when quite old. One of the best and most attractive market sorts. Pkt. 5c, ½ pint 15c, qt. 50c, p'p'd.—Qt. 35c, ½ pk. \$1.25, pk. \$2.35 not p'd.

**RED VALENTINE, EXTRA EARLY ROUND POD**—Very hardy and can therefore be sown early; they mature quickly, often being ready to pick in 45 days after sowing. Pods are round, long, fleshy, rich green in color and when gathered young are practically stringless. It is extensively grown by gardeners. Pkt. 5c, ½ pint 15c, quart 50c, postpaid.—Quart 35c, ½ pk \$1.25, peck \$2.35, not prepaid.

**FULL MEASURE**—This new main crop, green podded bean is of excellent quality, entirely stringless and exceedingly prolific. The plants are practically blight proof. The pods are round, 5 inches long, firm but tender, and remain fit for use many days after maturity. Packet 5c, ½ pint 15c, quart 50c, postpaid.—Quart 35c, ½ peck \$1.75, peck \$2.35, not prepaid.

**IMPROVED RED VALENTINE**—This is the old well known sort, which is still largely planted in many localities and is a general favorite. Pkt. 5c, ½ pint 15c, quart 50c, postpaid.—Quart 35c, ½ peck \$1.25, peck \$2.25, not prepaid.

**EXTRA EARLY REFUGEE**—Very early, hardy and productive, pods round and straight. A fine all-around bean and largely planted everywhere. Pkt. 5c, ½ pint 15c, quart 50c, postpaid.—Quart 35c, ½ peck \$1.20, peck \$2.15, not prep'd.

**LATE REFUGEE or 1000 TO 1**—An immense producer and splendid market bean in many localities, one of the best for canning. Packet 5c, ½ pint 15c, quart 50c, postpaid.—Quart 35c, ½ peck \$1.25, peck \$2.35, not prepaid.



Burpee's Stringless Green Pod Beans.



Very Hardy Extra Early Entirely Stringless Profitable Market Bean.



Burpee's Stringless Green Pod.

**EARLY YELLOW SIX WEEKS**—Another standard and well known variety. Very early, a good yielder, excellent snap bean and good market sort, of vigorous, upright growth, bearing in great profusion slightly curved pods 4½ to 5 inches in length. Pkt. 5c, ½ pint 15c, quart 45c, postpaid.—Quart 35c, ½ peck \$1.25, peck \$2.35, not prepaid.

**WHITE TEPARY**—The Desert Bean. This is the best bean for dry sections. It is a shell bean much more prolific than the navy bean, maturing quickly, sixty-five days from seeding to harvest, making it valuable as a catch crop. Not subject to diseases. The beans are of clear white color, they cook well and are of delicious flavor. For the dry sections of South and North Dakota, Montana, Colorado, etc., the White Tepary is a sure money making crop. Be sure to try this excellent variety. Packet 10c, ½ pint 20c, quart 50c, postpaid.—Quart 35c, ½ peck \$1.20, peck \$2.25, not prepaid.

**BOSTON PEA BEAN**—An improvement over the old Navy Bean. A very prolific field bean, and largely grown in all sections where field beans are grown in a commercial way. Packet 5c, ½ pint 15c, quart 40c, postpaid.—Quart 25c, ½ peck 85c, peck \$1.50, bu. \$5.00, not prepaid.

**LARGE WHITE MARROW**—Excellent as a shelled bean for home use and market, the best cooking bean of all. The beans are ivory white and twice as large as the Navy. Packet 5c, ½ pint 15c, quart 45c, postpaid.—Quart 30c, ½ peck \$1.00, peck \$1.75, bu. \$6.25, not prepaid.

## BUSH LIMA BEANS.

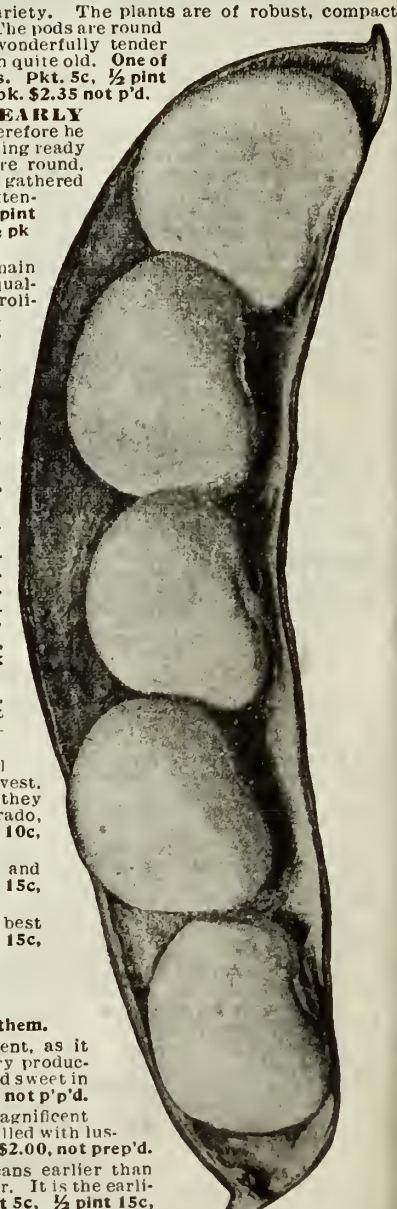
These Bush Lima Beans cannot be recommended too highly; no home garden should be without them.

**FORDHOOK BUSH LIMA**—This new dwarf form of the Potato Lima is a great improvement, as it grows stiffly erect, bearing the pods well above the ground. The Fordhook matures early and is very productive. The pods measure 4 to 5 inches and contain 4 to 5 large beans. The beans are tender, juicy and sweet in flavor when cooked. Pkt. 10c, ½ pint 20c, quart 50c, postpaid.—Quart 35c, ½ pk. \$1.15, pk. \$2.00, not p'p'd.

**BURPEE'S DWARF LIMA**—The plants grow 18 to 20 inches in height, and develop into magnificent circular bushes from 2 to 3 feet in diameter and are immense yielders. The pods are large and well filled with luscious beans of large size. Pkt. 10c, ½ pint 20c, quart 50c, postpaid. Quart 35c, ½ peck \$1.15, peck \$2.00, not prep'd.

**HENDERSON'S BUSH LIMA**—A perfect bush, about 18 inches high, maturing its first beans earlier than the Pole Limas. The beans are of the size of the Sieva or Small Pole Lima, and are of delicious flavor. It is the earliest of the Bush Limas and a reliable cropper. Withstands drought to a remarkable degree. Packet 5c, ½ pint 15c, quart 45c, prepaid.—Quart 30c, ½ peck 95c, peck \$1.75, not prepaid.

Bush Lima Beans Continued On Next Page.



Imp. White Bush Lima.

## BUSH BEANS. Wax or Yellow Podded Varieties.

**NOTICE:**—Crop is the shortest ever harvested—ORDER EARLY.

**F. S. & N. CO'S FARIBAULT KIDNEY WAX**—Strong, robust plants. Immense pods. Absolutely stringless. Enormous yielder. We consider this bean of greater value to the market gardener than any other wax bean known today

The strong plants are of erect bush habit, reach the height of 18 to 20 inches and are immune from bean diseases, such as blight and rust. The fleshy pods are flattened in form, from 6 to 7 inches in length, ½ inch broad and of lemon yellow color; they are remarkable for their meatiness, brittleness, absolute freedom from strings or tough fibre, and fine table quality. The season of bearing is the same as of Wardwell's Kidney Wax, but this new variety produces nearly twice the number of pods, and pods of much larger size and more handsome in appearance, while it also is greatly superior in quality, which the snapping of the pod will quickly demonstrate. **Packet 10c, ½ pint 25c, quart 75c, prepaid.—Quart 60c, not prepaid.**

**F. S. & N. CO'S STRINGLESS WHITE WAX**—Hardy white seeded wax bean of the finest quality. The bushes are of a sturdy, upright growth and heavily laden with large handsome pods, which are straight, of a bright yellow color, brittle, meaty and entirely stringless at all stages of growth. The seed is large, pure white and most desirable as shell beans both for summer and winter use. **Crop failed.**

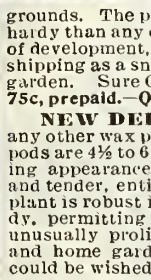
**PROLIFIC GERMAN BLACK WAX or BUTTER BEAN**—This is no doubt the earliest and one of the most productive of all beans, and is rust proof. Vines medium sized, very vigorous and hardy. Pods of medium length, borne well up from the ground, cylindrical, fleshy; of a clear, creamy white color and remain a long time in condition for use as a snap bean. Splendid bean for early and late plantings. **Packet 10c, ½ pint 20c, quart 65c, prepaid.—Quart 50c, ½ peck \$1.80, peck \$3.50, not prepaid.**

**BLACK PENCIL POD WAX**—The best quality round pod early wax bean. Of bushy growth and extremely productive. Pods are straight, round, 6 to 7 inches long; thick, absolutely stringless, of fine flavor; color medium yellow. The seed is black. An all around high quality sort for the kitchen garden or market gardener. **Packet 10c, ½ pint 20c, quart 65c, prepaid.—Quart 50c, ½ peck \$1.80, peck \$3.50, not prepaid.**

**IMPROVED GOLDEN WAX**—A well known standard variety and largely planted everywhere. Medium early, of vigorous, bushy growth, rust proof. A reliable heavy cropper, whether sown in spring, summer or early fall. Pods long, flat, thick and solid. **Packet 10c, ½ pint 20c, quart 65c, prepaid.—Quart 50c, ½ peck \$1.75, peck \$3.25, not prepaid.**

**DAVIS KIDNEY WAX**—The most hardy wax-podded bush bean in cultivation. The vine is rustless, very vigorous and productive and bears its pods near the center in clusters. The pods are very long, flat, waxy-white, straight and handsome, and when young are brittle, crisp and tender. Seeds clear white, excellent for baking and for cooking purposes. One of the best for shipping as snap beans and of the greatest value as a market variety. **Packet 10c, ½ pint 25c, quart 75c, prepaid.—Quart 60c, ½ peck \$2.00, peck \$3.85, not prepaid.**

**SURE CROP STRINGLESS WAX**—A very fine new Wax Podded Bush Bean that proved to be the surest cropper out of some twenty-five varieties of wax beans we had on our trial grounds. The plant is of remarkable vigor and productivity, free from blight and rust, and seems to be much more hardy than any other bean. The pods are of a rich golden yellow color, and they are perfectly stringless at all stages of development, are exceedingly brittle, crisp and tender, and of exceptionally fine flavor. One of the best beans for shipping as a snap bean and of the greatest value as a market variety. Can also be highly recommended for the home garden. **Sure Crop Stringless Wax is the bean "par excellence" for dry sections. Packet 10c, ½ pint 25c, quart 75c, prepaid.—Quart 60c, ½ peck \$2.00, peck \$3.75, not prepaid.**



Faribault Kidney Wax.

**NEW DELICIOUS WAX**—The earliest wax bean in cultivation, coming into edible condition in advance of any other wax pod variety. The quality is well described by its name, it is simply "delicious" from first to last. The pods are 4½ to 6 inches long, of striking appearance, very fleshy, crisp and tender, entirely stringless. The plant is robust in growth, quite barchy, permitting early planting, and unusually prolific. For the market and home garden no better bean could be wished for. **Pkt. 10c, ppd.**

**BRITTLE WAX or ROUND POD KIDNEY**—One of the most valuable wax beans. The pods are round, long and entirely stringless.

It is an exceedingly heavy bearer, 100 pods having been counted on a single bush, is fully as early in maturing its pods as the Wardwell's Kidney Wax, and is of excellent quality. We consider it very desirable especially for the home garden. **Packet 10c, ½ pint 30c, prepaid.**

**WARDWELL'S KIDNEY WAX**—This variety, maturing a little later than the Golden Wax, yields a large crop of long, flat, nearly straight, broad, creamy white, handsome pods, which are of good quality and always command a ready sale, making this variety one of the best for market gardeners. A well known, largely planted wax bean. **Packet 10c, ½ pint 25c, quart 75c, prepaid.—Quart 60c, ½ peck \$2.00, peck \$3.75, not prepaid.**

**NEW ROYAL WAX**—The plant is vigorous, large, without runners, spreading, with large leaves. The pods are about 5 inches long, round, of a waxy yellow color; very brittle, entirely stringless, without fibre and unsurpassed in quality. Very early in season, ripening with the German Black Wax Bean. Resists drought well. **Packet 10c, ½ pint 25c, quart 75c, prepaid.—Quart 60c, ½ peck \$2.00, peck \$3.85, not prepaid.**

**WEBBER BUTTER WAX**—A new variety which is grown extensively by the market gardeners around Chicago and in that market always secures top price. The vine is strong, holding the large pods well up. The pods are of rich bright yellow color, very fleshy, tender and stringless. Early and very prolific. Does well in all sections, and is very resistant to unfavorable weather conditions. The seed is yellow. A splendid bean for market and home garden. **Packet 10c, ½ pint 25c, quart 75c, prepaid.—Quart 60c, ½ peck \$2.00, peck \$3.75, not prepaid.**

## BUSH BEANS. Dwarf Lima. Cont'd.

These Bush Lima Beans cannot be recommended too highly; no home garden should be without them.

**GIANT BUSH LIMA**—The best Bush Lima in existence. It is fully 8 to 10 days earlier than any other large Lima, either bush or pole, and is a most prolific variety. The plants are of vigorous and erect growth, 20 to 30 inches in height, and bear the pods well above the ground. The pods which are produced in large clusters of from 5 to 8, measure from 5 to 6 inches in length and contain 3 to 5 beans of large size, and of the most luscious flavor. **Pkt. 10c, ½ pint 20c, quart 55c, prepaid.—Quart 40c, ½ peck \$1.40, peck \$2.50, not prepaid.**

For other varieties of Bush Lima Beans see preceding page.



Sure Crop Stringless Wax.

## POLE OR RUNNER BEANS.

The beans should be planted the middle of May if the season is suitable. Set poles 4 feet apart each way, and plant 4 to 6 beans, about one inch deep around each pole. Thin out to 3 plants to a pole, if soil is rich; pinch off the ends of plants when they overrun the tops of the poles, to effect more perfect growth below. They succeed best in sandy loam. One quart will plant about 100 hills.

**BURGER'S STRINGLESS GREEN POD.** (White Seeded Kentucky Wonder)—The best Green Pod Pole Bean for the Northwest. The vines are not very long and can be grown on brush instead of on a pole. The pods are born in clusters and average 6 to 8 inches in length; are uniformly straight, and of dark green color. They are absolutely stringless, very meaty, tender and sweet in flavor. The dry beans are small and white, being good for baking after the pods have become too ripe. Equally desirable for the market and for the home garden. Packet 10c, ½ pint 20c, quart 50c, prepaid.—Quart 35c, ½ peck \$1.25, peck \$2.25, not prepaid.

**EARLY GOLDEN CLUSTER WAX**—A strong, vigorous grower, requiring a pole 6 to 8 feet high. It bears its bright golden-yellow pods in clusters of 3 to 6 in the greatest abundance from July until cut down by the frost. The pods are 6 to 8 inches long, very broad, quite thick and fleshy, entirely stringless and of the very best quality. Seed is large, of white color. Pkt. 10c, ½ pt. 20c, qt. 50c, prep'd.—Qt. 40c, ½ pk. \$1.40 pk. \$2.50, not p'd.

**WHITE CREASEBACK**—Very early and a heavy yielder. Pods medium long, silver-green and of the best quality as snaps being very fleshy and tender. Seed pure white and excellent shelled for winter use. Pkt. 5c, ½ pint 15c, quart 40c, prepaid.—Quart 25c, ½ peck 85c, peck \$1.50, not prepaid.

**CUT SHORT or CORN HILL**—A very popular variety for planting amongst corn. It will give a good crop without the use of poles. Pods short, fleshy and of fine quality. Packet 5c, ½ pint 15c, quart 40c, prepaid.—Quart 25c, ½ peck 90c, peck \$1.60, not prepaid.

**HORTICULTURAL or SPECKLED CRANBERRY**—An old favorite, excellent both as snap and shell bean. Beans are large and of fine flavor. A very productive variety; medium early. Packet 5c, ½ pint 15c, quart 40c, prepaid.—Quart 25c, ½ peck 80c, peck \$1.45, not prepaid.

**OLD HOMESTEAD or KENTUCKY WONDER**—The pods are 7 to 9 inches long, very fleshy, stringless when young and of the finest quality. Ripens very early. Pkt. 5c, ½ pt. 15c, qt. 45c, prep'd.—Qt. 30c, ½ pk. \$1.00, pk. \$1.85, not p'd.

**LAZY WIFE**—Pods are broad, thick, and above all entirely stringless. They are exceedingly rich, buttery and fine flavored when cooked. One of the best Pole Beans for snaps; the dry beans are excellent for winter use. Packet 5c, ½ pint 15c, quart 50c, prepaid.—Quart 35c, ½ peck \$1.20, peck \$2.00, not prepaid.

**SCARLET RUNNER**—Popular for both ornamental and culinary purposes. The flowers which are born profusely in large sprays, are of brilliant scarlet color; they are followed by large, green pods of beans which are of very fine flavor. Pkt. 5c, ½ pint 15c, quart 50c, prepaid.—Quart 35c, ½ peck \$1.25, peck \$2.25, not prepaid.

**YARD LONG**—A great curiosity and withal a bean of excellent quality. Pods usually 18 to 24 inches but frequently 30 inches and sometimes 36 inches in length. An excellent table vegetable, pods being tender and of a rich asparagus flavor. Pkt. 10c, 3 for 25c.

## POLE LIMA BEANS.

**NEW CARPINTERIA**—This is considered the most perfect Pole Lima Bean. The beans have a greenish tint, a sure indication of good quality. The vines are very strong, vigorous in growth, with many large branches on which are produced an immense quantity of pods, filled with 3 to 4, usually 4, large broad beans. These beans are much thicker than those of any other Pole Lima bean. Packet 10c, ½ pint 20c, quart 50c, prepaid.—Quart 35c, ½ peck \$1.15, peck \$2.00, not prepaid.

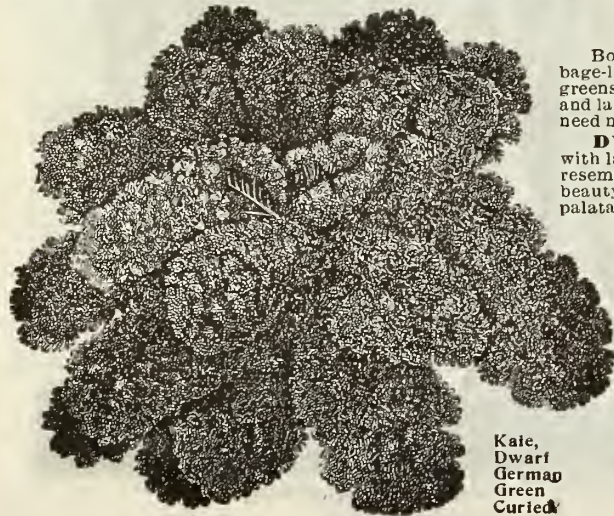
**EARLY LEVIATHAN**—Leviathan is about 14 days earlier than any other Pole Lima, making it possible to grow this delicious vegetable in many localities, where on account of the short season the older varieties would not mature. The pods are born in large clusters and contain 4 to 5 large beans of excellent quality. Especially recommended for the Northwest. Pkt. 5c, ½ pint 15c, quart 50c, prepaid.—Quart 35c, ½ peck \$1.15, peck \$2.00, bu. \$7.25, not prepaid.

**EXTRA EARLY JERSEY**—A well known variety. Early, very productive and of fine quality. Pkt. 5c, ½ pint 15c, quart 45c, prepaid.—Quart 30c, ½ peck \$1.00, peck \$1.75, bushel \$6.50, not prepaid.

**KING OF THE GARDEN**—Vines very vigorous and productive. Pods very long, filled with large, white beans of the finest quality. On account of its large pods it is a favorite with market gardeners. A late variety bearing a long time. Pkt. 5c, ½ pt. 15c, qt. 40c, prepaid.—Qt. 25c, ½ pk. 90c, pk. \$1.70, bu. \$6.50, not prepaid.

## BRUSSELS SPROUTS.

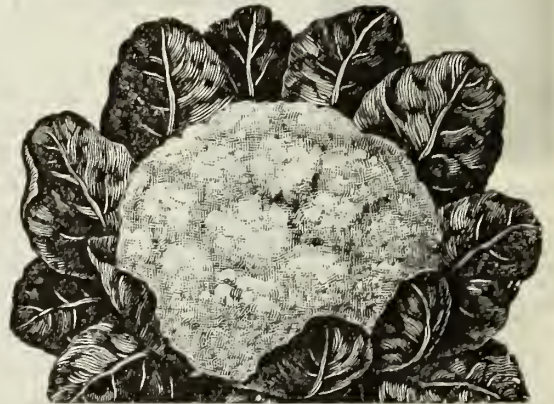
This is one of the best vegetables for winter use, producing an abundance of sprouts, resembling small cabbages; of excellent mild flavor. By sowing in April and planting out in July, it may be had in fine condition until Dec. and in the South may be had from Nov. to March. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50, prepaid.



Kale,  
Dwarf  
German  
Curled



Brus-  
sels  
Sprouts



Large White Broccoli.

## BORECOLE or KALE.

Borecole, Kale and German Greens are the general terms applied to certain cabbage-like plants which do not form heads, but are used in their open growth. The greens are for early Fall, Winter and Spring use. Sow seed about the middle of June and later transplant to rows from 2 to 2½ ft. apart. The dwarf can be sown later, and need not be transplanted to furnish nice heads. A good frost improves the quality.

**DWARF GERMAN GREEN CURLED**—The plant is low and compact with large, bright deep green leaves, curled, cut and crimped so that the whole plant resembles a bunch of moss. It would be well worthy of cultivation simply for its beauty. One of the best sorts and when well grown and cooked is one of the most palatable of vegetables. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 95c, prepaid.

**TALL GREEN CURLED SCOTCH**—Very hardy plants which are not injured by a moderate frost, and are about 30 inches tall, have many dark green leaves, densely curled and cut. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, p'd.

**GERMAN DWARF PURPLE**—Like Dwarf German Green Curled, but of rich purple color. This variety is of very fine quality. Packet 5c, oz. 10c, ¼ lb. 25c, lb. 85c, prepaid.

**THOUSAND HEADED KALE**—See Farm Seed Department.

## BROCCOLI.

Sow seed early in May; transplant in June. Growth and habit like Cauliflower, but far more hardy. Of special value in the North. Cultivate and use same as Cauliflower. One ounce will produce 2500 plants.

**LARGE WHITE**—Produces large, white heads. Similar to Cauliflower. Fine for the North. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, prepaid.

**PURPLE CAPE**—Similar to above, but purple. Price same.

**BEETS.**

The soil for beets should be rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked, continue for a succession as late as the middle of July; when the plants are large enough thin out to stand 6 inches apart in rows. One ounce to 50 feet of drill; 5 to 6 lbs. to the acre in drills.

**DETROIT DARK RED**—Long experience has shown this variety to be one of the best deep red turnip beets, not only for market gardeners, but also for home use. It is also by far the best for canning, making a strikingly handsome product, much superior to that obtained of most other varieties. Its early maturity, and the splendid shape and color of the root make it popular everywhere. On account of its small, upright growing tops the rows may be close together. Leaf stems and veins dark red, blade green; root globular or ovoid and very smooth; color of skin dark blood red; flesh deep vermilion red, zoned with a darker shade, very crisp, tender and sweet, and remaining so for a long time. The stock which we offer of this variety will produce a crop uniform in shape, color and quality. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.35, prepaid.

**CROSBY'S IMPROVED EGYPTIAN**—This variety is sown more than any other where an extra early beet is wanted for forcing in frames, as well as for first sowing outside. It becomes fit for use sooner than any other kind. The roots are of very even shape; the flesh is a bright red with zones of a darker shade; fine quality, sweet and tender. A standard market gardener's variety, it is excellent for bunching. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.15, p'd.

**F. S. & N. CO'S FIREBALL**—A splendid new variety of great merit being suited for forcing under glass and for open ground culture. It is perfectly globe-shaped and very early. The leaf stalks and single, tiny tap-root are very small, making it valuable for both early and late sowing in frames. The skin is smooth, the flesh is very sweet, solid and an intense bright red in color. For the home garden this beet will be found very desirable. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50, prepaid.

**EARLY ECLIPSE**—Perfectly smooth and round; skin and flesh intense red. This variety is extremely early, in fact, one of the first to be ready for the table. It does not grow to large size, but is desirable for its earliness and sweet, tender quality. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**CRIMSON GLOBE**—The root is of medium size, of very handsome globe-shape, and has a remarkably smooth surface, and a very small tap root. Flesh is fine grained, sweet and tender in all stages of growth; both skin and flesh are deep rich red. The leaves are small, very dark green, and borne on slender, upright growing stems. The fine shape and color of the roots, their tenderness, fine flavor and early maturity render them popular with all who plant them. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**BASTIAN'S EXTRA EARLY BLOOD TURNIP**—Roots are of medium size, bright red with lighter zones, good quality, small top. A good beet for market and home garden. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**EDMAND'S EARLY BLOOD TURNIP**—Very uniform roots with small tops; are always smooth, round and handsome; of good marketable size, and among the best for table use. Color dark red,

quality crisp, tender and sweet; a good keeper. Can be planted close, as the roots do not grow large and coarse. Pkt. 5c, ounce 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**LONG SMOOTH BLOOD**—Long, slender roots, seldom more than two inches thru, which grow partly out of the ground, and are smooth, having no side roots. The skin is dark purple, almost black; the flesh is dark red, very tender and sweet. Matures rather late, but is an excellent keeper. We have a very fine strain, the foliage of which is of a beautiful dark crimson color. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, prepaid.

**SWISS CHARD or SILVER BEET**—A distinct vegetable and much superior to the common beets for greens. If sown at the same time it will be fit to use before them. Later the plants form broad, flat, beautiful white and wax like stems to the leaves which are cooked the same as asparagus. If your garden space is limited, this splendid vegetable should have a place, for in ground occupied, it yields more food for the table than any other vegetable, and it requires very little care. Swiss Chard is of superior quality to spinach and ordinary beet greens. Try this splendid vegetable and you will always plant it again. An ounce or two of seed is sufficient for the family garden. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**OUR SEEDS ARE UNEXCELLED.**

Your Vegetable Seeds were excellent, especially your Copenhagen Market Cabbage.

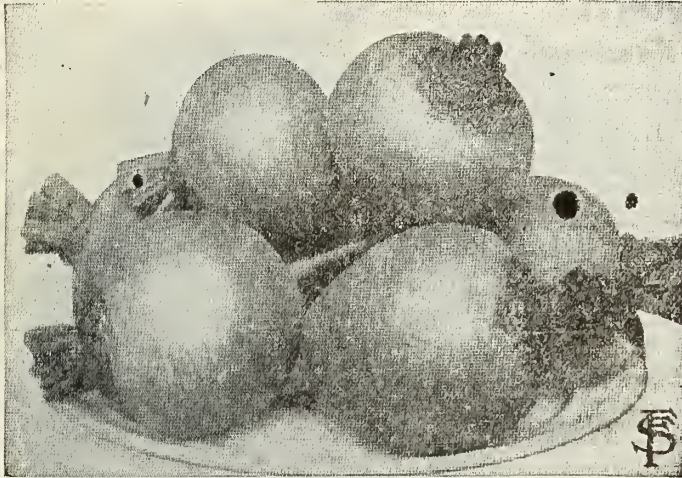
REV. FRED. O. LOTHINGER, Luverne, Iowa.

Enclosed find my order (\$9.00) for seeds and plants. I have been a customer for 25 years, and have always found your goods of very best quality.

JOHN RABUSCH, Vermillion, S. D.

I am sending you another order for Seeds which I have no doubt will grow as well as your Lettuce and Radishes and Tomatoes grew last summer. I paid only 10 cents for the three packets and before the summer was over I found they were worth \$5.00 to me. Assuring you that you will get all my future orders, I remain,

JOHN D. WELLMAN, Detroit, Mich.



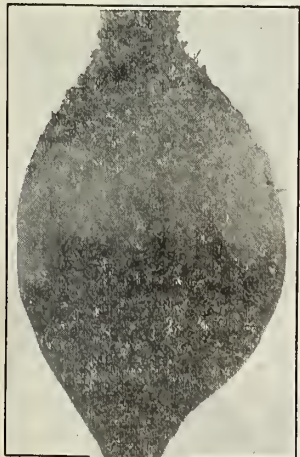
Detroit Dark Red.

**F. S. & N. CO'S IMPROVED HALF LONG BLOOD**—The roots are symmetrical, about three times as long as thick and of a dark blood red color; the top is small. It is always smooth and handsome, very sweet, crisp and tender, never becoming woody. One of the best beets for winter use. A heavy yielder and highly esteemed for the home garden. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

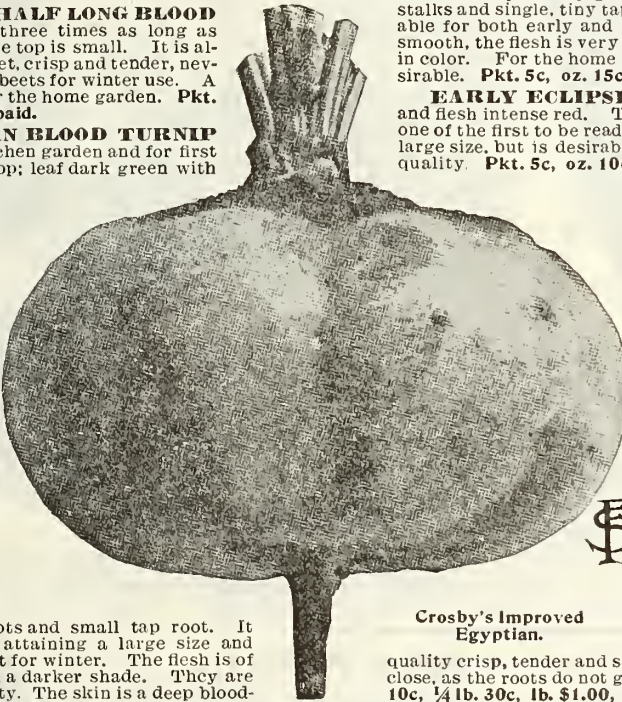
**EXTRA EARLY EGYPTIAN BLOOD TURNIP**—One of the best varieties for the kitchen garden and for first early crop out of doors. Has small top; leaf dark green with dark red veins and stem; root very dark red, rounded on the top but flat beneath, with very small tap root; flesh dark red, zoned with lighter shade; hard, crisp and tender when young. Packet 5c, ounce 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**F. S. & N. CO'S BLACK QUEEN**—One of the very finest beets for home use and market. A distinct, new early variety of pear-shaped form, and medium size, with a very smooth surface. The flesh is very fine grained, crisp, tender and sweet and never woody or stringy; its color is the darkest of all beets, a rich, deep blood crimson. In quality this beet is surpassed by none. The leaves are small, borne on slender stems and are of a uniform dark crimson color, making this variety very attractive for ornamental gardening. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**MARKET GARDENER'S**—This beet is of very symmetrical form, oblong, with but few fibrous roots and small tap root. It continues to grow until late in fall, attaining a large size and making a good selling and eating beet for winter. The flesh is of a beautiful color, zoned blood-red and a darker shade. They are fine grained and unsurpassed in quality. The skin is a deep blood-red. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.



Black Queen.



Crosby's Improved Egyptian.



## MANGEL-WURZEL. For Stock Feeding.

The value of Mangel-Wurzels for stock feeding can not be overestimated. No one who keeps horses, sheep or cattle should be without these roots for fall and winter feeding, as the results from their use are wonderful, being clearly shown in the improved health and condition of the animals, the increase of milk from the cows and the great saving in hay.

Mangels are a surer crop than any other root; they can be raised at a very trifling cost, and yield immense crops per acre. Our trade on Mangels and Sugar-Beets for feeding is one of the largest in the country and is increasing enormously every year, owing to the fact that our stocks are of the highest quality obtainable and our prices always very reasonable. Five to six pounds of seed are required per acre.

Prices for all Mangels and Sugar Beets except where noted: Oz. 5c, 1/4 lb. 15c, lb. 45c, prepaid.—Lb. 35c, 10 lbs. \$3.25, not prepaid.

**MINNESOTA GOLDEN TANKARD**—The Golden Tankard is considered one of the best mangels grown, and our selected strain is unsurpassed in yielding and feeding qualities. The flesh is firm, solid and of a rich golden yellow color. The roots have small necks, are of cylindrical form and grow nice and even in shape; they are easily lifted and are excellent keepers. With no specially selected ground and good average cultivation the yield will be from 40—50 tons per acre while with extra cultivation it will yield 60—70 tons per acre.

**IMPROVED MAMMOTH LONG RED**—This is the best Long Red Mangel. It is enormously productive, yielding from 50 to 60 tons per acre and a single root often weighing from 25 to 35 pounds and more. They are of good and massive shape, of very fine texture and good quality, and the growing to immense size, are not coarse. They are easily harvested, as they grow well above the ground. Our strain is the best in the market.

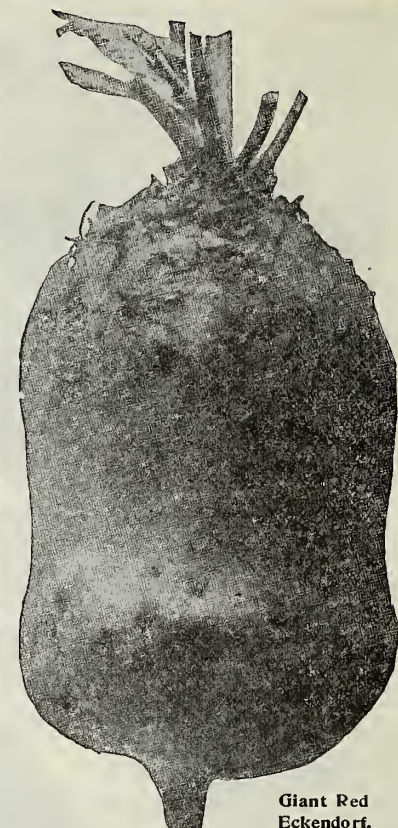
**GIANT RED ECKENDORF**—This is the most popular variety of Mangels in Germany, being planted there more than any other kind, but it has also given the best results in this country wherever planted. The roots are smooth, of cylindrical shape, and weigh from 15 to 25 pounds apiece. The flesh is firm, solid, of white color and highly nutritive value. The Eckendorf Mangels are phenomenal yielders and are easily harvested, the root growing to the largest part above the ground. A splendid long keeper.

**GIANT SLUDSTRUP**—Sludstrup is considered the best and heaviest yielding of all Mangels, and holds the world's record for dry matter content. This mangel has been awarded a first-class certificate several times by the Danish Government, the highest honor in Denmark, where mangels are as important as corn is here. Sludstrup is a long, reddish-yellow, ovoid root, growing more than half above the ground. Easily harvested, and by actual test far excels any other variety, in both the weight and feeding value of yield. Our seed is from the best Danish growers. Oz. 10c, 1/4 lb. 20c, lb. 50c, prepaid.—Lb. 40c, 5 lbs. \$1.75, not prepaid.

**MAMMOTH GOLDEN GIANT**—Very large, oval-shaped roots, growing over one-half out of the ground and having white flesh which is sweet and tender, and never becomes woody. An enormous yielder; the roots are easily harvested and keep well.



Mammoth Long Red.



Giant Red Eckendorf.

## SUGAR BEETS—For Sugar Making.

**KLEIN WANZLEBEN**—Probably more widely grown than any other, and undoubtedly the best sort for general cultivation. It produces from 14 to 18 tons per acre, and contains from 15 to 18% of sugar. The root grows below the surface. Easier grown than any other variety.

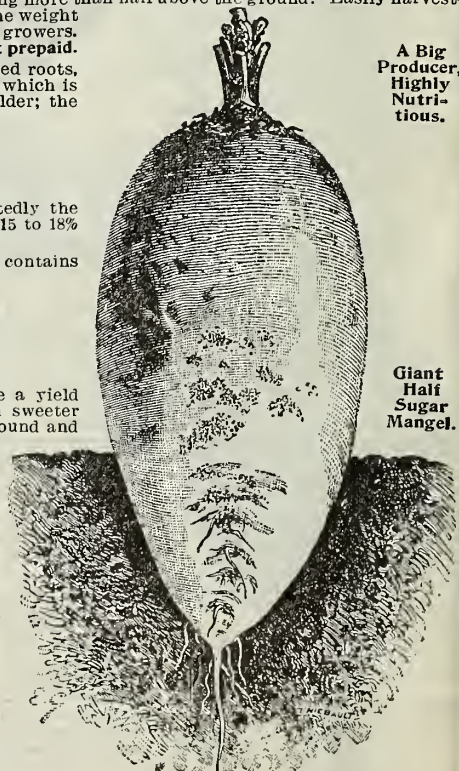
**VILMORIN'S IMPROVED**—Altho not quite as large as the Klein Wanzleben, it contains fully as large a percentage of sugar. The root grows below the surface.

Price of Sugar Beets as quoted above.

## SUGAR BEETS—For Stock Feeding. SUPERIOR TO MANGELS.

**GIANT HALF SUGAR MANGEL**—A strain of beets, which, while giving as large a yield and being as easily grown and harvested as a crop of mangels, supplies a food which is much sweeter and consequently of very much higher nutritive value. The roots grow partly out of the ground and are therefore easily harvested; they are very large, firm, smooth, clean and of oval shape. The color of the skin is light bronze green above and white below the ground; the flesh is white, crisp, sweet and unexcelled in feeding quality; is more succulent than sugar beets and preferred to them by all stock. Oz. 5c, 1/4 lb. 15c, lb. 40c, prepaid.—Lb. 30c, 10 lbs. \$2.50, 100 lbs. \$22.00, not prepaid.

**ROYAL GIANT or HALF SUGAR ROSE**—A beet of highest nutritive value for feeding. Somewhat egg shaped; on account of growing half out of the ground, it is very easily harvested. Quite similar to Giant Half Sugar except in color of skin which is bright rose above the ground, white below. Oz. 5c, 1/4 lb. 15c, lb. 40c, prepaid.—Lb. 30c, 10 lbs. \$2.75, 100 lbs. \$25.00, not prepaid.



A Big Producer, Highly Nutritious.

Giant Half Sugar Mangel.

I raised your Giant Red Eckendorf Mangels last year and some of them weighed 26 pounds each. They were all very fine and none hollow. I am well satisfied with your seeds.  
HENRY HOFFMAN, Kalispell, Mont.

All the seeds purchased from you the past season have given the best satisfaction. Mangels weighed 20 pounds a root and over. Onions over 1 pound each. Your Vegetable Seeds are the best.  
FRED KUHNKE, Gardena, N. Dak.

## CABBAGE. Early Varieties.

**CULTURE**—Seed of the early varieties should be sown  $\frac{3}{4}$  of an inch deep in a greenhouse, hot-bed, or in boxes in the house, about six weeks before the plants are needed for planting out. As soon as the soil can be worked in the spring the plants should be removed to the open field and set in rows two feet apart each way. — **Late Cabbage:** May be sown in rows one foot apart or broadcast in the garden, about the middle of May, and the plants set in the field the latter part of June.

**NOTICE**—Use "Slug Shot" to kill cabbage worms.

**MINNESOTA'S EARLIEST**—The earliest heading Cabbage in cultivation, producing pointed, hard heads of good size, fully a week ahead of the Jersey Wakefield. The ideal short season cabbage, of greatest value in northern localities and exposed situations. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.

**EARLY JERSEY WAKEFIELD**—The best first early, oblong sort. The heads are conical, very hard and solid and of excellent quality. Most gardeners depend upon it for the bulk of their extra early crop, and its hardness to resist cold and other unfavorable conditions insures the greatest likelihood of satisfactory results. Selected seed, pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.

**LARGE WASHINGTON or CHARLESTON WAKEFIELD**—A strain of which the plant is larger and a little later than Early Jersey Wakefield. Exceedingly hardy, and on account of its earliness and size of head it is deservedly a very popular sort with market gardeners and shippers to follow Jersey Wakefield. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25.

**EARLY WINNINGSTADT**—The heads are of the same size as the Jersey Wakefield, but more sharply pointed in form and not so early, the heads are the hardest of any early cabbage. By reason of its great solidity it is also a popular variety to plant in the summer for winter use or cutting for kraut. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75, prepaid.

**EARLY FILDERKRAUT**—A great favorite with the Germans. Forms large conical heads which are very hard and solid, and keep well. Much used for kraut. A well known and excellent variety. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**EARLY SPRING**—The earliest flat head cabbage. As early as the Jersey Wakefield, stem short, heart very small, making almost the entire head fit for use, quality extremely fine, small veins, no sign of coarseness. It has very few outer leaves, thus allowing close planting, yielding more heads on the same space than any other variety. A very valuable variety for extra early market and for home use. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.

**GLORY OF ENKHOUSEN**—A very early cabbage, only a little later than Jersey Wakefield, but produces quite large ball-shaped heads, double the size of the Jersey Wakefield, which are extremely solid, fine ribbed, exceedingly tender and of the finest flavor; it keeps in fine condition for a long time. The plants are very dwarf and compact, allowing close planting. A money maker for the market-gardener and fine for the home garden. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.

*Your Seeds have given me splendid satisfaction. Your Copenhagen Market Cabbage beats anything I ever saw in the Cabbage line, especially as it proved to be a much better drought resister.*

KARL BAUMGARTNER, Bozeman, Mont.



Early Jersey Wakefield.

### SECOND EARLY or SUMMER SORTS.

**F. S. & N. CO'S VOLGA or EARLY STONEHEAD**—One of the very earliest, large flat head varieties, especially recommended for Fall, Winter and Spring market. Planted as late as the first week in July, it will mature a grand crop of cabbage, with large heads, often measuring a foot in diameter and weighing from 15 to 20 pounds. They are extremely hard, uniform in size, with very few outer leaves. The quality is very fine, both for cooking and kraut. On account of its compact growth, plants can be set together very close. Heads do not crack as much as other sorts, and keep first class till late in spring. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.50, prepaid.

**F. S. & N. CO'S ALL-HEAD or SURPRISE**—If a gardener were to plant but one kind of cabbage, he could get none that would answer all purposes as well as the All-Head Early. It is the earliest

of the large flat-headed cabbages, at least a week in advance and one-third larger than Henderson's Early Summer. The deep, flat heads are remarkably uniform in shape, size and color, with finer ribs than other flat kinds; they are very tender and the quality is excellent. It is suitable for growing in spring and early summer, and is also very fine for winter use. The All-Head Early is one of the most profitable cabbages to grow, as on account of its compact habit of growth, a close planting can be made. It is a grand variety for the home garden and one of the very best to grow for market. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

All Seasons.

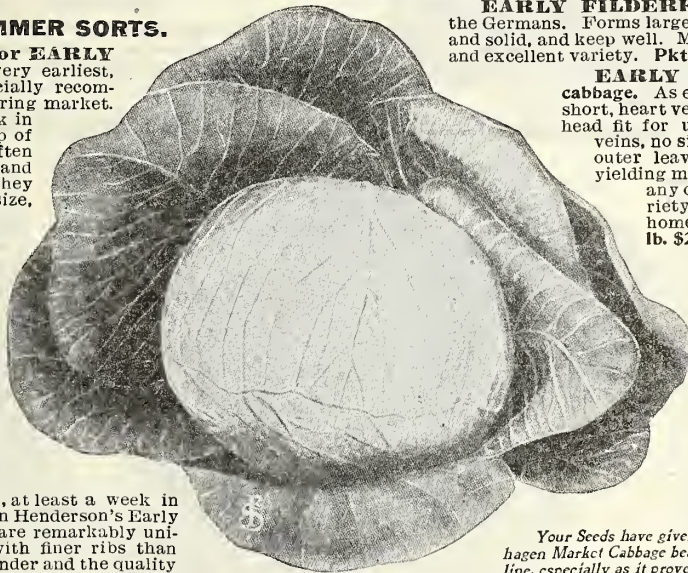
**HENDERSON'S SUCCESSION**—It is about a week later than Early Summer, but double its size, and remarkably uniform in size and shape. It is certainly a good cabbage, and should be included in every order. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00, prepaid.

**EARLY DWARF FLAT DUTCH**—An excellent second early variety, producing fine, large heads. Highly valued both for its fine quality and ability to resist heat. Head very solid, broad, round, flattened on top, tender and fine grained. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75.

**F. S. & N. CO'S ALL SEASONS**—Heads are very large, round, often nearly spherical, but usually somewhat flattened; they are very solid and of the best quality, keeping as well as the winter sorts. The plants are very vigorous and are sure to head. Remarkable for its ability to stand the hot sun and dry weather. Our trials have shown that heads which were fit for market by July 10th were still salable Sep. 10th, the only change being increased size and density. One of the very best sorts for general cultivation. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.

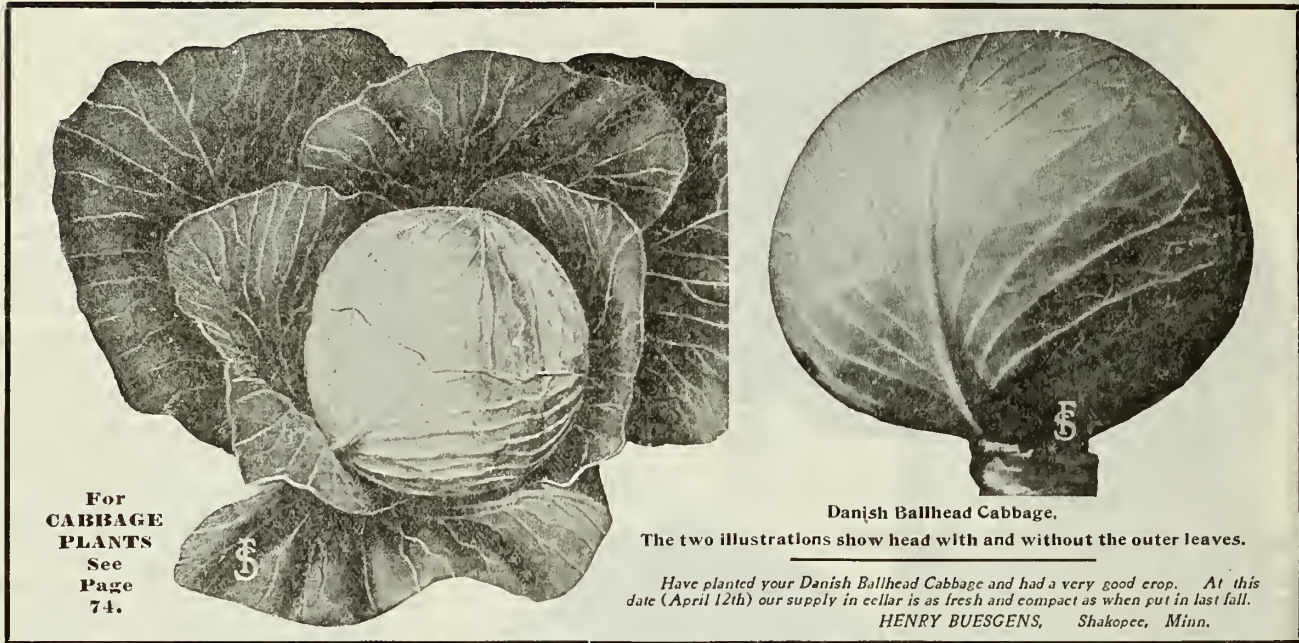
**EARLY SUMMER**—The popular flat-head variety for early market. Heads are of good size, very solid, compact, of excellent quality, sweet and tender, and of very fine appearance. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75, prepaid.

**COPENHAGEN MARKET**—See Novelties.



All-Head or Surprise.

## CABBAGE, LATE OR AUTUMN AND WINTER SORTS.



For  
CABBAGE  
PLANTS  
See  
Page  
74.

Danish Ballhead Cabbage.

The two illustrations show head with and without the outer leaves.

Have planted your Danish Ballhead Cabbage and had a very good crop. At this date (April 12th) our supply in cellar is as fresh and compact as when put in last fall.

HENRY BUESGENS, Shakopee, Minn.

**DANISH BALLHEAD, THE TRUE HOLLANDER or AMAGER**—Tall Stem.—Selected Stock, Danish Grown. The most remarkable cabbage yet produced and a great favorite with all who have grown it. The heads, which are round, very solid and compact, are of medium size, averaging about 8 lbs. in weight; in color they are entirely distinct, being a fine white; they never burst, and keep better than any other sort, being as solid and perfect when taken up in the spring as when put away in the fall. This cabbage is of the finest quality, crisp, tender and sweet in flavor. It grows excellently on almost all soils and under most conditions, withstanding cold, dry and hot weather, and never rotting from the effects of wet seasons. It is without question the most popular winter cabbage and is grown most extensively in the cabbage growing sections of the Northwest. Our seed is grown in Denmark by the best grower and is unsurpassed. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.75.

**DANISH BALLHEAD or HOLLANDER**—American Grown Seed. Some of our customers have asked for American grown seed of this excellent cabbage, therefore we offer best stock of Long Island grown seed. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

**F. S. & N. CO'S SELECTED PREMIUM LATE FLAT DUTCH**—A very fine strain of Late Flat Dutch which we can recommend as a sure heading variety, producing very large, solid heads, weighing 20 to 30 pounds each, of dark green color and excellent flavor; it is a good keeper. We have taken great care in the selecting of heads for seed and our strain is very pure. Our Selected Premium Flat Dutch is one of the best fall shipping cabbages, and unsurpassed for table use. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

**MARBLEHEAD MAMMOTH**—This is the largest kind of the cabbage family in the world; heads have been grown so large that they could not be put into a bushel basket, having a diameter 2 inches greater; 30 to 40 lbs. is no uncommon weight for the Mammoth, and in some instances heads have weighed over 50 pounds. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25, prepaid.

**AUTUMN KING**—It produces enormous, solid heads of that dark shade of green which is most desirable in a cabbage, and is always sure to head. The large, broad heads are rounded at the top, fine grained, tender and solid as a rock. It has such small outer leaves that it can be planted much closer than the ordinary late sorts. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

**STONEMASON DRUMHEAD**—By many gardeners this is considered one of the most reliable varieties for fall and winter use. The plants are of medium size with only a very moderate number of leaves. Stem medium length, heads of good size, round and slightly flattened, very solid, crisp, tender, and entirely free from the strong flavor found in many late sorts. It is one of the few cabbages that is certain to please both the amateur and the market gardener. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

**F. S. & N. CO'S SUREHEAD**—A good main crop variety. Always sure to make fine heads even in most unfavorable seasons. The heads are remarkably uniform, very hard, firm and fine in texture, and weigh from 10 to 15 pounds each. A general favorite with gardeners, and on account of its drought resisting quality it can be recommended especially for the western states. A good shipper and keeps splendidly. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25, prepaid.

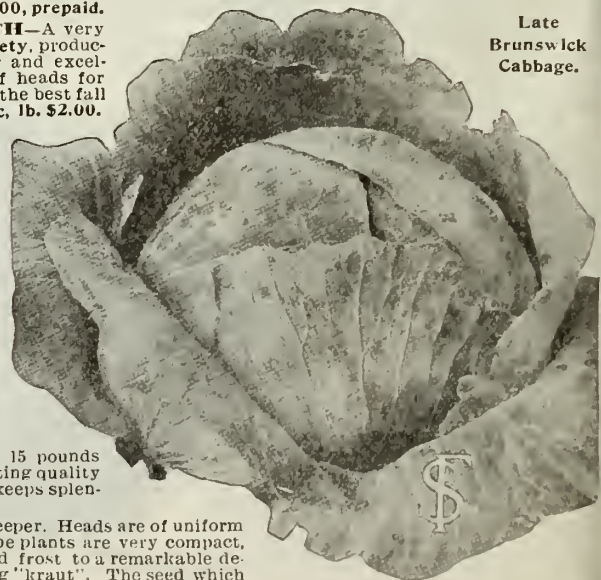
**LATE BRUNSWICK**—A very fine main crop variety and grand long keeper. Heads are of uniform shape, flat, large, heavy, firm and solid, and of a very superior flavor. The plants are very compact, with few outside leaves, permitting close planting. Withstands drought and frost to a remarkable degree and is equal to the best in heavy yielding. It is a fine cabbage for making "kraut". The seed which we offer is best Danish grown. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.



F. S. & N. Co's Surehead.

**DANISH ROUNDHEAD**—An Earlier Short Stemmed Strain of the Famous Danish Ballhead.—In this strain we have very large, solid heads on short stems, having the same keeping quality as the original strain of Danish Ballhead. It is ten days to two weeks earlier and produces as large a yield as any of the Danish cabbages. It is especially valuable for high, dry land, producing good sized heads where other strains would be too small. For shipping in the late fall or winter there is no finer cabbage than this strain. Our stock of Danish Round Head comes to us direct from the originator in Denmark and is so well bred that practically every plant will produce a good solid head of uniform type. Packet 10c, ounce 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

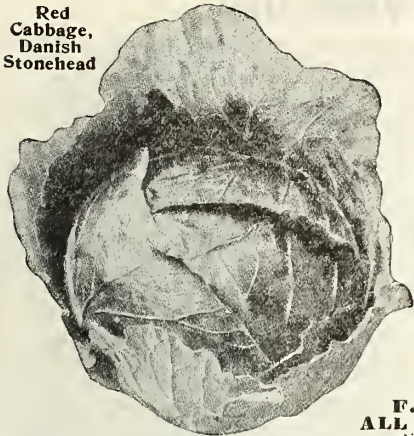
**SHORT STEM DRUMHEAD**—Well known standard late variety with large, flattened heads, very solid and a sure header. Of compact growth, with few outer leaves. Desirable for late winter use. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, p'd.



Late  
Brunswick  
Cabbage.



Red Cabbage, Danish Stonehead



**RED CABBAGE.**

**F. S. & N. CO'S DANISH STONEHEAD**—This new red cabbage is considered one of the best strains ever introduced. The plants are strong and compact in growth, producing dark red, round, solid heads of large size, equally as hard and handsome in appearance as our famous Danish Bullhead. The red color extends to the center of each head, making it a valuable sort for the market or pickling. Packet 10c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.50, prepaid.

**ERFURT EXTRA EARLY**—This is the earliest of all red cabbages. The heads are not very large but of excellent quality, very hard and keep well; the color is blood-red. The best variety for pickling. Packet 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25, prepaid.

**BLACK DIAMOND OR NIGGERHEAD**—A grand, second early variety, with medium large, firm heads, having thin and small leaf-ribs and a black-red color. There are but few outer leaves, permitting close planting. Packet 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.75, prepaid.

**MAMMOTH RED ROCK**—The largest of the red cabbages and a sure header; the heads are round, very solid, weighing 10 to 12 pounds, and are of an attractive dark red color. Packet 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25, prepaid.

**SAVOY CABBAGE.**

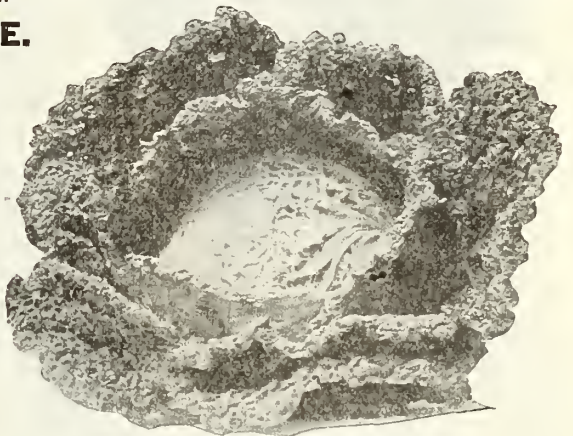
The Savoy Cabbages are superior in flavor to the smooth-leaved sorts.

**F. S. & N. CO'S EARLIEST OF ALL SAVOY**—Forms medium sized, very solid heads of conical shape, with blunt

point; leaves finely crimped. Without question the earliest and finest Savoy; of equal value to the market gardener and private garden. Packet 10c, oz. 30c, ¼ lb. \$1.00, prepaid.

**EXTRA EARLY DWARF ULM SAVOY**—One of the earliest and sweetest of the Savoys. The heads are round and solid, with small, thick, fleshy leaves of fine, deep green color and excellent quality. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.

**IMPROVED AMERICAN SAVOY**—The best of the large, late Savoy sorts, either for home use or for the market. The plants are very vigorous growers and sure headers; the heads are compact, large and showy, with fine, densely savoyed or crumpled leaves of the finest flavor. Packet 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.



Improved American Savoy Cabbage.

For Cabbage and Cauliflower Plants see page 74.

This is my sixth annual order to the Farmer Seed & Nursery Co. Your Danish Ballhead Cabbage is unexcelled. Heads put in cellar last Fall are as solid and nice this date (Feb. 23d) as when we put them away. J. S. SWORDS, POLO, ILL.

**CAULIFLOWER.**

Sow the seed in a hot-bed in January or February, and when the plants are large enough, transplant 3 inches apart in boxes until time to plant out. If hardened off they are seldom injured by planting out as early as the ground can be properly prepared, 2½ feet apart each way. Keep well hoed, watering freely in dry weather, and especially when they begin to head. The late varieties mature in autumn, and are sown and managed similar to winter cabbage. Any soil that will grow cabbage will grow cauliflower, but rich, moist soil is preferred.

**NOTICE:**—To kill worms and bugs on Cauliflower plants use "Slug Shot", see page 42.

**F. S. & N. CO'S SELECTED EXTRA EARLY SNOWBALL**—The most popular and earliest variety. Our seed is raised by expert growers in Denmark, the best Cauliflower growing country in the world, where the climate is especially adapted for raising this vegetable, and our growers select for seed only the very earliest, largest and finest, fully developed heads. We can therefore offer our stock as first class in every respect, unsurpassed by any other stock of Snowball, and no cauliflower ever grown gives more satisfactory results, either when forced under glass during winter and early spring or planted later in the open ground. Under reasonably favorable conditions every plant will form a large, solid head, measuring from 8 to 10 inches across, with a very close snow white curd of extra fine quality. The plants are compact, with a few narrow, upright leaves, and can be set closely together. We supply the most critical trade. Packet 15c, ¼ oz. 75c, ½ oz. \$1.25, oz. \$2.00, ¼ lb. \$7.50, prepaid.

**F. S. & N. CO'S DANISH PERFECTION**—A new early variety of the Dwarf Erfurt type. While not quite as early as Snowball, the heads are better protected by leaves and are very firm, solid and heavy, snow white and with no protruding leaves. The extra protection to the head does away with the necessity of tying up the leaves to a large extent. Comes very true to type and its evenness in maturing makes it possible to take care of the crop at one cutting. This variety produces the most solid, whitest and best heads of cauliflower we have ever seen grow. Practically every plant produces a good head. Packet 15c, ¼ oz. 75c, ½ oz. \$1.25, oz. \$2.25, ¼ lb. \$8.25, prepaid.

**EARLY SNOWBALL**—A splendid type of the Snowball and is very popular in the East. Our seed will give best satisfaction. Packet 10c, ¼ oz. 50c, ½ oz. 85c, oz. \$1.50, ¼ lb. \$5.00.

**EXTRA EARLY PARIS**—Very popular early sort, forming medium sized, compact heads of excellent quality and flavor. The leaves are large, stalk short. For the home garden a very satisfactory variety. Pkt. 5c, ½ oz. 25c, oz. 50c, ¼ lb. \$1.50.

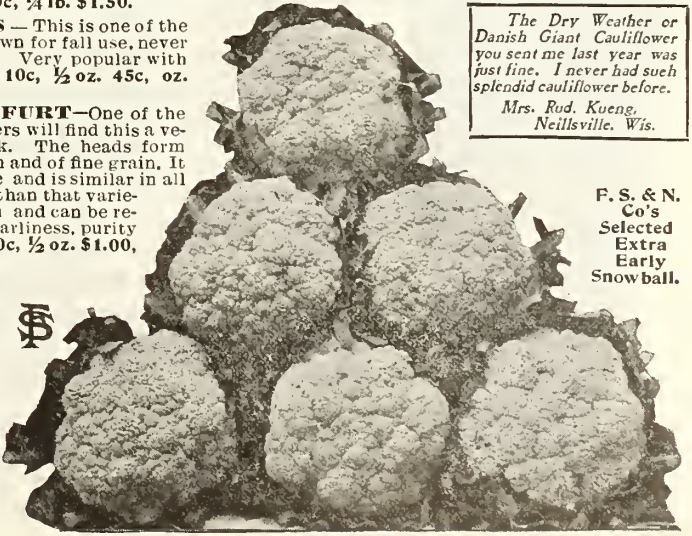
**LARGE LATE ALGIERS**—This is one of the best late varieties. It is largely grown for fall use, never failing to produce large, fine heads. Very popular with market gardeners and canners. Packet 10c, ½ oz. 45c, oz. 70c, ¼ lb. \$2.25, prepaid.

Danish Perfection Cauliflower.

**EXTRA EARLY DWARF ERFURT**—One of the best varieties of Cauliflower that can be had at any price, and growers will find this a very superior strain. It is of dwarf, compact growth, with short stalk. The heads form quickly, measure from 8 to 10 inches across, are beautiful, white, firm and of fine grain. It gives excellent results both for the home garden and for market use and is similar in all respects to the Snowball except in earliness, being a few days later than that variety. Our strain of Erfurt Cauliflower has given the best satisfaction and can be relied upon to produce true to name, and will be found unsurpassed in earliness, purity of color, dwarf habit, fine grain and solid heads. Packet 15c, ¼ oz. 60c, ½ oz. \$1.00, oz. \$1.75, ¼ lb. \$6.50, prepaid.

**DRY WEATHER or DANISH GIANT**—The plants have large foliage and form firm and snow-white heads, which are much larger and heavier than those of the Snowball and of equally fine quality, but about a week later. The Dry-Weather Cauliflower requires less moisture than the other varieties and is therefore especially adapted for growing in dry localities, where it will produce good sized heads under unfavorable conditions, when other kinds fall entirely. We recommend this variety as one of the very best for the home garden as well as for the market gardener for growing in the open ground. Pkt. 15c, ¼ oz. 75c, ½ oz. \$1.25, oz. \$2.00, ¼ lb. \$7.50, prepaid.

**AUTUMN GIANT**—A distinct and valuable late variety with long stems and dark green leaves. The heads are very large, extremely white, firm and compact and being well protected by foliage, remain a long time fit for use. Plants should be started and transplanted early. Pkt. 5c, ½ oz. 20c, oz. 35c, ¼ lb. \$1.00, prepaid.



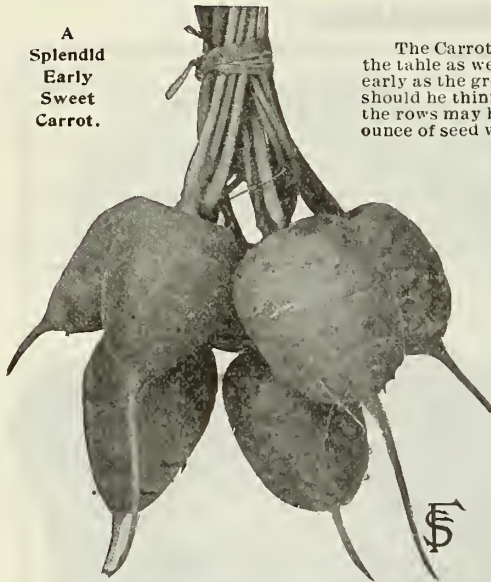
The Dry Weather or Danish Giant Cauliflower you sent me last year was just fine. I never had such splendid cauliflower before.

Mrs. Rud. Kueng, Neillsville, Wis.

F. S. & N. Co's Selected Extra Early Snowball.

## CARROTS, TABLE VARIETIES.

A  
Splendid  
Early  
Sweet  
Carrot.



Guerande or Oxheart.

**CHANTENAY**—An early main crop carrot for the market gardener. A first class table variety; stump rooted, and about 5 to 6 inches long and broad-shouldered. The flesh is of a beautiful, rich orange color and of the finest quality; is medium early with small tops. Undoubtedly is one of the best in quality for the market and private garden, while its great productiveness makes it very desirable as a field sort. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**EARLY SCARLET HORN**—(Stump Rooted). Popular for forcing and early garden use. Roots are of medium size; flesh deep orange, fine grained; of agreeable sweet flavor; small top. Fine for bunching for the market. Packet 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**LONG RED ALTRINGHAM**—A well known standard sort. Roots are smooth, fine grained, of large size, beautiful dark red color and of superior quality. The yield is very large, especially on light deep soil. Excellent carrot for table use as well as for stock feed and should be grown more extensively. Packet 5c, oz. 10c, ¼ lb. 25c, lb. 85c, prepaid.

**IMPROVED LONG ORANGE**—(Pointed Rooted). The standard late variety; very handsome and uniform in shape; deep orange color; good flavor; yields very heavily. Requires a deep soil; plants should stand 8 inches apart in 18 inch drills for roots to attain full size. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, prepaid.

## BEST CARROTS FOR STOCK USE.

The value of the Carrot as a food for stock is not appreciated in this country as it should be. They make a wholesome addition to the winter feed for stock and are very valuable when fed to dairy cows, producing an increased flow of rich milk and imparting a beautiful golden-yellow color to the butter. They should be fed regularly to horses, particularly to colts in winter and spring, and condition powders will not be needed, and distemper and similar diseases will not be known. We urge a more general use of carrots among our customers for feeding stock, knowing their value will be appreciated when better known.

**VICTORIA**—The largest and unquestionably the heaviest cropping yellow carrot in cultivation. The roots are remarkably fine, very symmetrical, and of excellent quality, possessing high feeding properties. It is especially adapted for rich land, altho a heavy cropper on all soils. It is easily harvested, as the roots grow largely above the ground. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, p/p'd.—Lb. 65c, 5 lbs. \$3.00, not p'd.

**MASTODON**—This will give the greatest yield per acre of any carrot grown. The roots are short, and very heavy at the shoulder, consequently they are very easily harvested. The flesh is white, crisp, solid and very sweet in flavor. A yield of 15 to 20 tons and more per acre is very frequently obtained. They do not easily break in pulling for storing. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.—Lb. 65c, 5 lbs. \$3.00, not prepaid.

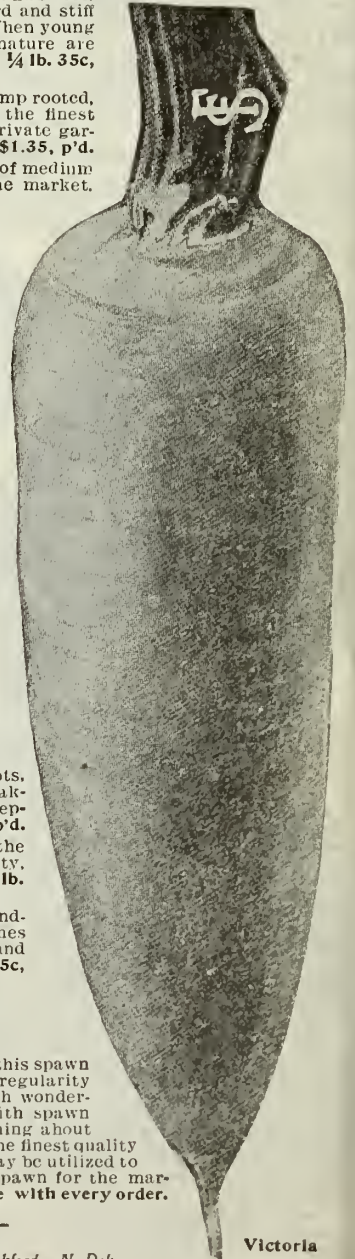
**LONG WHITE BELGIAN**—A variety with long, slender roots, about one third of which grows above the surface of the ground, thus making it easy to pull. It is very productive, highly nutritious and a good keeper. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 65c, prep'd.—Lb. 55c, 5 lbs. \$2.35, not p'd.

**LARGE YELLOW BELGIAN**—This sort is very similar to the White Belgian, except in color. Its strong point is its keeping quality, making it of special value for late feeding. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 65c, prepaid.—Lb. 55c, 5 lbs. \$2.35, not prepaid.

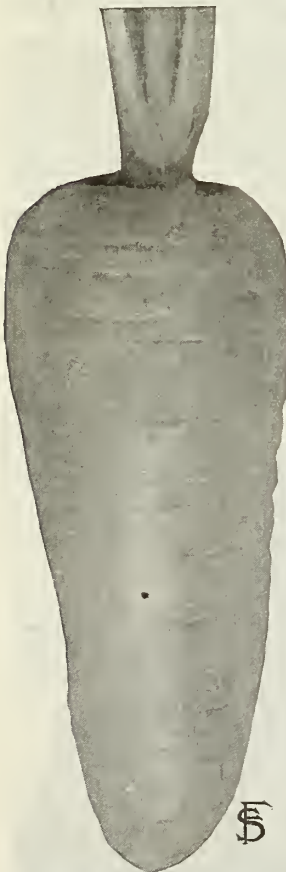
**RED ST. VALERY or INTERMEDIATE**—A large and handsome carrot with very straight roots, broad at the top and 10 to 12 inches long. Yields very heavy crops in rich light soil. Splendid for stock and good for table use. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, prepaid.—Lb. 55c, 5 lbs. \$2.50, not prepaid.

## MUSHROOMS.

**DIRECT PURE CULTURE SPAWN**—The process by which this spawn is obtained not only insures mushrooms true to type with extraordinary regularity and uniformity but the mushrooms which spring from this spawn in such wonderful numbers come to maturity much more quickly than is the case with spawn manufactured on any other system. This spawn comes in bricks weighing about 1½ pounds; a brick will spawn a bed of 10 square feet. Mushrooms of the finest quality can be grown with ease almost the year thru. A shed, cellar or cave may be utilized to advantage for this purpose. We recommend our Direct Pure Culture Spawn for the market gardener and private planter. Pamphlet on mushroom culture free with every order. Brick 40c, prepaid.—5 bricks \$1.50, 10 bricks \$2.50, not prepaid.



Victoria



Superior Market.

Your Seeds were all good and the packets so well filled I could not use all.

ANNA ROFFLER, New Rockford, N. Dak.

## CELERY.

One ounce of seed will make about 2500 plants. The seed should be started in shallow boxes or hot-bed. Sow thickly and cover lightly, keep well watered and transplant when 2 inches high, in rows 3 feet apart and 6 inches apart in the row. For home use celery is often grown in double rows, 10 inches apart, without trenching, and banked for winter storage, just where it grows, without lifting.

**F. S. & N. CO'S GOLDEN SELF-BLANCHING**—This is the best celery for early use, in fact the only variety now grown extensively for all markets as an early celery. The plants are of a yellowish green color, but when maturing, the inner stems and leaves turn a beautiful golden yellow, which adds much to their attractiveness. It is self-blanching to a remarkable degree, altho boards are generally used to hasten the bleaching. The handsome color, crispness, tenderness, freedom from stringiness and the fine nutty flavor of this variety make it only necessary to ho tried in order to establish it as the standard of excellence as an early sort. We handle of this variety only the originator's seed, grown in France, which is the most expensive, yet by far the best in the market; having a larger trade on this celery, we are able to buy at the lowest figure and can therefore sell at reasonable prices. We guarantee, however, our stock to be fully equal to the best high-priced seed of other seedsmen and to give good results. Price: Packet 15c, 1/2 oz. 60c, oz. \$1.00, 1/4 lb. \$3.50, lb. \$13.00, prepaid.

**AMERICAN GOLDEN SELF-BLANCHING**—Owing to the very short crop of the best French grown seed, we offer American grown seed of this leading variety. This seed was grown from best selected French stock seed, and is the finest obtainable in this country. Pkt. 10c, oz. 35c, 1/4 lb. \$1.20, lb. \$4.00, prepaid.

**GIANT PASCAL**—We recommend it as being of the very best quality for fall and early winter use. It blanches to a beautiful yellowish white color, is very solid and crisp and of a fine nutty flavor. The stalk is very thick, the upper portion nearly round, but broadening and flattening toward the base, blanching very quickly with little banking up. An admirable keeper. One of the best kinds for the market gardener. Packet 5c, oz. 15c, 1/4 lb. 45c, lb. \$1.50, prepaid.



Golden Self-Blanching Celery.

**WHITE PLUME**—This is the earliest and an easily blanched celery. Plants grow rapidly and when maturing the inner stems and leaves turn white; they blanch naturally, but in order to produce close, attractive bunches, the stalks should when three-quarters grown, be drawn together and the soil pressed around the plants, which will then in a short time be fit for use. Our seed is grown in northern France, where the climate and soil are especially adapted for growing celery, the finest seed being produced there. We procure our stock from the same grower who furnishes our Golden Self-Blanching and who has a world-wide reputation for growing the best celery seed. Pkt. 5c, oz. 20c, 1/4 lb. 60c, lb. \$2.00, prepaid.

**DWARF GOLDEN HEART**—A long keeping Golden Dwarf of established merit. The heart is large, surrounded by a shapely solid stalk. The heart blanches a beautiful yellow after storing; it requires little trimming for market as it is so shapely and solid. It has attained great popularity in many celery growing sections. Pkt. 5c, oz. 15c, 1/4 lb. 45c, lb. \$1.50, prepaid.

**WINTER QUEEN**—Probably the most desirable winter celery ever introduced, keeping longer than any other variety. It is of dwarf, compact growth, with again as large a heart as any other celery. The leaves blanch to a beautiful creamy white, and are firm and solid. The flavor is sweet, nutty and delicious, leaving nothing to be desired. Splendid for market and the home garden. Packet 5c, oz. 20c, 1/4 lb. 60c, lb. \$2.00, prepaid.

**OLD CELERY SEED**—Used in place of fresh celery, for soups, pickles, etc. Oz. 5c, 1/4 lb. 10c, lb. 35c, prepaid.

## CELERIAC.

**TURNIP ROOTED CELERY**—This popular German vegetable is worthy of more extensive cultivation. The roots, which are used in salads or boiled like parsnips or turnips, have a celery flavor that is particularly pleasant to those who like celery. The roots keep well all winter.

**LARGE ERFURT**—Roots large, smooth, turnip-shaped and of excellent flavor. Pkt. 5c, oz. 20c, 1/4 lb. 60c, lb. \$2.00, prepaid.

**APPLE SHAPED**—Roots large, round and smooth. Of very fine flavor and a splendid keeper. Pkt. 10c, oz. 30c, 1/4 lb. 85c, lb. \$3.00, ppd.

## LEEK.

A species of onion, highly esteemed for flavoring soups, being of more delicate flavor than the onion. Sow the seed and care for the young plants as for onions, but give them more room for full development. When cultivating, draw the earth to the plants, so that they may be well blanched by the time they are fit for use. One ounce of seed for 100 feet of drill; 4 pounds per acre.

**GIANT EXHIBITION**—On account of its large size and attractive appearance, this variety is ideal for growing to show at exhibitions and market. Produces its extra large, thick shoots very quickly. In quality it is better than any other variety, the white stems being of mild flavor. A profitable sort for the market gardener and excellent for the kitchen garden. Packet 10c, oz. 20c, 1/4 lb. 75c, lb. \$2.50, prepaid.

**LONDON FLAG**—This is the variety generally cultivated in this country. It is hardy and of good quality. Pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. \$1.25, prepaid.

**LARGE MUSSELBURG**—Plants of enormous size, with large and broad leaves of mild and pleasant flavor. Pkt. 5c, oz. 15c, 1/4 lb. 45c, lb. \$1.50, prepaid.

## OKRA OR GUMBO.

The young seed pods of this plant are used for the well known and delicious "Gumbo" soups. Easy to grow. Plant in spring as soon as danger of frost is past. Cultivate the same as corn.

**WHITE VELVET**..... Pkt. 5c, oz. 8c, 1/4 lb. 15c, lb. 50c, prepaid.

**LONG GREEN** ..... Pkt. 5c, oz. 8c, 1/4 lb. 15c, lb. 50c, prepaid.

**DWARF GREEN**..... Pkt. 5c, oz. 8c, 1/4 lb. 15c, lb. 50c, prepaid.

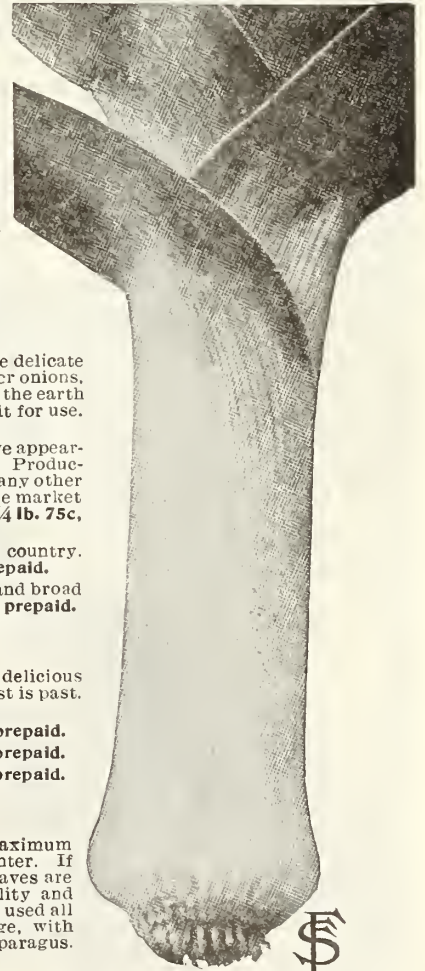
## SWISS CHARD. "Lucullus".

Also called "Cut and Come Again" Spinach. This vegetable gives maximum returns for little care and space, it yields a constant crop from July to winter. If your garden space is limited, Swiss Chard must have a place. The leaves are used for greens the same as spinach or beet tops; they are equal in quality and easier to prepare than spinach, and are far superior to beets. Can be used all summer when spinach is not available. Later the leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like asparagus. Packet 5c, oz. 15c, 1/4 lb. 35c, lb. \$1.25, orepaid.

**DO NOT OVERLOOK OUR 1916 "SURE CROP" VEGETABLE SEED COLLECTION on third cover page.**



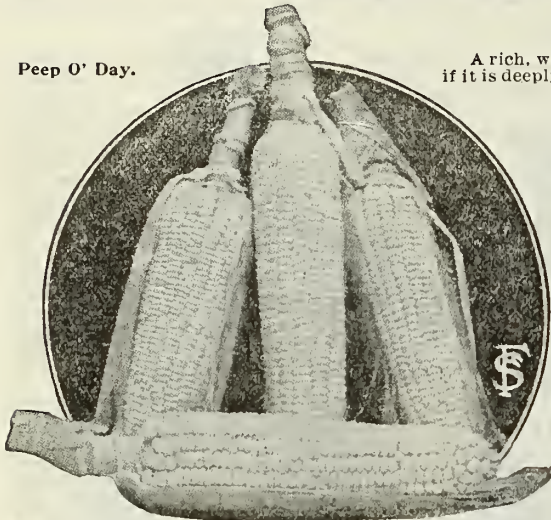
White Plume Celery.



Leek.

## SWEET CORN.

Peep O' Day.



A rich, warm soil is the best, but excellent sweet corn can be raised on any good, ordinary soil if it is deeply and thoroughly worked before planting. Plant in hills, 3 or 4 feet apart each way or sow in rows  $4\frac{1}{2}$  feet apart, placing seeds about 8 inches apart in the rows. First planting may be done as soon as danger from frost is past, for succession plant every 2 weeks until July. Give frequent and thoro but shallow cultivation until the tassels appear. One quart will plant about 200 hills; one-third bushel per acre.

**NOTICE:**—The legal weight in Minnesota of all varieties of Sweet Corn is 48 pounds per bushel. Our prices are based on this weight; some states specify only 45 lbs per bushel.

### Extra Early Varieties.

**IMPROVED PEEP O' DAY**—The earliest true sweet corn. The best extra early variety for the Northwest. This variety is very dwarf, from  $3\frac{1}{2}$  to 4 feet high; each stalk produces from 3 to 5 ears, which are mostly ten-rowed and about 5 inches long. The kernels are smaller than those of the Cory and are deliciously sweet; of great value to the market gardener. The stalks of Peep o' Day being small, it should be planted close together; say about 8 to 10 inches apart in rows, with the rows just far enough apart to admit cultivation. Our seed is grown on our farms here. **Packet 5c,  $\frac{1}{2}$  pint 15c, quart 35c, prepaid.—Quart 25c,  $\frac{1}{2}$  peck 70c, peck \$1.25, bushel \$4.50, not prepaid**

**F. S. & N. CO'S GOLDEN BANTAM**—The earliest and sweetest yellow grained variety. Positively the best flavored and sweetest of all early varieties of sweet corn. An extra early sort of extreme hardness, allowing

very early planting. The stalks grow about four feet high and bear 2 to 3 ears, 5 to 7 inches in length, which are completely filled with 8 rows of golden yellow grains, extending to the rounded tip. This is without exception the richest flavored of all sweet corn and should be in every garden. Especially adapted for planting in the Northwest, on account of its hardness and ability to withstand unfavorable weather. May be planted late in the summer for early fall use. Our seed stock is best quality, Minnesota grown. **Packet 5c,  $\frac{1}{2}$  pint 15c, quart 40c, prepaid.—Quart 30c,  $\frac{1}{2}$  peck 85c, peck \$1.50, bushel \$5.00, not prepaid.**

**F. S. & N. CO'S WHITE MEXICAN**—A white variety which has all the good qualities of sweetness and flavor of the old dark type. It is one of the earliest to mature, furnishing edible ears from 4 to 6 days ahead of Cory. The ears, in size and shape are like those of the Black Mexican. For the home garden as well as for market it is one of the best. **Packet 5c,  $\frac{1}{2}$  pint 15c, quart 35c, prepaid.—Quart 25c,  $\frac{1}{2}$  peck 60c, peck \$1.00, bushel \$3.50, not prepaid.**

**FIRST OF ALL**—Well known early variety with medium sized ears, which are 8 to 10 rowed. Kernels are broad, white and very sweet. It is a splendid first early sort for the market as well as for the home garden, especially suited for our north-western states. **Packet 5c,  $\frac{1}{2}$  pint 10c, quart 30c, prepaid.—Quart 20c,  $\frac{1}{2}$  peck 60c, peck 90c, bushel \$3.25, not prepaid.**

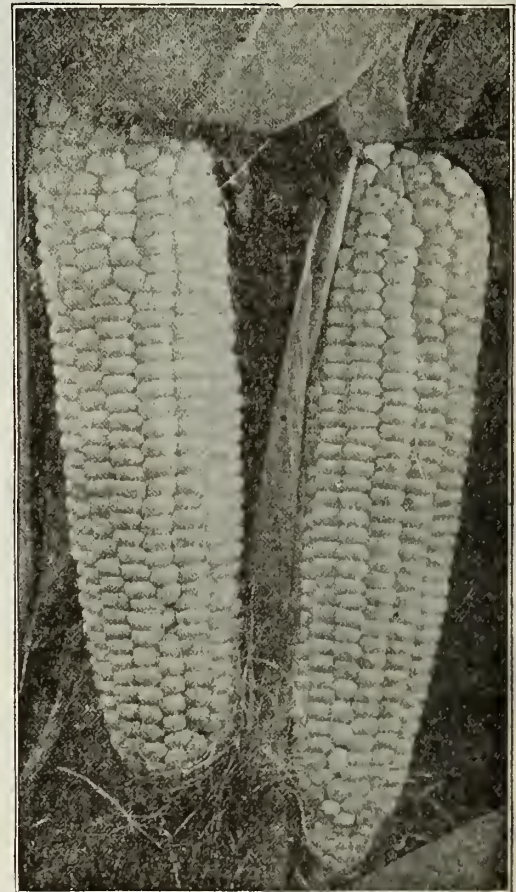
### Early Varieties.

**F. S. & N. CO'S MAMMOTH WHITE CORY**—The largest and best early variety. Each stalk produces two or more large, fine-shaped ears, which are fit for use before those of any other large sort. The ears are 12-rowed, very symmetrical and handsome, with no openings between the rows at the base. The kernel is large, broad, very white and of remarkably good quality. The size and beauty of this variety give it a ready sale, even when the market is over-stocked. The best variety for the northern garden, and now extensively grown for early corn by market gardeners in this state. **Packet 5c,  $\frac{1}{2}$  pint 15c, quart 35c, prepaid.—Quart 25c,  $\frac{1}{2}$  peck 60c, peck \$1.00, bushel \$3.50, not prepaid.**

**EARLY WHITE COB CORY**—Well known old variety. The stalks are usually  $4\frac{1}{2}$  feet high and bear 2 or even 3 ears, which are 8-rowed, with large, somewhat coarse, but very sweet and tender grain. **Packet 5c,  $\frac{1}{2}$  pint 10c, quart 35c, prepaid.—Quart 25c,  $\frac{1}{2}$  peck 60c, peck \$1.00, bushel \$3.50, not prepaid.**

**EARLY MINNESOTA**—This old and deservedly popular variety is one of the best early sorts for the market and private garden. The stalks grow about 5 feet high, bearing one or two ears, which are long and 8-rowed, kernels very broad, sweet and tender, not shrinking much in drying. Our stock will be found uniform and of the best quality. **Packet 5c,  $\frac{1}{2}$  pint 10c, quart 35c, prepaid.—Quart 25c,  $\frac{1}{2}$  peck 60c, peck 95c, bushel \$3.25, not prepaid.**

**CROSBY'S EARLY**—This is a favorite second-early variety with 10 to 12 rows of fine grains of excellent quality. The ears are about 7 inches in length; is largely used for canning. **Packet 5c,  $\frac{1}{2}$  pint 10c, quart 35c, prepaid.—Quart 25c,  $\frac{1}{2}$  peck 60c, peck 95c, bushel \$3.25, not prepaid**



Mammoth White Cory.

F. S. & N. Co's Golden Bantam.  
The Quality Sweet Corn.



### Medium Early Varieties.

**F. S. & N. CO'S EARLY CHAMPION**—The most popular and largest of the second early sorts. Season a little later than Mammoth White Cory. The ears are large, very uniform and covered with 12 rows of pure white kernels which are very sweet, tender, full of milk, not too large, but just the right size; cob is thin and white. A good yielder, producing usually 2 or 3 ears to the stalk. Excellent for both early and late planting. **Packet 5c,  $\frac{1}{2}$  pint 10c, quart 35c, prepaid.—Quart 25c,  $\frac{1}{2}$  peck 60c, peck \$1.00, bu. \$3.50, not prepaid**

**KENDEL'S EARLY GIANT**—A variety of great merit. The ears are large, measuring 8 to 9 inches long, thick thru, with 10 or more rows of plump and purest white kernels, that are of the most deliciously sweet and sugary flavor. Very early for such a large eared sort. Gardeners report this sweet corn ready for use in 60 days when grown on sandy soil, and in 72 on heavy ground. Kendel's Early Giant has given the best satisfaction to both market gardeners and home gardeners alike, and the demand for this superior variety is increasing each season. **Pkt. 5c,  $\frac{1}{2}$  pint 10c, quart 35c, prepaid.—Quart 25c,  $\frac{1}{2}$  peck 60c, peck \$1.00, bushel \$3.50, not prepaid.**

MEDIUM EARLY VARIETIES OF SWEET CORN CONTINUED ON NEXT PAGE.

**SWEET CORN. Continued.**

**Medium Early Varieties. Continued.**

**GOLDEN CREAM** — The new early Yellow Country Gentleman. The kernels are long and pointed, the cob is very slender, and the whole ear about as long as Golden Bantam. The flavor is remarkable; in fact, very much the same as Golden Bantam. The habit of growth is rather dwarf and the stalks bear 2 to 4 ears. The color of the kernels, at eating stage is a rich cream, cooking to a light golden yellow. The quality is extra fine and the flavor delicious. Pkt. 5c, ½ pint 15c, quart 40c, prepaid.—Quart 30c, ½ peck 90c, peck \$1.65, not prepaid.

**OLD COLONY** — A remarkably productive, medium early variety, averaging 3 ears on every stalk. The ears are of large size and well filled out. In quality, flavor and sweetness it is not excelled. For market and home garden it can be well recommended. A great favorite for canning on account of the long kernels. Pkt. 5c, ½ pint 10c, quart 30c, prepaid.—Quart 20c, ½ peck 50c, peck 90c, bu. \$3.25, not prepaid.

**BLACK MEXICAN** — This corn, when in condition for the table, cooks remarkably white, but the ripe grain is black or bluish-black. It is unsurpassed in tenderness and fine quality. For family use we consider it the most desirable second early sort. Stalk about 6 feet high. Packet 5c, ½ pint 10c, quart 30c, prepaid.—Quart 20c, ½ peck 50c, peck 90c, bu. \$3.25, not prepaid.

**HICKOX IMPROVED** — A very prolific corn, every stalk ordinarily producing two large, fully developed ears. The grain is very white, large, handsome, tender and sweet. This is one of the best varieties for canners' use; their season will be lengthened by planting the Hickox at the same time as Stowell's. Pkt. 5c, ½ pint 10c, quart 35c, prepaid.—Quart 25c, ½ peck 60c, peck \$1.00, bu. \$3.50, not prepaid.

**Late Varieties.**

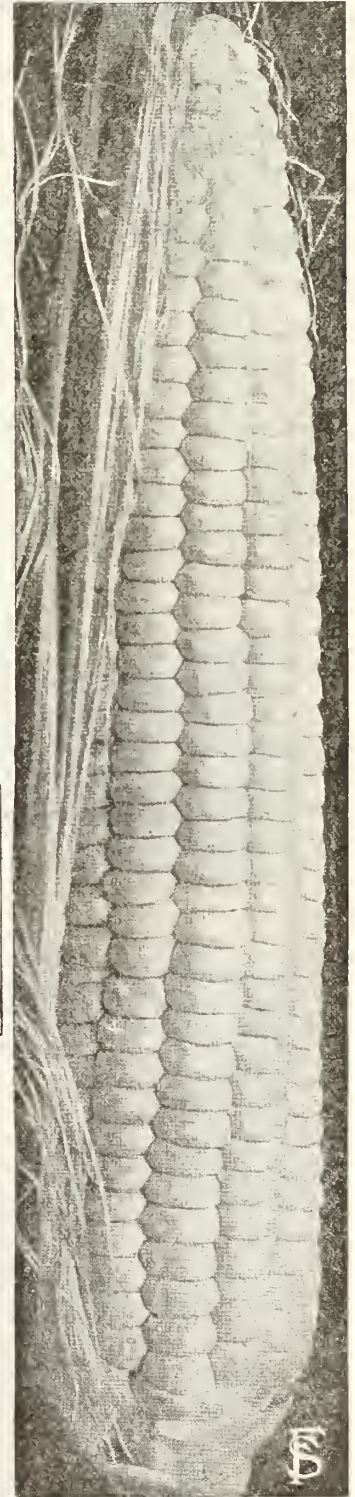
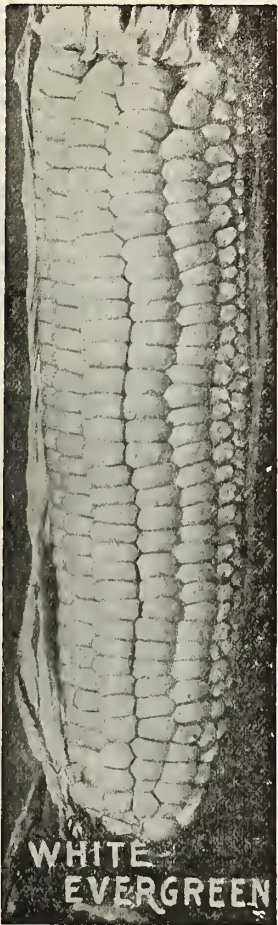
**F. S. & N. CO'S WHITE EVERGREEN** — Bred from one pure white-grained ear, discovered in the Stowell's Evergreen, it has been developed into a beautiful, white, large-eared Evergreen variety. It has slimmer and shorter stalks, broader and more vigorous, deep green foliage, and is earlier by several days in producing ears suitable for the table than the Stowell's. Grains are pure white, very sugary and are tightly set from butt to tip. The ears remain long in edible condition, like all true Evergreens. A most desirable variety for the home garden, and especially for the canner. Pkt. 5c, ½ pint 10c, quart 35c, prepaid.—Quart 25c, ½ peck 60c, peck \$1.00, bu. \$3.75, not prepaid

**NEW EARLY EVERGREEN** — In this variety we have all the good qualities of that old standard, Stowell's Evergreen, with quite an important point in addition, namely that of earliness. It is about ten days earlier, with fully as large an ear; and also equal to it in every other respect. Packet 5c, ½ pint 10c, quart 35c, prepaid — Quart 25c, ½ peck 60c, peck \$1.00, bu. \$3.50, not prepaid

**STOWELL'S EVERGREEN** — Recognized everywhere as the standard variety for market and home use. Remains longer in the green state than most other sorts. Very large ears with deep and remarkably sweet grains. Our stock is of the best quality, grown from selected ears. Packet 5c, ½ pint 10c, quart 30c, prepaid.—Quart 20c, ½ peck 60c, peck 95c, bu. \$3.50, not prepaid.

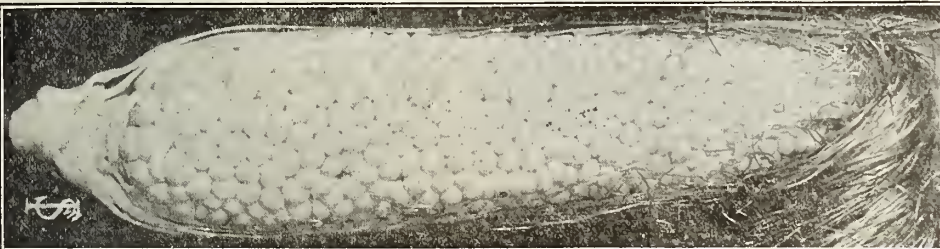
**COUNTRY GENTLEMAN** — One of the sweetest and most delicious of all sweet corn. It is extremely productive, the stalks averaging three ears and sometimes have as many as five. The small, irregular kernels are very deep and pure white in color. Ears average 9 inches in length. It is a late main crop sweet corn, which should have a place in every home garden as well as in the market gardener's field. Our seed stock is especially fine. Packet 5c, ½ pint 15c, quart 35c, prepaid.—Quart 25c, ½ peck 75c, peck \$1.25, bu. \$4.50, not prepaid.

**MAMMOTH SUGAR** — The largest late variety, having ears of mammoth size, with 14 to 18 rows. Quality excellent and not exceeded by other kinds. It is a week later than Stowell's Evergreen. The stalks are very large. Pkt. 5c, ½ pint 15c, quart 40c, prepaid.—Quart 30c, ½ peck \$1.00, not prepaid.



in every home garden as well as in the market gardener's field. Our seed stock is especially fine.

Quality excellent and not exceeded by other kinds. It is a week later than Stowell's Evergreen. The stalks are very large. Pkt. 5c, ½ pint 15c, quart 40c, prepaid.—Quart 30c, ½ peck \$1.00, not prepaid.



Country Gentleman.

**F. S. & N. CO'S SUCCESSION COLLECTION OF SWEET CORN.**

The following varieties, when planted at the same time, will produce a continuous supply of Sweet Corn of finest quality, from early summer until frost.

**PEEP O' DAY**—The earliest variety.

**MAMMOTH WHITE CORY**—Second early.

**BLACK MEXICAN**—Medium late

**STOWELL'S EVERGREEN**—Late.

We make the following special prices for the collection.

1 packet each of the 4 varieties named, 20c, prepaid	1 quart each of above 4 varieties, 75c, not prepaid
½ pint " " " " " 40c, " "	½ peck " " " " " \$2.00, " "
1 pint " " " " " 65c, " "	

**POP CORN.**

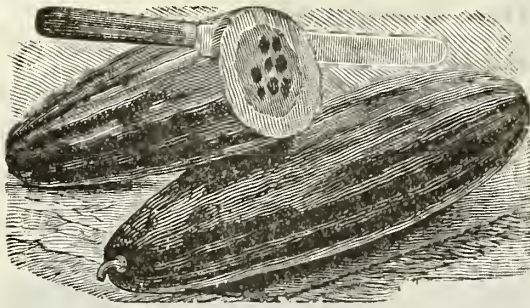
Pop Corn is a very profitable crop, yields well even in unfavorable seasons and there is always a good market for it. May be planted quite late in season, which is another advantage. Plant at the rate of 5 to 6 quarts per acre in drills 3 feet apart, dropping the seed 1½ feet apart in the rows. Or plant in hills, using 2 to 3 quarts of seed per acre.

**WHITE RICE**—The leading market sort and largely planted everywhere. Packet 5c, ½ pint 15c, quart 45c, prepaid.—Lb. 15c, 5 lbs. 50c, 10 lbs. 75c, 100 lbs. \$6.50, not prepaid.

**QUEEN'S GOLDEN**—The exceeding tenderness when popped, together with the delicious and delicate taste, make this variety one of the best. Is preferred by many to the white seeded kinds. Packet 5c, ½ pint 15c, quart 45c, prepaid.—Lb. 15c, 5 lbs. 60c, 10 lbs. \$1.00, 100 lbs. \$7.50, not prepaid.

**NEW JAPANESE RICE**—The Quality Pop Corn. Most tender and of delicious flavor when popped, without any hard particles, melts in your mouth. Try it once, you will not be without it again. The ears are short and thick, with deep kernels. Packet 10c, ½ pint 20c, quart 60c, prepaid.

Stowell's Evergreen.



Early Green Cluster.

**BOSTON or GREEN PROLIFIC**—A distinct and very productive variety. Fruits bright green, medium sized, slender, smooth, symmetrical, crisp and tender. Used almost exclusively by all the pickle factories in the western states. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, prepaid.

**EARLY GREEN CLUSTER**—Fruits of the slim form desirable for small pickles; is very prolific, frequently setting fruits in clusters of two and three. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, prepaid.

**IMPROVED LONG GREEN**—One of the best for slicing and pickles. The vines are very vigorous and productive and the fruits, about 12 inches long, are formed almost as early as those of the short sorts. They are firm, crisp and of fine flavor. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**NEW EVERBEARING**—Very early, enormously productive, and valuable as a green pickler. The peculiar merit of this variety is that the vine continues to produce fruit until killed by frost, whether the ripe cucumbers are picked off or not, differing in this respect from all other sorts. The fruit is of medium size, perfect in shape, of a fine green color. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

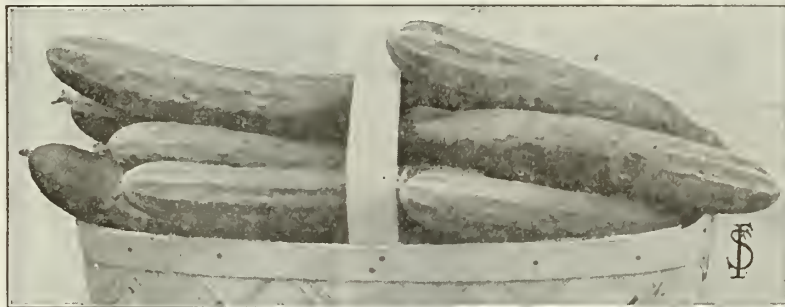
### WHITE SPINE VARIETIES.

**EARLIEST of ALL**—This is the earliest type of White Spine grown. The fruits are small but of fine quality and attractive dark green color, changing to white when ripe. This variety is much used by pickle factories for packing in bottles; the cucumbers being straight, blunt ended and very firm, make very handsome, showy pickles of the best quality. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**F. S. & N. CO'S NORTHWESTERN BEAUTY**—An early, most shapely and productive strain of the Improved White Spine, of a rich green color thruout its entire length and very straight and symmetrical. We have improved the old variety by careful selection of the finest specimens for seed stock, and recommend this variety to the private gardener as well as those who grow for profit. Pkt. 10c, oz. 20c, ¼ lb. 45c, lb. \$1.35.

**CUMBERLAND PICKLE**—The fruits grow 9 to 10 inches in length, are of light green color and are thickly covered with small spines; they are very attractive and of fine quality. Excellent for both pickles and slicing. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, prepaid.

**EXTRA EARLY WHITE SPINE**—The leading sort grown by Southern truckers to ship to Northern markets; used more than any other kind for forcing under glass, and one of the best sorts for table use.



Davis Perfect.

a good market gardener sort and very popular in the Southwest to ship north. Quite hardy, producing fair crops, even under such unfavorable conditions as cause other sorts to fail. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, prepaid.

**IMPROVED EXTRA EARLY ARLINGTON WHITE SPINE**—The handsomest and most productive variety of the White Spine sorts. Without exception the most profitable cucumber for market gardeners, and equally desirable as a family garden sort. Only a few days later than the Extra Early White Spine, but the fruits are longer, more slender and of finer shape. The cucumbers are very straight, symmetrical and of deep green color thruout their entire length, never turning yellow. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, p'd.

**GIANT PERA**—A most prolific late variety of very large size, measuring from 18 to 22 inches long. Fine for exhibition purposes. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50, prepaid.

**GHERKIN or BURR**—For pickling only; the very small fruits are roundish long, about 2 inches, very prickly when green. Must be used for pickling when young. Pkt. 10c, oz. 20c, ¼ lb. 60c, prepaid.

## CUCUMBERS.

Plant the seed three-fourths of an inch deep in hills 4 to 6 feet apart each way, according to the variety, about corn planting time, allowing 10 seeds to the hill. As soon as the plants commence to run, remove all but 3 or 4 of the most promising ones in each hill. Cultivate frequently as long as the vines will permit. One ounce of seed for 50 hills, 2 to 3 pounds per acre. Use "Slug Shot" to kill cucumber bugs and worms, see page 42.

**F. S. & N. CO'S EARLIEST PICKLING**—This variety we believe to be the earliest and best strain of all pickling cucumbers. The vines are of vigorous growth and harder than other varieties, therefore permitting early planting. The fruits are of medium size, slim in shape, of superior quality. More prolific than any other cucumber we have ever tried. For the gardener our Earliest Pickling will prove a money maker. Pkt. 10c, oz. 15c, ¼ lb. 45c, lb. \$1.25, prepaid.

**EARLY FRAME or EARLY SHORT GREEN**—Desirable for pickles of medium size, and of fine quality when sliced for the table. A little later than the Early Cluster; keeps green for a long time. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, p'd.

**CHICAGO or WESTERFIELD PICKLING**—Fruits of medium length, somewhat thicker than the Boston and deep green in color, with large, prominent spines; extremely prolific. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, prepaid.



Boston or Green Prolific.

Very early with vigorous and prolific vines, uniformly straight fruits of dark green color and tender flesh of excellent flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, p'd.

**DAVIS' PERFECT**—This cucumber is a carefully selected strain of Extra Long White Spine and is a remarkably attractive fruit, very long, slim and dark green, measuring from 12 to 18 inches. The fruits keep their color until ripe, when they turn white; the flesh is very tender, brittle and of fine flavor. An excellent cucumber for both outdoor planting and forcing. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**EXTRA LONG or EVERGREEN WHITE SPINE**—A popular sort of White Spine with market-gardeners. Beautiful, long, smooth and straight fruits of fine, shiny, dark green color, measuring 10 to 14 in. in length, with white, crisp, tender flesh. A fine table variety and an excellent sort to grow under glass. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

**KLONDIKE**—A hybrid sort of the White Spine type, about the size of the Extra Early sort. It is a wonderful keeper, very early, of fine dark green color; produces fair crops, even under such unfavorable

**JAPANESE CLIMBING**—This sort grows quickly, climbing poles or trellises, thus taking up very little room in the garden. The fruits are of good size and fine flavor, adapted especially for slicing and salads. Does best in dry, warm summers. Pkt. 5c, oz. 15c, ¼ lb. 35c.

**LEMON CUCUMBER**—The fruits are nearly round, with yellow and green markings and smooth skin. The flesh is crisp, with a sweet flavor surpassing that of all cucumbers. For pickling they can be used either green or ripe. Can also be used for Mangoes like melons. Pkt. 10c, oz. 25c, prepaid.

**SERPENT or SNAKE**—A great curiosity; the cucumbers grow several feet in length and are usually much twisted. Pkt. 5c, oz. 20c.

**WHITE WONDER**—The fruits of this new variety are very large, smooth, of even size and beautiful, clear snow-white color, wax-like in appearance. Pkt. 10c, oz. 20c, ¼ lb. 60c, prepaid.



Improved Extra Early

Arlington White Spine.

## CHICORY.

**LARGE ROOTED**—Much used in Europe as a substitute for coffee. In the fall the roots should be taken up and dried, and when required for use, should be roasted and ground like coffee. In spring the leaves make a good salad, and are used extensively for this purpose.

Pkt. 5c, oz. 15c, ¼ lb. 50c, prep'd.



Chicory.

## CHIVES.

An onion-like plant, which by some is highly esteemed for use as a salad, and the green stems afford a very pleasant onion flavor for soups. The plant also makes an excellent ornamental garden bed edging, which may frequently be cut, a new growth of leaves appearing soon after each cutting. The seed may be sown in rows in the garden or in boxes and transplanted. After 2 or 3 years the plants may be taken up, divided and reset. Packet 10c, ½ oz. 35c, prepaid.

## ENDIVE.

**WHITE CURLED**—A very beautiful sort of which the leaves are very light colored, even the outer ones being nearly white. They are very crisp and tender. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.35, ppd.

**MOSS CURLED**—One of the best autumn, winter or spring salads. Plants form large, dense clusters of finely divided, green leaves, which when properly blanched, are exceedingly crisp and tender. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.20, ppd.

**BATAVIAN**—Large heads of broad, thick leaves, which can be blanched as salad or used for cooked greens. A very fine variety. Packet 5c, oz. 15c, ¼ lb. 35c, lb. \$1.20, prepaid.

## GARDEN HUCKLEBERRY.

See page 73.

## GROUND CHERRY.

See Strawberry Tomatoes. Page 73.

## KOHLRABI.

Sow the seed early in spring, in rows 18 inches apart. Thin out to 8 to 10 inches.

**EARLIEST ERFURT DELICATESSE**—The earliest and finest sort for market and the private garden. Flesh is white, of excellent flavor, very tender and juicy. Leaves are short, permitting close planting. Best for forcing. Packet 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.

**EARLY WHITE VIENNA**—Very handsome, white fruit. Excellent both for forcing and open ground; flesh white and very tender; leaves short. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prep'd.

**EARLY PURPLE**—Very similar to the above, except in color, which is a bright purple. A desirable variety. Packet 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.



EARLY WHITE VIENNA  
KOHLRABI



Endive, Moss Curled.



## EGG PLANT.

**NEW YORK IMPROVED LARGE PURPLE SPINELESS**—The plants are large, vigorous, spreading, and the fruits are very large, oval, of glossy dark purple color; usually four to eight fruits are produced by a plant. Our stock has been obtained by years of most careful selection and we have today the finest strain of all Mammoth Purple Egg Plants, the fruit growing to an immense size, being very early and entirely spineless. Packet 5c, oz. 30c, ¼ lb. \$1.00, lb. \$3.65, prepaid.

**EARLY LONG PURPLE**—A very early variety with long fruits of rich dark purple color and fine quality. Especially recommended for the North. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$3.00, prepaid.

**BLACK BEAUTY**—Desirable for the northern states. Earlier than New York Spineless. The fruits are broad, thick, of most attractive form and finest flavor. Their rich, lustrous, purple black color is very uniform. Packet 5c, oz. 30c, ¼ lb. \$1.00, lb. \$3.65, prepaid.

**NEW Highbush or Tree**—An excellent tall growing variety, bearing its large fruits well above the ground, thus escaping liability to rot. The fruit is very solid and of best quality. The plant resists drought and bad weather to a remarkable degree. Pkt. 10c, oz. 35c, ¼ lb. \$1.25, prepaid.

## COLLARDS.

**GEORGIA, SOUTHERN OR CREOLE**—We offer the true white or green stemmed sort so extensively used in the South, where it furnishes an abundance of food for the table or for stock. Forms a large open head of leaves on a tall stem. Freezing does not injure, but rather improves the quality. Packet 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

## CORN SALAD.

**LARGE ROUND-LEAVED, LARGE-SEEDED**—This is a hardy, quick growing plant; the leaves furnish a good substitute for lettuce during the winter; can also be cooked and used like spinach. Sow in August or September. The plant will mature in 4 to 6 weeks. It can also be sown early in the spring like other lettuce. Packet 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.



Corn Salad.

**GARLIC**—Garlic is much esteemed for flavoring soups, stews, etc. The root or bulb is composed of many small bulbs called "cloves" which are planted in the spring. Easily grown everywhere. Bulbs, ¼ lb. 15c, lb. 45c, prepaid.—5 lbs. \$1.50, not prepaid.

## CRESS.

**FINE CURLED OR PEPPER GRASS**—Quick growing; leaves finely cut and feathery, ornamental, crisp and pungent, very refreshing. Packet 5c, oz. 8c, ¼ lb. 20c, lb. 60c, prepaid.

**WATER CRESS**—Highly esteemed as a salad during spring and fall. Also used as a garnish for meats during the winter. Pkt. 5c, oz. 35c, ¼ lb. \$1.25, ppd.

## MUSTARD.

Mustard is not only used as a condiment, but the green leaves are used as a salad or cut and boiled like spinach.

**WHITE ENGLISH**—Leaves are comparatively smooth and deeply cut; color medium dark green. Seed is much used for flavoring, in pickles, etc. Packet 5c, oz. 8c, ¼ lb. 15c, lb. 45c, prepaid.

**SOUTHERN GIANT CURLED**—Leaves light green, frilled and much crimped at the edge. Highly esteemed in the South for its vigorous growth and good quality. Packet 5c, oz. 8c, ¼ lb. 20c, lb. 60c, prepaid.

**HORSE RADISH.** See pages 104 and 106.

**MUSHROOMS.** See page 54.

## VINE PEACH.

The fruits are about the size of a large peach, oval shaped, and of a bright orange-yellow color, somewhat russeted. For sweet pickles, pies and preserves they are superb. Require the same cultivation as musk melons; are easily grown and wonderfully prolific. Full directions for growing, canning and preserving on each packet. Pkt. 5c, oz. 15c, ¼ lb. 45c, prepaid.



NEW YORK IMPROVED  
EGG PLANT

## LETTUCE.

Lettuce seed should be sown very early in the spring and at intervals of 15 days for a succession; sow the seed in shallow drills — being careful to firm the soil well over the seed and thin to 4 inches apart in row. One ounce of seed will sow 75 feet of rows, 4 to 5 lbs. per acre.

### CURLED OR LOOSE LEAVED.

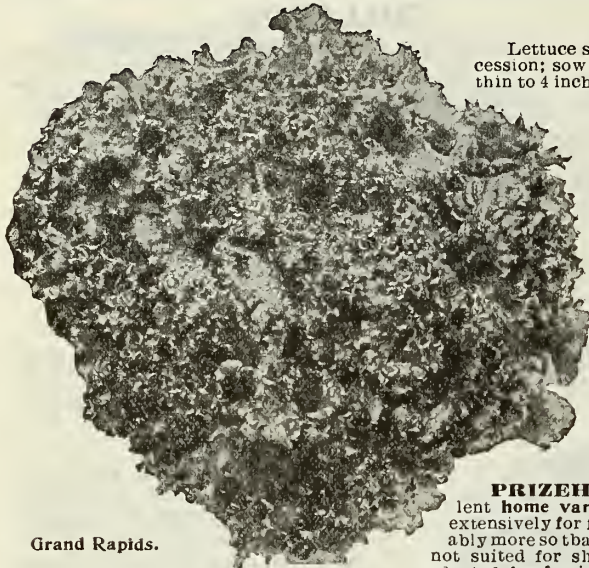
**GRAND RAPIDS**—The best and most profitable sort for forcing. Almost exclusively grown by market gardeners. A splendid shipper, not apt to rot. The plant is upright and forms a loose head or a cluster of light green leaves. One of the very best leaf lettuces for the home garden. Packet 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**BLACK-SEEDED SIMPSON**—One of the best and most largely planted bunching varieties; excellent for forcing as well as for growing outdoors. Distinctly a market gardener's sort, but also very satisfactory for home use, as it is very reliable and easily grown; it succeeds during summer when more delicate sorts are failures. A good shipper, remaining a long time in condition for use. Leaves broad, crumpled and blistered and of light green color and fine quality, sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c, prepaid.

**SIMPSON'S EARLY CURLED.** (Seed white)—Early, erect growing. Leaves broad, often frilled and blistered and formed into a loose head; light green in color; sweet, tender and well flavored. May be sown thickly and cut when plants are very young. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 70c, prepaid.

**DENVER MARKET**—An early variety of loose headed type, either for forcing or open ground. Forms good sized heads of light green color. Leaves are handsomely marked and blistered, similar to a Savoy cabbage. Very crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**PRIZEHEAD**—An excellent home variety and planted extensively for family use, probably more so than any other kind; not suited for shipping and not adapted for forcing.



Grand Rapids.

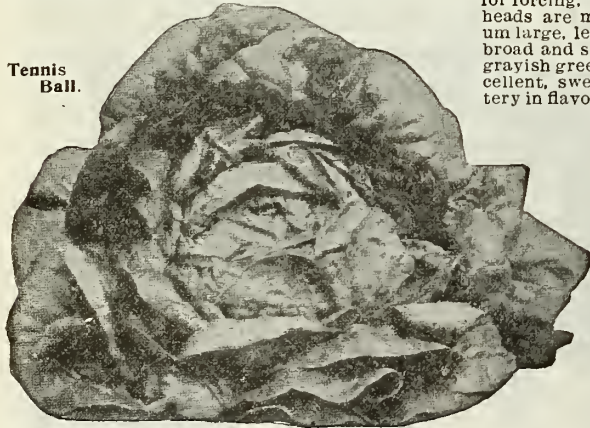
The plant consists of a loose cluster of leaves, of bright brown color, varying to light green; the quality is very fine, sweet in flavor, tender and crisp. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 70c, prepaid.

### CABBAGE or HEADING VARIETIES.

**F. S. & N. CO'S MAY KING**—The earliest head lettuce. Equally desirable for market and the home garden. Heads medium sized with outer leaves folding close to the head, thus permitting close planting for frame work; color light green, outer leaves tinged slightly brown; heart of a beautiful appetizing yellow; quality excellent, leaves being exceedingly tender. Packet 5c, oz. 10c, ¼ lb. 35c, lb. \$1.25, prepaid.

**THE DEACON or ST. LOUIS BUTTER**—A lettuce of the highest quality, a splendid variety for the market gardener as well as for home use. It stands the summer well, is very reliable, sure heading and very attractive. Reported to be the best head variety for forcing. The heads are medium large, leaves broad and smooth, of a peculiar grayish green color. Quality excellent, sweet and decidedly buttery in flavor, crisp and tender.

Tennis Ball.



firm, well blanched heart, with outer leaves of rich, glossy green color, spotted with brown, the most buttery flavored variety. Pkt. 5c, oz. 8c, ¼ lb. 25c, lb. 75c, p'p'd.

**WONDERFUL or NEW YORK**—A large late variety of very good quality, fine flavor, sweet and crisp and of dull green color; a good shipper. A favorite variety with market gardeners near New York; one of the best for the private garden; unfit for forcing. Excellent for midsummer, withstands heat remarkably well and is slow to run to seed. Packet 5c, oz. 8c, ¼ lb. 25c, lb. 75c, prepaid.

**BIG BOSTON**—A very popular sort with market gardeners all over the country; succeeds well in late fall, but also a good summer lettuce and fine for forcing. Hardy, reliable, a sure header, and a splendid shipper. The plants form large compact heads, leaves of light dull green color with light brown border. Packet 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

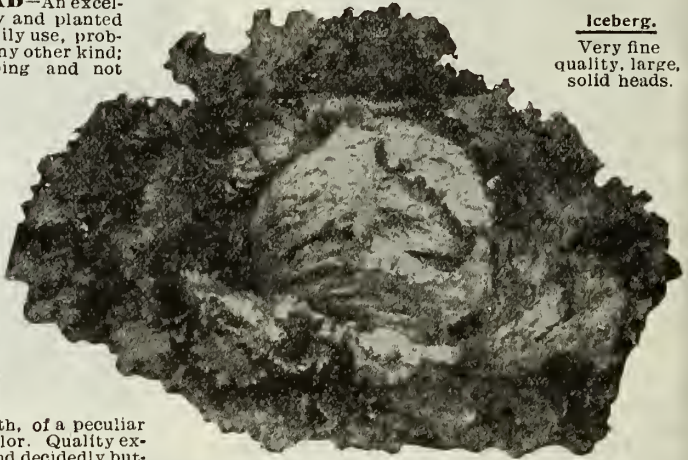
**COS LETTUCE. White Self Folding**—Of a distinct upright habit. The heads grow to a large size and are self-closing. Is considered by many to be the highest quality of all lettuces. Very crisp and sweet. Packet 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**MIXED VARIETIES LETTUCE**—Fine for the home garden. Packet 5c, oz. 10c, ¼ lb. 25c, prepaid.

I cannot help but praise your Vegetable Seed. Will give you a few accounts—Some heads of Cabbage, All-Head or Surprise, weighed 19 pounds; Late Flat Dutch, 20 pounds. Some Cauliflower, Early Snowball, 15 1/4 pounds. I raised 191 bushels of Eckendorf Mangel Würzel on 45 square rods, some weighed 14 1/2 pounds. Raised 667 bushels Purple Top White Globe Turnips on 149 square rods; they average about 8 pounds apiece.

GEO. H. BUSHMAN, Abbotsford, Wis.

Iceberg.  
Very fine  
quality, large,  
solid heads.



A leading summer lettuce. Packet 5c, oz. 8c, ¼ lb. 25c, lb. 75c, prepaid.

**TENNIS BALL. Black Seed**—Also called Salamander, All Heart and Market Gardener's Private Stock. One of the best head lettuces; succeeds everywhere and at all seasons. It is a sure header, and an excellent shipper. We can highly recommend it for both private and market gardener's use. The plants are medium size, with broad leaves of light green color, blistered and crumpled, the quality is excellent, delicate, sweet and buttery in flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, prepaid.

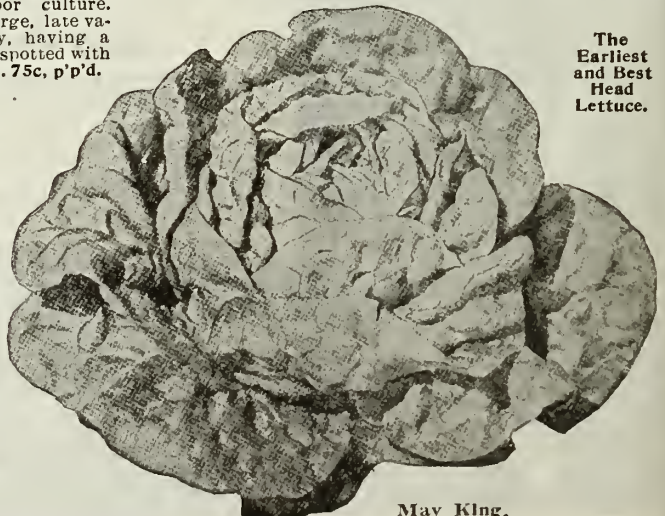
**GIANT ICEBERG**—An extremely hard heading, large variety. Leaves have small indents and are of a yellowish green color. Good for home and market. The quality is very fine. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**HANSON**—The standard summer cabbage-heading variety for either the home or market gardener. Very reliable and a sure header. Not suited for growing indoors. A very large, late variety, forming a very hard head of light green color, and of the best quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, p'p'd.

**CALIFORNIA CREAM BUTTER**—Especially recommended to the private gardener; very hardy, succeeds well everywhere, but not suited for indoor culture.

A large, late variety, having a

The  
Earliest  
and Best  
Head  
Lettuce.

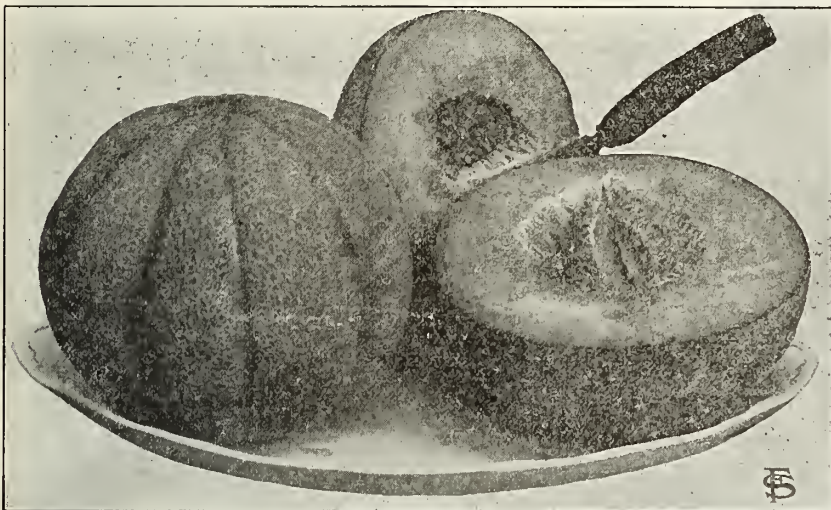


May King.



## MUSK MELON.

Earliest varieties ready in 80 to 100 days from sowing. General crop requires 115 to 140 days. Melons thrive best in a light, rich soil. Plant when the ground has become warm and dry, and danger of frost is past, in hills 6 feet apart each way, in well enriched soil, 12 to 15 seeds in a hill. After all danger of the bugs is over thin out to 3 plants per hill. One ounce will plant about 60 hills, three pounds per acre. Use "Slug Shot" to kill melon bugs and worms; see page 42.



New Fordhook

### Salmon Fleshed Sorts.

**NEW FORDHOOK**—This melon is a cross between Emerald Gem and the Old Prize Jenny Lind. The vine is a strong, vigorous grower, branching freely and frequently setting five to nine melons close to the hill. The fruits grow very even and regular in size and attractive in appearance, slightly flattened at both ends and they are roughly netted. The flesh is very thick, color an attractive deep orange and of delicious flavor. Remarkably early and a good shipper. Packet 5c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.

**F. S. & N. CO'S NETTED OSAGE**—This new melon is a great improvement of the old popular Osage, as it is a few days earlier and of much finer appearance, the rind being of dark green color and covered with thick gray netting. With this new feature the Netted Osage combines all the good qualities of the old sort and is fully equal to it in size, luscious flavor and shipping qualities. Packet 10c, oz. 20c, ¼ lb. 45c, lb. \$1.50, prepaid.

**OSAGE**—Fruits large, oval, with dark green skin, slightly ribbed and moderately netted; flesh is deep salmon colored, very thick and of the finest quality. One of the best melons for the home garden and also for the market; a good keeper and shipper. More extensively grown by market gardeners in the Northwest than any other variety. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 5 lbs. \$4.50, prepaid.

**F. S. & N. CO'S YELLOW MEATED JAPAN**—This variety is a splendid shipper and for the private garden no better melon can be found. The flesh is thick, salmon colored, melting and of a rich, sweet, delicious flavor. Fruits are of large size, nearly round, slightly ribbed and covered with patches of netting; skin yellowish-white when ripe. A heavy yielder, quite early. Grown extensively for the market. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.25.

**HOODOO**—Considered one of the finest orange-fleshed musk melons for shipping. The size is just right (about the same as Rockyford). The flesh is of deep orange color and extremely thick, there being only a small seed cavity. The netting is ideal, heavy and close; the melon is solid and heavy. Wonderfully prolific and produces very fine quality melons quite early. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

**BURRELL'S GEM**—A new melon of the Rockyford type, with orange yellow meat of delicious flavor; a fine keeper and good shipper. One of the finest melons grown. Size same as the full-sized Rockyford melons (6 in. long, weighing about 2¼ lbs. each); shape elongated; meat very thick, fine grained and spicy. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 5 lbs. \$4.50, prepaid.

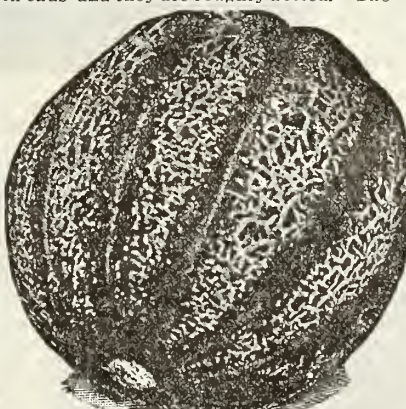
**EMERALD GEM**—Fruit medium sized, globular, but somewhat flattened at the ends, perfectly smooth and ribbed. Skin deep green while fruit is young, becoming tinged with yellow as it matures; flesh deep salmon-yellow, thick, ripening close to the rind, and exceedingly high flavored. A splendid variety which has but few equals for the home garden. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.15, prepaid.

**SHUMWAY'S GIANT**—Largest of all musk melons. Flesh is rich, melting and sugary. A splendid large melon to grow for exhibition purposes and home use. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50, prepaid.

**BANANA**—This melon attains a length of 18 to 30 inches, is 2 to 4 inches in diameter and has flesh of orange-yellow color and exquisite flavor. The fruit resembles a banana in appearance and aroma. A fine melon for the home garden. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.35, prepaid.

**STRAWBERRY**—A melon with the delicious flavor of the strawberry. Its smooth, deep flesh is salmon red. The skin is green, turning yellowish when ripe. The fruits are of desirable size, weighing 6 to 8 pounds. Fine for the home garden. Pkt. 10c, oz. 25c, ¼ lb. 75c, prepaid.

**WINTER KING**—A long keeping variety. See Novelties.



Osage.

### Green Fleshed Sorts.

**NEW BUSH**—See Novelties.

**MINNESOTA MELTING SUGAR**—The sweetest, richest flavored of all green-fleshed musk melons. Fruits are of just the right size for market, oval in form, distinctly ribbed and heavily netted. The flesh is very firm, of attractive green color, exceptionally sweet, sugary, juicy and tender, with a rich aromatic flavor and entirely free from stringiness. The melons are all of uniform size, and everyone is of the same high quality. Vines are of vigorous, healthy growth, yielding an abundant crop quite early in season. Packet 10c, oz. 15c, ¼ lb. 45c, lb. \$1.75, prepaid.

**EXTRA EARLY HACKENSACK**—This is a selection of the popular Hackensack, ripening fully 10 days earlier. The melons are of good size, heavily ribbed and netted, and have thick, light green flesh of fine flavor; they are very early, hardy and prolific and one of the best varieties to grow for the market. Packet 5c, oz. 10c, ¼ lb. 30c, lb. 95c, 5 lbs. \$4.00, prepaid.

**HACKENSACK OR TURK'S CAP**—The fruits are of good size, round, heavily ribbed and netted, with thick, firm, green flesh of excellent flavor. Hardy and productive. Packet 5c, oz. 10c, ¼ lb. 25c, lb. 85c, prepaid.

**EXTRA EARLY CITRON OR EARLY NUTMEG**—A small round melon, valuable on account of its extreme earliness and great productivity. The skin is green, becoming yellowish at maturity. The flesh is light green, sweet and of good quality. Packet 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 5 lbs. \$4.50, prepaid.

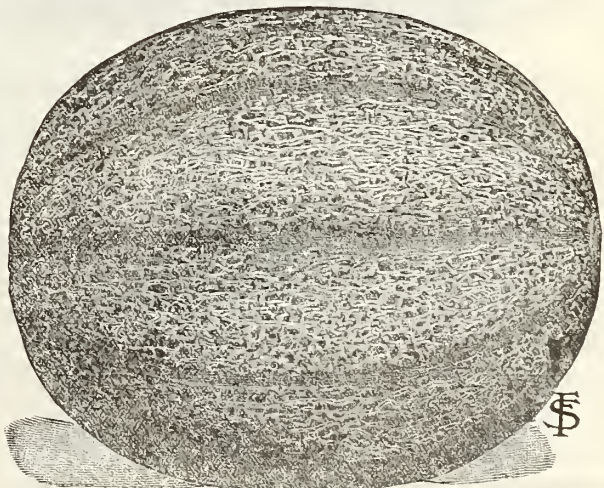
**IMPROVED LARGE GREEN NUTMEG**—Vines vigorous, hardy and productive; fruit large, round, slightly flattened at both ends, ribbed and covered with coarse netting; flesh very thick and of the finest flavor. Very fine for home garden. Pkt. 5c, oz. 8c, ¼ lb. 25c, lb. 85c, prepaid.

**MONTREAL MARKET**—This is a very large-fruited variety of superior quality. The fruits are nearly round in form, slightly flattened at the ends, with very large, broad, heavy ribs and dark green skin, thickly covered with heavy netting. The flesh is 2 inches thick, light green, melting and of delicious flavor. This is one of the hand-somest varieties to grow for exhibition. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 5 lbs. \$4.50, prepaid.

**NETTED GEM OR ROCKYFORD**—A popular small or basket melon. The fruit is oval, slightly ribbed and covered with fine netting. Flesh thick, green, very sweet and of the finest flavor. Our seed is taken from carefully selected melons. Packet 5c, oz. 10c, ¼ lb. 25c, lb. 75c, 5 lbs. \$3.25, prepaid.

**RUST RESISTING ROCKYFORD**—This melon represents the highest development of the Rockyford melons as to quality, beauty and rust resisting properties. The melons are covered over the entire surface with heavy gray netting; their flavor is not excelled by that of any green meated sort and there is no better shipper. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.40, prepaid.

**ROBINSON'S DELICIOUS ROCKYFORD**—See Novelties.



Netted Gem or Rockyford.

## WATER MELONS.

The soil for water melons should be light, rich and sandy. When there is no more danger of frost, drop 8 to 10 seeds in hills 8 to 10 feet apart each way, covering about  $\frac{1}{2}$  inch deep. As soon as the plants commence to run, thin out to 3 best plants in a hill and cultivate until the vines cover the whole ground. If slow to fruit, pinch off the ends of the growing shoots. One ounce of seed for 30 hills; 4 to 5 pounds per acre. Use "Slug Shot" to kill melon bugs and worms, see page 42.

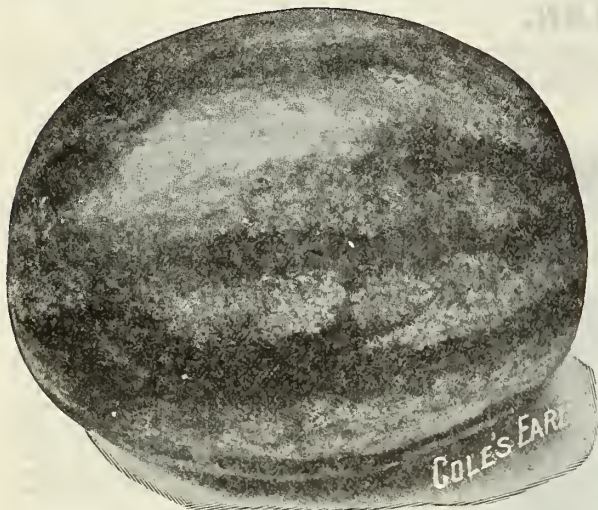
Prices except where noted: Pkt. 5c, oz. 8c,  $\frac{1}{4}$  lb. 15c, lb. 60c, prepaid, 5 lbs. and over at 45c per pound, not prepaid.

**DELIGHT**—See Novelties.

**COLE'S EXTRA EARLY**—The earliest watermelon grown and a most desirable sort for the Northwest, ripening delicious melons where none could be grown before, but it is also of great value for the Middle and Southern States, as it matures its fruits weeks ahead of other sorts. Fruits are oblong shaped and of dark green color, striped with lighter shades. The rind is thin and brittle, on which account the melons are not good for shipping, but they are one of the finest varieties for the family garden. The beautiful red flesh is of delicate texture, crisp, lusciously sweet and refreshing; there is little or no seed cavity and very few seeds. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 85c, prepaid.

**HARRIS' EARLIEST**—A splendid, large, extra early melon of exceptionally fine quality. The fruits are slightly oval, irregularly mottled dark and light green, and weigh from 25 to 40 pounds; the flesh is bright red, tender and sweet. A good shipper and one of the best for planting in the Northwest. Packet 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c, prepaid.

**EARLY FORDHOOK**—An extra early melon, nearly round in form and averaging 35 pounds in weight. The rind is of uniform light green color and is quite tough, making it a valuable variety for shipping; seeds are white.

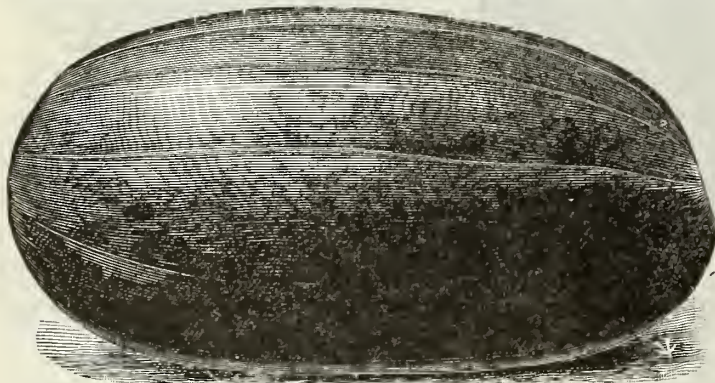


**EXTRA EARLY RUSSIAN**—We obtained the stock seed of this variety from a customer of ours living near a Russian colony in South Dakota, where these melons are highly esteemed and bring top prices in the local markets. The melons are of medium size, oblong; skin dark green, mottled yellow. Flesh is red, very free from fibre and deliciously sweet. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c, prepaid.

**TOM WATSON**—This splendid melon has become immensely popular. Typical fruits of this variety reach a size of 24 inches in length by 12 inches in diameter. The rind is dark mottled green, thin, but tough enough to endure shipping to very distant markets. Of the long shaped melons it is the best shipper. The flesh is deep red and comes very close, about  $\frac{3}{4}$  of an inch, to the rind. The exquisite deliciousness of flavor possessed by the fine quality flesh of this melon places it in the very front rank of melon excellence. For the home or market garden, or for shipping, it is a money maker for the growers. Our strain of this is not surpassed in the market. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 85c, 5 lbs. \$3.75, prepaid.

**ALABAMA SWEET**—Alabama Sweet is a dark green melon with light seeds. It is of good size, very attractive in appearance and most delicious in flavor, making it first-class for shipping purposes. Very popular in Texas and other Southern states where it is grown extensively for shipping.

**HALBERT HONEY**—The melons are hunted both at stem and blossom end. They average 18 to 20 inches in length; 6 to 8 inches in diameter. Color of rind a clear, glossy deep green. The flesh is a beautiful crimson, extending to within less than half an inch of the rind. It is essentially the melon for the home garden and for local markets. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c, prepaid.



Kleckley's Sweet.

**CUBAN QUEEN**—A favorite melon for home and market. Exterior beautifully striped and mottled. Rind thin but firm. Flesh bright red, solid, sweet and luscious. One of the best keepers of all the water melons, and a first rate shipper. Specimens of this splendid variety weighing 100 pounds have been grown. Is planted extensively for market purposes.

**KLECKLEY'S SWEET**—A large, oblong melon, 20 in. in length, by 10 to 12 inches in diameter, with dark green rind which is only about  $\frac{1}{2}$  inch in thickness. The scarlet flesh is sweet and sugary and is of such texture that it leaves no strings of pulp whatever in eating. This variety is better for home use than for shipping, and we believe it is the best table melon. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c, 5 lbs. \$3.50, prepaid.

**MCIVER'S WONDERFUL SUGAR**—This widely famous melon is of southern origin. It is of medium size, with striped or variegated exterior. The beautiful, red flesh is of perfect quality as to texture and sweetness. It is well adapted for nearby markets, but is rather delicate for long shipments. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c, 5 lbs. \$3.50, ppd.

**SWEETHEART**—Our strain is a notably sweet hearted kind for home and market use, and will hold its own (in the watermelon patch) for many years to come. Vine vigorous and productive, ripening its fruit early; fruit large, oval, very heavy, uniformly mottled light and dark green; rind thin but firm; flesh bright red, firm and solid, but very tender, melting and sweet. Excellent for shipping and home use.



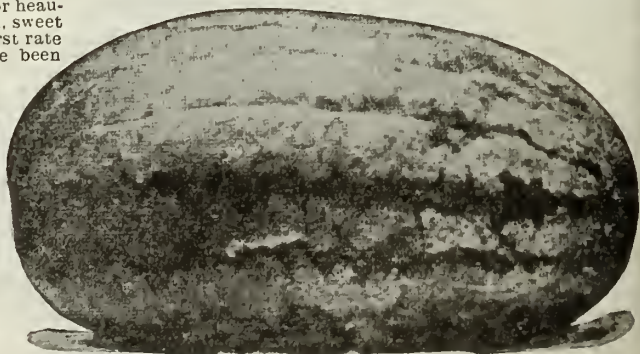
Ice Cream.

**DIXIE**—A popular market sort. Vigorous, large growing and hardy, ripening its fruits earlier than most large sorts; fruit medium size to large, about one-third longer than thick. Color of skin dark green, striped with a lighter shade; rind thin but tough; flesh bright scarlet, ripens closely to the rind, of the best quality.

**ICE CREAM or PEERLESS**—One of the best early sorts for private gardens and for market gardeners who deliver direct to consumers. Vine moderately vigorous, hardy and productive; fruit medium sized, oval, bright green and finely veined or mottled; rind thin; flesh bright scarlet, solid, crisp, tender and sweet.

**FLORIDA FAVORITE**—A beautiful, large melon of oblong shape with dark green skin, striped and mottled with lighter shades; it has a bright crimson flesh, which is crisp and deliciously sweet. A good shipper and a big cropper.

**KOLB'S GEM**—Vines remarkably vigorous and healthy. Fruit of the largest size, round or slightly oval, marked with irregular stripes of dark and light green. Rind exceedingly hard and firm, making it a good sort for shipping. Flesh bright red, solid, a little coarse, but sweet and tender. Pkt. 5c, oz. 8c,  $\frac{1}{4}$  lb. 15c, lb. 50c, 5 lbs. \$2.25, prepaid.



Mc Iver's Wonderful Sugar.

**CITRON:** GREEN SEEDED—A round, handsome fruit of small size, used for preserving only. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c, prepaid.  
RED SEEDED—Same as preceding kind, except seed is red. Price same as Green Seeded.

# A FIELD OF FARIBAULT RED GLOBE ONIONS IN FULL BLOOM AT THE F. S. & N. CO'S FARM, FARIBAULT, MINN.



## CHOICE AND RELIABLE FARIBAULT-GROWN ONION SEED.

We guarantee our Seeds to grow and produce satisfactory results if soil and season are favorable.

The most essential item in growing onions for the market is **good seed** — seed that will come up, and seed that will produce the variety you want — cheap seed is very poor economy. One ounce of seed is required for 100 feet of drill, four to five pounds per acre.

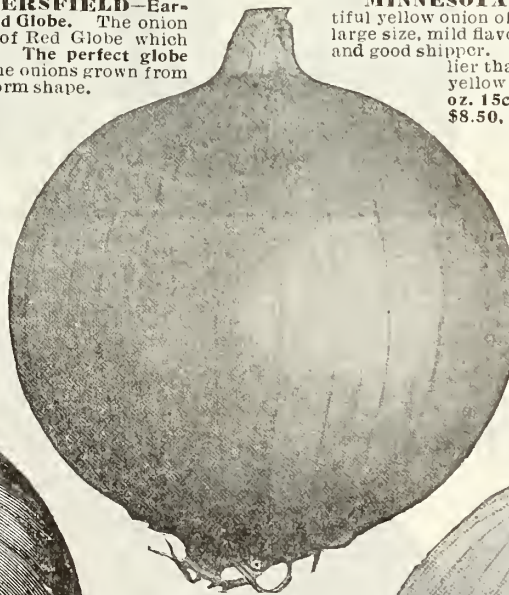
We are the largest growers of Onion Seed in the state of Minnesota and our seed is now used by most market gardeners in the Northwest, having been found superior to that grown elsewhere. Our stock is purer, and produces **much larger and better keeping bulbs** than any other strain. By many years of most careful selection of bulbs for seed growing we have established strains which are of perfect type and are the highest grade of onions obtainable up to date.

**FARIBAULT RED GLOBE WETHERSFIELD**—Earlier and more productive than the Southport Red Globe. The onion seed we offer under this name is a special strain of Red Globe which we have produced by years of careful breeding. The perfect globe type is thoroughly established in this variety, and the onions grown from this pedigreed stock are always of the most uniform shape. This variety differs from other kinds of Red Globe onions not only in purity of stock and perfection of type, but also in earliness, productiveness, beauty of color and great keeping qualities. The bulbs are of dark red color, grow to a larger size than the Southport variety and are of a most attractive appearance. We sell annually very large quantities of our Red Globe Wethersfield onion seed to growers in this state where mostly red onions are grown for shipping, and our strain is preferred by all. Packet 10c, oz. 20c, 1/4 lb. 65c, lb. \$2.25, prepaid.—5 lbs. \$10.50, 10 lbs. \$20.50, not prepaid.

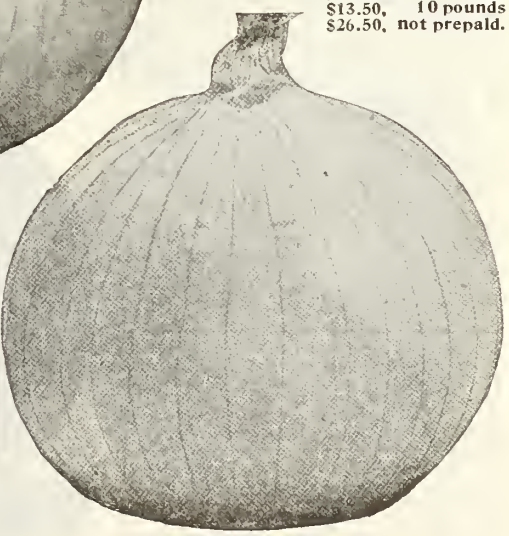
**LARGE RED GLOBE**—The best strain of Red Globe, western grown seed. Packet 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.85, prepaid.—5 lbs. \$8.50, 10 lbs. \$16.50, not prepaid.

**MINNESOTA YELLOW GLOBE**—The most beautiful yellow onion of fine globe shape, golden yellow color, large size, mild flavor, a heavy cropper, an excellent keeper and good shipper. Our strain will be found a good deal earlier than the old Southport variety. The best yellow variety to grow for the market. Pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.85, prepaid.—5 lbs. \$8.50, 10 lbs. \$16.50, not prepaid.

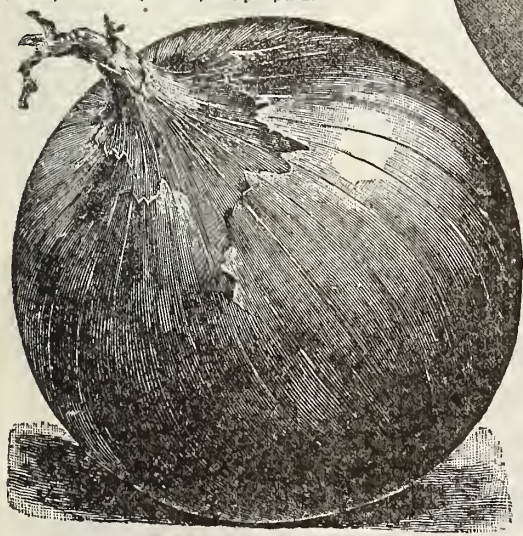
**MINN. WHITE GLOBE**—The handsomest onion grown; it sells at a higher price than all other sorts. Perfectly globe-shaped; thin, delicate skin of snow-white color. The flesh is firm, fine grained and of mild flavor; a tremendous cropper and good keeper. To get fine white onions, greater care should be exercised in harvesting and curing the crop. Pull as soon as onions are ripe enough to harvest and dry in an airy and shady place. Our strain is the earliest of all White Globe offered. Pkt. 10c, oz. 20c, 1/4 lb. 75c, lb. \$2.85, prepaid.—5 pounds \$13.50, 10 pounds \$26.50, not prepaid.



Minnesota Yellow Globe.



Minnesota White Globe.

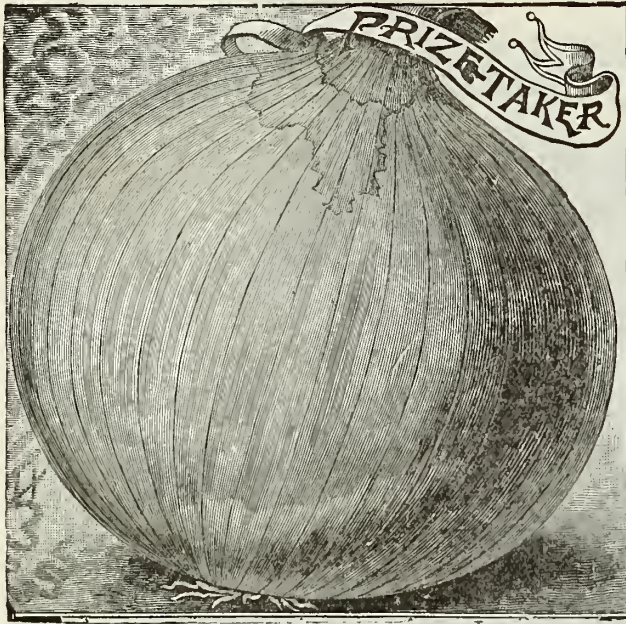


Faribault Red Globe Wethersfield.

### The 3 Best Globe Onions.

The 3 splendid Globe Onions that we illustrate on this page, we have, by years of untiring efforts in selection, brought to the highest possible standard of perfection. They are the most productive, the earliest, hardiest, and best keeping onions in existence. We offer:

1 pkt. of each,	15c, prep'd.
1 oz. " " "	45c, " "
1/4 lb. " " "	\$1.65, " "



**F. S. & N. CO'S PRIZE-TAKER**—The largest onion grown from American seed. This has become a great favorite on account of its large size and great solidity. It has proven to be an excellent keeper, and is of the finest flavor. It is handsome and very uniform in shape, nearly a perfect globe, with thin skin of a clear bright straw color. Necks are very small, and the onions always ripen down hard and present the handsomest possible appearance in the market. The flesh is pure white and fine grained, mild and delicate in flavor. They grow to immense size, measuring from 12 to 16 in. in circumference. Specimen bulbs have been raised which weighed from 4 to 6 lbs. each. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid.—5 lbs. \$8.50, not prepaid.

**YELLOW GLOBE DANVERS**—A very popular onion. Our stock is very fine and will produce bulbs about 2½ inches in diameter, almost round in shape, with brownish-yellow skin, and white flesh which is crisp and mild in flavor. Like all other Minnesota grown strains of onion seed our Yellow Globe Danvers will be found to be earlier and to produce larger and better keeping onions than seed grown elsewhere. Packet 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.—5 lbs. \$8.00, 10 lbs. \$15.50, not prepaid.

**MAMMOTH SILVER KING**—A most strikingly attractive onion. The bulbs are flattened but thick thru and the average diameter is from 5 to 7 inches; single bulbs weigh from 2 to 3 lbs. each. The onions are of a beautiful silvery-white color, and of a particularly mild and pleasant flavor, so sweet and tender that they can be eaten raw like an apple. These qualities make them the best for exhibition at fairs, and for the home table. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.25, prepaid.

**EXTRA EARLY BARLETTA**—The best variety for small pickles. It is the earliest ripening onion in cultivation. The bulbs are pure paper-white, very small, averaging only from 1 to 1½ inches in diameter; they are of flat shape and very mild flavor. To grow small pickling onions plant the seed thickly in drills, 15 inches apart, using 40 to 45 lbs. per acre. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.25, prepaid.

**QUEEN**—A very early and very small onion. Has a beautiful waxy-white color; much esteemed by house-wives. Of great value for pickling and table use. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.25, prepaid.

**EARLY WHITE WELSH**—For green onions. This kind does not form a bulb, but it is one of the best for "green onions". The plants are perennial and will remain in the ground for years. A money maker for the market gardener. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.25, p'p'd.

Enclosed my order for Onion Seed. I sowed 4 pounds of your onion seed last year and found them highly satisfactory. I was congratulated on raising the best onions ever seen in Prescott. Your Red Globes and Prizetakers are the best ever. H. H. WHEELLOCK, Prescott, Wis.

Send me some more of your Faribault Red Globe Onion seed as per enclosed order, I want no other variety. Raised some from your seed this year, got the finest bunch of onions you ever laid your eyes on. E. F. Dommer, Moorhead, Minn.

## ONIONS. Continued.

**LARGE RED WETHERSFIELD**—The Wethersfield Onion is the most largely grown red variety, and is a heavy yielder and good keeper. The stock we offer is our own growing, and we know there is no better strain raised anywhere as far as purity, beautiful form and color are concerned, and in earliness, productiveness and long keeping qualities far excels all others. The bulbs are of large size, of a round but somewhat flattened shape; deep red skin; flesh purplish-white, rather strong flavored. The best variety for poor and dry soil. The flat onions mature earlier than the globes and are therefore better adapted for the northern sections. The Red Wethersfield is the best variety for the home garden and in many sections sells at highest prices in the market. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25, prepaid.—5 lbs. \$10.50, 10 lbs. \$20.50, not prepaid.

**EXTRA EARLY RED**—This is one of the standard American onions, adapting itself to a great variety of soils and situations, succeeding even in cold, mucky ground where other sorts fail. It matures earlier than the Red Wethersfield and in rich soils grows almost as large, is also somewhat flattened, very similar to that variety. The onion is of a rich, deep red color, mild flavor, fine grained, solid and heavy, and keeps well. It is hardy and reliable and well adapted for the early market. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.—5 lbs. \$8.00, not prepaid.

**BROWN GLOBE**—This new variety is one of the best market sorts in existence; it is extremely early, forms good, large bulbs and keeps in good condition longer than any other onion. The color of the skin is a deep rich seal brown; the flesh is white, brittle and of a mild flavor. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.

**AUSTRALIAN BROWN**—Extra early, a sure cropper and a long keeper. Medium sized, hard, solid bulbs of round form and a reddish-brown color, maturing about 4 weeks earlier than the Wethersfield; do not produce scallions and are excellent keepers. Packet 5c, ounce 15c, ¼ lb. 50c, lb. \$1.75, prepaid.

**EXTRA EARLY GOLDEN GLOBE**—The earliest of all globe-shaped onions, an extra long keeper, a sure cropper and a very handsome variety. The bulbs are of beautiful globe form and run very uniform in shape and size. The skin is thin and of golden yellow color, the flesh solid, pure white, mild and pleasant in flavor. This onion has an extremely small top, generally not longer than a lead pencil; ripens very evenly in all soils. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.—5 lbs. \$9.25, not prep'd.

**WHITE PORTUGAL or SILVERSKIN**—A medium sized onion of mild flavor and with beautiful, clear white skin. A favorite with many for use when young as a bunching onion and for pickles; it is also a good keeper and fine for fall and early winter use. Used largely for the growing of white sets. Packet 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.—5 lbs. \$8.00, 10 pounds \$15.75, not prepaid.

**FLAT YELLOW DANVERS**—A fine early and productive variety of medium size. Skin is coppery-yellow; flesh creamy-white, comparatively mild and well flavored. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.30, prepaid.—5 lbs. \$5.50, 10 lbs. \$10.00, not p'p'd.

**YELLOW DUTCH or STRASBURG**—One of the oldest sorts. Of flat form; flesh white, fine grained, mild and well flavored. It is one of the best to grow for sets and a splendid keeper. Packet 5c, oz. 10c, ¼ lb. 35c, lb. \$1.30, prepaid.—5 lbs. \$5.75, 10 lbs. \$11.00, not prepaid.

Your Onion Seed is the best. I am over 80 years old and never had finer, larger and better keeping onions than I raised from your seed last year.

A. C. MOIR, Northwood, Iowa.



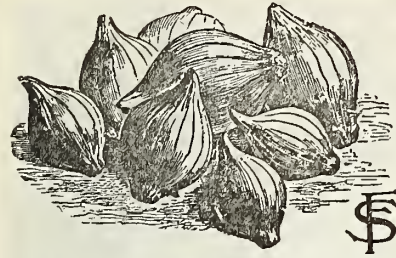
## ONION SETS.

Onion sets are planted for onions for early spring use. A quart or two is sufficient for the family garden. Onion bulbs can be produced from the Bottom Onion Sets much earlier than from seed, which allows the planter the early high market prices and permits the sowing of another crop on the land the same year. For green or bunch onions the onion sets produce a crop in half the time it takes to raise these from seed.

**YELLOW MULTIPLIERS OR SHALLOTS**—We prefer these to any other onions on account of their earliness. The latter part of June they are fully ripe, and can be harvested. They are very productive, 5 to 15 bulbs growing from one small bulb set out. **Pint 20c, quart 30c, prepaid.—½ peck 50c, peck 90c, bushel \$3.25, not prepaid.**

**WHITE MULTIPLIERS**—Color pure silvery white; very productive, frequently producing as many as 20 bulbs in a single cluster from one bulb planted. The onions are very mild and of excellent quality and size for bunching green, and can be used also for pickling. Very early and keep a long time. **Pint 25c, quart 40c, prepaid.—½ peck 75c, peck \$1.25, bu. \$4.50, not prepaid.**

**RED TOP OR BUTTON SETS**—Earliest of all. These are planted for both early "green



onions" and large eating stock. **Pint 25c, quart 40c, prepaid.—Peck \$1.50, bu. \$5.00, not prepaid.**

**YELLOW BOTTOM SETS**—Pt. 15c, qt. 25c, prep'd.—½ pk. 50c, pk. 85c, bu. \$2.75, not prep'd.

**RED BOTTOM SETS**—Pint 15c, quart 25c, prep'd.—½ pk. 50c, pk. 85c, bu. \$3.00, not prep'd.

**WHITE BOTTOM SETS**—Pt. 20c, qt. 30c, prep'd.—½ pk. 65c, pk. 1.15, bu. \$3.75, not prep'd.

**PERENNIAL OR WINTER SETS**—Also called Egyptian or Tree Onions. Produce the earliest spring onions without winter protection. Perfectly hardy and remain in the ground all the time. **Pint 15c, quart 25c, prepaid.—½ peck 40c, peck 60c, bu. \$2.00, not prepaid.**

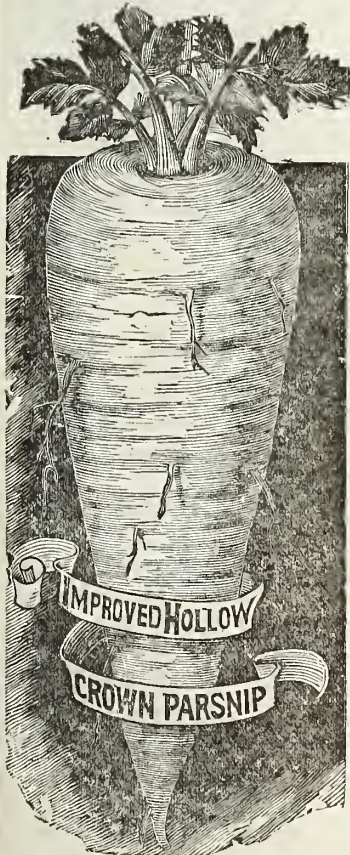
## PARSNIP.

Parsnips are highly appreciated for the table, and they are also of great value for stock feeding. Sow as early in the spring as the weather will permit, in drills 18 inches apart and ½ inch deep, in a rich, deep soil; thin out 3 to 6 inches apart in the rows. Parsnips are improved by remaining exposed to frost. One ounce to 150 feet of drill, 5 pounds for an acre.

**F. S. & N. CO'S SUGARLOAF**—The roots are of large size, very uniform in shape, and of superior flavor, excelling in richness and palatability all other sorts. **Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. 85c, prepaid.**

**LONG SMOOTH OR HOLLOW CROWN**—A great cropper; tender, sugary and considered the best for general cultivation. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, prepaid.**

**GUERNSEY**—The roots do not grow as long as those of the Hollow Crown, but are of greater diameter and more easily gathered. They are very smooth and have fine grained flesh of most excellent quality. **Packet 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.**



Moss Curled Parsley.



## PARSLEY.

One ounce to 150 feet drill. Soak the seed a few hours in luke warm water and sow early in the spring in drills one foot apart. Thin out to 4 inches. A few seeds sown in onion rows use no space. To preserve in winter transplant to a light cellar or glass frames. Used extensively for garnishing and seasoning.

**CHAMPION MOSS CURLED**—A compact growing, finely cut and densely curled variety of a deep green color. Owing to its fine color and handsome foliage, it is one of the most popular sorts. Special market gardener's strain. **Packet 5c, oz. 15c, ¼ lb. 35c, lb. 95c, prepaid.**

**FERN LEAVED**—This is most exquisite in form and color, and invaluable as a garnishing plant. Mild in flavor. **Packet 5c, oz. 15c, ¼ lb. 40c, lb. \$1.35, prepaid.**

**PLAIN**—Leaves flat and deeply cut; often preferred to others on account of the very dark color, the hardiness of the plant and its superiority for flavoring. **Packet 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.**

**TURNIP-ROOTED OR HAMBURG**—The root is the edible portion of this variety and resembles a small parsnip, both in color and shape. Flesh white, a little dry, having a flavor similar to celeriac. Very hardy and should be cultivated like parsnip. Extensively grown and used for flavoring soups, etc. Foliage same as Plain Parsley. **Packet 5c, oz. 10c, ¼ lb. 35c, lb. \$1.20, prepaid.**

## PEPPER.

Sow in hotbed early in April and transplant to the open ground when the weather is favorable, in warm, mellow soil, in rows 18 inches apart. May also be sown in the open ground when all danger of frost is past and the soil is warm. One ounce of seed to 1500 plants.

**CHINESE GIANT**—This desirable variety is undoubtedly the largest sweet pepper ever offered. The flesh is quite thick, very mild and remarkably sweet. The plants are of strong, stocky growth, of bushy, erect habit, growing 18 inches to 2 feet in height, setting 3 to 4 extra large fruits at the base, quite early in the season, which ripen while a second crop is setting on the branches. The fruit is quite square in appearance. **Packet 10c, oz. 40c, ¼ lb. \$1.15, prepaid.**

**IMPROVED LONG THICK RED**—A great improvement of the ordinary Long Red Cayenne, being of about the same length, but much thicker, having two to three times as much meat and averaging about one inch in diameter at the stem end. Exceedingly prolific, very hot and sharp. Largely grown for the market in Minnesota. **Packet 5c, oz. 20c, ¼ lb. 65c, lb. \$2.35, prepaid.**

**BULL NOSE OR IMPROVED LARGE BELL**—The sweet, scarlet fruits are three inches in length and two inches in diameter, with thick mild flesh; of excellent quality for use in salads and pickles. A most popular and desirable sort; one of the best to grow for the market. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.25, prepaid.**

**LONG RED CAYENNE**—Twisted and pointed pods about 4 inches long, of bright red color; strong and pungent. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.**

**SHELL'S QUALITY**—The Quality and Quantity Pepper. Heavy yielder of large, beautiful scarlet fruits, about 5 inches long and ¾ inches across. Very mild. **Packet 10c, oz. 30c, ¼ lb. \$1.00, prepaid.**

**NEAPOLITAN**—Especially valuable for our northern states on account of its earliness. Very prolific, fruit of large size, flesh very thick, exceedingly smooth and mild. Bright red when ripe. Similar to Bull Nose, but two weeks earlier. **Packet 10c, ½ oz. 20c, oz. 35c, ¼ lb. \$1.00, prepaid.**

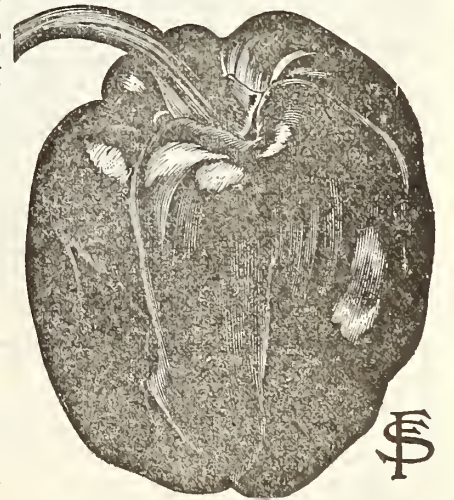
**SWEET MOUNTAIN OR SPANISH MAMMOTH**—The fruit does not ripen until very late. It is very long; often 6 inches or more in length, by three in diameter; of a rich red color. Flesh very thick, sweet and mild flavored. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.25, prepaid.**

**RUBY KING**—Handsome, extra large, scarlet fruits. Flesh thick, sweet and mild. A favorite sort. **Packet 5c, oz. 15c, ¼ lb. 50c, lb. \$1.90, prepaid.**

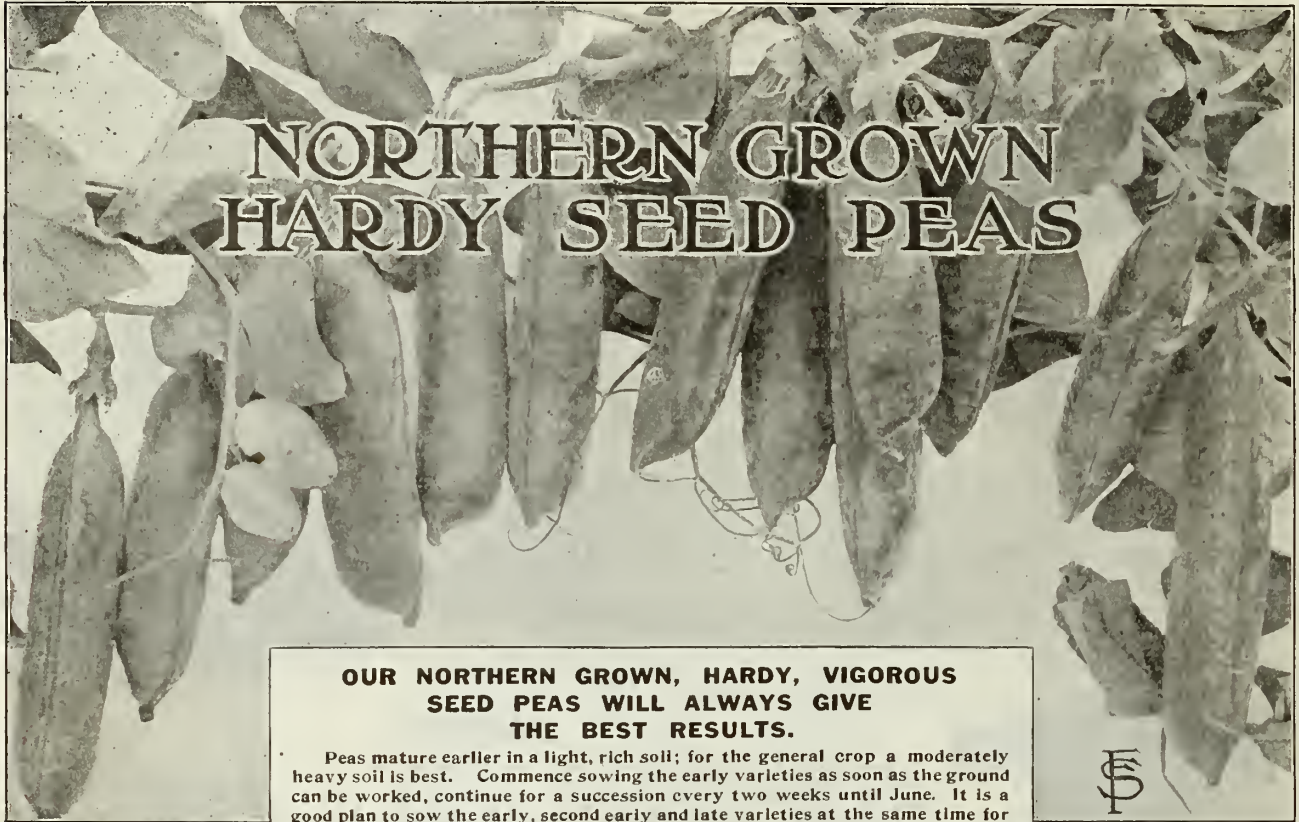
**GIANT CRIMSON**—The earliest maturing of the very large sweet peppers. The fruits are heavier on an average than any other kind, as the flesh is unusually thick. Color deep crimson when matured, flavor very mild. **Packet 10c, oz. 35c, ¼ lb. \$1.00, prepaid.**

**MAMMOTH GOLDEN QUEEN**—The fruits average larger than Ruby King. 8 to 10 inches long. Bright, waxy golden yellow, and of mild flavor. **Pkt. 5c, oz. 15c, ¼ lb. 50c, prepaid.**

FOR PEPPER PLANTS SEE PAGE 74.



Chinese Giant Pepper.



**OUR NORTHERN GROWN, HARDY, VIGOROUS SEED PEAS WILL ALWAYS GIVE THE BEST RESULTS.**

Peas mature earlier in a light, rich soil; for the general crop a moderately heavy soil is best. Commence sowing the early varieties as soon as the ground can be worked, continue for a succession every two weeks until June. It is a good plan to sow the early, second early and late varieties at the same time for succession. One quart for 100 feet of drill, 1/2 to 2 1/2 bushels per acre.

**EXTRA EARLY VARIETIES.**

**NEW SAXONIA**—The earliest large podded pea. See Novelties.

**PEDIGREE FIRST AND BEST**—Height 2 to 2 1/2 feet. This is the standard Extra Early Pea. It grows very vigorously, is very productive and ripens extremely early. Pods are medium sized, and well filled with peas of good size and fair quality. Pkt. 5c, 1/2 pint 15c, qt. 40c, prepaid.—Quart 25c, 1/2 pk. 75c, pk. \$1.30, bu. \$5.00, not prepaid.

**LIGHTNING**—Height 2 feet. A pedigree strain of First and Best and the earliest pea grown; it will produce peas fit for the table in 45 days. This strain has been produced by careful work of many years in selecting and reselecting seed stock, and excels all others in earliness, size of pods, uniformity of ripening and vigor of growth. Packet 10c, 1/2 pt. 20c, qt. 45c, prepaid.—Qt. 30c, 1/2 pk. 90c, pk. \$1.60, not prep'd

**ALASKA or EARLIEST of ALL**—Height 2 1/2 feet. An extra early blue pea; vines are very stout, and loaded with large, dark green pods, well filled with smooth, blue peas, which are very sweet. Our stock is grown from carefully selected seed. A valuable variety for the market gardener, and largely grown by canners. Pkt. 5c, 1/2 pint 15c, qt. 40c, prepaid.—Qt. 25c, 1/2 pk. 70c, pk. \$1.30, bu. \$5.00, not prepaid.

**ALASKA, KEENEY'S PURE**—Height 2 1/2 feet. This pedigree strain, which has been developed by pea experts by a most careful selection for many years, is the finest, really pure stock of Alaskas in the market. It matures practically the entire crop at one time. Of great value to the market gardener. Pkt. 10c, 1/2 pint 20c, qt. 45c, prepaid.—Quart 30c, 1/2 peck 85c, peck \$1.60, bu. \$6.00, not prepaid.

**AMEER or LARGE ALASKA**—Height 2 1/2 feet. A splendid early sort, resembling the Alaska in manner of growth, but differing from that variety in the much larger size of its pods, and in the time of ripening, which is a week later; owing to the great productiveness, the Ameer is now largely planted by market gardeners. Pkt. 5c, 1/2 pt. 15c, quart 45c, prepaid.—Quart 30c, 1/2 pk. 90c, pk. \$1.60, not prepaid.

**FILLBASKET**—Height 2 1/2 to 3 feet. The vines are of strong, sturdy growth, decidedly branching and bear an enormous crop of magnificent, large, round pods, each containing 8 to 12 peas of remarkable size and very rich and sugary flavor. Finest second early pea for market and family garden. Pkt. 5c, 1/2 pint 15c, quart 45c, prepaid.—Quart 30c, 1/2 peck 95c, peck \$1.75, not prepaid.

**EARLY TOM THUMB**—Height 12 inches. Well known dwarf pea, which is in great demand for the small home garden. Very hardy and prolific. Pkt. 5c, 1/2 pint 15c, quart 45c, prepaid.—Quart 30c, 1/2 peck 95c, peck \$1.75, not prepaid.

**EXTRA EARLY WRINKLED PEAS.**

**SURPRISE OR ECLIPSE**—Height 2 feet. (See illustration at top of page.) The earliest of all sweet, wrinkled sorts. This new variety is similar to the Alaska in size and form of the pod and in time of ripening, but has the tender quality and delicate flavor of the best wrinkled sorts, and is most desirable for those who wish an early pea with flavor and quality to please the most fastidious. A favorite with canners on account of its fine flavor. Pkt. 5c, 1/2 pint 15c, quart 40c, prepaid.—Quart 25c, 1/2 peck 85c, peck \$1.60, bu. \$6.00, not prepaid

**F. S. & N. CO'S PIONEER**—Height about 2 feet. A new Giant Podded, first-early pea which has won great popularity. The plant is unusually robust in habit, and carries a heavy crop of long, pointed pods of dark green, which are well filled with rich-flavored peas. So numerous are the pods that the plants present a most striking appearance while growing. Pkt. 10c, 1/2 pint 20c, quart 45c, prepaid.—Quart 30c, 1/2 peck \$1.15, peck \$2.00, not prepaid

**EARLY MORN**—Height about 3 feet. This grand introduction maintains its position as one of the best early marrowfat peas ever raised. It is a rapid grower, ripening earlier than either Thomas Laxton or Gradus. The best money making early pea for the market gardener. It is an enormous cropper. The pods are very large and well filled, and are often ready to pick during June. Pkt. 5c, 1/2 pint 15c, quart 45c, prepaid.—Quart 30c, 1/2 peck 95c, peck \$1.75, not prepaid.

**GRADUS OR PROSPERITY**—Height 3 to 3 1/2 feet. An extra early wrinkled pea with immense pods, as large as those of the Telephone, which contain peas of superb quality, luscious and sweet. The vine is similar in appearance to that of the Telephone, the pods are uniformly well shaped and handsome, the peas are very large and of a beautiful green color, which they retain after cooking. On account of its earliness, large sized pod and splendid quality, one of the best varieties to grow for early market. Pkt. 5c, 1/2 pint 15c, quart 45c, prepaid.—Quart 30c, 1/2 peck 95c, peck \$1.75, bu. \$6.50, not prepaid.

**THOMAS LAXTON**—Height 3 to 3 1/2 feet. An early wrinkled variety of great merit. Vine similar to that of Gradus, but darker in color. Pods are large, long, with square ends and are similar to those of the Champion of England and as uniformly well filled. The peas are very large, fine colored and unsurpassed in quality. We are certain that the earliness and productiveness of this pea need only to be known to make it one of the most popular sorts for the market and home garden. Pkt. 5c, 1/2 pint 15c, quart 45c, prepaid.—Qt. 30c, 1/2 pk. \$1.00, peck \$1.85, bushel \$6.75, not prepaid.

**F. S. & N. CO'S SUCCESSION COLLECTION OF PEAS.**

To comply with the wishes of many of our customers, we offer herewith collections of peas for the home garden, consisting of successively maturing wrinkled varieties which will furnish a continuous supply of delicious peas for the table throught the summer.

**THREE EXCELLENT TALL VARIETIES.**

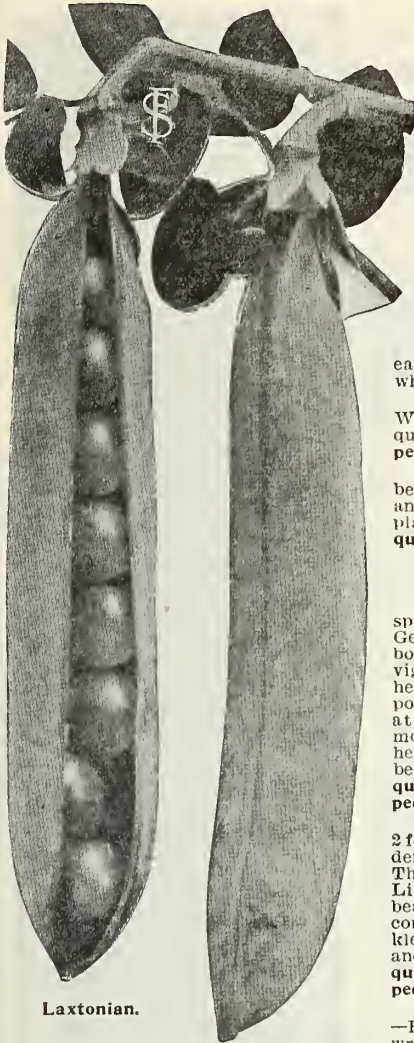
Thomas Laxton, early.	} 1 pkt. of each variety for 15c, prepaid.	
Telephone, medium.		1/2 pt. " " " " 45c,
Champion of England, late.		1 qt. " " " " 80c, not ppd
		1/2 pk. " " " " \$2.45

**THREE EXCELLENT DWARF VARIETIES.**

Sutton's Excelsior, early.	} 1 pkt. of each variety for 25c, prepaid.	
Advancer, medium.		1/2 pt. " " " " 50c,
Dwarf Telephone, late.		1 qt. " " " " 85c, not ppd
		1/2 pk. " " " " \$2.65,

**PEAS. Continued.**

**Dwarf Extra Early Wrinkled Varieties.**



Laxtonian.

**GIANT LAXTONIAN**—The New Dwarf Gradus Pea. Height about 16 inches. This is the largest podded early dwarf pea in existence, requiring no supports. Pods are as large as Telephone, well filled with 8 to 10 large peas of delicious flavor. It is a true Marrowfat Pea, having the richness and unsurpassed quality of the best late Marrowfat varieties. The vines are vigorous, producing heavy crops. Pkt. 10c, ½ pt. 20c, qt. 55c, p'p'd.—Qt. 40c, ½ pk. \$1.25, pk. \$2.35, not p'd.

**F. S. & N. CO'S LITTLE MARVEL**—Height 15 inches. The vines grow very even and uniform, and produce very abundantly good sized pods, frequently in pairs. Pods are very well filled with delicious, deep green peas and the crop is ready for use as soon as American Wonder and is more productive. An excellent variety for market on account of the very dark green pods. Pkt. 10c, ½ pint 20c, quart 50c, prepaid.—Qt. 35c, ½ pk. \$1.85, bu. \$7.00, not prepaid.

**AMERICAN WONDER**—Height 12 to 15 inches. An old variety, well known and highly prized for its flavor and quality, which are of the very best. Of dwarf, robust habit and bearing in abundance good sized, well filled pods. In great demand for the home garden. Pkt. 5c, ½ pt. 15c, quart 45c, prepaid.—Quart 30c, ½ peck 90c, peck \$1.65, bushel \$6.00, not prepaid.

**NOTT'S EXCELSIOR**—Height about 15 inches. As hardy as the earliest market sorts, but in quality equal to the Little Gem. It outyields that variety and the American Wonder and is as early as the latter. The pods are about 3 inches long and each pod contains from 6 to 8 large peas which are tender and of very fine flavor. Price same as Sutton's Excelsior.

**PREMIUM GEM**—Improved Little Gem. Height 15 to 18 inches. A trifle later than American Wonder; it is however a better yielder. Pods are 2½ to 3 inches long and are well filled with a fine quality of wrinkled peas. Packet 5c, ½ pint 15c, quart 45c, prepaid.—Quart 30c, ½ peck 85c, peck \$1.50, bushel \$5.75, not prepaid.

**SUTTON'S EXCELSIOR**—Height 18 inches. This pea is regarded by many growers as the best extra early, dwarf, wrinkled variety introduced so far. Vines of vigorous growth; pods are large and broad, of light green color; the quality is unsurpassed. Very hardy, therefore permitting early planting. The pods mature only a few days later than Nott's Excelsior. Packet 10c, ½ pint 20c, quart 50c, prepaid.—Quart 35c, ½ peck \$1.00, peck \$1.80, bushel \$6.50, not prepaid.

**Second Early And Main Crop.**

**POTLATCH or BIG DINNER**—This splendid variety ripens as early as Premium Gem, but the pods are much larger, usually born in pairs and in greatest profusion. Strong, vigorous vines of even growth, 18 to 20 inches in height, with luxuriant dark foliage, bearing pods 3½ to 4 inches in length, broad and pointed at the ends. No variety known will produce more pods, and no pods could possibly shell out better. Every gardener will find "Potlatch" to be a profitable crop. Packet 10c, ½ pint 15c, quart 45c, prepaid.—Quart 30c, ½ peck 95c, peck \$1.75, bushel \$6.50, not prepaid.

**F. S. & N. CO'S ADVANCER**—Height 2 feet. Very extensively grown by market gardeners, and also quite largely used by canners. The Advancer is nearly a week later than the Little Gem, and is of healthy, compact growth, bearing in great abundance good sized pods, completely filled with dark green, large wrinkled peas, which are exceedingly tender, sweet and finely flavored. Packet 5c, ½ pint 15c, quart 40c, prepaid.—Quart 25c, ½ peck 85c, peck \$1.50, bushel \$5.50, not prepaid.

**HORSFORD'S MARKET GARDEN**—Height 2 ft. A very fine, second early, green, wrinkled variety, not only good for family gardening but also good for market gardeners' purposes. A most prolific bearer. Pkt. 10c, ½ pint 15c, quart 40c, prepaid.—Quart 25c, ½ peck 85c, peck \$1.50, bushel \$5.50, not prepaid.

dens, but also for canners and especially for market gardeners' purposes. A most prolific bearer. Pkt. 10c, ½ pint 15c, quart 40c, prepaid.—Quart 25c, ½ peck 85c, peck \$1.50, bushel \$5.50, not prepaid.

**DWARF CHAMPION or JUNO**—Height about 2 feet. A very popular main crop sort for the market, as well as for the home garden. The vines are hardy and unusually productive. The pods are fully 4 inches long, broad, handsome and very well filled with large peas which are tender and unsurpassed in quality. Pkt. 10c, ½ pint 15c, quart 45c, prepaid.—Quart 30c, ½ peck 85c, peck \$1.50, bushel \$5.75, not prepaid.

**F. S. & N. CO'S EVERBEARING**—Height 2½ feet. Vine stout, bearing an abundance of broad pods. If these are picked as they mature, and the season and soil are favorable, the plant will throw out new branches, bearing pods which will mature in succession, thus prolonging the season. The peas are very large, tender and of superior flavor. Pkt. 5c, ½ pint 15c, quart 40c, prepaid.—Quart 25c, ½ pk. 80c, pk. \$1.40, bu. \$5.25, not prepaid.

**IMPROVED STRATAGEM**—A very fine Main Crop Dwarf Pea. Height about 20 inches. By many considered the highest quality of all peas. Vine is very robust, with large foliage. Requires no support. The pods are long, dark green in color and packed with immense peas of delicious sweetness. Fine for market and home garden. Packet 10c, ½ pint 15c, quart 45c, prepaid.—Qt. 30c, ½ pk. \$1.00, pk. \$1.75, bu. \$6.50, not prepaid.

**DWARF TELEPHONE or DAISY**—Height 18 inches. Excellent second early dwarf pea with immense pods and peas. A magnificent sort. The self-supporting, stout plants are loaded with large, bright green pods, which are always well filled, each pod containing from 8 to 10 peas of bright green color, tender and of delicious flavor. Packet 10c, ½ pint 20c, quart 50c, prepaid.—Quart 35c, ½ pk. \$1.00, pk. \$1.85, bu. \$7.00, not prepaid.

**Edible Podded Sugar Peas.**

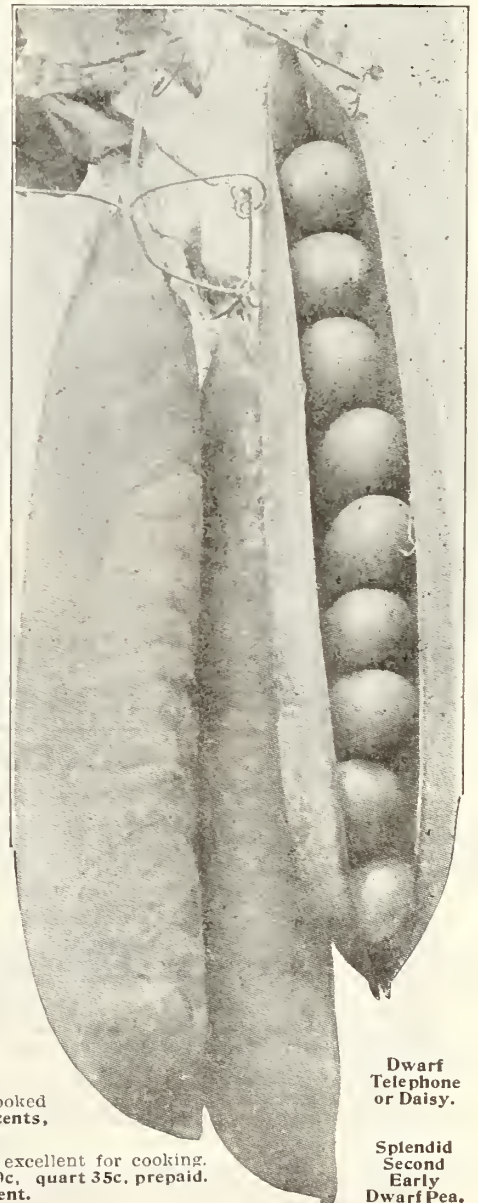
**MOERHELD'S GIANT SUGAR**—A new variety from Europe and the largest podded and finest flavored of all sugar peas. The pods are truly immense in size, 6 to 7 inches long and very broad. An extremely heavy yielder. In quality it is unexcelled. Vines grow about 5 feet high, are hardy and vigorous. Packet 10c, ½ pint 20c, quart 65c, prepaid.

**TALL MELTING SUGAR**—Well deserves its name, for this pea is unquestionably the best in size of pod, prolific bearing and delicious quality. Pods snap without any string, and when cooked are very sweet and tender. Pkt. 5c, ½ pint 15c, quart 50c, prepaid.—Quart 35c, ½ peck \$1.25, peck \$2.25, not prepaid.

**MAMMOTH PODDED SUGAR**—A late sugar podded pea. Vine 4 to 5 feet. Quality the best of sugar peas. Pods 5 to 6 inches long, thick and fleshy. Cooked like string beans, they are a delightful dish. Immensely productive. Price same as preceding sort.

**DWARF SUGAR**—Early and productive. Pods are broad, flat and crooked and are cooked when young the same as string beans; they are very sweet, tender and delicious. Packet 5 cents, ½ pint 15c, quart 45c, prepaid.—Quart 30c, ½ peck 90c, peck \$1.60, not prepaid.

**FIELD PEAS.** **CANADA YELLOW**—The dry peas are of good size and excellent for cooking. Succeeds well most anywhere and is very prolific. ½ pint 10c, quart 35c, prepaid. Quart 20c, ½ peck 65c, not prepaid. For prices on larger quantities see Farm Seed Department.



Dwarf Telephone or Daisy.

Splendid Second Early Dwarf Pea.

**PEAS. Continued.****Tall Varieties For Main Crop.**

**PRINCE EDWARD OR PRODIGIOUS**—Splendid new main-crop pea. See Novelties.

**QUITE CONTENT**—Pods longer and larger than those of any other pea in cultivation. No pea of modern times has attracted so much attention as Quite Content; it is the finest exhibition pea ever seen and has won more prizes than any other variety. Height 5 to 6 feet. This grand new pea bears pods measuring from 6 to 7 inches in length and containing 10 to 12 large, wrinkled peas which are of the finest table quality.

Quite Content is a late variety and has dark green foliage; the pods, also dark green, hang mostly in pairs, and are borne in great profusion. It is a pea with which everybody—the grower on account of its great productiveness and high market value, the consumer on account of its exquisite table qualities—should be "Quite Content". Pkt. 10c, ½ pint 20c, quart 55c, prepaid.—Qt. 40c, ½ peck \$1.35, pk. \$2.50, not ppd.

**COLOSSUS**—A splendid new sweet, wrinkled, mammoth pea of the large podded Telephone type, but the pods are larger and the peas sweeter. The plants are of healthy, vigorous growth, the vines attaining a height of 5 feet; foliage and pods are of a rich dark green color. Pkt. 10c, ½ pint 20c, quart 50c, prepaid.—Quart 35c, ½ peck \$1.00, peck \$1.90, not prepaid.

**ALDERMAN**—(Also called Improved Telephone and Admiral Dewey.) Height 4 to 5 feet. The vines are remarkably healthy and vigorous, producing an abundance of pods of immense size, quite often measuring six inches in length, which are well filled with sweet and tender peas of the largest size. Foliage, vines and pods are of a rich dark green color. As a heavy cropper it heats all late varieties. Quite extensively grown by market gardeners. Packet 5c, ½ pint 15c, quart 45c, prepaid.—Quart 30c, ½ peck 90c, peck \$1.60, bu. \$6.00, not prepaid.

**CARTER'S TELEPHONE**—Height 4 feet. On account of its beautiful large pods and high quality, one of the leading peas with market gardeners. Vines are vigorous and produce an abundance of very large pods, filled with immense peas, which are tender, sweet and of excellent flavor. Packet 5c, ½ pint 15c, quart 40c, prepaid.—Quart 25c, ½ peck 80c, peck \$1.45, bu. \$5.50, not prepaid.

**BOSTON UNRIVALED**—Height 5 feet. An improved strain of Carter's Telephone, with light colored leaves and pods like the old variety. The vines are covered with fine large pods, measuring 5 inches in length by ½ inch in width, and containing from 7 to 8 large peas of the finest flavor. We recommend this variety especially to our market gardener customers as the finest stock of Telephone peas. Packet 10c, ½ pint 20c, quart 45c, prepaid.—Quart 30c, ½ peck 90c, peck \$1.65, bu. \$6.00, not prepaid.

**CHAMPION OF ENGLAND**—Height 5 feet. Altho this is one of the oldest of the tall growing late peas, it is universally admitted to be one of the richest and best flavored varieties. The vigorous vines produce large pods of luscious peas in the greatest abundance. Pkt. 5c, ½ pt. 15c, qt. 40c, prepaid.—Qt. 25c, ½ peck 75c, pk. \$1.35, bu. \$5.00, not prepaid.

**WHITE MARROWFAT**—Height 3½ feet. A very heavy yielding, late variety. Pods large and well filled. Vines hardy vigorous and robust. The dry peas are of large size and excellent for cooking. Pkt. 5c, ½ pint 15c, quart 35c, prepaid.—Quart 20c, ½ peck 65c, peck \$1.10, bu. \$4.00, not prepaid.

**IMPROVED SUGAR MARROWFAT**—Height 3½ feet. Much better than the old White Marrowfat. Pods larger, well filled with large peas of the true marrow flavor, very sweet and tender. A very fine sort for the home garden. Packet 5c, ½ pint 15c, quart 40c, prepaid.—Quart 25c, ½ peck 75c, peck \$1.30, bu. \$4.75, not prepaid.

**MISCELLANEOUS.****ALPINE EVERBEARING STRAWBERRIES.**

These grow freely from seed and fruit the first summer. In March or April sow seed under glass, and in May transplant to the open ground. The first fruit ripens about the 15th of July, from that time on there is ripe fruit continually until late in October. The berries, while not so large as the garden varieties, are much higher flavored and aromatic. Perfectly hardy. Can be grown in pots in the house very easily. Packet 10c, 3 for 25c, prepaid.

**GARDEN LEMON.**

Fruit is of same shape but somewhat smaller than Vine Peach, which it resembles in growth, but has thinner flesh, and is decidedly more acid, thus dispensing with the sliced lemons which are so important in putting up the Vine Peach. Directions for cooking with each packet. Pkt. 5c, oz. 15c, ¼ lb. 45c, prepaid.

**PEANUTS.**

Peanuts may be grown successfully as far north as central Minnesota and South Dakota. Plant in rows 3 to 4 feet apart, placing the nuts about 6 inches apart in the rows. Let the children grow them, it will afford them lots of pleasure.

**EARLY SPANISH**—The earliest variety. Excellent quality. Pods medium size. Best for the North.

**LARGE VIRGINIA**—The heaviest yielder, but a little later maturing than above sort.

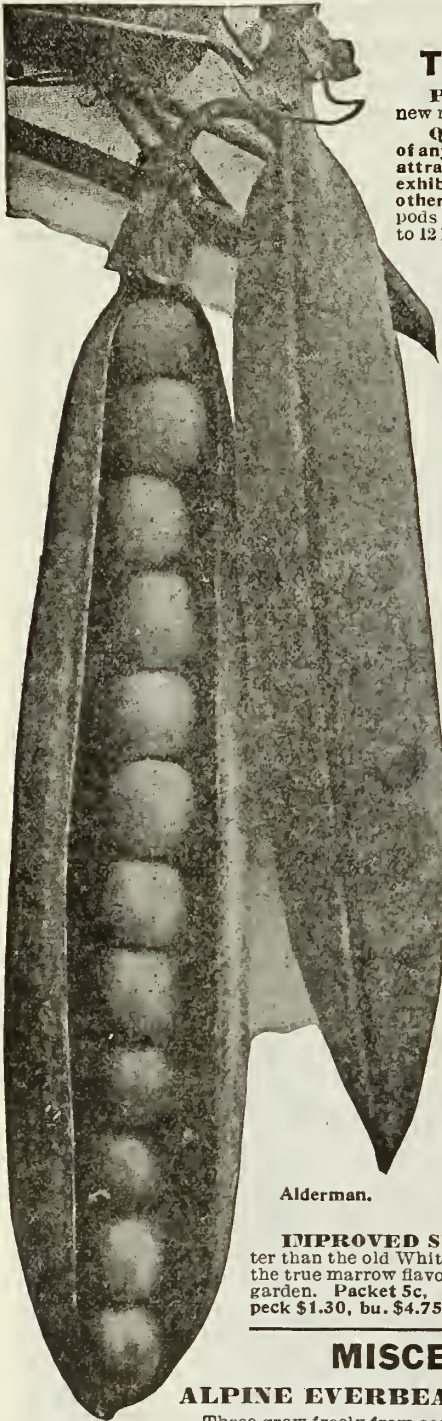
Price for both varieties; Large packet 10c, lb. 40c, prepaid.—Not prepaid, lb. 30c, 5 lbs. \$1.00.

**TOBACCO.**

**LARGE HAVANA**—Very early, yields well and is of fine quality. Packet 5c, oz. 25c, ¼ lb. 75c, prepaid.

**CONNECTICUT SEED LEAF**—Best known and most planted sort. Packet 5c, oz. 25c, ¼ lb. 75c, prepaid.

**WHITE BURLEY**—A greatly improved type, has very large leaves. Pkt. 10c, oz. 35c, ¼ lb. \$1.00, prepaid.



Alderman.



Quite Content.



**RADISHES.**

One ounce will sow 100 feet of drill, 8 to 10 lbs. per acre. For first crop sow as early in the spring as the ground can be worked, and every two weeks throught the season, for succession. A warm, sandy loam, maderich and light by strong manure is the best. Sow in drills 10 to 12 in. apart. The winter varieties should be sown in July and August.

**EARLY SCARLET TURNIP**—A round red, turnip-shaped radish, with a small top and of very quick growth. A very early variety, deserving general cultivation on account of its rich color and crisp, tender flesh. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 60c, prepaid.

**EARLY SCARLET TURNIP, WHITE TIP**—A most popular and attractive variety, a great favorite in many large markets. The radish is a bright scarlet, with white tip, and of a beautiful shape; flesh white, crisp and finely flavored. Our strain is the finest in the market, and always produces radishes of fine scarlet color with a distinct white tip. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 65c, prepaid.

**F. S. & N. CO'S EARLIEST ERFURT**—The earliest variety, of excellent quality. The roots are small, nearly round, of bright scarlet color, with very small tops; the flesh is white, crisp and tender. Fine for outdoor growing and one of the best varieties for forcing, being fit for the table in 16 to 20 days. A very handsome variety. Pkt 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.



Early Scarlet Turnip, White Tip.



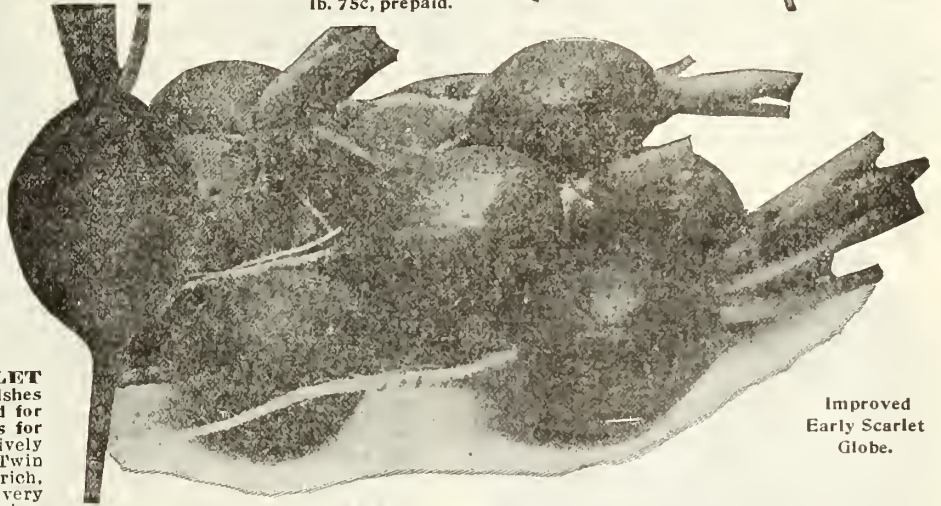
Earliest Erfurt.

**NON-PLUS-ULTRA**—A very fine extra early forcing variety of dark scarlet color and globular shape. Always crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, prepaid.

**F. S. & N. CO'S SPARKLER**—This radish is very popular on account of its beautiful color, its quick growth and fine table qualities. The color of the Sparkler is bright scarlet with a large white tip, covering fully one-third of the roots; the flesh is very crisp, solid and sweet. This variety has small tops, and is equally as well adapted for forcing in frames as for growing outdoors. Packet 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

**EARLY WHITE TURNIP**—An early pure white radish. While generally used for early outdoor planting, its small top makes it suitable for forcing also. Flesh white, semi-transparent, crisp and tender. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 65c, prepaid.

**IMPROVED EARLY SCARLET GLOBE**—The leading variety of radishes with market gardeners; equally as good for forcing in green houses and hot-beds as for open garden culture. Almost exclusively grown by market gardeners near the Twin Cities. A very handsome radish of rich, bright scarlet color and oval shape, with very small tops; the flesh is delightfully crisp,



Improved Early Scarlet Globe.

juicy and tender. An extra early variety, fit to be pulled in about three weeks.

Our strain was selected with the greatest care as to size, shape, color and earliness, was grown from transplanted roots and is fully equal, if not superior, to any other stock of this variety. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c, prepaid.—5 lbs. \$3.25, 10 lbs. \$6.00, not prepaid.

**ROSY GEM or SCARLET TURNIP WHITE TIP FORCING**—A very beautiful variety of deep scarlet color, with a large white tip; earlier than the Scarlet Turnip White Tip; a very popular market sort for forcing as well as outdoor planting. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c, prepaid.

**EARLY WHITE MAY**—A beautiful olive-shaped radish, of clear white color. It is one of the very earliest varieties, ready for the table in about 20 days from sowing. The flesh is white, crisp, tender and of delicious flavor. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, prepaid.

**FRENCH BREAKFAST**—A quick growing, medium sized radish, oblong in shape; color a beautiful scarlet, except near the tip where it is pure white. A splendid variety on account of its excellent quality and attractive color. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 60c, prepaid.

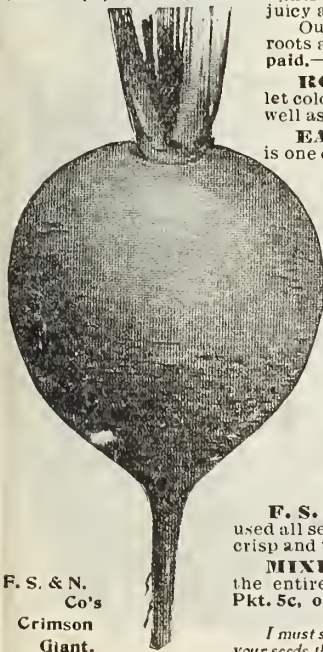
**EXTRA EARLY SCARLET, OLIVE SHAPED**—Root olive shaped, skin scarlet; flesh white, tender and crisp. Early, and best adapted for general crop, but may also be used for forcing. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 65c, prepaid.

**F. S. & N. CO'S CRIMSON GIANT**—This radish differs from all other forcing varieties hitherto in cultivation inasmuch as its roots attain more than double the size without getting pithy or hollow. It is very early notwithstanding its size. Color crimson, flesh pure white and of the best quality. Fine for outdoors and forcing. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, prepaid.

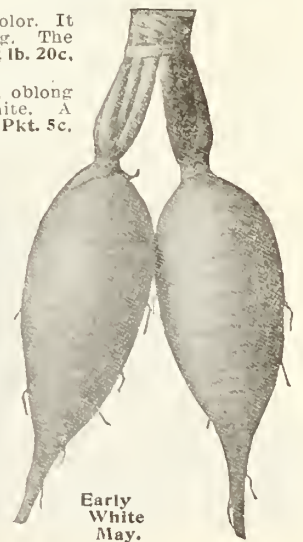
**GIANT WHITE STUTTGART**—A turnip shaped, large white summer radish. Of fine quality, remaining in edible condition a long time. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 70c, prepaid.

**F. S. & N. CO'S ALL SEASONS**—May be sown from spring to August and used all season, summer and winter. Round, deep scarlet, excellent quality, always crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, prepaid.

**MIXED RADISHES**—One sowing will produce a variety of delicious radishes the entire season. Our mixture contains early, summer and winter varieties. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.



F. S. & N. Co's Crimson Giant.



Early White May.

*I must speak words of praise for your seeds. Never before have I had such good success as with MRS. S. E. PETERSON, Reading, Minn.*

## RADISHES. Continued.



F. S. &amp; N. Co's Chartier.

**F. S. & N. CO'S ICICLE**—The finest white radish. Planted in the spring the radishes are ready for use in 20 to 25 days; their long, slender form and pure paper-white skin make them most attractive. The flesh remains crisp and tender until the roots attain a large size. It is excellently adapted for forcing purposes as well as for successive sowing in the open ground. Pkt. 5c, ounce 10c,  $\frac{1}{4}$  lb. 20c, lb. 70c, prepaid.

**EARLY LONG SCARLET, SHORT TOP**—The long, slender, handsomely colored roots are most attractive in appearance, crisp, brittle and of the choicest quality. They attain a length of 5 to 6 inches. Pkt. 5c, oz. 8c,  $\frac{1}{4}$  lb. 15c, lb. 50c, prepaid.

**CINNATI MARKET or GLASS RADISH**—Very similar to Early Long Scarlet, Short Top, but deeper red in color and remains a little longer in condition for use. Profitable market sort; very crisp and fine flavor. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**F. S. & N. CO'S CHARTIER**—The radishes are in good condition for the table very early and remain hard and crisp until they reach a diameter of about  $\frac{1}{4}$  inch. The roots are long, cylindrical, gradually tapering to a point, are scarlet rose in color, shading into white at the tip. Pkt. 5c, oz. 8c,  $\frac{1}{4}$  lb. 20c, lb. 65c.

**LONG WHITE VIENNA or LADY FINGER**—A well known long white summer radish of excellent quality. Very popular for the home garden. Price the same as Chartier.

**WHITE STRASBURG**—Larger in size and thicker than White Vienna. Keeps well and is a good market sort. Excellent for summer planting. Price same as Chartier.

## WINTER RADISHES.

Sow the seed the latter part of June, up to August 1st.  
Culture same as for other radishes.

**CALIFORNIA WHITE MAMMOTH**—Long white, of large size. A good keeper; flesh tender and crisp. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c, prepaid.

**CHINESE WHITE or CELESTIAL**—The largest winter radish. Flesh is crisp and very mild. Grown extensively everywhere. Price the same as California White.

**ALL SEASONS or ROUND SCARLET CHINA**—A large, round radish for summer and winter use. Excellent quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 90c, prepaid.

**WHITE MUNCH**—A fine german radish of good size and fine quality, mild and crisp. Of quick growth. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c, prepaid.

**ROSE CHINA**—Of medium size, largest at the bottom, tapering abruptly to a small top; color deep rose. Flesh is white, firm, crisp and pungent. Fine keeper. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 65c.

**LONG BLACK SPANISH**—Keeps longest of all winter radishes. Skin black; flesh white, crisp, quite pungent. Price same as Rose China.

**ROUND BLACK SPANISH**—Similar to Long Black, except in shape. Matures a little earlier. Price same as Rose China.

F. S. & N. Co's  
Sugar  
Pie.

es. Very productive. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 85c, prepaid.

**F. S. & N. CO'S WINTER LUXURY**—Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best winter keeper of all. In size about 9 or 10 inches in diameter; its skin is a beautiful deep orange-yellow and is russeted. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 90c, prepaid.

**LARGE SWEET CHEESE**—Of large size, flat shape, early and productive. Well flavored and sweet; good for pies and for canning, as well as for stock feeding. Skin orange red; flesh yellow. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 70c, prepaid.

**CONNECTICUT FIELD**—An immensely productive, large, orange colored field pumpkin, usually grown for stock feeding, but also making good pies. Oz. 5c,  $\frac{1}{4}$  lb. 15c, lb. 40c, prepaid.—5 lbs. \$1.35, 10 lbs. \$2.45, not prepaid.

**KENTUCKY FIELD**—Of large size, about two feet in diameter, round, flattened, hardy and productive. A fine sort for family and market use. Ounce 5c,  $\frac{1}{4}$  pound 15c, pound 40c, prepaid.—5 pounds \$1.35, 10 lbs. \$2.45, not prepaid.

**MAMMOTH KING or JUMBO**—Form like that of an immense Nutmeg Musk Melon with depressed ends, slightly ribbed; the fruits sometimes grow 3 feet or more in diameter and weigh over 100 pounds. Have salmon colored skin and bright yellow flesh of fair quality; make a good winter food for stock. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**MAMMOTH TOURS**—Of immense size, often weighing over 100 pounds; oblong; skin green. Good sort for exhibition and for feeding stock. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 90c, not prepaid.

## RHUBARB OR PIEPLANT.

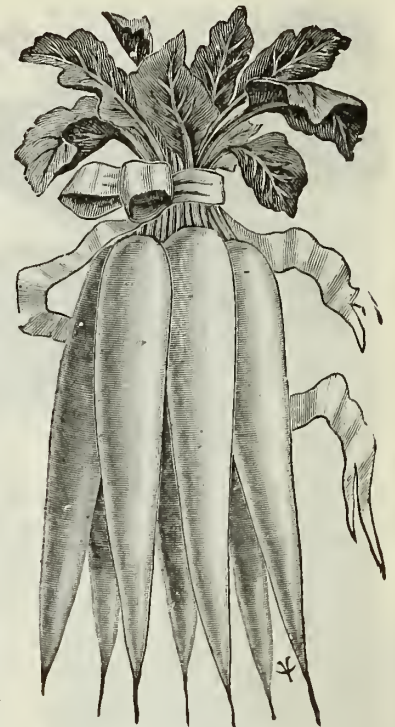
Succeeds best in deep, rich soil. Sow in spring in drills, cover one inch. Thin plants to six inches apart. Transplant in autumn or spring to permanent beds.

**RED FLESHED DELICACY**—Dark red leaf-stems. See Novelties.

**LINNEUS**—A very early variety, fine quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**GIANT VICTORIA**—Larger than the above, a good seller in all markets; of excellent quality. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50, prepaid.

FOR RHUBARB ROOTS SEE PAGE 103.



F. S. &amp; N. Co's Icicle.

## PUMPKIN.

Pumpkins are frequently planted in connection with a crop of corn, or as a second crop after early peas, etc. Plant in drills 8 to 12 feet apart. One ounce of seed for 25 hills; 3 to 4 pounds per acre. If planted with corn, 2 pounds will plant an acre.

**F. S. & N. CO'S SUGAR PIE**—This is the small, sweet pumpkin that has made the New England States famous for their pumpkin pies, "like grandmother used to make". It is a very fine grained, most deliciously sweet-flavored pumpkin, and also a splendid keeper all thru the winter. The fruits average about 10 inches in diameter, are of a round, flattened shape, deep orange-yellow color, and are very attractive. Very prolific, succeeding splendidly in any location. Pkt. 5c, oz. 8c,  $\frac{1}{4}$  lb. 25c, lb. 75c, prepaid.

**GOLDEN OBLONG**—A very productive variety; fruits 15 to 20 inches in length and 8 to 10 inches in diameter. The flesh is golden-yellow and of very rich, fine quality, excellent for pies. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c, prepaid.

**JAPANESE PIE**—Skin deep green with dark stripes; seeds are marked with curious indentations resembling the characters of the Chinese alphabet. Of medium size, early, very fine quality; good keeper. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 85c, prepaid.

**QUAKER PIE**—Oval in shape, and of a creamy white color inside and out; the flesh is fine grained and rich flavored, and makes superior pies. It is an excellent keeper. Early and very productive. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 85c, prepaid.

**TENNESSEE SWEET POTATO**—Medium sized, pear shaped, slightly ribbed, creamy white and of excellent flavor. Sweet and delicious, one of the best pumpkins for cooking purposes.



Mammoth King.

**SPINACH.**

Succeeds best on rich, well drained soil. Sow early in spring one inch deep, in rows 12 to 15 inches apart. For succession sow every two weeks until June. For early spring use sow in August and cover over winter. One ounce of seed for 100 foot row; 12 to 15 pounds per acre, or 30 pounds broadcast.

**F. S. & N. CO'S GIANT FILLBASKET**—A fine new variety introduced from Germany. The plants form large bushes with dark, glossy green leaves, very thick in texture. A quick grower, furnishing enormous quantities of tender leaves; of finest flavor when cooked. Suitable for early and late plantings. Packet 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.—5 lbs. \$2.35, not prepaid.

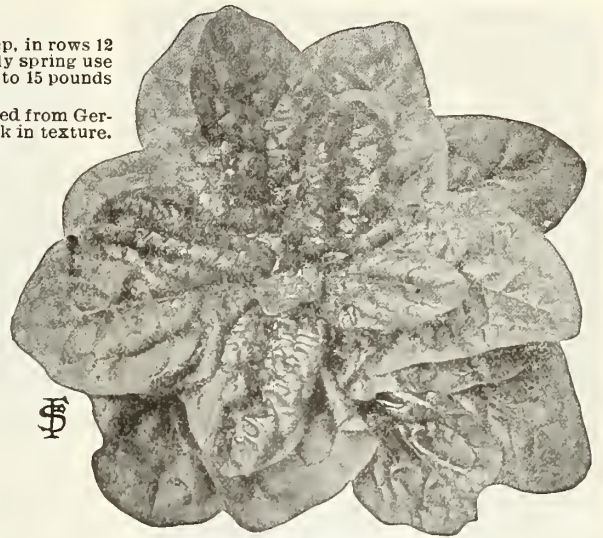
**BLOOMSDALE SAVOY LEAVED**—The earliest variety and one of the best to plant in autumn for early spring use. Plants of upright growth, with medium sized, dark green, pointed leaves which are crumpled or blistered like those of savoy cabbage. Used extensively by market gardeners. Ounce 5c, ¼ lb. 15c, lb. 45c, prepaid.—5 lbs. \$1.60, not prepaid.

**VICTORIA**—The foliage is heavy, the broad, dark green leaves being of the true savoy appearance, and of the finest quality, but the feature that makes it of special use for market and family gardens is that it is still in prime condition from 2 to 3 weeks after all other varieties have run to seed. Oz. 5c, ¼ lb. 15c, lb. 45c, prepaid.—5 lbs. \$1.60, not prepaid.

**WINTER PRICKLY SEED**—Very hardy variety which will withstand severe weather with only a slight protection of leaves or straw. It is desirable for fall sowing. The seed is prickly. Price same as Victoria.

**MUNSTERLAND**—A novelty of the greatest merit; the only real hardy winter spinach; the leaves are large, dark green and of fine quality. Pkt. 5c, ¼ lb. 15c, lb. 50c, orepaid.—5 lbs. \$1.85 not prepaid.

**NEW ZEALAND. (Everlasting Spinach)**—This sort is grown to supply the place of the ordinary spinach during the hottest months of the year, or in dry, arid localities, where the ordinary spinach does badly. Plant is very large, with thick, fleshy leaves of very fine flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.



Spinach, Giant Fillbasket.

**ORACHE OR MOUNTAIN SPINACH. (French Spinach)**—Will grow anywhere and withstand drought well, furnishing thick, fleshy leaves thruout the season. Is considered by many to be of superior flavor to the common spinach. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.00, prepaid.

**SALSIFY OR VEGETABLE OYSTER.**

**MAMMOTH SANDWICH ISLAND**—An improved type of the Long White, producing roots of nearly double the size and weight of those of the old variety, and of very superior quality and delicate flavor. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**GIANT BLACK RUSSIAN**—The best and largest of the black skinned sorts. Considered by many to be of better flavor than the white salsify. Flesh is white, very tender and of finest quality. Pkt. 10c, oz. 20c, ¼ lb. 60c, prepaid.

**SQUASH.**

Plant seed in extra fertile soil in the spring when danger of frost is past. The vining varieties should be planted in hills 8 or 10 feet apart each way, and the bush varieties from 4 to 5 feet. Place 10 seeds in a hill and cover with an inch of soil. When plants are well started thin out. One ounce of seed for 25 hills. For running varieties 3½ to 4 lbs. per acre; bush varieties require 6 lbs. of seed per acre.

**SUMMER VARIETIES.**

**GIANT YELLOW SUMMER CROOKNECK**—This strain is equally as early as the common small-fruited variety, while the squashes grow to a much larger size, measuring from 18 inches to 2 feet in length. A great favorite with market gardeners. Packet 5c, oz. 10c, ¼ lb. 25c, lb. 85c, prepaid.

**EARLY WHITE BUSH SCALLOPED**—The plants are of true bush growth, producing fruits early in the summer, which are clear, waxy white; excellent for table use. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 75c, prepaid.

**YELLOW BUSH SCALLOPED**—Similar to the White Bush, but of deep orange color. Flesh pale yellow. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 75c, prepaid.

**WINTER VARIETIES.**

**CHICAGO WARTED HUBBARD**—The ideal winter squash for the home or the market. This strain of the well known Hubbard was produced by careful selection of large, dark green, very warted specimens of the old variety. Vine has a strong, robust growth. The fruits are large, handsomely shaped, with dark green, heavily warted skin and with flesh of bright orange-yellow color, fine grained, dry, and of sweet, rich flavor. Our seed is Minnesota grown, and will produce fine, large fruits earlier and of better keeping qualities than seed grown in any other state. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.10, prepaid.

**HUBBARD**—The original Hubbard; is similar to the above, but smoother and does not run quite so large. Packet 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**GOLDEN HUBBARD**—This is a true Hubbard squash, except in color, which is orange-red. The fruits are very uniform in size, weighing from 6 to 8 pounds, and in shape are like the Hubbard. Altho in condition for use much earlier, they are wonderfully long keepers. The flesh is a deep orange and uniformly so to the shell, cooks very dry, is fine grained and well flavored. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.



Giant Summer Crookneck.

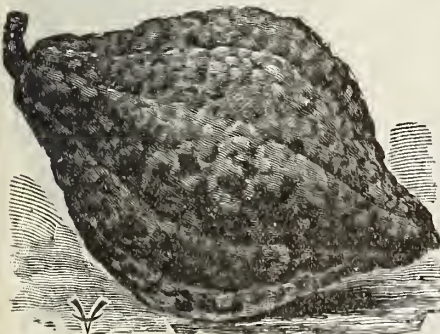
**BOSTON MARROW**—Second early, coming in about 10 days after the Bush and Crookneck sorts. Skin yellowish, very thin; the flesh is dry, fine-grained, and of unsurpassed flavor. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 75c, prepaid.

**MAMMOTH WHALE**—This is the "Jumbo" of the squash family and creates great attention wherever grown or placed on exhibition. It is an extra large-fruited sort, frequently attaining more than 100 pounds in weight. The skin is of a dark olive-green, with stripes of a lighter tinge. Flesh firm and solid, beautiful orange-yellow and of excellent quality. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.25, prepaid.

**F. S. & N. CO'S DELICIOUS**—This squash is particularly excellent in quality and is now considered by many even better than the Hubbard. It is a very early winter variety of medium size; shell moderately hard but very thin; flesh thick, fine-grained and bright yellow in color. Even when immature this squash is in condition for use and is of very fine flavor. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.00, prepaid.

**MAMMOTH CHILI**—Under special cultivation the fruits attain a very great weight and are of attractive appearance. The skin is smooth, and of a rich orange-yellow; flesh very thick, fine-grained and sweet. Very desirable for stock feeding and exhibition purposes. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**PIKE S PEAK OR SIBLEY**—One of the sweetest, driest and best of all late squashes. The form is entirely distinct, being pear-shaped. The shell is hard and of a pale green color; the flesh thick, fine-grained, of a rich delicate flavor and brilliant orange color. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 95c, prepaid.



Golden Hubbard.



Chicago Warted Hubbard.

The seeds ordered from you were excellent, especially the Hubbard Squash and Red Weathersfield Onions.

FRED W. RUNCK, Springfield, Minn.

## TOMATOES.

Tomatoes succeed best in well manured, light sandy soil. For early plants sow seed in boxes or hotbeds in March. When the plants are about two inches high, transplant to four inches apart each way. Set out of doors as soon as danger of frost is over. Transplant carefully, four feet apart each way, and cultivate well as long as vines will permit. To obtain early fruit pinch off the ends of the branches when the first fruit is set. Our seed stock is of the very best selection. One ounce of seed for 2000 plants.

**FARIBAULT DWARF CHAMPION**—A Dwarf Champion with fruits twice the size of the old variety, and of delicious flavor unequalled in any other kind. The best of all Tree Tomatoes. — See Novelties.

**SCARLET EXTRA EARLY JUNE**—Our Extra Early June is earlier than any other sort without exception, ripening a week earlier than the Earliana. It is exceedingly productive and perfectly smooth throughout the season. The fruits are of large size for an early sort; of a deep glossy scarlet color; its flavor is all that can be desired; very meaty, with few seeds than any other variety. The table quality is surpassed only by the large late beefsteak sorts. The fruit ripens uniformly all over, the stem end coloring up perfectly. For the market gardener as well as for the home garden this tomato can be highly recommended. Packet 10c, ½ oz. 20c, oz. 30c, ¼ lb. \$1.00, prepaid.

**F. S. & N. CO'S EARLIANA**—Next to our Extra Early June this is the earliest smooth, bright red tomato of good size. The plants are compact in growth with short, close-jointed branches, setting fruits very freely. The tomatoes are quite uniform in size and of smooth, regular form, averaging 3 inches in diameter, and from 2 to 2½ inches in depth; they are fleshy, solid, and excellent for shipping purposes. Our strain is very fine. Packet 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25, prepaid.

**EARLIANA, LANGDON'S STRAIN**—A very fine strain of the Earliana, which is enjoying great popularity in the East. It is said to be earlier and more productive, with fruits of great uniformity and smoothness. Pkt. 10c, ½ oz. 20c, oz. 35c, ¼ lb. \$1.00, ppd.

**ACME**—A splendid early purple fruited sort. Vine hardy and productive. Fruit in clusters of four to five; round, smooth, and of good size; flesh solid and of excellent flavor. Color reddish purple. Ripens early. There is no better variety for market gardeners who want an early purple fruited sort. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00, prepaid.

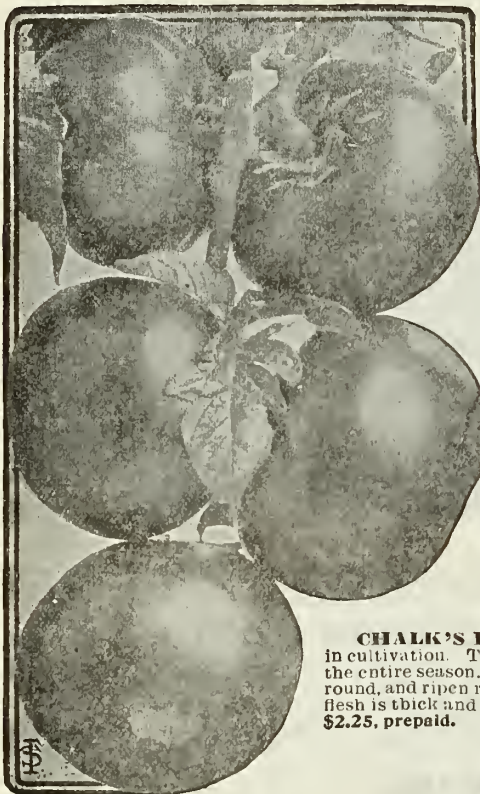
**EARLY MINNESOTA**—Considered of great value here in the Northwest. It is the earliest tomato producing good marketable fruits. The fruits are of medium size, bright red in color and smooth; meat very solid, of fine flavor. Hardier than any other variety and succeeds everywhere. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$2.75, prepaid.

**CHALK'S EARLY JEWEL**—The largest, smoothest and finest flavored second-early scarlet tomato in cultivation. The plants are of compact growth with dark green leaves and fairly loaded with fruit throughout the entire season. The large, handsome, bright scarlet fruits are very solid and deep thru, being almost round, and ripen right up to the stem without any cracks or green core and have comparatively few seeds. The flesh is thick and sweet; skin thin, but strong, making it a good shipper. Packet 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25, prepaid.

**JUNE PINK**—The earliest large pink tomato. Grown very largely as an extra early sort for markets like St. Paul and Minneapolis, where pink sorts are preferred. Very similar to the Earliana, differing only in color. The fruit is of medium size, uniform, smooth, and attractively shaped, without cracks or any green core; will average 2¼ to 3 inches in diameter, and 2 to 2½ inches in depth. Excellent for shipping purposes. A very productive variety. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

**BEAUTY**—The standard large fruited, medium early, pink variety. A hardy, strong, productive grower, producing large, always smooth fruits of perfect shape, excellent quality, and purplish-pink color. The tomatoes grow in clusters of four to six and retain their splendid size until late in the season. Flesh is very firm; has a tough skin and but few seeds. Seldom rots or cracks after a rain. A good shipper; quite extensively grown in this state for the market. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.

**NEW COLOSSAL**—The largest tomato in cultivation. See Novelties.



Earliana.

**DWARF CHAMPION OR EXTRA EARLY TREE**—On account of its dwarf, compact habit, it can be planted quite closely. Wonderfully productive; the dark reddish-purple fruits are of medium size, very solid and firm. The vines are very strong and stiff, so that the plant needs almost no support. Very desirable for the home garden. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$3.00, prepaid.

**NEW GLOBE**—A new and very attractive, large, purple fruited variety of excellent quality. Fruits are of beautiful globe shape, very smooth, of delicate, mild flavor, and ripen earlier than most main crop sorts; fine for slicing. A splendid cropper and an excellent keeper; fine for growing in greenhouses. This tomato is as near an ideal home-garden sort as can be found. Pkt. 5c, oz. 25c, ¼ lb. 70c, lb. \$2.50, prepaid.

**IMPROVED TROPHY**—Very fine late, bright scarlet tomato. One of the best; fruit large, smooth, of very deep red color, and good flavor. Well known and largely planted. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

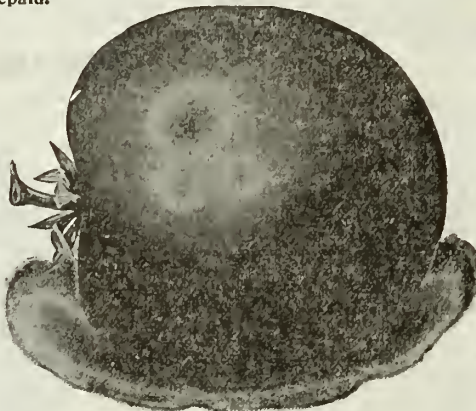
**F. S. & N. CO'S STONE**—More largely grown than any other variety. Very popular with canners and market gardeners everywhere; we recommend this variety to all who want a large, smooth, late variety for the main crop. Fruits are of bright scarlet color, very large, round, slightly flattened and very smooth; they ripen evenly to the stem; the flesh is firm, solid, with very small core. A heavy yielder. Packet 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.

**MATCHLESS**—This is a very large fruited and long keeping bright red tomato. The fruit is remarkably solid, very meaty, free from core, and is produced in quantity on strong, vigorous vines. A very desirable variety for main crop, unsurpassed for market or table use. Packet 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

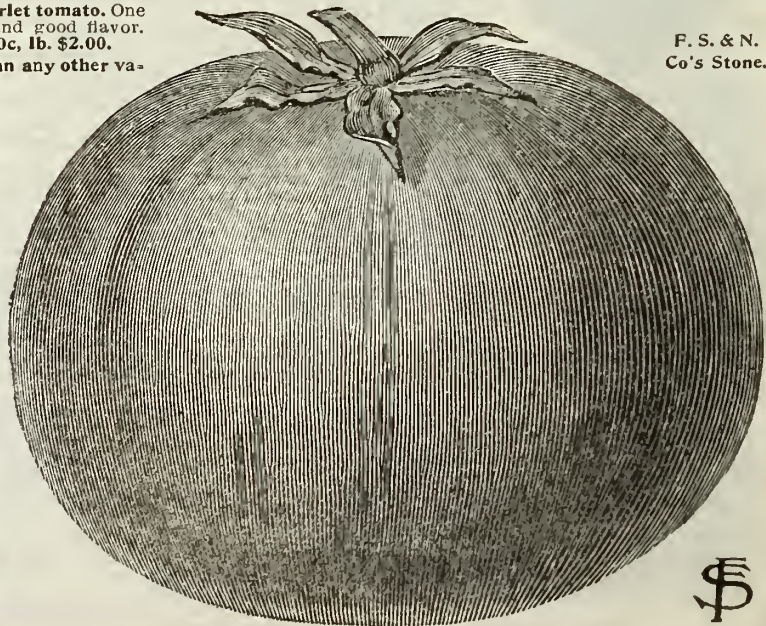
**FAVORITE**—A standard early variety. Fruits are large, smooth, bright red. Fine quality, a good yielder and excellent shipper. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

**"JOHN BAER" TOMATO**—A splendid early tomato of recent introduction, producing beautiful, large, bright red, solid tomatoes early in the season. John Baer produces excellent, solid shipping tomatoes which ripen early right up to the stem and is an enormous cropper, and when dead ripe will not burst. The color is a glistening bright red, and it has a mild, deliciously sweet flavor. Almost seedless, a marvelous stem setter, often having ten fruits in first cluster. It is solid and meaty and has just enough foliage. Will stand plenty of manuring without going to vine. Pkt. 10c, ½ oz. 20c, oz. 35c, ¼ lb. \$1.25.

**PARAGON**—Well known mid-season variety with large fruits of glossy, deep-red color. Flesh solid, well colored and flavored. An immense cropper, will hold its size better late in season than any other sort. Many gardeners, canners and catsup makers use Paragon exclusively. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

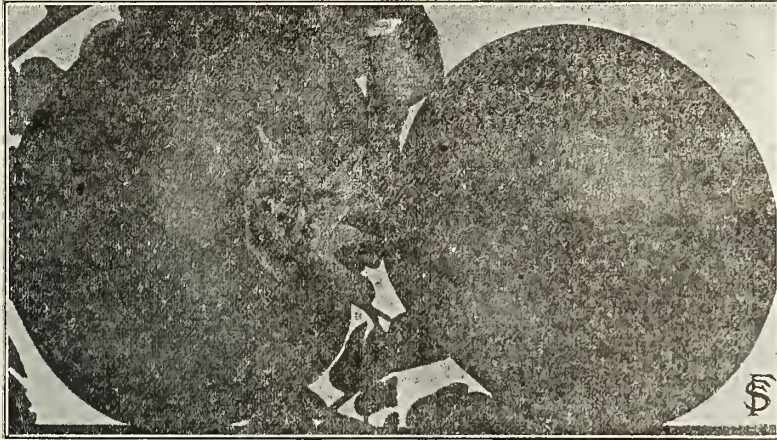


New Globe.



F. S. & N.  
Co's Stone.





Bonny Best Early.

**TOMATOES. Continued.**

**BONNY BEST EARLY**—Is fully 10 days earlier than Chalk's Early Jewel, and about as early as Earliana. It is a vigorous grower, enormously prolific, setting 12 to 15 smooth, round, globe-shaped fruits in the crown setting, and as a shipping tomato it is one of the very best, as the entire picking will grade in the same crate owing to its remarkable evenness of size. **Bonny Best Early** in color is an intense, velvet glowing scarlet; ripens up evenly to the stem without crack or black spot. We can highly recommend this tomato as an extra good market and home garden sort. Also good for forcing under glass. Pkt. 10c, oz. 25c, 1/4 lb. 75c, lb. \$2.50, prepaid.

**CRIMSON CUSHION or BEEFSTEAK**—The fruit is of very fine appearance, very large, round and regular and of bright scarlet color; flesh solid and of the best quality with but few and small seed cells. The plants are very productive. Very similar to Ponderosa differing only in the color of the fruits. Pkt. 5c, oz. 30c, 1/4 lb. \$1.00, lb. \$5.25, prepaid.

**PEERLESS TREE**—It grows from 10 to 15 feet in height, and if planted early will begin to ripen its luscious fruit by July 4th and continue to bear heavy loads of same until killed by frost. The flesh is firm and solid, almost seedless, fine grained thruout and of the most delicious flavor ever found in a tomato. The fruits are of the largest size, weighing from 16 to 24 ounces. One well developed plant will produce enough fruit for a small family the entire season, and every owner of a garden should not fail to grow this wonderful tomato. Pkt. 10c, 3 for 25c.

**GIANT PONDEROSA**—The largest fruited tomato. A splendid variety for home use; quite free from acid, and very fine for slicing. It begins to ripen its fruit early and continues to bear until very late; fruit fairly smooth with very solid flesh, of sweet flavor, almost seedless, and of immense size, frequently weighing over 2 pounds; color deep purple. Vines vigorous and very productive. Is by many considered to be the finest flavored tomato in existence. Pkt. 5c, oz. 25c, 1/4 lb. 85c, lb. \$3.00, prepaid.

**GOLDEN QUEEN**—Best large yellow variety. The superior flavor of the large yellow varieties is bringing them into favor as a table fruit. Ripens very evenly; fruit is smooth, of good quality and true flavor. Fine for the home garden and a good yielder. Pkt. 5c, oz. 20c, 1/4 lb. 60c, lb. \$2.25, prepaid.

**PEACH**—The fruit is of uniform size, resembling a peach in shape, size and color. It is a profuse bearer until killed by frost and has an agreeable, very fine, mild flavor. It is desirable for eating from the hand, as well as for canning. Pkt. 5c, oz. 25c, 1/4 lb. 85c, prepaid.

**SMALL-FRUITED TOMATOES.**

The fruits of these are largely used for making fancy pickles, preserves, etc.

- |                 |                                |                    |                                |
|-----------------|--------------------------------|--------------------|--------------------------------|
| Cherry red..... | Pkt. 5c, oz. 20c, 1/4 lb. 60c. | Cherry yellow..... | Pkt. 5c, oz. 15c, 1/4 lb. 50c. |
| Pear red.....   | Pkt. 5c, oz. 15c, 1/4 lb. 50c. | Pear yellow.....   | Pkt. 5c, oz. 20c, 1/4 lb. 60c. |
| Plum red.....   | Pkt. 5c, oz. 20c, 1/4 lb. 60c. | Plum yellow.....   | Pkt. 5c, oz. 20c, 1/4 lb. 60c. |

**NEW EVERBEARING**—Enormously productive; beginning to bear in June and the plants continually produce fruits until cut down by frost. Fruits are produced in immense clusters of fifty or more; are plum shaped, bright scarlet, solid and of finest flavor. Excellent for preserving. Pkt. 10c, oz. 35c.

**STRAWBERRY or HUSK TOMATO (Ground Cherry)**—Plants of low-spreading growth and immensely productive. The small yellow fruits are each enclosed in a husk. Of very sweet flavor highly esteemed for eating, preserving, or making pies. Pkt. 5c, 1/2 oz. 15c, oz. 25c, 1/4 lb. 85c.

**GARDEN HUCKLEBERRY.**

This wonderful berry fruit belongs to the tomato family and produces berries about as large as an average sized gooseberry; they are of jet black color, and when cooked are as palatable as the real huckleberry. The berries do not taste well raw but they make better pies, jelly and sauce than the wild huckleberry. For winter use take up the vines just before frost and store them away. Cultivate same as tomatoes. Pkt. 10c, 3 for 25c, prepaid.

**SWEET, POT AND MEDICINAL HERBS.**

- Anise**—Seeds have an agreeable aromatic odor and taste. Used for seasoning. Pkt. 5c, oz. 10c.
- Balm**—Leaves are used for making a pleasant beverage and for tea. Pkt. 5c, oz. 25c.
- Basil**—Leaves used in flavoring soups or stews, and highly seasoned dishes. Pkt. 5c, oz. 15c.
- Borage**—Leaves used for flavoring; flowers furnish bee pasture. Pkt. 5c, oz. 15c, 1/4 lb. 40c.
- Chamomile**—The dried flowers are much used for tea, and other medicinal purposes. Pkt. 5c.
- Caraway**—Grown for the seeds, which are used for flavoring. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 60c.
- Horehound**—Leaves are used in the manufacture of cough remedy, also for seasoning. Pkt. 5c, oz. 20c.
- Hyssop**—The tops and flowers are used for tea in asthma and chronic catarrh. Pkt. 5c, oz. 20c.
- Lavender**—An aromatic, medicinal herb. Much used to perfume linens. Pkt. 5c, oz. 15c, 1/4 lb. 50c.

- Catnip or Catmint**—Leaves and young shoots used for flavoring. Pkt. 5c, oz. 25c.
- Chervil**—Leaves used for garnishing and flavoring; also for salads. Pkt. 5c, oz. 10c, 1/4 lb. 25c.
- Chives**—Used for seasoning. Of mild onion flavor. Pkt. 5c, 1/2 oz. 30c, oz. 50c.
- Coriander**—Seeds are used in the manufacture of liquor and confectionery. Pkt. 5c, oz. 10c, 1/4 lb. 25c.
- Dill**—Seeds have an aromatic odor and pungent taste. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 65c.
- Fennel**—Leaves are used in fish sauces, soups, garnishes, etc. Pkt. 5c, oz. 10c, 1/4 lb. 30c.

- Mint, Curled**—For mint sauce and juleps. Pkt. (50 seeds) 10c, 200 seeds 25c.
- Marjoram**—The young, tender tops are used green for flavoring, or they may be dried for winter use for flavoring broths, dressings, etc. Pkt. 5c, oz. 15c, 1/4 lb. 45c.
- Peppermint**—The leaves and stems are used for flavoring and in cool drinks. Seed should be started in boxes in the house. 50 seeds 10c, 200 seeds 25c.
- Rue**—For medicinal purposes— for croup; good also for fowls. Pkt. 5c, oz. 20c.
- Rosemary**—Leaves are used for seasoning. Oil from flowers used in perfumery. Pkt. 5c, oz. 35c.
- Saffron**—Flowers are used for dyeing, also for flavoring. Pkt. 5c, oz. 10c.
- Sage**—The leaves and tops are used very extensively for seasoning. Pkt. 5c, oz. 15c, 1/4 lb. 40c.
- Sorrell. Sauerampfer**—Is boiled and served like spinach, also delicious soup is made with it, possesses a very fine flavor. Pkt. 5c, oz. 20c, 1/4 lb. 50c.
- Summer Savory**—For flavoring soups, dressing, etc. Pkt. 5c, oz. 10c, 1/4 lb. 30c.
- Sweet Woodruff**—For flavoring wine. The well known ingredient of the German "Maitrank". The shoots are also used for scenting clothes. Pkt. 10c.
- Tansy**—Leaves are used for tea and in bitters. Pkt. 5c, oz. 25c.
- Tarragon**—Highly valued for seasoning and culinary purposes. Pkt. 10c.
- Thyme**—The young leaves and tops are used for seasoning soups, in dressings, etc., and a tea made from the leaves is a remedy for headache. Pkt. 5c, oz. 30c, 1/4 lb. \$1.00.
- Wormwood**—Used for medicinal purposes. Pkt. 5c, oz. 25c, 1/4 lb. 70c.



Sweet Marjoram.



Peerless Tree Tomato

## TURNIPS.

One ounce will sow 125 feet of drill. Two lbs. per acre in drills, three lbs. broadcast. Turnips do best in a highly enriched sandy or light, loamy soil. Commence sowing the earliest varieties in April, in drills from 12 to 15 inches apart, and thin out to 6 or 8 inches in the row. For late or main crop, sow in July and August.

**EXTRA EARLY WHITE MILAN**—The earliest of all turnips, and of excellent quality. The top is very small, upright and compact, so the rows can be planted close together. The roots are clear white, very smooth, flat and symmetrical. The flesh is white, sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**EXTRA EARLY PURPLE TOP MILAN**—Similar to the White Milan, except that the roots are purple red on the upper portion. The Milan turnips are some of the very best extra early garden varieties which we have. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**SNOWBALL or WHITE SIX WEEKS**—The earliest and most perfectly formed round white turnip. The roots are very uniform in size and shape, a short top and single tap root. The flesh is snowy white, solid, crisp and very sweet. It is of quick growth and suitable for first early as well as later sowings. We highly recommend it. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, prepaid.

**WHITE EGG**—A very popular and early variety, adapted for either spring or fall sowing. It is perfectly smooth, with a clear white skin and flesh, and grows half out of the ground. A very fine kind for table use, being of excellent flavor, mild and sweet. It is very attractive as the roots look like huge white eggs. Early and very productive, 600 bushels having been raised to the acre as a second crop. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, prepaid.

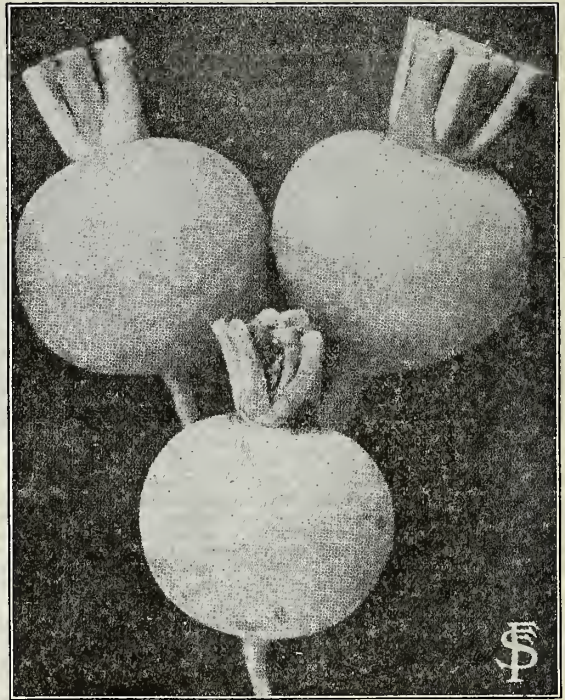
**EARLY WHITE FLAT DUTCH STRAP LEAVED**—A most excellent garden turnip, and like Purple Top Strap Leaf, a standard flat variety, maturing at the same time. Root medium sized, from 4 to 5 inches in diameter and about 2 inches thick; color white; flesh sweet and tender, and very desirable for table use; a good keeper. Pkt. 5c, oz. 8c, ¼ lb. 15c, lb. 50c, prepaid.—5 lbs. \$1.75, 10 lbs. \$3.25, not prepaid.

**AMERICAN PURPLE TOP WHITE GLOBE**—This is the most popular of all market turnips. Roots are of globular shape, and good size, and in appearance are the best of all varieties. The flesh is firm, fine grained, white and of most excellent flavor. It is a fine keeper and as desirable for table as for stock. An immense producer. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.—5 lbs. \$2.15, 10 lbs. \$4.00, not prepaid.

**EARLY PURPLE TOP STRAP LEAVED**—The most extensively used flat variety. Quite early, only about a week later than the Milan or Snowball. Roots flat, medium sized, of purple or dark red color above the ground and white below; flesh white, fine grained and tender; leaves few, upright in growth. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.—5 lbs. \$2.25, 10 lbs. \$4.25, not p'd.

**NORFOLK LARGE WHITE**—A well known large, late turnip of round shape. Yields enormous quantities of solid roots that keep longer than any other variety. Good for table use and stock. Extensively grown in many sections, especially in the East. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.—5 lbs. \$2.25, not prepaid.

**GOLDEN BALL**—A most delicate and sweet, yellow fleshed turnip of excellent flavor. Not of large size, but very firm, hard and keeps well. Fine table variety and preferred by many to the white fleshed sorts. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.



Snowball Turnip.

**YELLOW ABERDEEN PURPLE TOP**—Globe shaped, of medium size, deep yellow with purplish top; pale yellow flesh, very tender and sweet. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.

**LONG WHITE COWHORN**—A quick growing variety of excellent quality. Splendid for early and late planting. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.

**SOUTHERN PRIZE**—Cultivated extensively in the South for the tops, which are used for greens. The roots are large and of fine quality. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, prepaid.

## RUTABAGAS OR SWEDES.

They require the same culture as Turnips but a longer season. For table use they are considered of better flavor and keep longer.

Prices except where noted: Packet 5c, ounce 10c, ¼ pound 20c, pound 60c, prepaid.—5 pounds \$4.25, 10 pounds \$8.25, not prepaid.

**BANGHOLMI**—An excellent variety both in shape and quality. The roots are of large size, slightly tankard shaped, with small neck, few or no side roots and yields well. The skin is yellow with purple top. The flesh is yellow, sweet and solid. A splendid keeper.

**BUDLONG'S IMPROVED**—White, very sweet, of much milder flavor than any other sort; globe shaped, skin creamy yellow.

**F. S. & N. CO'S IMPERIAL**—The great prize stock. This grand variety cannot be too highly recommended, as no other sort will produce such handsomely formed roots and great yields. The best and longest keeper of all. It is neckless, very solid, of beautiful orange color, with a handsome purple top, and is the result of many years of careful selection. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

**IMPROVED AMERICAN PURPLE TOP**—Our strain is remarkable for uniform shape and fine quality, and is a splendid keeper. The roots grow to a large size, have small tops, short necks, and smooth skin; flesh is of beautiful yellow color, fine grained, very sweet, tender and of excellent flavor. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

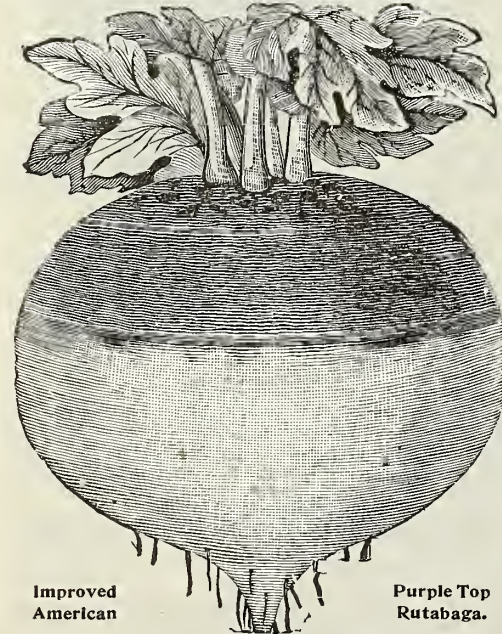
**SWEET GERMAN**—Very popular in many sections; grows to a good size, and is considered one of the best for both table use and for feeding stock. The flesh is white, hard, firm and sweet; keeps as well as the yellow sorts.

**YELLOW MAMMOTH**—A large size root of good shape, a heavy yielder and very hardy. One of the most profitable sorts to grow. Keeps well.

## VEGETABLE PLANTS.

We can supply good healthy plants of all the varieties listed below, in their proper season. Packing charges are included in the prices given.

	prepaid.	not prepaid.
	doz. 100	100 1000
CABBAGE, Early. Ready in April and May. Jersey Wakefield, All-head or Surprise, Copenhagen Market.....	20c	\$1.00 \$ .75 \$6.00
CABBAGE, Late. Ready in June. Hollander or Danish Ball-head, Premium Late Flat Dutch.....	20c	1.00 .75 5.00
RED CABBAGE. Ready in May. Danish Stonehead.....	25c	1.25 1.00
SAVOY CABBAGE. Ready in May. First of All.....	25c	1.25 1.00
CAULIFLOWER. Ready in April and May. Snowball.....	30c	1.50 1.25 7.50
CELERY, Early. Ready in June. White Plume, Golden Self Blanching.....	25c	.85 .60 5.00
CELERY, Late. Ready in June. Giant Pascal.....	25c	.85 .60 5.00
CHIVES. Ready in April.....	25c	1.25 1.00
EGG PLANT. Ready in May and June. Improved New York Purple.....	35c	2.00 1.75
GROUND CHERRY. Ready in May and June.....	35c	1.75 1.50
PEPPER. Ready in May or June. Bell or Bull Nose, Ruby King.....	35c	1.75 1.50
SWEET POTATO PLANTS. Ready in May and June.....	25c	1.00 .75 6.00
SAGE. Ready in May and June.....	35c	1.75 1.50
TOMATOES. Ready in May and June. Earliana, Beauty, Ponderosa, New Stone, Dwarf Champlon or Tree, Yellow Pear.....	30c	1.50 1.25 8.00



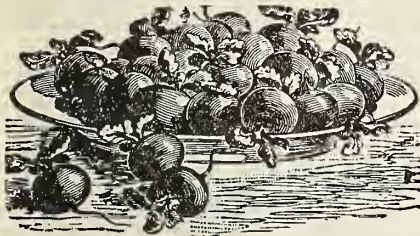
Improved American

Purple Top Rutabaga.

# COLLECTIONS OF GARDEN AND FLOWER SEEDS.

Altho we offer these collections at comparatively lower prices than seeds selected from our regular list, we use only seeds of the highest quality for them. On account of being able, however, to put up these collections at our leisure, before the rush of our busy season begins, we are in a position to offer them at such low prices, but cannot make any changes in the assortment.

The selection of the seed for the different collections is made with the greatest care, and offers to the private planter, not familiar with the different kinds, the advantage of obtaining only such seeds as will bring the best results. All the collections named below being already put up, we can fill your order for them promptly.



## COLLECTIONS OF VEGETABLE SEEDS.



### SMALL VEGETABLE GARDEN. Price 50 Cents Postpaid.

Contains 1 packet each of the following 17 varieties of Vegetable and 1 packet of Mixed Flower Seeds.

- |                     |                     |                  |                       |                            |
|---------------------|---------------------|------------------|-----------------------|----------------------------|
| Beans, Wax.         | Cabbage, Early.     | Lettuce, Early.  | Radish, Early.        | Marjoram.                  |
| Peas, Early.        | Carrots, Early.     | Meion, Musk.     | Spinach.              | Flower Seed, Choice mixed. |
| Corn, Sweet, Early. | Cucumber, Pickling. | Onion.           | Tomatoes, Early.      |                            |
| Beets, Early.       | Kohlrabi.           | Parsley, Curled. | Turnips, Flat, Early. |                            |

### LARGE VEGETABLE GARDEN. Price \$1.00 Postpaid.

Contains 1 packet each of the following 36 varieties of Vegetable and 1 packet of Mixed Flower Seeds.

- |                           |                           |                          |                     |                            |
|---------------------------|---------------------------|--------------------------|---------------------|----------------------------|
| Beans, Wax Sort.          | Celeryac.                 | Lettuce, Early Curled.   | Peas, Early.        | Tomato, Early Red.         |
| Beans, Green Podded.      | Corn, Sweet, Extra Early. | Lettuce, Head.           | Peas, Late.         | Turnip, Early Flat.        |
| Beets, Early, Round, Red. | Corn, Sweet, Late.        | Meion, Musk.             | Pumpkin.            | Marjoram.                  |
| Cabbage, Early.           | Cucumber, Pickling.       | Meion, Water.            | Radish, Round, Red. | Thyme.                     |
| Cabbage, Late.            | Cucumber, Long.           | Onion, Yellow Danvers.   | Radish, Long.       | Flower Seed, Choice mixed. |
| Carrot, Early.            | Kaie, Early Curled.       | Onion, Red Wethersfield. | Rutabaga.           |                            |
| Cauliflower, Early.       | Kohlrabi.                 | Parsley, Curled.         | Spinach, Summer.    |                            |
| Celery.                   | Leek.                     | Parsnip, Long White.     | Squash.             |                            |

### LARGE FAMILY GARDEN. Price \$2.00, Transportation charges to be paid by purchaser.

Weight, packed for shipment, 6 pounds.

This splendid collection would cost at our regular catalog prices, \$3.50.

- |  |   |   |  |   |
|--|---|---|--|---|
| <b>BEANS.</b><br>Dwarf, Green Pod... 1/2 pt.<br>Yellow Pod... 1/2 pt.<br>Dwarf Limas... 1/2 pt.<br>Pole... 1 pt. | <b>CELERY.</b><br>White Plume... 1 pkt.                           | <b>MELONS.</b><br>Musk Melon... 1 oz.<br>Water Melon... 1 oz. | <b>PEPPER.</b><br>Large Red... 1 pkt.  | <b>SALSIFY.</b><br>Sandwich Island... 1 pkt.              |
| <b>BEETS.</b><br>Blood Turnip... 1 oz.<br>Black Queen... 1 oz.   | <b>CUCUMBERS.</b><br>For Slicing... 1 oz.<br>For Pickles... 1 oz. | <b>ONIONS.</b><br>White... 1 oz.<br>Red... 1 oz.              | <b>PEAS.</b><br>Extra Early... 1/2 pt.<br>Medium Early... 1/2 pt.<br>Late... 1/2 pt. | <b>SPINACH.</b><br>Best... 1/4 lb.                        |
| <b>CABBAGE.</b><br>Early... 1 pkt.<br>Late... 1 oz.  | <b>EGG PLANT.</b><br>New York... 1 pkt.                           | <b>ONION SETS.</b><br>Red... 1 pt.                            | <b>PUMPKIN.</b><br>Best Pie... 1 pkt.  | <b>SQUASH.</b><br>Summer... 1 oz.<br>Winter... 1 oz.      |
| <b>CARROT.</b><br>Early Scarlet Horn 1 pkt.<br>Danvers Half Long... 1 oz.  | <b>LEEK.</b><br>Large... 1 pkt.                                   | <b>PARSLEY.</b><br>Curled... 1 pkt.                           | <b>RADISH.</b><br>Round Red... 1 oz.<br>Long Red... 1 oz.<br>Long White... 1 oz.     | <b>TOMATO.</b><br>Early Red... 1 pkt.                     |
|  | <b>LETTUCE.</b><br>Early Curled... 1 oz.<br>Best Summer... 1 oz.  | <b>PARSNIPS.</b><br>Hollow Crown... 1 oz.                     | <b>RUTABAGA.</b><br>Yellow Purple Top... 1 oz.                                       | <b>TURNIP.</b><br>Early White... 1 oz.                    |
|  |   |   |  | <b>SWEET CORN.</b><br>Early... 3/4 pt.<br>Late... 1/2 pt. |

## COLLECTIONS OF FLOWER SEEDS.

The low prices quoted include postage.

### HARDY SUMMER FLOWERING ANNUALS.

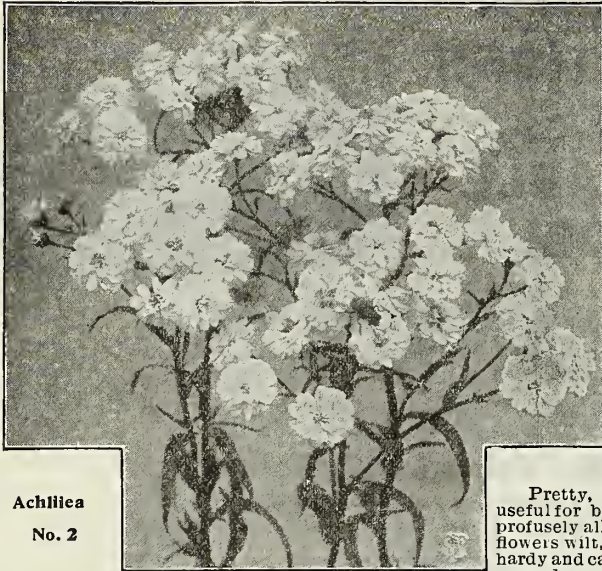
- No. 1201— 12 distinct sorts, 1 packet of each (including 1 oz. packet each Sweet Peas and Dwarf Nasturtiums) our selection..... 50c.
  - No. 1208— 6 distinct sorts, 1 packet of each (including 1 oz. pkt. each Sweet Peas and Dwarf Nasturtiums) our selection..... 30c.
- ### OLD FASHIONED HARDY PERENNIALS.
- No. 1202— 12 distinct sorts, 1 packet of each, our selection..... 45c.
  - No. 1209— 6 distinct sorts, 1 packet of each, our selection..... 25c.
- ### QUICK-GROWING HARDY ANNUAL CLIMBERS.
- No. 1203— 12 distinct sorts, 1 packet of each, our selection..... 45c.
  - No. 1210— 6 distinct sorts, 1 packet of each, our selection..... 25c.
- ### SWEET-SCENTED FLOWERS.
- No. 1204— 12 distinct sorts, 1 packet of each, our selection..... 45c.
  - No. 1211— 6 distinct sorts, 1 packet of each, our selection..... 25c.
- ### FLOWERS FOR BEES.
- No. 1205— 12 distinct sorts, 1 packet of each, our selection..... 45c.
  - No. 1212— 6 distinct sorts, 1 packet of each, our selection..... 25c.
- ### EVERLASTING FLOWERS.
- No. 1206— 6 distinct sorts, 1 packet of each, our selection..... 25c.
- ### ORNAMENTAL GRASSES.
- No. 1207— 6 distinct sorts, 1 packet of each, our selection..... 25c.



# F. S. & N. CO'S GENERAL LIST OF RELIABLE FLOWER SEEDS.

All Flower Seeds are sent prepaid by mail or express. Cultural directions are given on all packets.

## ACHILLEA.



Achillea  
No. 2

2—*Ptarmica* "The Pearl." (*Double White Yarrow*). One of the best hardy perennials. Grows about 2 feet high, and is covered from spring till frost with heads of purest white, double flowers. A grand plant for cemetery decoration. Easily grown. Pkt. 10c, 1/4 oz. 50c.

## ACONITUM. (Monk's Hood or Wolfbane.)

3—*Napellus*. A hardy perennial, growing in any good garden soil and producing showy, long spikes of hood-shaped blue and white flowers. Well adapted for planting among shrubbery or in shady corners of the garden; 3 to 5 ft. high. Pkt. 5c, 1/4 oz. 25c.

*Acroclineum*. (See page 93).

*Adlumia*. (See page 93).

## AGERATUM.

Neat, bushy and erect growing plants, bearing continually clusters of pretty flowers during the season. The dwarf sorts are some of our very best border plants and are especially fine when used in contrast with Geraniums, Salvia, etc. They thrive everywhere and are easily grown.

7—*Blue Perfection*. Deep amethyst-blue, the darkest colored of all large-flowering varieties; height 9 in. Pkt. 5c, 1/4 oz. 20c.

8—*Little Blue Star*. A charming variety, invaluable for small beds and edgings. The plants are perfectly compact, attaining a height of 4 to 5 in. and are literally covered with bright blue flowers. Pkt. 10c.

9—*Little White Beauty*. Best dwarf white variety. Pkt. 5c, 1/4 oz. 25c.

## ALYSSUM.

Pretty, little, sweet-scented plants very useful for beds, vases and edgings, blooming profusely all summer; if cut back after the first flowers wilt, others will come. They are quite hardy and can be sown very early in the open ground

10—*Sweet Alyssum (maritimum)*. Plants 8 inches high, with clusters of pure white flowers; hardy annual of easiest culture. Pkt. 5c, 1/2 oz. 15c, 1 oz. 25c.

12—*Little Gem or Carpet of Snow (procumbens)*. An improved sort of dwarf, compact habit, about 4 inches high; begins to bloom when quite small and the plants soon become a solid mass of white and remain so until late in the fall. Hardy annual. Pkt. 5c, 1/2 oz. 25c.

13—*Gold Dust (saxatile compactum)*. Plants 1 ft. high, producing a profusion of golden-yellow flowers. very showy in masses; hardy perennial of easy culture. Pkt. 5c, 1/4 oz. 15c.

## AMARANTHUS.

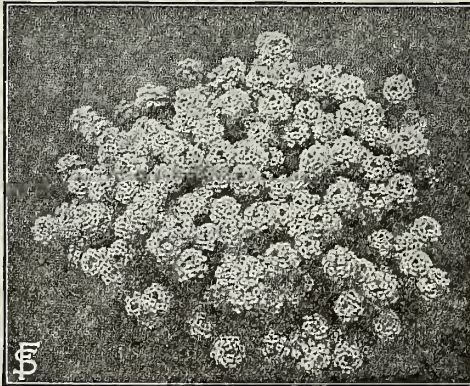
15—Annual varieties 2 to 3 feet high with brilliant foliage; the leaves and stems are of different shades of red, blended with green. Useful for borders of tall plants or for the center of beds. Mixed. Pkt. 5c, 1/2 oz. 15c.

## ANCHUSA CAPENSIS.

16—(*Cape Forget-me-not*). A rare, little known, hardy annual of great beauty, resembling a large forget-me-not of deep blue color. Blooms all summer and thrives in the shade and all such out-of-the-way places, where scarcely anything else will grow. Pkt. 5c, 1/4 oz. 15c.

## ASPARAGUS.

91—*Plumosus Nanus*. This graceful climber has finer foliage than the most delicate fern; an excellent house plant. Pkt. 10c.  
92—*Sprengeri (Emerald Feather)*. Fine for suspended baskets; fronds 4 ft. long. Pkt. 10c.



Alyssum, No. 12.

## Antirrhinum, or Snapdragon.

A charming old-fashioned flower; the large blooming varieties, with their long spikes of brilliantly colored flowers produced during the whole season, are fine bedding plants. Hardy annuals; the tall varieties grow about 2 ft., the dwarf ones about 12 inches high.

19—*Giant Fragrant Snapdragon*. A new strain with very large flowers produced on immense spikes. Very fragrant. Finest mixed. Pkt. 10c, 1/8 oz. 15c.

20—*Tall Large-flowering Mixed*. Pkt. 5c, 1/4 oz. 15c.

21—*Queen of the North*, large white flowers, deliciously sweet; a gem for beds and pot culture; of dwarf growth. Pkt. 10c, 1/8 oz. 15c.

22—*Dwarf Large-flowering*, finest colors mixed. Pkt. 5c, 1/4 oz. 15c.

## AQUILEGIA or COLUMBINE.

Charming hardy perennial of easy culture, growing 3 ft. high. The plants make a magnificent display of handsome, long-spurred flowers in early spring and summer.

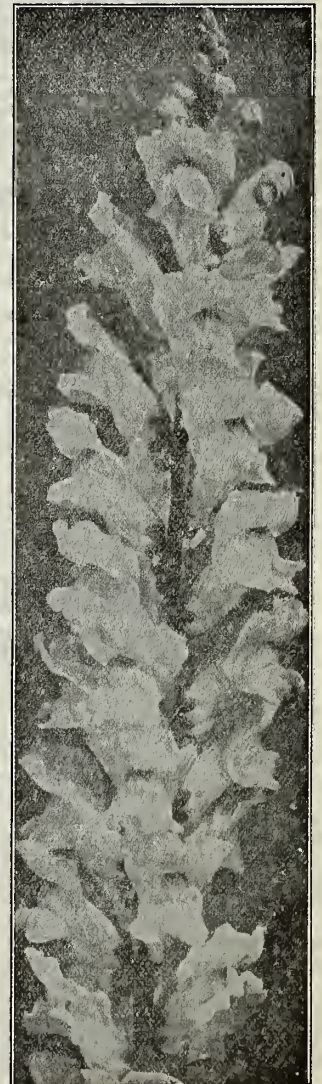
23—*Finest double mixed*. Pkt. 5c, 1/4 oz. 15c.

25—*Finest single mixed*. Pkt. 5c, 1/4 oz. 15c.

24—*Coerulea, (Rocky Mountain Blue Columbine)*. One of the most beautiful of our native American flowers. Pkt. 10c, 1/8 oz. 25c.



Ageratum, No. 8



Antirrhinum



# ASTERS.

ASTERS are today one of the most popular and most important summer and autumn flowers, as they appear in their fullest beauty when the ordinary summer flowers are beginning to look rusty; their blooms are freely produced, are very effective, and last until spoiled by the frost of autumn.

Asters are classified according to their height, as tall, half dwarf and dwarf. The tall varieties are fine for the center of large beds and for cutting; the dwarfs are particularly fine for borders or masses of one color, as they are compact and bloom very profusely; the semi-dwarf are good for all purposes and extra fine for pot culture.

Plants from seed sown in the open ground in May will bloom in September and October; if started in the hot bed, pots or boxes in the house, in March or April, flowers can be had in July and August.

## TALL VARIETIES.

### American Giant Branching.

The finest of all Asters for the American climate.

The plants are healthy, of robust growth, about 2 to 2½ feet high, and have a tendency to form numerous branches, which gives the class its name. These asters are wonderfully prolific and continue to bloom from summer until checked by frost; their magnificent blooms measuring 4 to 5 inches across, are of perfect form, exceedingly double to the very center and are borne on strong stems. The petals are both long and broad and are more or less twisted and curled, giving the flowers a chrysanthemum-like appearance.

- 30—Pure white.
- 28—Lavender.
- 26—Crimson.
- 29—Dark blue.
- 27—Pink

Price: Packet 10c. ⅓ oz. 20c. ¼ oz. 35c.

One packet each of these 5 colors for 35c.

32—All colors mixed.....Packet 5c, ⅓ oz. 15c, ¼ oz. 30c.

### CARLSON OR EARLY BRANCHING ASTER.

36—Similar to the above, but comes into bloom two weeks earlier. Finest mixed.....Packet 10c, ⅓ oz. 20c.

### EARLY HOHENZOLLERN ASTERS.

The finest strain of the Giant Comet or Ostrich feather type; the flowers are larger, with petals more curled and twisted than those of the Giant Comet; they are produced in great abundance, and borne on long stems, which makes them excellent for cutting. Height 2 feet.

- 37—White.
- 94—Delicate rose.
- 95—Light blue.
- 35—Dark Crimson.
- 38—Mixed colors

Price: Packet 10c, ⅓ oz. 25c, ¼ oz. 45c.

One packet each of the 5 colors for 40c.

### HERCULES ASTER.

34—Pure White. This new variety is similar in shape to the Hohenzollern type, but is a marvel on account of its huge size, surpassing all other asters; the flowers are of most refined shape, graceful form and perfect doubleness. Height 2 feet.....Packet 15c.



American Giant Branching Aster.

### NEW RAY ASTER.

43—Quite a new type of tall asters. The flowers are very large, often 5 inches across, perfectly double, with long needle or quill-shaped petals, giving the blossoms a very distinct appearance, and are produced on long, thin, wiry stems. A very beautiful and attractive variety. Splendid for large beds and an excellent cut flower. Finest mixture.....Packet 10c, ⅓ oz. 25c.

## 6 of the best American Asters.

These asters are of different types, but are all of strong, healthy growth, free-flowering and belong to the finest and most beautiful varieties produced.

- 62—Daybreak. A beautiful early aster, commencing to bloom in August; flowers are ball-shaped, very double and of a lovely shell-pink color; excellent for cutting; height 18 in....Packet 10c.
- 78—Lavender Gem. An early ostrich feathered aster, with long, artistic, loosely arranged petals of the most charming shade of lavender imaginable. The flowers are large and are borne in profusion on long, wiry stems.....Packet 10c.
- 64—Purity Aster. Identical in form and habit with the Daybreak, but the blooms are pure, glistening white.....Packet 10c.
- 79—Snowdrift. An extra early ostrich feathered strain which comes into bloom in July; the flowers are large, plummy snow-white and unsurpassed in beauty.....Packet 15c.
- 31—Violet King. A new and distinct strain of the late branching class, with very large, perfectly double flowers of a soft violet-lilac color.....Packet 10c.
- 99—Crimson King. A superb strain of the late branching class with extra large, densely double flowers of very rich, blood-crimson color, making a brilliant bed or border; very desirable for cutting...Pkt. 10c.

The American Aster Set | One packet each of the above varieties for..... 50c.

87—Tall Asters—Fancy Mixed. Many varieties of the best double tall asters in finest mixture.....Pkt. 5c, ⅓ oz. 15c, ¼ oz. 25c.

### SINGLE FLOWERING ASTERS.

60—Original China Aster. These Single China Asters are very effective in beds or borders, and offer a pleasant change to the innumerable double sorts; mixed colors.....Packet 5c, ¼ oz. 25c



Giant Comet Aster.

The Asters raised from seed purchased of you were the prettiest I have ever seen. All the people that passed our house were struck with surprise at the brilliant display of color and the immense size of the flowers. They asked us where we got the seed and we were glad to tell them. Everyone told us they never saw anything to equal our aster bed. Enclosed I send another seed order. Fred Hussel, Sauk City, Wis.

# ASTERS. Continued. HALF DWARF VARIETIES.

## GIANT COMET or POODLE ASTERS.

A very beautiful aster; the immense size of the flowers and the long, wavy, twisted petals produce an effect not unlike that of the finest Japanese Chrysanthemums. Height 15 to 18 in.; blooms in August.

- 53—Pure White.
- 51—Brilliant carmine.
- 47—Light blue.
- 52—The Bride, white, changing to rose.
- 48—Dark blue.
- 55—All colors mixed.

Price: Each, Packet 10c, 3 for 25c, 1/8 oz. 25c.

## CANARY BIRD ASTER.

33—The best yellow variety known; the flowers are of large size, and of the Victoria strain, perfectly double, and of a rich golden color. .... Packet 10c.

## WHITE LADY ASTER.

61—This beautiful aster has become a great favorite everywhere. It is one of those rare gems that has come to stay; no private garden is complete without it. The flower is of an exquisite, pure snow-white color and is always full double. In habit of growth the plant is erect and of medium height. The flowers are borne on large, slender, wiry stems. .... Packet 15c.

## VICTORIA ASTERS.

Considered by some the most beautiful asters in cultivation. The plants are strong growers, about 18 inches high, and branch freely into well formed pyramidal bushes, each bearing 15 to 20 magnificent large flowers, measuring 4 1/2 to 5 1/2 inches across. The broad petals are curved outward and lie in tile fashion, one on top of the other. The Victoria class is perhaps the most showy of all asters and is excellent for both bedding and cutting; blooms during August and September.

- 76—Miss Roosevelt, primrose, changing to flesh color.
- 75—White.
- 74—Dark blue.
- 71—Crimson.
- 77—Mixed colors.
- 73—Light blue.

Price: Each, Packet 10c, 3 for 25c, 1/8 oz. 35c, 1/4 oz. 65c.



Queen of the Market Aster.

## Queen of the Market. The Best Early Asters.

Of all the many new varieties of asters, which have been offered in the last years as "just as early or earlier" than the Queen of the Market, none equals this old favorite in evenness of growth and bloom, size and fullness of flower or can replace it in general usefulness. The earliest flowering of all first-class varieties. It comes into bloom in July, or fully three weeks in advance of the larger flowering sorts; the plants are of branching habit and bear on long stems good sized flowers in great profusion; valuable for cutting; height one foot.

- 69—Pure white, 65—Crimson, 68—Dark blue, 70—Mixed, all colors. .... Packet, Each 5c, 1/4 oz. 25c, 1 oz 75c.

## DWARF VARIETIES.

### GLORIA or BUTTONHOLE ASTER.

82—Height 10 inches, very branching and free blooming, as many as 40 flowers having been counted on one plant. The flowers are 1 1/2 inches in diameter and are pure white, with a beautiful scarlet margin. It is the prettiest aster we know of for buttonhole wear or small vases and for bedding as well. .... Packet 10c, 1/8 oz. 30c.

### DWARF HOHENZOLLERN ASTERS.

A new, splendid strain of dwarf asters about 6 to 7 inches in height. The flowers are very large, perfectly double and the petals curved and twisted, similar to those of a good giant Comet Aster. Fine for growing in pots, as well as for beds and borders.

There is no other variety of asters, of such dwarf growth, that produces flowers of such perfection and size.

- 85—White..... Pkt. 10c, 1/8 oz. 35c.
- 84—Azure blue..... Pkt. 10c, 1/8 oz. 35c.
- 83—Crimson..... Pkt. 10c, 1/8 oz. 35c.
- 86—Mixed colors..... Pkt. 10c, 1/8 oz. 25c.

### DWARF ASTERS — Fancy Mixed.

88—Many varieties of finest double dwarf asters in cultivation. Mixed. .... Packet 5c, 1/4 oz. 30c.

## ASPERULA.

90—Odorata (Sweet Woodruff). Grown for its fragrant leaves and stems; flowers small and white. .... Packet 5c.

89—Azorea Setosa. Splendid annual of easiest culture, about 9 in. high, covered thruout the summer with light lavender-blue fragrant flowers. .... Pkt. 5c, 1/2 oz. 15c.

## BALSAMS, Lady's Slipper.

Balsams deserve their increased popularity and should be extensively grown in beds and borders, as the plants make a splendid show, yielding an abundance of flowering sprays which are also fine for table decorations. A quick-growing, tender annual of the easiest culture; seed should be sown in the open ground in May and the plants thinned out or transplanted 18 inches apart. Our seed is of the best quality and produces large, full-double flowers.

153—Double Camellia-flowered, mixed. Large flowers, perfect and double, like Camellias, as produced in wonderful profusion; 2 feet high. .... Packet 5c, 1/2 oz. 25c.

### The Royal Balsams.

The finest of all balsams, having the largest flowers of the most perfect form and the fullest doubleness. Height 1 1/2 foot.

- 167—The King, intense scarlet, exquisite. .... Packet 10c, 1/4 oz. 25c.
- 168—The Queen, pure, bright satiny-rose, a lovely color. .... Packet 10c, 1/4 oz. 25c.
- 152—White Monarch, pure white, extra large. .... Packet 10c, 1/4 oz. 25c.

BALOOON VINE. (See page 93.) BALSAM APPLE. (See page 93.)



Royal Balsams

I want to tell you that I raised 235 Geranium plants from the packet of seed that I bought of you last year. The stalks grew from one to three feet in height and some of the stalks measured one inch in diameter, with the largest leaves measuring eight inches across. They were simply superb.

ARTHUR H. GRIFFEE, FINKSBURG, MD.



Campanula, Canterbury Bells, No. 267.

**CALLA, Devoniensis.**

203—The most beautiful and best Calla to date. It produces from 3 to 4 times as many flowers as the older sorts. The seedlings come true and will bloom the first year. Its culture is the simplest. Pkt. 10c.

**CANDYTUFT.**

Candytufts are among our best plants for edging, bedding, and for cutting. They are hardy annuals, bearing profusely large spikes of flowers during the season. Sown outdoors in April, the plants will bloom in July; they are also sown in autumn and will then bloom early in spring before many other flowers are visible.

211—Empress, a grand variety, producing enormous spikes of bloom, resembling a white hyacinth and often measuring 7 in. long by 2½ in. in diameter; 12 in. high. A fine bedding plant. Pkt. 5c, ½ oz. 20c.

213—Little Prince, a dainty and distinct variety with immense spikes of snowwhite flowers borne in great profusion on sturdy little plants, height 6 in. Pkt. 5c, ½ oz. 20c.

214—Odorata, small white flowers, very sweetly scented. Pkt. 5c, ½ oz. 10c.

215—Mixed, all colors. Splendid bright colored bedding plants. Pkt. 5c, ½ oz. 10c.

**CANNAS.**

Cannas, with their luxuriant foliage and immense flowers of the most brilliant colors, borne continuously and abundantly, are easily the most useful and showy garden plants for the American climate. Seeds started in the house in March and April will produce flowering plants by July.

216—Large flowering, finest colors mixed. Pkt. 5c, ½ oz. 15c.

217—Dark-leaved varieties, mixed. Pkt. 5c, ½ oz. 15c.

**CARNATION.**

Carnations are general favorites on account of their bright colored, deliciously fragrant flowers. The Marguerites and Chabauds are the best for summer blooming; the strains which we offer here are the best and largest flowering and also the very earliest and can be had in bloom four months from sowing.

218—Perpetual Early Flowering, double Chabaud. A very fine, early and large-flowering strain, likely to produce flowers fully equal to the best green-house sorts; contains a great variety of colors, very fine for pot plants. Mixed. Pkt. 15c.

224—Marguerite, double, large-flowering, mixed. These beautiful, double, fringed flowers make a brilliant display of attractive coloring in beds and borders and are greatly prized for table decorations. Height 18 inches. Pkt. 5c, ¼ oz. 25c.

219—Hardy German Carnations. The finest assortment of extra double, sweet-scented carnations from the best German Growers. For garden and house culture. Superior mixture. Pkt. 10c.

**CINERARIA.**

Cape Aster. A favorite, free flowering house or window plant, the shades including blue, purple, crimson, maroon, etc. Many varieties produce flowers with a clear white eye. Height 1 foot; flowers 2 inches across or more.

248—Large-flowering single mixed. Our strain is very fine. Pkt. 25c.

**BEGONIA.**

All Begonias are fine pot plants and are also deservedly popular for bedding, thriving equally well in full sunlight as in a shaded position. They have handsome foliage and bear continuously and in great profusion lovely flowers of waxlike texture, in exquisitely soft, delicate shades.

161—Vernon, an ever-blooming variety with bright orange-carmine flowers and deep red foliage; 6 inches high; extensively used for bedding. Pkt. 10c.

169—Erfordia, the pink-flowered sort; dark green foliage; 6 inches high. Pkt. 15c.

160—Rex, mixed sorts, the finest ornamental pot plants with beautifully variegated foliage; does not bloom. Pkt. 20c.

**BRACHYCOME—Swan River Daisy.**

Elegant, dwarf growing, free flowering annual, covered with a profusion of pretty flowers all summer.

159—Mixed Colors. Shades of Blue, Pink and White. Pkt. 5c, ¼ oz. 20c.

**BROWALLIA.**

166—Speciosa Major. A beautiful large-flowering variety of a bright violet-blue color, relieved by a white throat. Very fine for bedding, hanging baskets and vases, but especially valuable as a pot plant for winter and early spring flowering; height two feet. Pkt. 10c.

**CACTUS.**

Every one is interested in these curious plants, and considering the comparative ease with which the plants can be grown from seed, it is not surprising that there is such a large demand. Start seeds in boxes or pots at any time.

170—Cactus. Many imported varieties in splended mixture. Pkt. 10c.

**CALCEOLARIA.**

An ornamental house plant, producing a mass of beautiful pocket-like flowers early in the spring.

201—Hybrida, grandiflora, large flowering, mixed colors. Pkt. 20c.

**CALENDULA, or Pot Marigold.**

One of the best and showiest, free-flowering, hardy annuals, continuously in bloom until killed by frost. It grows in any good garden soil, producing a fine effect in beds or mixed borders, valuable also for pot culture. One foot high.

202—Officialis, large flowering double, mixed colors. Pkt. 5c; ½ oz. 10c.

**CALLIOPSIS** (See Coreopsis.)

**CALIFORNIA POPPY** (See Eschscholtzia.)

**CAMPANULA,**

**CANTERBURY BELLS.**

Imposing, hardy plants profusely covered with large, bell-shaped flowers which are extremely showy in shrubberies and borders. They are easily grown from seed; will bloom for 2 years, but require protection during the winter. Height 2 feet.

207—Medium single mixed. Pkt. 5c, ½ oz. 10c.

208—Medium double mixed. Pkt. 5c, ½ oz. 20c.

206—"Cup and Saucer" (Calycanthema). Beautiful flowers 3 in. long, saucers 3 to 4 in. across. Plants form perfect pyramids of bloom about 24 in. high, and frequently bear 100 to 200 exquisite blossoms for weeks in early summer. Finest mixed. Pkt. 5c.

267—F. S. & N. Co's Improved Mixture; finest mixture of many different varieties and all colors. Pkt. 10c, ½ oz. 25c.

**Cobaea Scandens.** (See climbers, Page 93).  
**Coix or Jobs Tears.**  
(See Ornamental Grasses, Page 93).



Candytuft, Little Prince, No. 213.



German Carnation, No. 219.



Annual Chrysanthemums, No. 244.

are indispensable for borders and bedding and excellent for window garden; easily raised from seed.

- 256—Mixed, many varieties..... Pkt. 5c.
- 257—Ornatus, the finest strain of Coleus with large leaves, crimped, frilled and irregularly spotted and marbled in the richest combinations of colors. Strikingly handsome plants; height 2½ feet..... Pkt. 15c, 2 for 25c.

**COCKSCOMB. (Celosia).**

Annuals of the easiest culture, producing in great masses flowers of the most striking and gayest coloring and of various unique forms. The innumerable small flowers of the cockscombs form a brilliantly colored mass, corrugated and frilled at the edge, like a cock's comb and are fine for edgings and pot plants. The plumosa sorts have large ostrich feather-like plumes; are beautiful in large groups.

- 225—Cristata Cockscomb, dwarf mixed..... Pkt. 5c, ½ oz. 20c.
- 226—President Thiers, dwarf; immense, brilliant dark crimson combs, a magnificent, very showy plant..... Pkt. 10c, 3 for 25c.
- 228—Plumosa Thompsonii magnifica, finest mixture of ostrich-feathered sorts, magnificent shades, ranging from clear yellow to the darkest blood-red..... Pkt. 5c, ¼ oz. 25c.

**COREOPSIS or Calliopsis.**

Showy and handsome, free-flowering plants, which beautify our gardens from June until frost. Gold and maroon of the most brilliant hues are the prevailing colors, and nothing is more effective than a bed of these golden flowers; they are also very useful for cutting. Easily raised from seed; they will grow and thrive everywhere.



Cockscomb, Pres. Thiers.

**ANNUAL SORTS or CALLIOPSIS.**

- 204—Tall Mixed..... Pkt. 5c, ½ oz. 10c.
- 205—Dwarf Mixed..... Pkt. 5c, ¼ oz. 10c.
- 210—Golden Wave, large yellow flowers with rich crimson-brown center. Height 2 ft..... Pkt. 5c, ¼ oz. 10c.

**PERENNIAL SORTS or COREOPSIS.**

- 261—Lanceolata, grandiflora, Golden Glory, a showy hardy plant. Blooms from seed the first year. In bloom all summer..... Pkt. 5c, ¼ oz. 15c.

**COSMOS.**

Strong, tall-growing, half-hardy annuals, with beautiful, feathery green foliage from which arise, on long stems, an abundance of daisy-like flowers in shades of pure white, pink and crimson. The plants bloom in the fall and furnish cut-flowers when other varieties are scarce. Very effective if grown in masses. The early varieties may be sown in the open ground and will then bloom in July, but the later kinds should be started in the house.

- 263—Early-flowering varieties mixed..... Pkt. 5c, ½ oz. 25c.
- 264—Early Dawn, white, with a tint of delicate rose at the base of the petals..... Pkt. 5c, ¼ oz. 20c.
- 262—Glant-flowering, mixed, magnificent flowers of large size and perfect form; a late strain..... Pkt. 5c, ½ oz. 15c.
- 265—Klondyke, new variety with gorgeous orange-yellow flowers and pretty foliage..... Pkt. 10c.

**CENTAUREA.**

Plants of the hardiest nature and simplest culture, yet esteemed as one of the most attractive and graceful of all the old-fashioned flowers. The flowers with their long, wiry stems are very useful for cutting, and when placed in water increase in size.

**CORNFLOWER. (Centaurea Cyanus).**

- 231—Blue Emperor, single very fine cut-flower..... Pkt. 5c, ½ oz. 10c.
- 233—Blue Emperor, double..... Pkt. 5c, ¼ oz. 25c.
- 232—Single mixed..... Pkt. 5c, ½ oz. 10c.
- 234—Double mixed..... Pkt. 5c, ½ oz. 15c.

**GIANT SWEET SULTANS. (Centaurea Imperialis).**

The finest class of the Sweet Sultans with beautiful, sweet-scented, artistic-shaped flowers.

- 236—Mixed, all colors..... Pkt. 5c, ¼ oz. 15c.

**WHITE-LEAVED CENTAUREAS. (Dusty Millers).**

Fine for edgings, vases and hanging baskets.

- 229—Candidissima, silvery-white leaves..... Pkt. 10c.
- 230—Gymnocarpa, fine cut, silvery-gray leaves..... Pkt. 5c, ¼ oz. 15c.

**CHRYSANTHEMUM.**

**Annual Sorts.**

Showy and effective in the garden, especially when grown in large beds or masses; they are also very desirable for cut-flowers; bushy, compact plants about 15 inches high.

- 244—Mixed, all colors, double and single..... Pkt. 5c, ¼ oz. 10c.
- 245—Segetum, Evening Star. Bright golden yellow flowers. Splendid bedding plant and of easy culture..... Pkt. 5c, ¼ oz. 15c.

**Perennial Sorts.**

- 246—Japanese Hybrids. This is the class that produces the large show flowers of late fall. Our mixture contains only the earliest kinds and finest colors. Plant the seed early... Pkt. 15c.

**COLEUS.**

Tender annual, ornamental foliage plants, with leaves of many shapes and of various shades of rich velvety colors; they garden; easily raised



Coreopsis, Golden Glory No 261

**DAHLIA.**

Dahlia plants from seed sown early in the spring will bloom abundantly the first summer, and give a magnificent display of bright colors late in the season. The dahlia is a tender perennial. Roots must be housed in winter.

- 300—Double Fine Mixed. Very large flowering show sorts, all colors..... Pkt. 5c, ¼ oz. 25c.
- 301—Double Cactus Flowered. Seed is saved from an extensive collection of the best varieties and can be relied upon to yield handsome flowers; mixed colors..... Pkt. 10c.
- 302—Single Giant Perfection. This strain produces flowers of immense size, averaging 6 inches across, of the most bewildering variety of coloring, mixed colors..... Pkt. 10c, ¼ oz. 30c.
- 303—Crown, or Fragrant Dahlia. A splendid variety with beautiful, large, single, brilliant scarlet flowers with a honey-like fragrance..... Pkt. 15c.

**DATURA CORNUCOPIA. (Horn of Plenty.)**

- 305—Grand trumpet-shaped flowers measuring from 7 to 9 inches in length and nearly 6 inches across, forming 2 distinct trumpets, growing one within the other. The throat and mouth of the corolla are delicate white, while the outside is marbled with purple. A single plant often bears up to two hundred flowers during the season..... Packet 5c.

**DELPHINIUM, or PERENNIAL LARKSPUR.**

The Delphiniums furnish our gardens with flowers of striking beauty in form and color, and are extremely valuable during the early months of summer. They are most effective when groups are dotted here and there in borders and shrubberies.

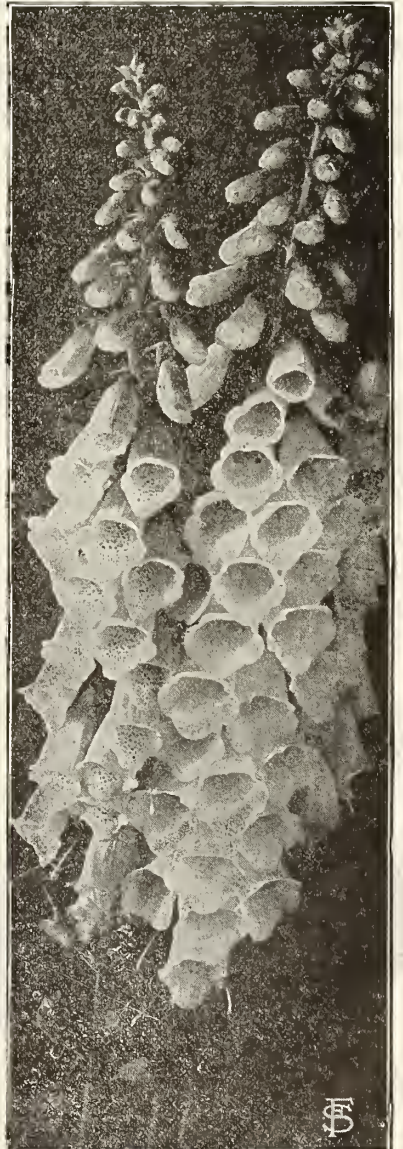
- 306—Formosum. Rich dark blue, 3 feet high..... Pkt. 5c, ¼ oz. 25c.
- 325—Formosum, coelestinum. Delicate sky-blue, 3 feet high..... Packet 10c.
- 324—Album Grandiflorum. Large white flowers, 2 feet high..... Pkt. 5c, ¼ oz. 15c.
- 307—Nudicaule. Scarlet, 1 foot high..... Packet 20c.
- 308—Zaili. Yellow, 3 feet high..... Packet 15c.
- 326—Mixed colors of giant, single and double flowering hybrids..... Pkt. 10c, ¼ oz. 20c.

For Annual Varieties see Larkspur.

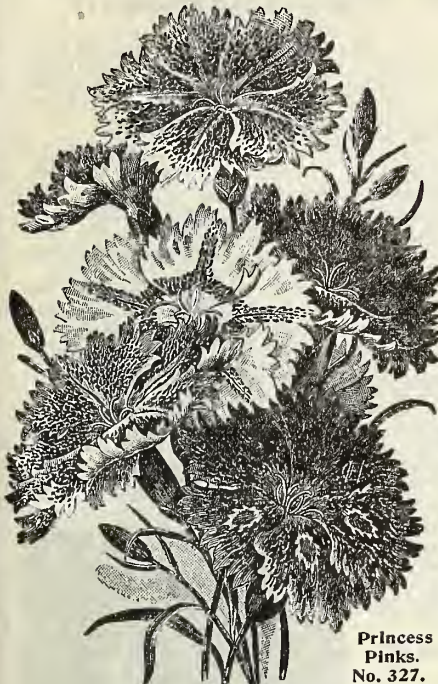
**DIGITALIS. FOXGLOVE.**

Handsome, ornamental, hardy plants of stately growth. The seed, tho small, germinates readily and the plants succeed well even in poor soil if given a half shady location. The spikes are often 3 to 5 feet long and thickly strung with scores of thimble-shaped flowers.

- 322—Giant Flowering, finest mixed, the new large flowering kinds..... Pkt. 5c, ¼ oz. 15c.



Digitalis. No. 322



Princess Pinks. No. 327.

**DIANTHUS or PINKS.**

The numerous species of Dianthus include some of the most popular flowers in cultivation; their coloring is exceedingly rich and varied, and their beauty scarcely surpassed by any flower of the garden. They grow freely from seed, flowering the first year, come true in color and remain for months in full beauty; they are quite hardy. The plumarius sorts are perennial, all others biennial.

- 311—Chinensis, China or Indian Pinks, finest mixed, large double flowers, beautiful, rich and varied colors. Pkt. 5c, ¼ oz. 10c.
- 313—Heddewigil, Giant Japan Pinks, single, mixed colors..... Pkt. 5c, ¼ oz. 15c.
- 314—Heddewigil, double, best mixed; large flowers of most brilliant colors, varying from pure white to rich, dark crimson, some being beautifully laced or striped..... Pkt. 5c, ¼ oz. 10c.
- 315—Heddewigil, Eastern Queen, single, beautifully marbled and striped with dark shades of rose upon lighter ground..... Packet 5c.
- 316—Heddewigil, Fireball, double, a dwarf variety, producing globular flowers of brilliant dark scarlet color, a very beautiful flower, very fine for bedding..... Pkt. 5c.
- 317—Heddewigil, Snow Queen, double, very fine, large, white flowers, resembling carnations, produced in great abundance..... Packet 5c.
- 318—Heddewigil Laciniatus, Snowdrift, very large, extra double blooms, pure white, beautifully fringed. A very fine and free flowering variety..... Packet 10c.
- 319—Heddewigil Laciniatus Mirabilis, single mixed. The Wonder Pink. A remarkable and distinct new strain, producing large flowers, 3 to 4 inches in diameter; the petals are deeply cut into thread-like fringes for about half their length and are twisted in all directions; in color they vary very much, having all shades from pure white to purplish-red..... Packet 5c.
- 320—Heddewigil Laciniatus Vesuvius, single, nicely fringed flowers of the most intense orange-scarlet, a really dazzling color; it makes a bed or border as showy as if planted with scarlet geraniums, and this at a mere fraction of the cost of geraniums..... Packet 10c.
- 321—Plumarius, Semperflorens, single and double mixed. These old fashioned Scotch, Spice or Grass Pinks are hardy perennials, about 1 foot high. Flowers have delicately fringed petals in great diversity of color and possess a spicy-clove fragrance..... Packet 5c.
- 327—Laciniatus Punctatus, Princess Pinks. The single flowers of this novelty show a most charming display of extremely peculiar markings which are quite independent from the original color, being intensely dotted and lined, rather leopard and tigered. Whatever the coloring of the flowers may be, whether light or dark, these markings vary in such a lovely display of shades and colors that scarcely two flowers may be found alike..... Packet 10c.



Delicata Daisy. No. 165.

**DIMORPHOTECA AURANTIACA.**

- 299—Golden Star Flower or African Orange Daisy. A rare and very showy annual of easiest culture. The beautiful orange colored, large Daisy-like flowers are produced in greatest profusion. One foot high. Well adapted for beds and borders..... Packet 10c.

**DOUBLE DAISY.**

Daisies are easily raised from spring sown seed and come into flower in a very short time. They thrive best in cool, shady places, are very pretty and deserve to be grown more universally than they are. Admirably adapted for edgings, especially for borders of pansy and forget-me-not beds, and also well suited for pot culture.

- 162—Double, large flowering, mixed colors..... Packet 5c.
- 163—Longfellow, long and stiff flower spikes; large, double, dark pink flowers..... Packet 10c.
- 164—Snowball, long stem, large double, white flowers..... Packet 10c.
- 165—Delicata. Flowers are extremely double, of a rosy-white color, with a bright, purplish-red center. Very fine for bedding..... Packet 10c.
- 304—Shasta Daisy, Single. Large flowers with white, cream and yellow colored petals and small golden centers, large stems; hardy perennials, mixed colors. Burbank's best varieties..... Pkt. 10c.





Grass Pinks. No. 420.

### ESCHSCHOLTZIA. (California Poppy.)

- 351—Mixed colors, single and double. Extremely handsome, low and quick growing annuals, with finely cut bluish foliage and cheerful blossoms. Nothing can excel it in brightness. It deserves a place in every garden border..... Pkt. 5c, 1/4 oz. 10c.
- 352—California, the original yellow California Poppy..... Packet 5c, 1/2 oz. 10c.
- 353—Cardinal, beautiful carmine-rose..... Packet 10c, 1/4 oz. 15c.

### EUPHORBIA. (Snow on the Mountain.)

- 354—Remarkable, very showy foliage plant. The pretty, green leaves are veined and edged with white. 2 feet high..... Packet 5c, 1/4 oz. 15c.

### FORGET-ME-NOT. (Myosotis.)

Dainty, elegant little flowers, all of which bloom profusely for two seasons, flowering freely in early spring and fall; they love shady, moist places. Once at home in a garden they establish themselves by self-feeding. They are beautiful for borders, edgings and for pot culture. Average height six inches.

- 376—Blue Alpine, of trailing habit with bright blue flowers..... Pkt. 5c, 1/4 oz. 25c.
- 378—White Alpine, a very pretty variety with white flowers..... Pkt. 5c, 1/4 oz. 25c.
- 384—Ruth Fisher, the finest, largest blooming and best pot Forget-me-not. Neat, compact plants with dark green foliage and very lovely, dark blue flowers, measuring 1/2 inch in diameter. Fine for pot culture and bedding..... Pkt. 15c.
- 379—Disitiflora, perennial. The earliest and one of the best Forget-me-nots. It is of compact growth and produces an abundance of rich blue flowers; valuable to form a ground work for spring bulbs, like tulips etc..... Pkt. 10c, 1/2 oz. 50c.
- 380—Palustris, semperflorens, perennial. Large, blue flowers, blooms from early spring until late in autumn; height 9 inches..... Pkt. 5c, 1/2 oz. 25c.

### FOUR O'CLOCK or MARVEL OF PERU.

- 381—A good old-fashioned flower, bearing during the season innumerable funnel-shaped flowers of red, white and yellow colors, which open about 4 o'clock in the afternoon and remain open all night; hardy annuals, 2 feet high; should be sown in open ground..... Pkt. 5c, oz. 10c.

### FUCHSIA.

A well-known tender perennial plant for the house and shady places in the garden; it is of easy culture from seed. The flowers are very graceful and delicate in form and rich in colors

- 382—Single and double, finest mixed. A splendid mixture of many varieties..... Packet 20c.

### GAILLARDIA. Annual Varieties.

Splendid, showy plants, remarkable for the profusion, size and brilliancy of their flowers, blooming from early summer till frost; they are very fine for beds and borders and also for cutting; 1 foot high.

- 401—Picta Lorenzlana, a charming, very double strain of large flowers in colors of red, orange, lemon, etc., making a very brilliant display..... Pkt. 5c, 1/4 oz. 15c.

### Gaillardia. Perennial.

- 402—Grandiflora, mixed colors. These magnificent hardy perennial plants should find a place in every hardy border; they thrive in almost any position and soil and require no protection during the winter. The flowers are very large, of the richest and most varied shades and combinations of colors and are produced in constant succession all summer and fall..... Pkt. 5c, 1/4 oz. 15c.

### GERANIUM.

The constant succession of bloom till frost and the brilliant colors of the flowers render the Geranium very desirable for pot culture and bedding. Half hardy perennial, easily grown from seed, will produce blooming plants the first summer.

- 403—Apple scented, a fragrant and favorite variety..... Packet 10c.
- 404—Zonale, single and double mixed, a superb strain of the largest and finest varieties..... Packet 10c.

### GLOXINIA.

Magnificent house blooming, bulbous plants with handsome bell-shaped flowers in a diversity of the richest colors. Will bloom in 4 to 5 months from time of sowing.

- 407—Large flowering, mixed colors..... Packet 15c.

GLOBE AMARANTH. Gomphrena. (See Immortelles, page 93.)

### GRASS PINKS.

These very desirable sweet-scented, low growing, early blooming and free flowering, hardy garden pinks are unequalled for the border of beds, automobile drives, and the old-fashioned garden, and should be planted in quantities in any good garden soil with full sun and in an open situation.

- 420—Single and double varieties, mixed..... Packet 5c, 1/8 oz. 15c.

### GODETIA.

- 409—A beautiful, dwarf, hardy annual, having large, delicately colored blossoms. Fine for shady places. Easily raised from seed, blooms all summer. Mixed colors..... Packet 5c, 1/4 oz. 10c.

### GYPSOPHILA. Baby's Breath.

Elegant, pretty, free-flowering plants with mist-like sprays of tiny, star-shaped, white flowers. Splendid material for bouquets in connection with bright flowers, such as Sweet Peas, Zinnias, etc.

- 410—Paniculata, a hardy perennial, 2 feet high, with graceful, branched panicles of white flowers..... Packet 5c, 1/4 oz. 15c.
- 411—Elegans, grandiflora, alba. An improved large-flowering strain of annual white Baby's Breath; 18 inches high..... Packet 5c, 1/2 oz. 10c.

HELICHRYSUM. (See Immortelles, page 93.)

### HELIOTROPE.

- 452—Mammoth-flowering, mixed colors. A very popular bedding and pot plant; the flower-heads of this new strain are of immense size, delicious fragrance and of many colors, ranging from white, thru all shades of blue, to dark violet. As easily raised from seed as asters or pansies; seed sown in spring will make fine summer blooming plants..... Pkt. 10c, 1/2 oz. 30c.
- 454—Heliotrope, fine mixed..... Pkt. 5c, 1/2 oz. 20c.



Fuchsia. No. 382.



Hollyhocks. See page 84.



Heliotrope.

**HOLLYHOCKS.**

We recommend our annual, ever-blooming sorts the easiest to raise and most free-blooming PERENNIAL VARIETIES.

Sow from April to June for plants to flower the following year.

- 456—Chater's double mixed, finest strain of double varieties. Pkt. 10c, 3 for 25c, 1/8 oz. 30c.
- 457—Giant Single, mixed colors, immense, showy flowers..... Pkt. 5c, 1/4 oz. 10c.
- 458—Allegheny, mixed colors. Mammoth flowers of exquisite colors, resembling crushed China silk..... Pkt. 10c, 3 for 25c.

**ANNUAL EVER-BLOOMING SORTS.**

**Blooming the first year from seed.** If sown in the open ground in May, the plants will flower in August, if however, started inside and set out in May, they will bloom in July. They are continuously covered with large flowers, averaging 5 inches across, the colors of which range from white, red, yellow to maroon and black.

- 459—Everblooming, single mixed, all colors..... Pkt. 5c, 1/4 oz. 15c.
- 460—Everblooming, double mixed, all colors..... Pkt. 10c, 3 for 25c.

**HESPERIS. Sweet Rocket.**

Old fashioned garden plant, and among the most desirable of hardy flowers; also known as Dame's Rocket and Dame's Violet; grows from 2 to 3 feet high, and bears spikes of showy white, lilac and purple fragrant flowers. Excellent for naturalizing among shrubbery or for planting in a permanent border.

- 455—Sweet Rocket, mixed..... Pkt. 5c, 1/2 oz. 10c.

**HUMULUS. Japanese Hop.** (See Climbers, page 94)

**HUNNEMANNIA. (Giant Yellow Tulip Poppy or Bush Eschscholtzia.)**

- 462—Should be treated as an annual. Sow seed out-of-doors in May and flowers will appear early in July and remain until frost. Foliage is fern-like and not unlike Eschscholtzia. Plants attain a height of 2 feet. Flowers are tulip-shaped, pure golden yellow. When cut and put in water they will last a full week. One of the most valuable garden plants we know of. Plant a large bed of these and you will be delighted..... Pkt. 5c, 1/4 oz. 15c.

**ICE PLANT. (Mesembrianthemum Crystallinum.)**

- 463—A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as tho covered with icy crystals..... Pkt. 5c.

**KOCHIA or SUMMER CYPRESS. (Kochia Trichophylla.)**

- 465—A highly ornamental, annual shrub, of unusually rapid growth, forming symmetrical-shaped bushes from 2 to 3 feet in height, of a cypress-like appearance. The leaves are slender and of a light pea-green until September, when, however, they change to carmine and blood-red. Its bright autumn coloring has given it two other names: "The Mexican Fire Plant" and "Burning Bush". The flowers are minute but countless..... Pkt. 5c, 1/4 oz. 15c.

**LANTANA HYBRIDA.**

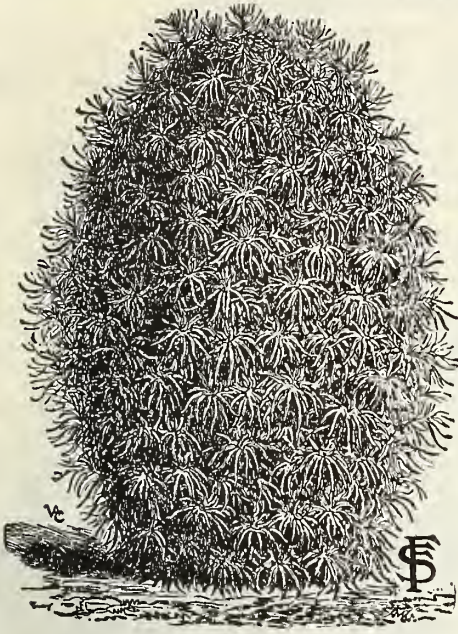
- 466—Shrubby, half-hardy, perennial plants, with clusters of verbenalike flowers, producing their pink, yellow, orange and white heads in great abundance. Suitable for outdoor use in summer and for house culture..... Pkt. 5c, 1/2 oz. 15c.

**LARKSPUR. (Annual.)**

(See illustration on next page.)

The following varieties are quite hardy; their fine spikes of bloom are exceedingly effective and graceful. The tall variety is suitable for shrubberies and borders; the dwarf kind for beds.

- 309—Tall Emperor, tall spikes of exquisite double flowers in unlimited quantity, 3 ft. high. All colors mixed. Pkt. 5c, 1/4 oz. 10c.
  - 310—Dwarf Rocket, fine double flowers, 1 foot high. All colors mixed. Pkt. 5c, 1/4 oz. 10c.
- For Perennial Larkspur see Delphinium.



Kochia. No. 465.

**LATHYRUS.**

(See Climbers, page 94.)

**LINARIA CYMBALARIA.**

(Kenilworth Ivy or Coisseum Ivy.)

- 470—A widely loved, hardy, perennial trailing plant, with small lavender and purple flowers. For baskets, vases and rockeries. A charming little vine..... Pkt. 5c.



**LINUM GRANDIFLORUM.**

**RUBRUM. (Scarlet Flax.)**

- 471—Elegant, free-flowering, hardy annual, with brilliant scarlet flowers. A splendid bedding plant, making a gorgeous display of bright colors; height 1 foot..... Pkt. 5c, 1/2 oz. 10c.



Linaria Cymbalaria. No. 470.

**LOBELIA.**

This popular and beautiful flowering plant is most desirable for pot culture, edgings, hanging baskets, etc., blooming profusely from June to November. The blossoms of all sorts are particularly bright in appearance.

**SPREADING VARIETY.**

- 472—Gracilis, light blue, light green foliage; blooms profusely; trailing; excellent for vases, hanging baskets and window boxes..... Pkt. 5c, 1/8 oz. 10c.

**COMPACT VARIETIES OF LOBELIA.**

Very dwarf and compact varieties, growing about 4 to 6 inches high, each plant forming a dense ball of flowers. These varieties always come true from seed.

- 473—Emperor William, of even and compact habit, each plant is literally covered with very pale blue flowers. Valuable as an edging for delicate colored bedding plants... Pkt. 5c, 1/8 oz. 20c.
- 474—Crystal Palace, dark blue, dark foliage; the finest dark blue Lobelia for bedding, profusely covered with rich blue flowers..... Pkt. 10c, 1/8 oz. 25c.
- 475—Mixed, compact varieties, all colors..... Pkt. 5c, 1/8 oz. 15c.

**LUPINUS. LUPINS.**

- 480—Annual Varieties. Ornamental, free flowering, easily grown, with long graceful spikes of rich and variously colored pea-shaped flowers; valuable for mixed flower borders and beds. 1 foot high. Dwarf mixed..... Pkt. 5c, 1/2 oz. 10c.

- 481—Perennial Lupins. Showy perennials growing stout and erect, and producing long racemes of pea-like flowers in great variety of colors. Of easiest culture. Height 2 to 3 feet. Mixed sorts..... Pkt. 5c, 1/2 oz. 15c.

**LYCHNIS.**

Handsome perennial plants of easy culture for massing in beds and borders; quite hardy, require no protection in winter.

- 476—Chaicedonica, Burning Star or Jerusalem Cross. Dense heads of fine scarlet flowers, each individual bloom forming a perfect cross of fiery red. They will bloom from seed the first summer. Height 2 feet..... Pkt. 5c, 1/4 oz. 15c.
- 477—Haageana. Large heads of showy flowers in shades of white, pink, yellow, red and crimson; plants 18 in. high, blooming from June to September..... Pkt. 10c.



Lobelia. No 473.



Lantana Hybrida. No. 466.

Will you please send my seed by mail as soon as possible, will be much obliged. The flowers raised from seed I bought of you last year were very nice, I must say. MRS. PAUL KOEPP, Hamel, Minn.

**MARIGOLD. (Tagetes.)**

No other annual imparts so much brightness to our gardens for such a long time, from early summer far into the frosts of autumn, as the Marigold. The tall African varieties, with their large, self-colored, yellow and orange flowers, are very showy when grown in large groups, while the dwarf French varieties, with their elegantly striped and spotted flowers, are unusually effective in beds, edgings or pots.



Marigold, Little Brownie. No. 703.

- TALL AFRICAN VARIETIES.**  
 701—Eldorado, 2½ feet high; large, perfectly double, quilled, golden yellow flowers. In bloom until cut down by frost..... Pkt. 5c, ¼ oz. 10c.  
 702—African, double mixed, 2 to 3 ft. high..... Pkt. 5c, ¼ oz. 10c.

**DWARF FRENCH VARIETIES.**

- 704—Dwarf French, double mixed..... Pkt. 5c, ½ oz. 15c.  
 703—Legion of Honor (Little Brownie), beautiful single flowers of clear yellow color, blotched with rich brown, 9 inches high..... Pkt. 5c, ¼ oz. 10c.

**MATHIOLA, or EVENING SCENTED STOCK.**

- 710—Also called "Perfume Plant." An old-fashioned, hardy annual which has no beauty to recommend it, the flowers being of a dull purplish-lilac, but which should be grown in every garden for the exquisite perfume exhaled profusely in the evening and after showers; 1 foot high..... Pkt. 5c, ½ oz. 15c.

**MATRICARIA, or FEVERFEW.**

Well known annual, free flowering plants which are very desirable for bedding purposes, blooming until late fall. Succeed easily in any garden soil. Fine for pot culture.

- 718—Eximia, Snowball. Dainty, milk-white, fully double, spherical flowers, which form a pretty contrast with Golden Ball. The flowers remain in perfect condition for a long period and are excellent for cutting; one foot high..... Pkt. 5c, ¼ oz. 15c.  
 719—Eximia, Golden Ball. Beautiful, dwarf plants of compact habit suitable for beds or borders, with striking, double, golden yellow flowers; height one foot..... Pkt. 10c.

**MIGNONETTE.**

**RESEDA.**

The best known and the most popular summer flowering plant; mignonette is the French word for "little darling," and no more appropriate a name could be found for this sweet, modest flower, without which no garden is complete. It is quite hardy and for early flowering should be sown in April in the open ground; a second sowing can be made about the first of August to obtain blooms during the fall months.

- 713—Odorata, the old-fashioned but very sweet-scented variety. Pkt. 5c, ½ oz. 10c.  
 714—Bismarck, largest and best, flowers very sweet, of red color, fine for cutting..... Pkt. 10c, ½ oz. 15c.  
 716—Goliath, compact plants with immense trusses of brilliant red flowers. Pkt. 10c.  
 717—Golden Machet, massive spikes, golden yellow..... Pkt. 5c, ¼ oz. 25c.



Monkey Flower. No. 721.

- 715—White Pearl Machet, the finest white variety with large heads of deliciously fragrant, white flowers..... Pkt. 5c, ½ oz. 25c.

**MIMOSA. Sensitive Plant.**

- 272—A curious and interesting plant; leaves close and drop when touched or shaken. Flowers pinkish white. Annual, 1 foot high..... Pkt. 5c, ¼ oz. 15c.

**MIRABILIS. (See Four O'Clocks, page 83).**

**For Moonflower and Tall Morning Glory, See Climbers.**

**MIMULUS.**

Magnificent, dwarf, half-hardy perennials, which flower profusely, thriving best in moist situations.

- 721—Tigrinus (Monkey Flower). Fine mixed, spotted and blotched..... Pkt. 5c.  
 720—Moschatus (Musk-plant), grown for its musky odor; fine for hanging baskets, etc.; small yellow flowers..... Pkt. 5c.

**MORNING GLORY, Dwarf.**

- 260—Dwarf Morning Glory, Convolvulus. This plant should be better known, as it is so very easily grown anywhere; is very free flowering and beautiful. Flowers are of rich colors. Fine for border, or in masses, producing an unusually brilliant effect. Blooms all summer. Hardy annual, 1 foot high. Mixed colors.... Pkt. 5c, oz. 15c.

**NEMOPHILA.**

- 800—An attractive, hardy annual with single, cup-shaped flowers of blue and white colors; 6 in. high. Mixed sorts..... Pkt. 5c, ½ oz. 15c.

**NICOTIANA.**

Handsome, half-hardy annuals of the tobacco family, about 3 feet high. Flowers salver-shaped, with long, tubular corollas.

- 801—Affinis. Sweet scented Tobacco Plant. Produces an abundance of large, pure white flowers of delicious fragrance. If taken up in the fall and cut back and potted, they will bloom all winter. Height 2 feet..... Pkt. 5c, ¼ oz. 15c.  
 802—Sanderæ mixed. Flowers white, carmine-rose or violet, a little smaller than Affinis..... Pkt. 5c, ½ oz. 20c.

**NIGELLA.**

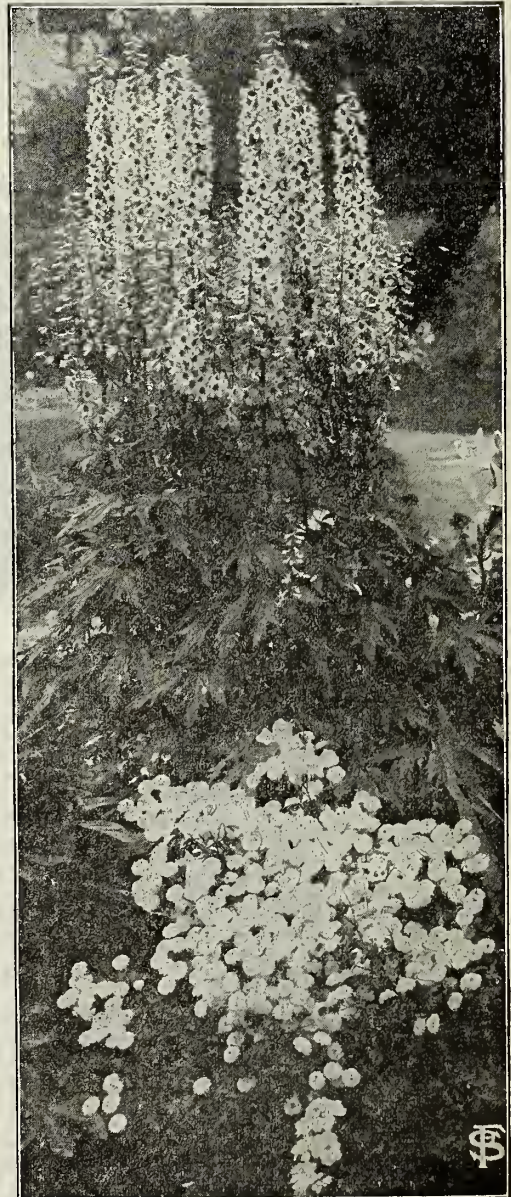
- 803—Miss Jekyll, a very attractive, hardy annual, giving an abundance of lovely looq-stemmed flowers of a clear cornflower-blue, prettily set in slender, elegant foliage..... Pkt. 5c, ½ oz. 20c.

**OENOTHERA, Evening Primrose.**

- 825—Charming, dwarf-growing plants with flowers of yellow, white and rose color; open at dusk, emitting a delightful perfume..... Pkt. 5c, ½ oz. 15c.

**OXALIS.**

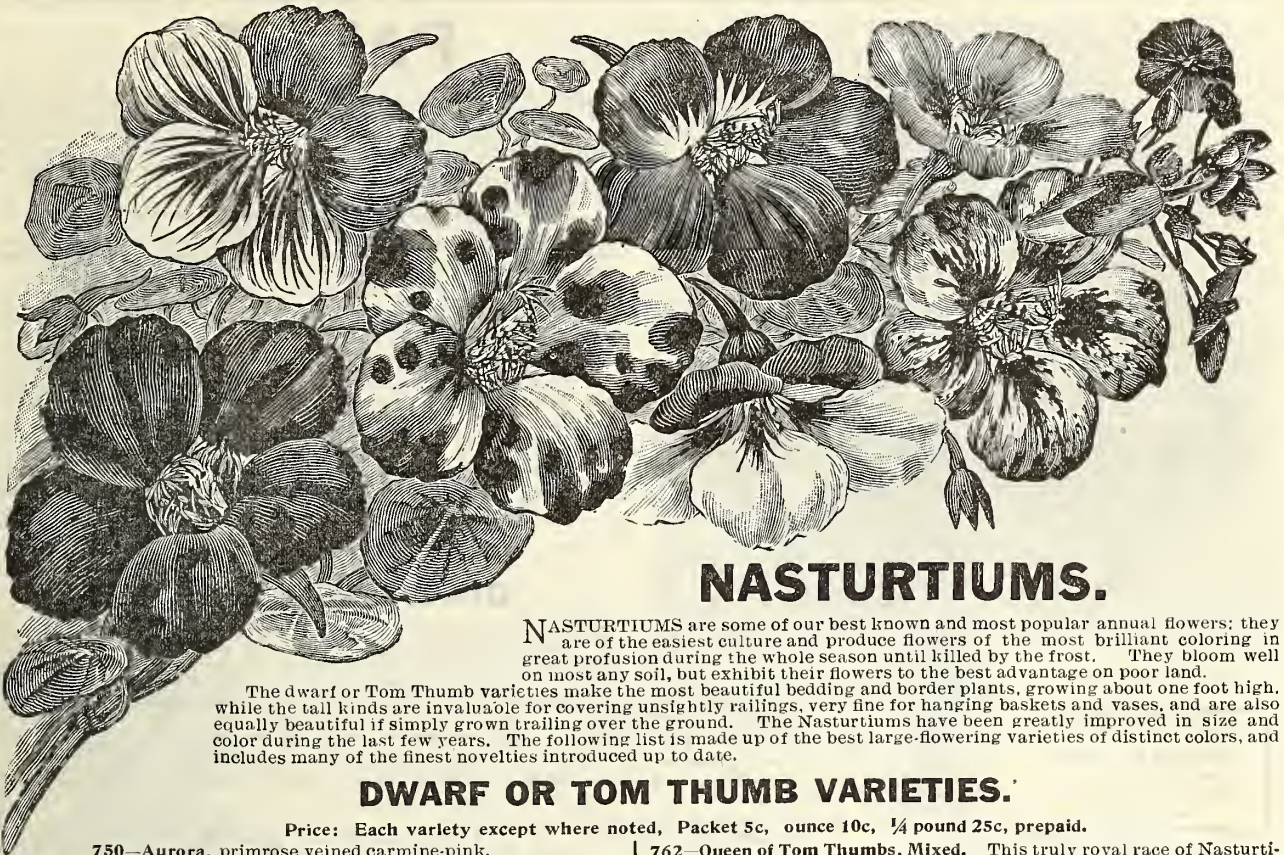
- 829—Small, free-flowering plants, with clover-like leaves, thickly starred with small, bright flowers from June until frost. Sown thinly in drills it makes a fine edging for flower beds. Mixed varieties..... Pkt. 5c.



Larkspur in background, Matricaria in foreground.







## NASTURTIIUMS.

NASTURTIIUMS are some of our best known and most popular annual flowers; they are of the easiest culture and produce flowers of the most brilliant coloring in great profusion during the whole season until killed by the frost. They bloom well on most any soil, but exhibit their flowers to the best advantage on poor land.

The dwarf or Tom Thumb varieties make the most beautiful bedding and border plants, growing about one foot high, while the tall kinds are invaluable for covering unsightly railings, very fine for hanging baskets and vases, and are also equally beautiful if simply grown trailing over the ground. The Nasturtiums have been greatly improved in size and color during the last few years. The following list is made up of the best large-flowering varieties of distinct colors, and includes many of the finest novelties introduced up to date.

### DWARF OR TOM THUMB VARIETIES.

Price: Each variety except where noted, Packet 5c, ounce 10c, ¼ pound 25c, prepaid.

- 750—Aurora, primrose veined carmine-pink.
- 751—Beauty, yellow and scarlet, green foliage. Very attractive.
- 752—CHAMELEON, flowers of the most diversified coloring and of many brilliant markings are found on a single plant, dark foliage, very fine.
- 753—Cloth of Gold, bright scarlet flowers and yellow foliage.
- 755—EMPRESS OF INDIA, brilliant dark scarlet flowers, with very dark foliage, very beautiful. Blooms continually.
- 756—Golden King, golden-yellow flowers, dark leaved.
- 758—King Theodore, black-red flowers, dark foliage; the finest dark sort.
- 759—Lady Bird, orange, spotted scarlet, dark leaved.
- 760—Pearl or Moonlight, creamy-white. Flowers large and showy.
- 766—Vesuvius, beautiful salmon-rose flowers, dark foliage.
- 765—New Spencer, Mixed. A new type from Holland. The foliage of this new race is beautifully waved and curled, like a Spencer Sweet Pea, differing in this respect from any other kind. The plants form very compact, round bushes, and the rich colored flowers are produced in great profusion on long stems. The wavy leaves are of dark emerald-green color. Pkt. 10c, oz. 25c.

- 762—Queen of Tom Thumbs, Mixed. This truly royal race of Nasturtiums produces small, compact plants with foliage prettily variegated, blotched and striped with yellow, white and green, which renders the plants very ornamental, even when not in bloom. The flowers are not very large, but appear in quite an extended range of colors and are shown to the greatest advantage against the background of the handsome leaves. They make lovely pot plants and are very desirable for bedding. Pkt. 5c, oz. 15c, ¼ lb. 50c.
- 768—DWARF IVY LEAF or BUTTERFLY. Pretty, compact plants with bluish-green ivy foliage and medium sized, but very attractive flowers, which are fringed and peculiarly cut, giving them a butterfly appearance. This mixture consists of many beautiful, bright colors. Pkt. 10c, oz. 25c.
- 769—Finest Dwarf Mixed, a magnificent mixture of all the best named varieties, put up by ourselves; will make a marvelous display of colors and bloom profusely thru the entire season until cut down by the frost. Pkt. 5c, oz. 10c, ¼ lb. 25c.
- 797—OUR COLLECTION of six distinct large flowering varieties. One packet each 20c, 1 ounce each 50c.

### TALL OR CLIMBING VARIETIES.

Price: Each variety except where noted, Packet 5c, ounce 10c, ¼ pound 25c, prepaid.

- 773—CHAMELEON, flowers of almost every shade of color, and form of marking, known in Nasturtiums, are found on a single plant, and no matter what color a flower is when it opens, it is continually changing from day to day; very attractive.
- 781—Midnight, giant flowering, dark green foliage and deep crimson maroon flowers of soft, velvety texture.
- 772—Atropurpureum, rich, velvety dark crimson, a fine, showy variety.
- 775—Sunlight, giant flowering, pure, rich deep orange, a splendid light colored sort.
- 777—Golden Cloth, scarlet flowers, yellow foliage. Excellent bedding variety.
- 778—Heinemani, chocolate color, large flowers of very odd and striking color.
- 780—Jupiter, giant flowering, brilliant golden-yellow. Of strong, rampant growth.
- 785—Regelianum, violet-crimson, one of the best rich crimson colored sorts.
- 789—Salmon Queen, giant flowering, dark green foliage, grand flowers of salmon color.
- 790—New Fringed, Mixed. The flowers of this new type are deeply lacinated or fringed and of intensely brilliant colors. The plants do not grow too rank, about 6 feet tall, have neat clean foliage and bloom in truly wonderful profusion. Pkt. 10c, oz. 25c.
- 791—Queen of the Lobbs, mixed. The foliage is the same as of the dwarf type Queen of Tom Thumbs, strikingly variegated, and the flowers are charming and of many bright colors and shades. Pkt. 5c, oz. 15c, ¼ lb. 50c.
- 792—Madame Gunther's Hybrids. For richness and variety of colors these hybrids have no equal among Nasturtiums, the foliage is dark and contrasts very effectively with the rich colors of the flowers, which are mostly red shades striped and blotched on yellow and orange ground. Pkt. 5c, oz. 10c, ¼ lb. 25c.
- 793—TALL IVY LEAVED or BUTTERFLY. Neat climbers, growing from 6 to 8 feet high. The rich, verdant green foliage is similar in shape to the English Ivy, and forms a fine background to the bright colored flowers. Pkt. 10c, oz. 25c.
- 794—Finest Tall varieties, mixed. The finest mixture offered anywhere; every color was grown separately and we blended the mixture ourselves; it will be found to contain all the kinds named here and many other good sorts including the Canary Bird Creeper. Pkt. 5c, oz. 10c, ¼ lb. 25c.
- 798—OUR COLLECTION of six Giant varieties, distinct colors. One packet each 20c, one ounce each 50c.



Empress of India. No. 755.

# PANSIES.

PANSIES are too well known to require any description, as they are favorites with all. For spring flowering the seed should be sown in autumn and protected during the winter. For summer blooming sow seed in the spring, if possible, in a cool spot where they will be afforded some shade from the noonday sun. Pansies do best in fresh soil, enriched with thoroly decomposed manure.

## Imperial German Pansies.

Admirably suited for beds and borders, where masses of distinct colors are required. The flowers are not of the largest type, but the plants are robust in habit and remarkably free flowering.

- 518—Black..... 1/8 oz. 25c..... Packet 5c
- 519—Dark Blue..... 1/8 oz. 25c..... Packet 5c
- 520—Light Blue..... 1/8 oz. 25c..... Packet 5c
- 521—Brown..... 1/8 oz. 25c..... Packet 5c
- 522—Yellow..... 1/8 oz. 25c..... Packet 5c
- 523—White..... 1/8 oz. 25c..... Packet 5c
- 524—Red..... 1/8 oz. 25c..... Packet 5c
- 525—Purple..... 1/8 oz. 25c..... Packet 5c
- 526—Striped..... 1/8 oz. 25c..... Packet 5c
- 517—Imperial German Mixture. Contains all existing colors in the right proportion and will make a brilliant display..... 1/4 oz. 30c..... Packet 5c.

## TUFTED PANSIES. See Viola.

## GIANT PRIZE PANSIES.

THE flowers of our Giant Prize Pansies are unsurpassable in beauty and variety of coloring, and are all of the largest size, measuring from three and one-half to four inches in diameter. Our collection em-

braces the latest and finest novelties offered by the best pansy growers of Europe and America.

- 499—Giant Bridesmaid. Clear white with a hue of delicate rose and well defined, large violet eyes in the three lower petals.
- 500—Giant Snowflake. Pure satiny white, without any blotches, and with frilled edges.
- 501—Giant Hydrangea. Of a distinct rose color. Very large and beautiful.
- 502—Giant Emperor Francis Joseph. White flowers with large, deep violet spots on each of the lower petals.
- 503—Giant Rosy Morn. Purplish crimson with clear white edge.



Giant Prize Pansy.

**FOR BOOKS ON FLORICULTURE and Horticulture see our large list on page 45.**

- 504—Giant Lavender Queen. Of the lightest blue color known in pansies, with large, deep blue blotches on the three lower petals.
- 505—Giant Emperor William. Of dark blue color with purple eyes.
- 506—Giant Mauve Queen. Of delicate mauve color with a large blotch of red on each of the three lower petals.
- 507—Giant Canary Bird, or President McKinley. The ground color is bright golden yellow, each petal being marked with a large dark blotch.
- 508—Giant Prince Bismark. Of a yellowish bronze with large dark brown eyes.
- 509—Giant Volcano. Beautiful dark red color, each petal is marked with a large black spot.
- 510—Giant Mercury. The largest pansy, of rare beauty, deep blackish purple in color, without any blotches or spots.
- 511—Giant Siegfried, or Fire Dragon. Each petal has a large brown spot, which is surrounded by a bright red color, the edge is bright yellow.
- 529—Orchid Flowered Mixed. The ground color of nearly all the flowers is light, the petals being marked with a large brown or golden yellow blotch which diffuses into rays and veins toward the edge. The upper petals are upright and plaited, resembling orchids

Packets of the above named varieties: 10 cents each, 3 for 25 cents.  
One packet each of above 14 varieties for \$1.00.

*The Pansies I raised from your seeds are the finest I ever saw, for size of flower and brilliancy of color they cannot be surpassed. I have a large bed of them in front of my house which is the admiration of all who visit us and pass our place.*  
MRS. E. S. BOARDMAN, MINNEAPOLIS, MINN.



Giant Masterpiece, or Ruffled Pansy. No. 514.

## GIANT PANSIES IN MIXTURES.

- 513—Giant Prize Pansy Mixture. Our mixture contains all the above and many other beautiful Giant varieties; finest strain of pansies in cultivation, saved only from the largest and best-shaped flowers of the richest colors..... 1/8 oz. 75c, packet 10c, 3 for 25c.
- 514—Giant Masterpiece, or Ruffled Pansies. A remarkable type, each petal being conspicuously curled or waved, giving the flower a double or globular appearance. The range of color is very extensive, the rich, dark velvety shades predominating.... 1/8 oz. 75c, pkt. 10c.
- 527—Giant Mme. Perret. A new and beautiful strain, originated by a French specialist; flowers of largest size, borne very freely in great diversity of colors; especially rich in red and wine shades. The stock we offer comes direct from introducer... 1/8 oz. 75c, pkt. 10c.
- 512—New Mastadon. The new giant flowered American pansies. Beautiful, rich colored flowers of truly mammoth size. Very free flowering and hardy. Finest mixture..... 1/8 oz. \$1.25, pkt. 20c.
- 515—Giant Cassier's. Three and five-blotched, large flowering, very showy, rich and varied colors..... 1/8 oz. 50c, pkt. 10c.
- 516—F. S. & N. Co's Delicate Shades Mixture, of Giant varieties, which includes only pretty tints and combinations of cream, light yellow and pale mauve..... 1/8 oz. 75c, pkt. 10c.
- 528—Mammoth Butterfly. The flowers are very large, of good form and substance and produce freely. In coloring they are varied, seldom two alike in a hundred plants. They are mottled and spotted, streaked, tigered and splashed..... 1/8 oz. 75c, pkt. 10c.



# PETUNIAS.

WE have no better plants than Petunias for out-door decoration for beds, borders and window boxes, nor for house culture. They are easily cultivated; when once fairly started, the Petunias will grow like weeds, minding neither heat, drought nor rain. They produce their handsome, sweet-scented flowers in delicate and gorgeous colors from early spring until frost. Seed may be sown directly in the garden in a sunny place, as soon as the weather is settled and warm or the plants may be started indoors for early results.

## CONCORDIA, Double Petunias.

The only self-seeding, large-flowering, double Petunia, which produces 70% to 80% of the finest double flowers.

The Concordia Petunias, originated recently by the famous Petunia specialist, Fredrick Roemer, in Germany, will create quite a revolution in growing double petunias. Up to now the large-flowering double petunias produced no seed and in order to procure double flowers, it was necessary to artificially fertilize single flowers with the pollen of doubles; naturally, however, the seedlings grown from such seed were mostly singles and no more than about 25% of doubles were ever expected. Unlike the other double petunias, the Concordia varieties develop their seed-pods and produce their own seed of which from 70% to 80% come true doubles and the flowers are of the very best type.

- 908—Concordia, double, fringed, large-flowering; all colors mixed..... Pkt 30c.
- 909—Concordia, double mixed, large-flowering; all colors..... Pkt. 35c.

## Single Bedding Petunias. Small Flowering.

- 852—Dwarf Inimitable. (Little Gem). Bushy, compact plants, about 12 inches high, covered with masses of beautifully striped and blotched flowers..... Pkt. 5c, 1/8 oz. 15c.
- 853—Howard's Star. A beautiful, dwarf, free-flowering strain; color, crimson-maroon with clearly defined five pointed star of blush-white. Fine for bedding, mass plantings, baskets, vases, window boxes, etc..... Pkt. 10c, 1/8 oz. 25c.
- 855—Countess of Ellesmere. Deep rose with white throat..... Pkt. 5c, 1/4 oz. 20c.
- 858—General Dodds. New; beautiful flowers of deep blood red color..... Pkt. 10c.
- 859—Norma. Flowers of a lovely shade of blue, with white star..... Pkt. 10c.
- 854—Snowball. Fine compact sort, producing pure satiny-white flowers thruout entire season..... Pkt. 10c, 1/4 oz. 25c.
- 851—Fine Mixed. An excellent mixture of fine flowers in all colors..... Pkt. 5c, 1/4 oz. 20c.

## Single, Large Flowering Petunias.

- 856—Giants of California. Magnificent flowers, of a great variety of colors, with deep yellow throats and exquisitely marked and veined; of very large size, often measuring 4 to 5 inches across..... Pkt. 20c, 2 for 35c.
- 857—Ruffled Giants. Enormous flowers in brilliant colors, beautifully ruffled, fluted and fringed..... Pkt. 25c.

# ANNUAL PHLOX.

**Flame Flower.** The annual Phlox is a native of Texas, where it is called "Texas Pride," and we may well be proud of this distinctively American flower, as it surpasses almost everything else in dazzling brilliancy and at the same time is of the easiest culture. The Phloxes are of neat, compact growth and will thrive on any soil, if given a sunny location. Seed may be sown in the open ground as soon as danger of frost is past and a few weeks later the plants will be a sheet of bloom and will remain so until frost. Phloxes are fine for pot culture, also valuable as an under-growth for tall bare-stemmed plants, but show to best advantage when sown in masses or ribbon-beds of contrasting colors.

- 860—Phlox Drummond, mixed colors... Pkt. 5c, 1/4 oz. 15c, oz 50c

## Selected Large Flowering Varieties. (1 foot high).

The finest type of phlox, with the largest heads of blooms and the largest individual flowers.

- 861—Snow-white. 862—Shell Pink. 863—Bright Scarlet.
  - 864—Violet. 865—Golden Star, Yellow. 868—Striped.
- Packets 10c; any 3 for 25c; any 5 for 35c.
- 866—Mixed, large flowering varieties, all colors..... Pkt. 10c, 1/4 oz. 20c, oz. 65c.

## DWARF PHLOX. (Nana Compacta.)

A very valuable class for beds, edgings and pot culture; of striking colors, compact and dwarf habit, and extremely free flowering. 6 to 8 inches high.

- 873—Snowball, large, pure white flowers, excellent to plant with Fireball... Pkt. 10c, 1/8 oz. 30c.
- 872—Fireball, brilliant red; this and the Snowball are the two most effective Phloxes in existence..... Pkt. 10c, 1/8 oz. 30c.
- 871—Dwarf, choicest mixture..... Pkt. 10c, 3 for 25c; 1/8 oz. 20c, 1/2 oz. 70c.
- 870—Starred and Fringed. Dwarf plants; flowers are curiously pointed, fringed and toothed and are produced in colors of every conceivable shade, more than a hundred distinct tints, shades and combinations having been counted; scarcely two are found of the same shape and color..... Pkt. 5c, 1/8 oz. 15c.
- 867—Double-flowering, double and semi-double flowers in all colors; desirable for cut flowers as they last longer than the single sort.... Pkt. 5c, 1/8 oz. 20c.

## PERENNIAL PHLOX. (Phlox Decussata)

- 878—One of the finest perennials for beds and borders. Finest mixed... Pkt. 10c.

## PASSION FLOWER. (See Climbers, page 94).

## PLATYCODON. Chinese Bellflower.

One of the best hardy perennials, producing showy flowers during entire season. Plants form large clumps; are excellent for planting in permanent borders or among shrubbery; easily raised from seed. Flowers are large, bell-shaped, and in color blue and white. 1 1/2 to 2 feet high.

- 877—Mariesi, single, blue and white mixed, Pkt. 5c. 1/8 oz. 20c.

## POLYANTHA ROSE. Fairy or Baby Rose.

952—Blossoms from seed the first year. The plants bloom in 3 months after sowing, so if sown in February, in the house, they may be had in bloom in June, in the open ground, where they continue to flower thruout the season, giving about an equal proportion of single, semi-double and double flowers, borne in clusters. Seed needs soaking in warm water for 48 hours..... Pkt. 10c.



Platycodon. No. 877.



Petunia. No. 852.



Phlox. No. 866.



Baby Rose. No. 952.

# POPPIES.

PROBABLY no class of plants enjoys greater popularity and is more widely grown than the Poppies; their wonderful range of color of their delicate, gracefully borne flowers is well known to all lovers of flowers. The poppies are quite hardy and the seed should be sown as early in the spring as possible, where the plants are to remain.

### SINGLE ANNUAL VARIETIES.

- 884—**Giant Shirley, Silk or Ghost Poppy.** No flower is so exceedingly graceful and decorates our gardens with such brilliancy of color as this poppy. Our strain includes an almost endless variety of colors. Special mixture..... Packet 5c, 1/4 oz. 15c, 1/2 oz. 25c.
- 880—**Danebrog.** (Danish Flag). A very showy variety, producing large flowers of brilliant scarlet, with a silvery-white spot on each petal, forming a white cross..... Packet 5c, 1/2 oz. 25c.
- 881—**Glaucum or Tulip Poppy.** Large tulip-like flowers of dazzling scarlet; effective in beds or in masses; 1 foot high..... Pkt. 5c, 1/2 oz. 20c.
- 882—**Miss Sherwood.** Large flowers, the upper half of which is silky, chamois-rose, the lower portion satiny-white, a combination of rare beauty..... Packet 5c, 1/2 oz. 20c.
- 883—**Admiral.** Of surprising beauty. The flowers are large, round and of a glistening pure white color, with a broad band of brilliant scarlet around the top..... Packet 5c, 1/4 oz. 15c.
- 888—**The Bride.** Very large, pure white, feathery flowers; very beautiful..... Packet 5c, 1/4 oz. 20c.

### DOUBLE ANNUAL VARIETIES.

- 889—**Cardinal.** Very large, double flowers, beautifully fringed, of vivid scarlet color; height two feet..... Packet 5c, 1/2 oz. 15c.
- 890—**White Swan.** Immense, double, pure white flowers, deeply fringed. An excellent companion to Cardinal..... Packet 5c, 1/2 oz. 10c.
- 891—**Carnation-flowered, Double mixed.** Very large, double, slightly fringed flowers in brilliant colors..... Packet 5c, 1/2 oz. 10c.
- 886—**American Fig.** A beautiful variety, with large, double flowers, of a snow-white color, bordered with scarlet..... Packet 5c, 1/2 oz. 15c.
- 887—**Paeony-flowered, Mixed Colors.** Imposing, double, globular flowers, resembling double paeonies..... Packet 5c, 1/2 oz. 10c.
- 885—**Mikado.** (Striped Japanese Poppy) A very distinct and effective double poppy, with deeply lacinated petals, which are white at the base, shading off to pink and rose above..... Packet 5c, 1/2 oz. 15c.

### MIXED POPPIES.

- 906—**F. S. & N. Co's Mixture of Single Annual Poppies.** Containing all the best known varieties of beautiful, bright colors..... Packet 5c, 1/2 oz. 15c, oz. 25c.
- 907—**F. S. & N. Co's Mixture of Double Annual Poppies.** Containing all the above named double varieties and many other fine sorts.... Pkt. 5c, 1/2 oz. 15c, oz. 25c.

### PERENNIAL POPPIES.

- 892—**Iceland Poppy.** (Nudicaule) Plants are of graceful, neat habit, with fern-like foliage, producing their brilliant, fragrant flowers in profusion. Mixed colors..... Pkt. 5c, 1/4 oz. 25c.
- 893—**Oriental Poppy.** Gorgeous, showy flowers, measuring 6 to 7 in. across, of dazzling, brilliant colors, mostly shades of red. Mixed colors..... Packet 10c.
- 902—**Hardy Perennial Poppies, Mixed** Many varieties in all colors. Pkt. 10c, 1/8 oz. 25c.

### PORTULACA. Rose Moss.

A charming little annual; 6 in. high; sown when weather is warm in spring, it will soon carpet the ground with a mat of succulent foliage, which will bring forth a profusion of the gayest flowers all season. Well known favorite which grows easily in any soil and situation

- 894—**Single, Large Flowering.** Special mixture..... Pkt. 5c, 1/4 oz. 15c.

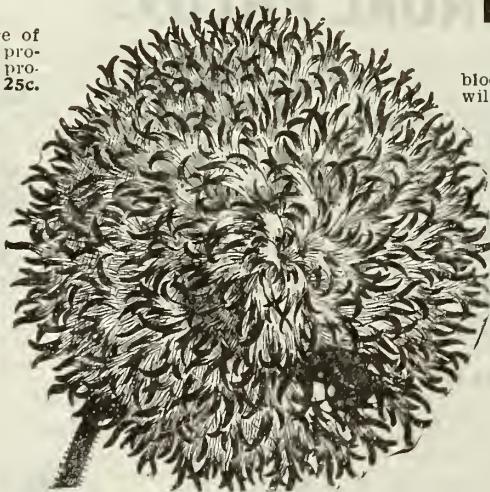
#### Single Separate Colors.

- 915—White. 916—Yellow.
  - 917—Pink. 918—Scarlet.
- Each 5c per packet, 1/4 oz. 20c.

- 895—**Double.** Flowers of the double varieties are very full and resemble tiny roses; increase in size towards close of season. Finest mixed..... Packet 10c, 1/8 oz. 50c.



Double Poppies. No 907.



Mikado Poppy. No. 885.

### PRIMULA. Primrose.

#### Hardy Perennial Garden Sorts.

These are among the best of early spring blooming plants; with slight protection they will stand the winter.

- 897—**Auricula** Old-fashioned Garden Primula. Very free flowering and fragrant. Blooms in early spring. Height 6 inches. Mixed colors..... Pkt. 10c.
- 896—**Blue Primrose.** (Acaulis Coerulea) A beautiful blue-flowered type of the old English yellow primrose, equally as hardy; suitable for naturalizing in shady places among shrubs, etc. Pkt. 15c.
- 898—**Cortusoides.** A charming variety, blooming about Easter; pretty rose colored flowers with white eye. Pkt. 10c.
- 899—**Vulgaris.** (English Primrose) These old-fashioned plants are very welcome in early spring, when they bear in profusion, fragrant yellow blossoms..... Packet 10c
- 900—**Veris, Cowslip.** The flowers are fragrant; beautiful, hardy perennials, blooming in early spring; mixture contains many beautiful colors, including yellow, crimson and brown..... Pkt. 10c.

- 904—**Japonica.** (Japanese Primrose.) The plants are perfectly hardy and are admirable for rock gardens, as well as for naturalizing by the side of water, where they thrive particularly well and give the prettiest effect; 18 inches high. Mixed colors, varying from white to crimson and maroon..... Packet 10c.

### PRIMULA.

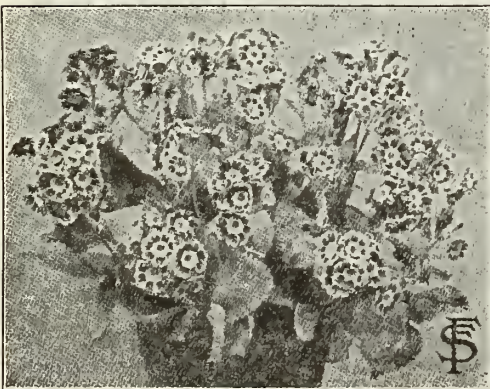
#### Tender House and Conservatory Varieties.

These primroses are some of our finest and most important winter blooming pot plants. The culture of these lovely flowers is much easier than most people think, and everyone could grow a nice collection of them with little care. Seed should be sown in March, April or May, in light soil, but for final potting a richer soil is necessary, consisting of two parts loam to one each of well decayed manure and leaf mould. The plants require to be well ventilated, and well watered.

- 901—**Chinese, Single and double.** Large flowering, fringed, finest mixed..... Packet 20c.
- 905—**Obconica.** One of the finest Primulas; large flowering, mixed..... Packet 10c.
- 903—**Forbesi; Baby Primrose.** Rosy-lilac. Pkt. 10c.



Double Portulaca. No. 895.



Primula Auricula. No. 897.



Salvia, Silverspot. No. 1004.

**SCABIOSA. MOURNING BRIDE.**

Each plant bears a profusion of beautiful flowers in exquisite shades, on long, wiry stems; when cut the flowers will keep in good condition for a long time; 2½ feet high, blooms from early summer until frost. They make effective borders or beds. No garden is complete without Scabiosas, especially where flowers are wanted for cutting.

- 1012—Improved Double, Large-flowering. Mixed, all colors. .... Packet 5c, ¼ oz. 15c.
- 1013—Caucasica. A highly decorative, hardy perennial variety with beautiful, large, soft heliotrope colored flowers; valuable for cutting; 3 feet high.....Packet 10c.

**SCHIZANTHUS OR BUTTERFLY FLOWER.**

"The Poor Man's Orchid." Of easy culture, and its form and wonderful coloring resembling some species of orchids. The butterfly-like flowers are of the most brilliant and striking colors.

- 1015—Large-flowering Varieties. Mixed colors..... Packet 5c, ¼ oz. 15c.
- 1016—Wisetonensis. A splendid pot plant for the house and conservatory; a plant in full bloom is a most exquisite picture.....Packet 25c.

**SHASTA DAISY.**

304—The finest of all the so-called Moonpenny daisies. It is one of Luther Burbank's hybrids, a perfectly hardy perennial, bearing flowers, averaging 4 inches in diameter, on long, stiff stems. It blooms freely for several months, and the flowers remain fresh for two weeks or more after cutting.....Packet 10c.

**SOLANUM CAPSICASTRUM.**

1019—Jerusalem Cherry. This is a very ornamental pot plant for winter decoration; of dwarf and branching habit, with small leaves, bearing profusely bright scarlet berries of the size of a cherry... Pkt. 5c.

**STOCKS. (Gilliflower. — Levkojen.)**

The Stock is one of the most popular annuals, either for bedding or pot culture; in brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed. The flowers appear on long, stiff stalks like small rosettes. The seed we offer was grown for us by a leading specialist.

**DWARF, GERMAN, LARGE-FLOWERING, DOUBLE 10-WEEKS.**

The leading class for bedding out or summer blooming; the plants attain a height of 1½ feet, have very long spikes and the individual flowers are enormous in size and very double.

- 1024—White. 1022—Crimson. 1025—Canary-Yellow. 1026—Dark Blue. 1027—Light Blue. Packets at 5c, any 6 for 25c.
- 1028—German Mixed. Finest large double flowering sorts..... Packet 5c, ½ oz. 35c, ¼ oz. 60c.
- 1029—Princess Alice. A very fine branching 10-weeks Stock; producing continuously large spikes of beautiful, snow-white flowers; splendid for cutting, best white variety for growing in pots..... Packet 10c.
- 1030—Giant Perpetual Flowering. For outdoor bedding and pot culture in the house. Very fragrant, double flowers. Mixed colors..... Packet 10c.
- 1031—Emperor. Late, large flowering; producing beautiful double, fragrant flowers; mixed.....Pkt. 10c.

**EVENING SCENTED STOCKS. (See Mathiola.)**

**STOKESIA. CYANEA.**

1032—(Cornflower Aster). A most beautiful hardy perennial, flowering from seed the first year, bearing 20 to 30 handsome, lavender-blue flowers of large size from July until frost; height about 2 feet..... Packet 10c.

**SUNFLOWERS. Cut and Come Again. (Cucumerifolius.)**

These Sunflowers are very popular not only for garden display but also for cut flowers. The plants grow 3 to 4 feet high, bearing a continuous succession of well formed single and double flowers, 3 to 4 inches in diameter.

- 1033—Double, mixed sorts..... Pkt. 5c, ¼ oz. 20c. 1040—Single, mixed colors..... Pkt. 5c, ½ oz. 15c.
- 1034—California, Double. Plants about 5 feet high, bearing large, very double, dark yellow flowers. Pkt. 5c, oz. 10c.

**RICINUS. CASTOR BEAN.**

Well known, annual, ornamental plants of stately growth and picturesque foliage, with brilliant colored fruit, producing a sub-tropical effect; fine for lawns, as screens, massing or center plants for large beds.

- 950—Zanzibariensis, mixed. A distinct class, surpassing all other varieties in size and beauty. Ten to twelve feet in height..... Packet 5c, oz. 15c.
- 951—Mixed. Many fine ornamental sorts..... Packet 5c, oz. 10c.

**SALPIGLOSSIS. VELVET FLOWER.**

A highly ornamental, half-hardy annual with lovely, large, funnel-shaped flowers of velvety texture and with deeply sunken veins, singularly penciled and shaded on the most beautiful and richest ground colors. Much prized for cutting; beds or borders of these showy plants, when in full bloom, are one of the most striking features in a garden. Easily grown from seed; blooms from early summer till late fall. About 2 feet high.

- 1000—Large-flowering, all colors mixed.....Packet 5c, ¼ oz. 20c.
- 1001—Emperor. This variety forms only one leading stem, and bears on its summit a veritable bouquet of beautiful flowers, each richly veined with gold. It is the only flower showing a glittering of gold in its coloring. All colors..... Packet 10c, ½ oz. 20c.

**SALVIA, OR FLOWERING SAGE.**

The Salvia is now a standard bedding plant, its long spikes of flowers, borne in great profusion, keeping the garden bright with color from July until frost. A half-hardy perennial, blooming the first year from seed, which should be sown in March or April in a hot-bed or indoors and the young plants set out in the garden as soon as the weather has become settled and warm.

- 1002—Splendens, Scarlet Sage. Beautiful, large, bright scarlet flowers.... Pkt. 5c, ½ oz. 20c.
- 1003—Bonfire. The finest of the scarlet Salvias, growing to a compact bush about 2 feet high and 2 feet in diameter. Its erect, flaming scarlet spikes stand clear above the dark green foliage, completely covering the plants.....Packet 10c, ½ oz. 45c.
- 1004—Silverspot. A charming variety of great effect, having large, intense bright scarlet flowers, and rich green leaves elegantly spotted with yellow; these neat and compact plants grow about 2½ feet high..... Packet 10c.
- 1005—Fireball. Very dwarf and compact plants, growing about 15 to 18 inches high, which are literally covered with long spikes of brilliant scarlet flowers. Very fine for beds and borders, requiring a more dwarf variety than the Bonfire.....Packet 15c.
- 1006—Patens, Blue Sage. A very handsome plant with erect spikes of brilliant blue flowers; valuable for bedding; 2½ feet high.....Packet 10c.

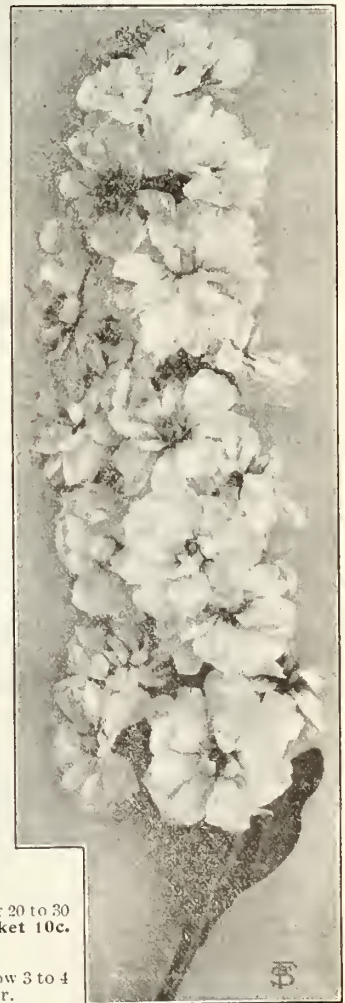


Shasta Daisy.

No. 304.

**SMILAX.**

(See Climbers, page 93.)



German Stocks.

# SWEET PEAS.

**CULTURAL NOTE**—Sow in good, rich ground as soon as it can be worked, except the white-seeded sorts, which should not be sown until the ground is comparatively warm and dry.

## UNRIVALLED MIXTURES.

- 601—New Spencer or Orchid Flowered, Mixed. Composed exclusively of Countess of Spencer and Gladys Unwin varieties, the large petaled, wavy types, which represent the highest achievement in Sweet Peas to date. This mixture contains all the orchid flowered varieties given on this page and also mixed seedlings of the same type. Extra special mixture ..... Packet 10c, oz. 20c, ¼ lb. 65c, lb. \$2.25.
- 600—F. S. & N. Co's Giant Flowered, Mixed. Only the finest, largest flowering varieties are used in this mixture and in such quantities as to produce the best color effect.....Packet 5c, oz. 10c, ¼ lb. 35c, lb. \$1.10.
- 602—Good Mixed. All colors.....oz. 8c, ¼ lb. 20c, lb. 70c.
- 603—Cupid or Tom Thumb, Mixed. Dwarf plants, 6 to 8 inches tall, spreading on the ground like a verbenia; the flowers are of good size. For edging, low beds and pot culture they are unique and pretty. All colors....Pkt. 10c, oz. 20c, ¼ lb. 75c.
- 605—Double Flowering, Mixed. These are getting more popular every year. The flowers are double and semidouble. All colors mixed.... Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00

## THE EARLIEST VARIETIES.

- 640—Earliest of All. (Christmas Pink.) Pink and white flowers, 10 days earlier than Extra Early Blanche Ferry; good for forcing and garden culture.....Pkt. 10c, oz. 15c, ¼ lb. 50c.
- 641—Mont Blanc. (Christmas White ) Strong plants with beautiful paper-white flowers; the earliest white variety; good for forcing and garden culture..... Pkt. 10c, oz. 15c, ¼ lb. 50c.

## NEW SPENCER OR ORCHID FLOWERING VARIETIES.

These are the new large petaled wavy types, with the most beautiful blossoms. The best in size, color, fragrance and abundance of bloom, representing the highest achievement in Sweet Peas.

Price for the New Spencer or Orchid-Flowered Sorts, except where noted:  
Packet 10c, 3 for 25c; oz. 25c; ¼ lb. 90c, prepaid.

- 652—Apple Blossom Spencer. Standard crimson-pink, wings white, tinged and shaded with pink; beautiful form, very large, wavy petals.
- 666—Arthur Green. Beautiful large flowers of dark claret or wine color.....Packet 15c.
- 667—Asta Ohn or Princess Alice. A soft lavender, suffused with pink; flowers large and beautifully waved.
- 653—Aurora Spencer. Large flowers of cream white ground-color, exquisitely mottled with orange-salmon.
- 654—Black Knight Spencer. Deep maroon with black veins; fine colored dark sweet pea. Pkt. 15c, oz. 35c.
- 635—Countess Spencer. True, soft rose-pink, which deepens at the outer edges.
- 656—Dainty Spencer. Pure white, edged with light pink on both standard and wings.
- 631—E. J. Castle. Of rich carmine-rose color with salmon shading in the standard.
- 655—Elfrida Pearson. Extra large flowers on strong stems, color a lovely distinct pink. Blooms in wonderful profusion, four blossoms on each stem.....Packet 15c, oz. 45c.
- 663—Mrs. Jos. Chamberlin Spencer. Rose, striped and flaked on white.
- 632—Phyllis Unwin. Light magenta rose and carmine.
- 634—Primrose Spencer. A pronounced primrose or creamy-yellow.
- 665—St. George Spencer. A brilliant, glowing orange pink, very showy.
- 659—Thomas Stevenson Spencer. Rich pinkish apricot on cream ground, extra large flowers, four to a stem, strong grower.
- 633—White Spencer. Gigantic, pure white flowers with wavy and crinkled standard and wings.
- 664—W. R. Beaver. Of rich chocolate brown, striped white, an odd color, which will be wanted in every collection.

## SELECT GIANT-FLOWERED VARIETIES.

We have discarded all those varieties which are merely duplicates and inferiors. All of the following varieties are, without exception, unsurpassed in freedom of bloom, size of flower and length of stem.

All Giant Flowered Sorts: Pkt. 5c each, any 4 for 15c, any 12 for 40c; oz. 10c each, any 3 oz. for 25c; ¼ lb. 30c; lb. \$1.00, prepaid.

- 616—America. Crimson scarlet, striped on white; large size, open form.
- 611—Apple Blossom. Standard crimson, wings white, tinged with pink.
- 613—Blanche Ferry. Standard bright carmine-rose, wings white tinged pink; medium size, open form.
- 622—Captain of the Blues. Standard purple, wings blue.
- 608—Dainty. Pure white, edged with light pink; very long stem.
- 604—Dorothy Eckford. White-seeded; flowers large, pure white.
- 626—Duke of Westminster. Large size, hooded; standard purple, wings purple and violet. A very fine dark variety.
- 624—Flora Norton. Clear sky blue; exceedingly pretty.
- 625—Helen Pierce. Pure white, veined, mottled and marbled with bright blue; the coloring is unique, like that of a blue mottled Gloxinia.
- 619—Henry Eckford. Clear orange yellow, a beautiful color.
- 607—Hon. Mrs. E. Kenyon. Light primrose, latest and best of its shade.
- 617—King Edward VII. The best crimson-scarlet, very large.
- 621—Lady Grisel Hamilton. Hooded form, very large flowers; the lightest shade of the lavender varieties.
- 610—Lovely. Deep pink, shading to light pink at the edges, large size.
- 643—Miss Willmott. Magnificent large flowers, rich, pure orange standard and orange-pink wings.
- 628—Othello. Large size, hooded, very dark maroon, showing veins of almost black; a self color.
- 615—Prince of Wales. Rose-crimson, self colored, the largest and finest.
- 618—Queen Alexandria. Bright geranium-red; large, semi-hooded.
- 647—Romolo Plazzani. Very large, hooded flowers of violet-blue color.
- 612—Royal Rose. Crimson-pink, wings pink, shading lighter at edges.
- 606—Shasta. White-seeded; very large open form, pure white; the petals are wavy on the edges.

## EVERLASTING OR HARDY SWEET PEAS. (Lathyrus.)

469—The plants bloom a long season, are hardy and will live for years, but the flowers have not the fragrance of the annual Sweet Peas. These come in shades of red and white only. An excellent plant for covering fences and trellises. Finest mixed.....Pkt. 5c, ½ oz. 15c, oz. 25c.

**NOTICE:**— To insure absolute success in growing Sweet Peas and bring the plants to their highest development, inoculate the seed with more as well as larger flowers and continue to bloom a longer time when seed is treated with Mulford Nitro Germ. We can supply this nitrogen-fixing bacteria for Sweet Peas, garden size, at 50c per bottle, postpaid.

## SWEET WILLIAM. Dianthus Barbatus.

Hardy perennial, widely grown for the showy heads of beautifully colored, sweet scented flowers. Height 1½ feet; blooms from June until frost. Can easily be raised from seed, will grow in any good garden soil, and the plants produce great masses of lovely, fragrant flowers.

- 1039—Single, Nigricans. Velvety blackish red, large flowering; the richest Sweet William known.....Packet 5c.
- 1040—Single, Pink Beauty. Large flower-heads of a most pleasing salmon-pink color; strikingly brilliant and beautiful.....Pkt. 5c.
- 1041—Single, Scarlet Beauty. Differing from the foregoing in the color of the flowers which is an intense scarlet, similar to the Grenadin Carnation. A bed of these produces a vivid effect..... Pkt. 10c.
- 1038—Single, Pure White. Large flowering, dwarf..... Pkt. 5c.
- 1042—Double, Pure White. Very beautiful.....Pkt. 10c, 3 for 25c.
- 1043—Double, Nigricans. Same color as No. 1039. The majority of the flowers will come true double.....Pkt. 10c, 3 for 25c.
- 1037—Double, Mixed. Giant flowering, dwarf..... Pkt. 5c, ¼ oz. 25c.
- 1036—Single, Mixed. Giant flowering, dwarf..... Pkt. 5c, ¼ oz. 20c.



New Spencer Sweet Peas.



**VERBENA.**

One of our best annuals. Very fine for beds, borders, vases and window boxes. Start seed in the house and plant out in the garden in May. The plants bloom from early summer to late fall without interruption. They are of creeping habit, with neat foliage.

**1113—New Giant Flowered, Mixed.** A new class of Verbenas which is of extraordinary beauty, and surpasses all other varieties in size, perfection of form and richness of colors.....**Packet 20c.**

**LARGE FLOWERING VERBENAS.**

- 1102—White.**                      **1104—Purple.**                      **1111—Scarlet.**
  - 1103—Rose.**                      **1115—Striped.**                      **1101—Large-flowering mixed.**
- Packet each 10c, any 3 for 25c.

**1100—Hybrida Mixed,** all colors of the old sorts...**Pkt. 5c, ¼ oz. 20c.**

**VARIOUS VERBENAS.**

**1105—Defiance.** Very free flowering, of intense, fiery scarlet color. Fine large flowers.....**Pkt. 10c, ¼ oz. 25c.**

**1106—Dwarf Verbenas.** Fine for edging, making an even carpet of blossoms and leaves. 6 in. high. Mixed.....**Pkt. 10c, ¼ oz. 25c.**

**1107—Lemon Verbena.** Pale green, delightfully scented foliage. garden and house culture.....**Packet 10c.**

**1108—Moss Verbena.** Moss-like foliage and purplish-blue blossoms. One of the finest and best bedding plants, blooming all season.....**Pkt. 5c, ¼ oz. 25c.**

**1109—Odorata. (Niveni)** Very hardy, very sweet scented and pure white. For garden and house culture.....**Packet 5c.**

**1110—Venosa.** Largely used for bedding. Bright purplish-belliotrope flowers; in bloom all summer until late fall.....**Packet 5c, ¼ oz. 20c.**

**VINCA ROSEA. PERIWINKLE.**

**1112—Ornamental, free-blooming, tender perennial plants;** one of the most satisfactory bedding plants, with glossy, green foliage and handsome red and white flowers. They flower from seed the first season, continuing until frost; and may be potted before frost and kept in bloom in the house thru the winter; a very fine cut flower; about 12 to 15 inches high. Mixed colors...**Pkt. 5c, ¼ oz. 20c.**

**VIOLAS OR TUFTED PANSIES.**

Hardy perennial plants, blooming more profusely and for a longer time than the regular type pansies. If sown in April the plants will flower in June, continuing a sheet of bloom until frost, and soon after the snow is off the ground the following spring they begin to flower again. Should be more generally planted.

**1047—Finest Mixture** of the best varieties. **Pkt. 5c, ¼ oz. 25c.**

**VIOLA ODORATA. The True Violet.**

**1035—Sweet Violet.** The true blue sweet violet. Favorite, hardy plants, highly prized for their fragrant flowers; 6 inches high. Seed germinates slowly.....**Packet 10c.**

**WILD CUCUMBERS. (See Climbers, page 94.)**



Vinca Rosea. No. 1112.

Verbena. No. 1100.

**WALLFLOWER. (GOLDLACK.)**

These deliciously fragrant flowers should be better known. By sowing the perennial varieties in the garden and transplanting them to pots in the autumn, good plants will be secured for winter flowering in the house; or they may be protected in a cold frame during the winter, and planted in the garden in May, and will then give plenty of early spring flowers. Wallflowers are easily grown from seed; they are perennial but not hardy in the northern states. About one foot high.

**PERENNIAL SORTS.**

- 1138—Double German.** Spikes of deliciously fragrant, very double flowers, combining many shades of color.....**Packet 10c.**
- 1137—Single.** Large-flowering, mixed colors.....**Packet 5c.**

**ANNUAL SORT.**

**1135—Early Parisian.** A single annual wallflower. This variety will flower thruout the summer and fall, from seed sown the same spring. Flowers are cinnamon colored and very fragrant. **Pkt. 5c, ¼ oz. 25c.**

**ZINNIA. Youth and Old Age.**

The double Zinnia is one of the easiest grown and most showy garden annuals. The plants come quickly from seed and are easily transplanted and make a fine display in a bed or border or among shrubs. Each flower lasts several weeks, and the plants bloom abundantly until destroyed by frost. Sow the seed early in spring, in the open ground. Later plantings may be made up to June first, these plants will start blooming in July.

**GIANT-SHOW ZINNIAS. Grandiflora Robusta Plenissima.**

Huge flowers measuring 5 to 6 inches across, semi-globular and very double. Grand and long lasting effects can be produced in beds and borders with this new race.

- 1158—White.**                      **1159—Golden Yellow.**                      **1160—Scarlet.**                      **1162—Striped.**
- Each, packet 15c, any 3 for 40c.

**1161—Mixed Colors**.....**Pkt. 10c, 3 for 25c, ¼ oz. 30c.**

**LARGE-FLOWERING, DWARF ZINNIAS.**

Bushy, compact plants about 2 feet high, bearing large, perfect double flowers in greatest profusion. They come into flower early in the summer and keep on blooming until hard frost.

- 1151—White.**                      **1152—Scarlet.**                      **1154—Pink.**
  - 1157—Mixed.**                      **1153—Golden Yellow.**
- Each, packet 5c, ¼ oz. 15c, oz. 40c.

**1156—Curled and Crested.** A curious and beautiful strain; petals twisted, curled and crested into graceful forms. Double mixed.....**Pkt. 5c, ¼ oz. 15c, oz. 50c.**

**1155—Zebra.** A very pretty strain with striped flowers. As the colors vary on each plant, they present a curious as well as beautiful appearance. **Pkt. 5c, ¼ oz. 25c.**

**1163—Liliput.** Handsome bushes loaded with small, very double flowers. Bloom all summer until late in fall. Mixed colors.....**Pkt. 5c, ¼ oz. 25c.**



Sweet William. Page 90.



Zinnia. No. 1157.

### EVERLASTINGS or IMMORTELLS.

This class of annuals are of easy culture, growing splendidly in any good garden soil, even in light, sandy ground, where most other plants would not thrive. They produce their straw-like flowers abundantly all summer and fall. Suitable for bouquets and decorations.

- 4—**Acroclineum.** Plant grows 15 inches high, bearing lovely white or rose-pink flowers. In bloom from July to October. Pretty in beds or pots. Mixed.....**Packet 5c, ¼ oz. 10c.**
- 6—**Ammobium, or Winged Everlasting.** New giant flowered. Large, handsome, double white flowers with yellow disk. The plants grow about 2½ feet high. Grows in sandy soil and blooms all summer.....**Packet 5c, ¼ oz. 10c.**
- 408—**Gomphrena, or Globe Amaranth.** Showy plants with brilliant colored, globe-shaped flowers. A first class bedding plant and fine for cut flower work. 1½ feet high; mixed. **Pkt. 5c, ¼ oz. 10c.**
- 450—**Helichrysum.** Mammoth flowered. Pretty and effective flowers for beds and borders. One of the showiest. Blooming season July to October. 2 feet high. Mixed colors. **Pkt. 5c, ¼ oz. 15c.**
- 383—**Rhodanthe.** Grows in any soil. Beautiful for the garden, or grown in pots in the house. Flowers are white, rosy or crimson and show a darker disk. 1 foot high. Mixed.....**Pkt. 5c, ¼ oz. 15c.**
- 399—**Xeranthemum.** Profuse blooming hardy annuals. Flowers very double and long stemmed. White and deep purple. Plants grow 12 to 18 inches high. Bloom from July until September in great abundance. Mixed.....**Pkt. 5c, ¼ oz. 15c.**
- 482—**Special mixed.** All the above sorts and many other varieties mixed.....**Pkt. 10c, ¼ oz. 20c.**

### ORNAMENTAL GRASSES.

The Ornamental Grasses are indispensable for the mixed flower beds and for the border, making these more attractive during the summer, while in the dried state they are valuable for winter bouquets. The following are the most popular varieties.

- 1170—**Briza Maxima.** (Quaking Grass.) In great demand for bouquets, furnishing splendid material to mix in with flowers for decorating. Annual.....**Packet 5c.**
- 1171—**Bromus Brizaeformis.** Very graceful plant, with drooping panicles. Perennial.....**Packet 5c.**
- 1172—**Coix Lachryma.** (Job's Tears.) Broad, corn-like leaves and hard, shining pearly seeds. Plants grow 3 feet high. Annual.....**Packet 5c, ½ oz. 15c.**
- 1173—**Eulalia Japonica.** A slender and graceful grass, beautifully striped. Fine for groups on the lawn or around the house. Perennial.....**Packet 5c.**

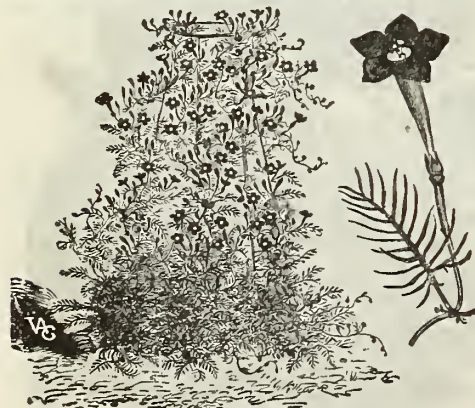


Helichrysum. No. 450.

- 1174—**Lagurus Ovatus.** (Hare's Tail Grass.) Produces small white heads. Excellent for bouquets. Annual.....**Packet 5c.**
- 1175—**Pennisetum Ruppelianum.** (Purple Fountain Grass.) Beautiful, large spikes of purple color. The foliage is long and slender, and a glossy deep green in color. 3 feet high. Perennial.....**Packet 10c.**
- 1176—**Stipa Pennata.** (Feather Grass.) Beautiful, delicate white, feathery heads. 2 feet high. A fine perennial variety.....**Packet 5c.**

### Selected CLIMBING PLANTS.

- 5—**Adlumia, Allegheny Vine or Mountain Fringe.** A graceful, hardy perennial climber. The feathery foliage closely resembles that of the Maiden Hair Fern. The flowers are tube-shaped, flesh-colored, and completely cover the plant. For covering trellises, stumps of trees, etc. Flowers the first year from seed. **Pkt. 10c.**
- 150—**Balloon Vine.** A rapid growing annual climber, succeeding best on light soil. Flowers white; seed pods look like small balloons.....**Pkt. 5c, oz. 15c.**
- 253—**Balsam Apple and Pear.** (See illustration on next page.) Very curious, rapid and dense growing annual climbers, with ornamental foliage and pretty fruit, which opens when ripe, showing seed and blood red inside. Splendid vine for trellises, rock work, stumps, etc. Grows 10 feet high. Balsam Apple and Pear mixed.....**Pkt. 5c, ½ oz. 15c, oz. 25c.**
- 209—**Canary Bird Vine.** Rapid growing, graceful vine, with clean handsome foliage, and an abundance of bright canary-yellow blossoms. It is also a good raumbier and fine for stumps, rockeries, etc. It makes an excellent window vine for winter. Grows well in shady places. Attains a height of 10 to 15 feet. Annual.....**Packet 5c, ½ oz. 15c, oz. 25c.**
- 14—**Cardinal Climber.** A beautiful, new and distinct annual climber of very rapid growth. Foliage elegant and rich. Flowers in clusters of 5 to 7, of intense fiery cardinal-red color. The blossoms measure 1½ to 2 inches across and their bright glowing red color forms a pleasing contrast to the deep green foliage. One must see this glorious plant in full bloom to appreciate its grandeur and great beauty. Does best in sunny situation. Grows 20 to 30 feet high.....**Packet 20c.**
- 254—**Cobæa Scandens.** (See illustration on next page.) Cups and Saucers Vine or Cathedral Bells. One of the handsomest and most rapid growing annual climbers, running up to 30 feet in a season. The flowers are bell-shaped and of a purplish lilac when full grown. It is a very prolific bloomer, one that makes a show the first year, both in vines and flowers; one that is always clean of insects. In planting place seeds edgewise and cover lightly.....**Pkt. 5c, ¼ oz. 20c.**
- 323—**Dolichos, Hyacinth Bean.** Very pretty, bean-like flowers in erect racemes, followed by ornamental seed pods. For covering arbors, trellises, e. c., it is a splendid vine. Grows 10 feet high. Annual. Mixed.....**Packet 5c, oz. 15c.**



Cypress Vine.



Ornamental Grasses.



Canary Bird Creeper. No. 209.

- 469—**Lathyrus.** (Everlasting Pea or Hardy Sweet Pea.) Hardy perennial climber with white, pink and crimson pea-shaped flower clusters. Grows 6 feet high, flowering from July to September. Fine for cut flowers. A splendid vine for covering fences, old stumps and trellises. Is deserving of more general planting.....**Packet 5c, ½ oz. 15c, oz. 25c.**

### CYPRESS VINE.

For trellises the Cypress Vine cannot be excelled. It has a profusion of pretty star-shaped blossoms and its fine-leaved, feathery foliage is well adapted to ornamental work. Will grow 10 to 12 feet high. Annual.

- 269—**Scarlet.** Flowers bright, glowing scarlet.....**Pkt. 5c, ½ oz. 15c, oz. 25c.**
- 270—**White.** Pretty blossoms of clear white color.....**Pkt. 5c, ½ oz. 15c, oz. 25c.**
- 268—**Mixed.** Nice mixture of all kinds, including white. **Pkt 5c, ½ oz. 15c, oz. 25c.**



**Selected CLIMBING PLANTS. Cont'd.**



- 461—**Humulus, Japanese Hop. Variegated Leaved.** Rapid, dense growing, annual climber, 12 to 20 feet high. The leaves are beautifully marbled and splashed with silvery white, light and dark green, very effective for screens, arbors, trellises, etc.; very resistant to drought and insects.....**Packet 5c, ½ oz. 15c.**
- 478—**Mexican Mina Vine.** One of the most beautiful annual climbers; a very profuse and early bloomer. The leaves resemble oak leaves, the flowers are borne in large clusters, they are of blood red color with yellow throat, of quick growth and great beauty. Sow early in spring. Grows 20 to 25 feet high.....**Packet 5c, ½ oz. 20c.**
- 483—**Moonflower, Mammoth White.** Will grow 30 to 40 feet in a single season and is covered with its hundreds of large, white flowers every evening and cloudy day. The hard outer coat of the seed should be cut thru with a file, and the seed soaked in warm water, then planted about one inch deep in moist soil in a box or pan and set in a warm place. Transplant outdoors in a sunny situation when danger from frost is past. Annual.....**Packet 10c, ½ oz. 25c.**
- Nasturtium, Tall or Climbing.** See page 86.
- 850—**Passion Flower.** Tender perennial climber for the summer garden, for window boxes and pot culture. Flowers exceedingly beautiful, white and blue; very large and wax-like. Will grow to a height of 15 to 20 feet.....**Packet 10c.**
- 858—**Scarlet Runner Bean.** Well known and popular runner vine. Flowers dazzling scarlet and very showy. Blooms a long time. The pods are long and very broad, and of excellent flavor. Can be used same as other beans.....**Large packet 5c, ½ pint 20c.**



**Balsam Apple. No. 253.** (Page 92)

**Cobæa Scandens. No. 254.** (Page 92)

- 1018—**Smilax.** Tender perennial vine for house culture. Makes a fine pot plant for winter. Lovely glossy green foliage which is greatly prized for bouquets and decorating.....**Packet 5c, ½ oz. 25c.**
- Sweet Peas.** See page 91.
- 1136—**Wild Cucumber.** The quickest growing annual climber. Will grow 30 feet in one season. Bears pretty, white, fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Will grow anywhere....**Pkt. 5c, oz. 10c.**

**Ornamental Gourds.**

Desirable, pretty climbers for many places where a large amount of vines are wanted quickly. The blossoms of some are quite striking and handsome. Their interesting features are the odd, unique and ornamental gourds, many of which make excellent toys for children.

Price for any variety, except Calabash: Packet 5c, oz. 20c, postpaid.

- 1180—**Apple-Shaped.** Fruit is beautifully striped.
- 1181—**Bottle.** Curious and handsome fruit.
- 1182—**Corsican.** Elegant fruit; a very rapid climber.
- 1183—**Dipper.** Very useful for many purposes; holds about a quart; has a long handle.
- 1184—**Dish Cloth or Sponge.** Large fruits, resembling a large flat sponge.
- 1185—**Gooseberry.** Small, dark green fruit, resembling a gooseberry; fine climber.
- 1186—**Hercules Club.** Fruits are green, 3 to 4 feet long.
- 1187—**Nest Egg.** Very ornamental and useful as nest eggs.
- 1188—**Orange.** The well-known mock orange. In size and shape like an orange.
- 1189—**Ornamental Pomegranate, or Queen's Sweet Pocket Melon.** Fruit deliciously perfumed and may be carried in the pocket or laid among linens. Makes a very pretty and desirable climbing vine.
- 1190—**Pear-Shaped.** Pretty pear-shaped fruits, striped yellow and green.
- 1191—**Powder Horn.** The form of a powder horn. Very odd.
- 1192—**Snake.** Also classified as a cucumber, and can be used as such, especially for slicing. The fruits grow several feet long and are twisted.
- 1193—**Sugar Trough.** They grow large enough so as to hold 4 to 10 quarts each; have thick, hard shells; are light but durable.
- 1194—**Turk's Turban.** Turban shaped fruit, beautifully striped with red.
- 1195—**Calabash or Pipe Gourd.** Odd shaped fruit which is used to an advantage in making pipes. A native of South Africa.....**Packet 10c, ½ oz. 20c.**



**Variegated Japanese Hop. No. 461.**

- 1196—**Ornamental Gourds, Mixed.** Many American and foreign varieties in superior mixture. **Packet 5c, ½ oz. 15c, oz. 25c.**

*Idaho Springs, Colorado.*  
I had some of the finest Sweet Peas this year from seeds purchased from you that I have ever had. I wish to get some more of this seed and enclose \$1.25.

GEO. K. KIMBALL.

**The Best Novelties  
In Flower Seeds.  
See page 6.**

**Morning Glories. Ipomea.**

Well known annual climbers of rapid growth, with beautiful, showy flowers in endless variety of colors. For covering walls, trellises, arbors or stumps of trees they are invaluable. They will succeed under almost any circumstances.

- 259—**Giant Japanese Morning Glories.** The handsomest of the morning glories, with robust vines, growing rapidly to a height of 15 to 20 feet, and with luxuriant foliage of which some is oddly marbled and blotched with white and yellow. The greatest charm, however, of these morning glories lies in the entrancing beauty and gigantic size of the flowers, which are produced in limitless markings, shadings and colors. Mixture of the finest Japanese sorts.....**Packet 10c, ½ oz. 20c.**
- 258—**Tall Morning Glories.** The old fashioned variety; indispensable for covering trellises, verandas, stumps, etc. Mixed colors, very fine.....**Packet 5c, oz. 10c, ¼ lb. 25c.**
- 486—**Brazilian Morning Glory.** A very quick growing vine, covering an enormous space in a very short time; the leaves are of large size, deeply lobed and the flowers, which are borne in large clusters, are of pleasing rose color.....**Packet 5c, ½ oz. 20c.**
- 485—**Double Flowered Morning Glory.** The flowers are double and semi-double and some are fringed, which give an appearance of a double flower. Mixed. **Pkt. 5c, ½ oz. 10c.**



**Japanese Morning Glory. No. 259.**



**Ornamental Gourds, Mixed. No. 1196.**

**SUMMER  
FLOWERING**

**BULBS**

**FOR SPRING  
PLANTING.**

The Bulbs which we offer are the most popular summer flowering varieties; they are inexpensive, and it requires no skill and but very little attention to grow them to perfection. Plant the bulbs in the garden in spring, after severe freezing is past, and they will soon be up and will flourish and bloom all summer. In autumn, the bulbs should be lifted and stored in a cellar, away from frost, for planting the following spring.



Mexican Fire Lily.

**FANCY-LEAVED CALADIUM.**

These Caladiums have grown rapidly into popular favor for the decoration of the conservatory, for window boxes and also for planting out doors, in shady situations, when the weather is warm. The handsome leaves are spotted, veined and variegated with white, yellow, pink and scarlet. Best sorts mixed, large size bulbs, each 25c, 3 for 70c.—Medium size, each 15c, 3 for 40c, prepaid.



Fancy-Leaved

Caladium.

**CALLA LILIES.**

**WHITE LILY OF THE NILE**—The large flowering, pure white Calla with rich dark green leaves. Used extensively for pot culture, also for garden. Each 10c, doz. \$1.00, prepaid.

**NEW PINK FLOWERED**—This magnificent new Calla bears large flowers of a rich, deep shade of pink that is perfectly exquisite. Strong grower, free bloomer. For garden and house culture. Each 35c.

**SPOTTED LEAVED**—The leaves of this beautiful variety are deep green with numerous white spots; the flowers are white with a black center. Fine for open ground and for pots. Each 10c, doz. \$1.00, p'p'd.

**GIANT YELLOW**—A grand new Calla of marvelous beauty; the flowers are very large, often measuring 4 to 5 inches across, and of a bright golden yellow color; the leaves are dark green, beautifully spotted with white. Large bulbs, each 35c, prepaid.

**CINNAMON VINE.**

A pretty vine with neat, glossy-green, heart-shaped leaves, which late in the season bears clusters of tiny, white flowers of a cinnamon-like odor. The roots are thoroly hardy, remaining in the ground for years, but the vine dies down every winter, shooting up with rapidity in spring and often running 25 to 40 feet. Large roots, each 5c, doz. 50c, prepaid.



Hyacinthus Candicans.

**HYACINTHUS CANDICANS.** (Summer Hyacinth.)

Perfectly hardy plants of vigorous growth which throw up flower-spikes 4 feet high, with pure white, bell-shaped and pendulous flowers. They are very useful along walls and fences, and if planted in groups will produce a grand effect; for cemetery decoration they are beautiful and appropriate. Each 5c, doz. 50c, prepaid.

**IPOMOEA PANDURATA.**

Rapid growing climbing plant, absolutely hardy, thriving in almost any soil and blooming abundantly. Flowers white with purple throat, foliage is luxuriant. One of the best climbers for the northern states. Each 25c, 3 for 65c.

**MEXICAN STAR FLOWER.** (Milla Biflora.)

The beautiful flowers are pure waxy white, two inches in diameter, star-shaped and usually in pairs on long slender stems. The blossoms frequently last two weeks when placed in water. Each 6c, dozen 60c, prepaid.

**APIOS TUBEROSA.**

A valuable hardy, tuberous rooted climber, bearing clusters of rich, deep purple flowers which have a strong, delicious violet fragrance. It grows to a height of 8 to 10 feet and blooms profusely. Plant bulbs close together to produce a mass of vines and flowers. Each 5c, doz. 45c, prepaid.

**AMARYLLIS.**

**MEXICAN FIRE LILY.** (*Formosissima*).—Few flowers equal this variety in richness and beauty of color. The flowers are produced before the leaves appear and are of an intensely brilliant, deep velvety crimson color. It is a free bloomer and succeeds well in pots, and also in open ground. Each 12c, 3 for 30c, prepaid.

**BELLADONNA LILY**—The flowers of this Amaryllis appear late in summer on flower stocks 2 feet high and form immense clusters of trumpet-shaped blooms of pink color and great fragrance. Each 25c, 3 for 65c.

**MONARCH OF THE EAST.** (*Arum Cornutum*)

The flower sheath sometimes reaches a length of nearly 2 feet, is of a reddish-brown color tipped with red and yellow. The bulb of this extraordinary plant needs only to be placed on a table or shelf, in a warm room, when, without showing either roots or leaves, the flower makes its appearance. After flowering the bulb should be planted in the open ground, when a large umbrella shaped leaf will be formed on a stalk spotted with a granite-like color. In autumn the previous year's display may be repeated. Each 20c.

**BEGONIAS.** (Tuberous-Rooted.)

The fashionable plant of the day which justly deserves its honor, as in addition to its handsome foliage it bears the whole summer enormous sized flowers of intense brilliancy in constant profusion.

Begonias make beautiful pot plants for window garden, and rival with Geraniums as bedding plants. They delight in a rich, well-drained soil, in a partially shaded position, and should be well watered.

**SINGLE BEGONIA**—Mixed colors; each 8c, doz. 80c, prepaid.

**DOUBLE BEGONIAS**—Mixed colors; each 10c, doz. \$1.00, prepaid.

**DOUBLE LAFAYETTE**—Brilliant fiery scarlet, very double flowers. Splendid Begonia for bedding, blooms all summer. Makes a fine pot plant. Each 25c, doz. \$2.50.

**GRAF ZEPPELIN**—Flowers extra double and full, rich glowing scarlet. Plant is of dwarf habit, 6 to 8 inches high. Very choice. Each 25c, doz. \$2.50, prepaid.

**CALADIUM ESCULENTUM.**

(ELEPHANT'S EAR.)

Most showy, ornamental plants, of tropical aspect, which are very effective as single plants on the lawn and also in groups; they produce enormous leaves, often attaining a length of three feet by twenty inches wide. 1st size bulbs, 6 to 11 inches in circumference, each 25c, per dozen \$2.75.—2nd size, 7 to 9 inches, each 15c, per doz. \$1.50, prepaid.



Calla,

Spotted Leaved.

Begonia, Double Lafayette.

# Cannas

They Present A Grand Display From July Until Frost.

# Cannas

Notice the Massive, Tropical Effect Obtained With These Plants.



**CANNAS** are indispensable for bedding purposes, especially on large lawns. They also make a grand show, planted in front of the house, in groups near the porch, and the dwarf kinds in porch-boxes, together with other plants. With their gorgeously colored scarlet, yellow and gold spikes, and brilliant tropical foliage, Cannas present a grand display from July until frost.

Price of dormant roots, except where noted: Each 15c, 12 for \$1.35, 25 for \$2.50, prepaid.

## ORCHID-FLOWERING CANNAS.

**KING HUMBERT**, King of all Cannas—The flowers which measure six inches in diameter, are produced in trusses of gigantic size and are of a brilliant orange-scarlet; the foliage is broad and massive and of a rich coppery-bronze; largest flowered of all Cannas. 4 to 4½ feet high. Each 25c, dozen \$2.50, prepaid.

**BURBANK**—The flowers are very large, rich golden-yellow, with scarlet dots, green foliage; 4½ to 5 feet high.

**ITALIA**—Bright red with broad golden yellow border; a very fine canna; green foliage; 4 to 4½ feet high.

**LA FRANCE**—New. Rich orange-red, shaded crimson and gold. Very fine, 4 feet. Each 20c, dozen \$2.00, prepaid.

**WYOMING**—Fine tall growing sort with purplish bronze foliage and large flowers of a beautiful rich shade of orange. 7 feet high. Each 20c, dozen \$2.00, prepaid.

## BRONZE-LEAVED VARIETIES.

**BLACK BEAUTY**—Used for foliage effect, for center of beds or for background. Has shining, purplish-black, large leaves. 5 feet high. Each 20c, dozen \$2.00, prepaid.

**DAVID HARUM**—Dark bronze foliage, flowers vermilion-scarlet. 3½ feet high.

**KING HUMBERT**—See Orchid Cannas.

**METALLICA**—Immense foliage. Used for center of beds or for background, 7 feet high.

**SHENANDOAH**—Flowers a fine, rich pink color. 5 feet high.

**WYOMING**—See Orchid Cannas.

## LARGE-FLOWERING CANNAS.

All have green foliage.

**A. BOUVIER**—Brilliant dark crimson; 5 to 5½ feet high.

**BUTTERCUP**—Beautiful clear golden yellow, large flowers. 3½ feet high.

**CHARLES HENDERSON**—Bright crimson. Fine bedder. 4 feet high. Each 10c, dozen \$1.00, prepaid.

**CORONET**—Beautiful golden yellow. 4½ feet high.

**CRIMSON BEDDER**—Intense glowing scarlet. 3 feet high.

**EXPRESS**—Large heads of scarlet-crimson. Fine dwarf canna. 2½ feet high.

**GLADIATOR**—Enormous flower trusses. Bright yellow, thickly spotted crimson. 4 feet high.

**GLADIOFLORA**—New. Scarlet changing to rose, with golden border, petals are rounded. Resembles a giant Gladiolus. 3½ to 4 feet high. Each 20c, dozen \$2.00, prepaid.

**MOONLIGHT**—Lovely flowers of creamy-white. 3½ feet high.

**OSCODA**—Bright red with a rich yellow border. Fine dwarf canna. 2½ feet high.

**VENUS**—New. Beautiful flowers of rosy-pink, with creamy yellow border. 3½ feet high. Each 20c, dozen \$2.00, prepaid.

**WEST GROVE**—Immense flower heads of beautiful seashell-pink color. 5 feet high.

**MIXED LARGE FLOWERING VARIETIES**—Per dozen \$1.00, 25 for \$1.85, prepaid.

## GLOXINIA, GIANT FLOWERING.

Beautiful plants of dwarf habit, most useful for pot plants. Flowers are trumpet shaped and of exceedingly rich coloring and marking, ranging from deep scarlet to violet blue. One plant will produce 10 to 20 of these beautiful blossoms in succession. One of the showiest of all house plants and greatly admired by everybody. Of easy culture, preferring light soil. Finest mixed, each 15c, 3 for 40c, prepaid.

## MADEIRA VINE.

A very beautiful and popular vine, which succeeds everywhere and is of rapid growth, covering a large space in a short time. The leaves are fleshy, heart-shaped, of a light green color; late in the season numerous racemes of feathery, white flowers appear, which are of delicious fragrance. Each 5c, 6 for 25c, prepaid.

## MONTBRETIAS.

The Montbretias are some of the brightest and most graceful of our summer flowering bulbs and at the same time some of the easiest to grow. From July to October the flame-like spikes follow each other uninterruptedly, giving a bed the appearance of a mass of fire. The flowers are very fine for cutting. All colors mixed, dozen 30c, 100 for \$2.00, prepaid.

## TIGRIDIA—SHELL FLOWER.

Curious and beautiful shell-like flowers about 4 inches in diameter, flowering from July to October. The bulbs can be planted about the middle of May and taken up in October and kept over winter in dry sand. Mixed varieties, each 6c, dozen 60c, prepaid.

## TUBEROSES.

One of the best known and most beautiful summer bulbs. Easily recognized by its exquisite fragrance and its creamy-white, waxen blooms, borne on long, massive spikes. Plant in the open ground as soon as the weather is settled and warm, giving the plants rich soil in full sun. Excelsior Double Pearl—Dwarf plants with extremely double, large flowers. Large bulbs, each 5c, dozen 45c, prepaid.—100 for \$2.00, not prepaid.



Tigridia—Shell Flower.

# BEAUTIFUL DAHLIAS.

## GIANT DECORATIVE DOUBLE DAHLIAS.

This class produces large, gracefully formed flowers with broad, flat petals, being intermediate between the Cactus and Show types. They make splendid cut flowers.

Price of bulbs, except where noted: Each 25c, dozen \$2.50, prepaid.

**AMERICAN BEAUTY**—Novelty. The flowers are of gigantic size and produced on long, heavy stems, well above the foliage. The color is a gorgeous wine-crimson. 45c each.

**BLUE OBAN**—Fine flowers of deep lavender-blue. Very pretty and attractive.

**C. W. BRUTON**—Bright rich yellow, large flowers. Blooms freely and a long season.

**JACK ROSE**—Brilliant crimson-red, rich and glowing, similar in shade to the popular "Jack" Rose. Very large, perfectly double flowers. One of the finest dahlias.

**L. MANDARIN**—Light cream center, shaded yellow, tipped deep pink, each petal striped with crimson, making it very showy. Attracts much attention. 35c each.

**MAID OF KENT**—Beautiful flowers of cherry-red, tipped with white. Good bloomer.

**MINOS**—Flowers are very large, borne on long stems. Intense velvety maroon, almost black.

**PEARL DE LYON**—A pure-white exhibition variety of great value. The petals are fringed, giving it a unique appearance. 35c each.

**SYLVIA**—Large flowers of a lovely shade of pink, shading to white in the center. Very free flowering. 20c each.

**YELLOW COLOSSAL**—Novelty. Large, showy flowers of pure primrose-yellow are produced very freely on long, graceful stems. Its golden cup-shaped petals are daintily arranged. 40c each.

## LOVELY CACTUS DAHLIAS.

The Cactus Dahlias have become very popular and are exceedingly beautiful. The flowers have long, twisted petals and are borne on long, wiry stems. In color variations they are grand.



Decorative Dahlia—  
"Minos".

Show Dahlia—"Stradella".

Price of bulbs, except where noted: Each 25c, 12 for \$2.50, prepaid.

**COUNTESS OF LONSDALE**—Large flowers of a rich salmon-pink color. Very free flowering. Does well under practically all conditions. 30c each.

**DAINTY**—Most beautiful flowers of lemon-yellow, tipped rose-pink. Very attractive.

**DR. JAMESON**—Deep rich crimson. Blooms abundantly thru a long season.

**EARL OF PEMBROKE**—Bright plum color, extra large flowers. A beauty.

**GENERAL BULLER**—Rich, velvety crimson, tipped white. A beautiful flower.

**GENISTA**—Deep amber-yellow, shaded golden; a unique flower.

**J. H. JACKSON**—The best dark variety. Black-maroon, very large flower. Splendid free blooming sort of great decorative value.

**KRIEMHILDE**—The flowers are perfect and of brilliant pink color, which gradually shades to white in the center.

**MARY SERVICE**—Pinkish apricot or heliotrope. Beautiful.

**REINE CAYEUX**—Novelty. The plants are literally covered with flowers from July until frost. The flowers are of a beautiful ruby-crimson color, and are borne on long, graceful stems; excellent for exhibition purposes. 40c each.

## LARGE SHOW DAHLIAS.

Flowers of this class are round, ball-shaped, compact and double, beautiful and highly colored.

Price of bulbs, except where noted: Each 20c, dozen \$2.25, prepaid.

**A. D. LIVONI**—Exquisite soft pink, early and free flowering.

**GLORIE DE GUISCARD**—An almost indescribable combination of colors. Orange, red, pink, yellow and white. Very novel and attractive. 30c each.

**MAUDE ADAMS**—Novelty. A wonderful dahlia, unsurpassed in every respect. The color is a pure, snowy white, overlaid with clear delicate pink. One of the finest new kinds. Plant is of strong growth and produces flowers abundantly. Each 50c.

**MERLIN**—Bright, intense orange-scarlet. One of the best sorts.

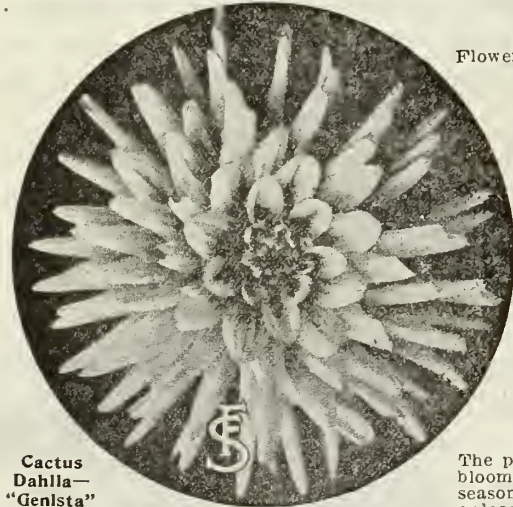
**QUEEN VICTORIA**—Lovely golden yellow. Blooms early, very freely and continuously.

**ROBERT BROOMFIELD**—Pure white, large flowers. A good bloomer.

**STRADELLA**—Beautiful deep purple crimson flowers on long stems. Very free bloomer.

## NEW PÆONY FLOWERED DAHLIAS.

A brilliant, showy class recently originated in Holland. The plants grow vigorously and tall, blooming very profusely thruout a long season. Flowers are broad and flat, rather loosely constructed; in color dainty and delicate.



Cactus Dahlia—  
"Genista"

**BARON DE GRANCY**—Novelty. The only fragrant white Pæony flowered dahlia in existence. The flowers are borne in miraculous profusion upon long, graceful stems, they are pure white in color. Each 35c, prepaid.

**GERMANIA**—Beautifully formed flowers of wine color with bright glowing crimson. Very fluffy, artistic flowers, admired by all. Each 25c, prepaid.

**LA RAİNTE**—New fragrant Pæony Dahlia. The color, a charming deep lavender-pink with an exquisite golden yellow center, combines to make the flowers most beautiful. Its long, graceful petals are curved and twisted, giving the whole a unique appearance. The fragrance of this variety is very prominent. Each 35c, prepaid.

**MRS. J. FUTRELLE**—Lovely flowers of an exquisite lemon-yellow, heavily splashed with scarlet. Blooms very freely. Each 25c, prepaid.

**QUEEN EMMA**—New fragrant Pæony Dahlia. Flowers are a most beautiful shade of hollyhock-pink, the inner petals banded with gold. Exceptionally fine sort. Each 35c, prepaid.

## DOUBLE MIXED DAHLIAS.

All colors and forms of fine double flowered varieties. Each 15c, 12 for \$1.25, prepaid.—12 for \$1.00, not prepaid.



Pæony Dahlia—"Queen Emma".

# LOVELY GLADIOLUS.

The Gladiolus is the most attractive of all summer-flowering bulbs and deserves a place in every garden, as it is sure to flower and do well with little care. Flowers are of almost every desirable color. For best results they should have a sunny position.

**PRINCEPS**—This magnificent new gladiolus produces spikes often 3 feet long, which carry from 18 to 22 broad-petaled, immense flowers, about 6 inches across, of perfect, open form and waxy substance. The color is glowing scarlet-crimson, enlivened below the throat by a large, white blotch. **10c each, doz. \$1.00, prepaid.**

**AMERICA**—Strong plants with erect flower spikes, 2 to 3 feet long, bearing a great number of large blossoms, showing a most beautiful shade of lavender-pink, almost a tinted white; there is no other gladiolus so beautiful. **Each 5c, dozen 50c, prepaid.—100 for \$3.00, not prepaid.**

**MINNESOTA**—Fine large flowers; beautiful, delicate chrome-yellow with cherry-red throat. A very fine new variety, splendid for cut flowers. **Each 8c, dozen 75c, prepaid.**

**GLORY**—The new Ruffled Gladiolus. Lovely, delicate pink, crimson stripes in center of each lower petal. Flowers have ruffled and fluted petals. Tall grower, good bloomer. **Each 10c, dozen \$1.00 prepaid.**

**MEPHISTOPHOLES**—Flowers of large size, dark glowing red, stained with black and yellow. Very odd and grotesquely showy. **Each 10c, dozen \$1.00, prepaid.**

**CHICAGO WHITE**—Pure white with lavender markings in throat; large flowers. **Each 8c, doz 80c.**

**FRILLED PINK**—Beautiful shade of pink, flowers have ruffled or frilled petals. **Each 7c, dozen 70c.**

**BLUE JAY**—The only real blue gladiolus yet introduced; the color is a rich, deep violet-blue. **Each 10c, dozen \$1.00, prepaid.**

## STANDARD SORTS GLADIOLUS.

These six Standard varieties: **Each 5c, dozen 50c prepaid.—100 for \$4.00, not prepaid.**

**AUGUSTA**—Lovely, large flowers, pure white, with blue anthers. One of the best for cut flowers.

**INDEPENDENCE**—Brilliant rosy-pink, with throat markings of dark red; long, large spikes

**KLONDIKE**—Clear primrose yellow with crimson blotch. Blooms early.

**MRS. F. KING**—Immense flowers of beautiful flame pink color.

**GOLDEN QUEEN**—Clear bright sulphur-yellow, the best of this color.

**VELVET KING**—Glowing rich dark scarlet, very fine.

## GOLD MEDAL MIXTURE GLADIOLUS.

By far the finest mixture of Gladioli ever offered, containing a splendid variety. The flowers are all extra large, of perfect form, splendid substance and of so great a diversity of color that very seldom two are alike. **Each 7c, dozen 60c, prepaid.—100 for \$4.00, not prepaid.**

## GOOD MIXED GLADIOLUS.

A splendid mixture, composed of fine sorts only, in all colors; first-size bulbs. **Dozen 30c, prepaid.—100 for \$1.50, not prepaid.**

## ISMENE CALATHINA.

(PERUVIAN LILY.)

A very fine and curious plant. The flowers are of very large size, like an Amaryllis in form and of snowy whiteness, and are also exceedingly fragrant. Bulbs are large and strong, beginning to flower in a few weeks after planting. As a pot plant it is grand, and as a garden plant, treated like gladiolus it gives splendid results. **Each 20c, 3 for 50c, dozen \$1.75, prepaid.**



Gladiolus—"America".

## FAIRY LILIES. (ZEPHYRANTHES.)

The Zephyranthes are gems of rare beauty, producing very beautiful, lily-like flowers in great profusion during the summer. They grow about 8 inches high and are very effective in masses or borders and also suitable for pot culture; 4 to 6 bulbs planted in a six-inch pot will make a fine display. We can supply the following colors: **Pure White, each 6c, doz. 60c.—Rose, each 10c, doz. \$1.00.**



Lily Auratum.

## HARDY LILIES.

Lilies have always been regarded as some of the most beautiful of our garden plants. They are quite hardy, and once established become a permanent and attractive feature of the garden, blooming more profusely each succeeding year.

**CANADENSE**—Native Canadian lily with lovely, nodding, bell-shaped flowers of bright yellow color, marked with black spots. **Each 15c, 3 for 40c, ppd.**

**IMPROVED SINGLE TIGER LILY**—A very hardy lily, bearing when well established 8 to 20 flowers, which are of orange-red color, spotted with black. Stems black polished, 3 to 4 feet high. Blooms in August. **Each 10c, dozen \$1.00, prepaid.**

**DOUBLE TIGER LILY**—Grows 3 to 4 feet high and bears an immense number of bright orange-red flowers. The only double lily worth growing. Of easy culture, blooms in August. **Each 12c, dozen \$1.20, prepaid.**

**ELEGANS**—Grand umbles of upright, large, tulip-shaped blossoms of many shades of yellow and red. They belong to the earliest of our lilies, are of easy growth and bloom freely. **Each 15c, 3 for 40c, prepaid.**

**AURATUM**—The glorious gold-banded Lily of Japan and one of the grandest plants in cultivation. Its fragrant, immense, ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a gold band, fading at its edges into white. Height 3 to 5 feet. **First Size Bulbs (8 to 9 inches in circumference) 20c each, 3 for 50c, dozen \$1.75, prepaid.**

**ALBUM**—Flowers pure white with a greenish band thru the center of each petal. Of great substance and very fragrant. **Large bulbs, 25c each, 3 for 65c.**

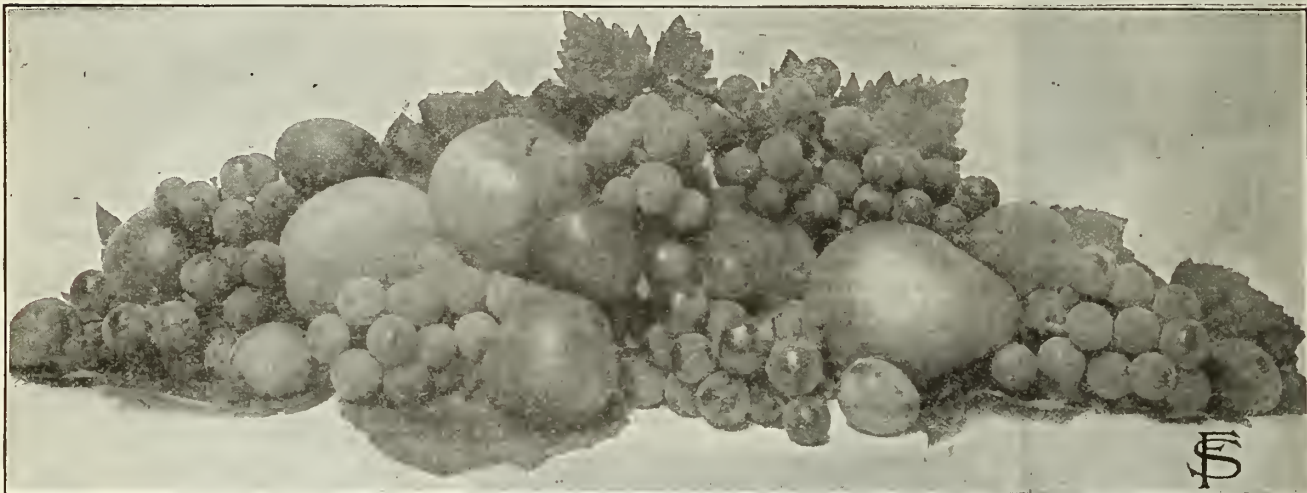
**RUBRUM**—No words can overstate the brilliant beauty of these famous lilies. The six broad white and pink petals are thickly dotted with rose and crimson spots. Its brilliant coloring and graceful form make this lily very effective and desirable. It is especially thrifty and hardy. **Large bulbs, 20c each, 3 for 50c, dozen \$1.75, prepaid.**

## WINTER BLOOMING BULBS.

For fall planting, either for house culture or early spring blooming in the garden, we offer a large assortment of choice **Holland bulbs**. Write for price list.



# NURSERY DEPARTMENT.



Northern Grown, Hardy, Healthy, Reliable Fruit Trees, Ornamental Trees, Small Fruits, Flowering Shrubs and Perennial Plants.

**Our Nursery Stock is sold direct to the planters. We employ no agents; our catalogs are our only salesmen.**

**EVER** since we have been engaged in the seed growing business in Minnesota we have received inquiries for hardy Nursery Stock, and to meet the wishes of our customers, we started some years ago to grow on a small scale different varieties of small fruits, apples, shrubs, etc. The business increased from year to year and we now have a nursery comprising two hundred acres, and are able to offer a very complete list of nursery stock, all our own growth. This year we have added again many valuable varieties. All our trees and plants are properly and carefully grown. Nature favored our section with a rich, deep soil, and our very severe climate insures extra hardy, vigorous stock. Soil, climate and all other conditions here are the most favorable to the growing of nursery stock, producing solid healthy growth, a splendid root system with a great abundance of fibrous roots, so necessary to the successful transplanting and future value of the trees. Trees and plants from our nurseries can withstand the cold, rigorous winters of the North, as well as the hot dry summers of the West, and will grow quickly and splendidly in milder climes. We grow and supply the best grade of nursery stock the market affords, our stock can be depended upon to produce maximum results even under unfavorable conditions. Notwithstanding the high quality of everything we send out, you will find our prices very reasonable.

The high quality, our constant endeavor to please, and our minimum prices should merit your patronage.

**NOTICE.**—The packing of a very small order, with postage added, often amounts to more than the price paid for the plants, therefore we can not accept mail-orders for trees and plants for less than 50c. We have purposely eliminated from our list many varieties we do not consider reliable and hardy, as we realize that satisfied customers are our best and most valuable advertising agents.

**ORDER EARLY.**—It is always a good policy to order as early as possible; stock will then be reserved and shipped at the proper time for planting.

**OUR GUARANTEE.**—Safe arrival is guaranteed. Orders lost or damaged in transit will be refilled without charge. We do not substitute unless permitted by our customers to do so, and we guarantee that all our stock is as described and represented in our catalog and labeled true to name; if, however, thru some error the stock is not as represented, we will, if notified within 10 days after receipt of stock, refill the order or refund the money. It is mutually understood that our guarantee shall in no case make us liable for any sum greater than that originally paid for said trees or plants. Only on these terms are we able to supply nursery stock at the low prices quoted in this catalog.

**NURSERY STOCK BY PARCEL POST.**—Many of our customers live far from railway stations, or do not wish to buy the larger and more expensive trees, and we are therefore offering a smaller size which we can ship by mail, postage paid. This stock is well rooted, strong and healthy, and with proper care will give equally as good results as the larger sizes offered. Smaller trees, seedlings, berry plants and all small shrubs and flowering plants may now be shipped to advantage by parcel post. As postage required depends upon the zone system, we cannot quote a postpaid price but will gladly ship with a C.O.D. for the required amount of postage, in which case purchaser will pay for insuring the package and fee for return of money. Please remember that in nearly all cases express shipment is as cheap as parcel post. Nursery stock to Canada will not be shipped by mail or parcel post. All shipments to Canada and other foreign countries are made at purchaser's risk only, without liability on our part as to safe delivery.

**OUR NURSERIES** have been thoroughly inspected and a certificate of the State Entomologist will be attached to all shipments.

**DO NOT BUY FROM AGENTS.**—In the first place, agents naturally must receive a large commission in order to pay expenses, which unduly increases the cost of stock, and furthermore, most of them have no knowledge of the goods they sell (altho they may claim it), and their advice cannot be depended upon. When you buy from us, you buy first-hand, which means a saving for you of 30 to 50 per cent. Just give us a trial order

**FILLING ORDERS** is done by experienced men in the most careful manner, so that our stock always reaches its destination in a good, fresh condition, no matter what the distance is. We make no charge for packing and boxing, altho our prices are extremely low; purchaser pays transportation charges, except where prepaid prices are quoted in catalog.

**SEEDS AND NURSERY STOCK** are not shipped together. While seeds can be shipped almost any time, nursery stock must be shipped when danger of heavy frost is over to insure success.

**OUR SHIPPING AND PACKING FACILITIES** are excellent. Our large cellars and packing sheds enable us to pack early, regardless of the weather, so that we can always ship to our Southern customers at the proper time to plant.

**QUESTIONS** regarding the handling, planting and taking care of nursery stock will be cheerfully answered, and any information from our friends about their success with our stock will always be highly appreciated.

**CARE OF STOCK ON ARRIVAL.**—As soon as the trees or plants arrive they should be unpacked and planted; if it is impossible to do so at once, they should be heeled in moist earth in some sheltered location.

**PLANTING.**—A hole should be dug sufficiently large to put the tree in without cramping the roots, and always deep enough so that 2 or 3 shovels full of good surface soil can be thrown in the bottom. When the tree is set, some good pulverized loam should be filled in around the roots, shaken thoroly between them and then packed or tramped down. When the hole is about three-fourths filled and the soil well packed, a pail of water may be poured in the hole (this is especially beneficial for evergreens), but no more earth should be put in until the water has thoroly soaked in. In any ordinary season this is the only watering required. Never fail to keep the roots of all trees thoroly protected from sun and wind while planting.

**MULCHING.**—When the tree is planted throw around it as far as the roots extend, and a foot beyond, five or six inches deep of rough manure or litter. This is particularly necessary in dry ground, and is highly advantageous everywhere, both in spring and fall planting. It prevents the ground from baking or cracking, and maintains an equal temperature about the roots.

**AFTER-CULTURE.**—The grass should not be allowed to grow around young trees after being planted, as it stunts their growth. The ground should be kept clean and loose around them until, at least, they are of bearing size.

# APPLE TREES.

Our apple trees are propagated by grafts on hardy crab apple roots. Our method differs from others inasmuch as we use a longer scion, and by planting the root-grafts deep, the scion, too, will take root, so that we may say we grow apple trees on their own roots. The trees grown by our method are the hardiest obtainable and the only kind that will thrive and bear everywhere; besides, they are provided with the best root system, have a mass of fibrous roots, and will be found the most dependable, the healthiest, most vigorous grown anywhere, and our varieties have proven the best adapted and most valuable for the Northwest. By planting the right varieties, fine luscious apples may be had during nearly the entire year.

**A word about our 4 to 5 feet Apple Trees.**—Our method of growing low branched trees is well known thru the Central and Northwestern States, and for the benefit of our customers the following information will be of value:

**Our 4 to 5 feet Select** are trees measuring  $\frac{3}{8}$  to  $\frac{1}{2}$  inch in caliper. **Our 4 to 5 feet Extra Select** are trees measuring  $\frac{1}{4}$  inch and up in caliper; this means that the stems of our **4 to 5 feet Extra Select** trees are really heavier than any 5 to 7 feet trees offered by others. Such low branched trees with heavy, stocky stems are naturally better adapted for the Central and Northwestern States than the taller slim stemmed trees grown farther south; hence we claim our trees are the best, and bring the largest, as well as the quickest returns.

In some localities in the West we sell large quantities of this size, especially of such varieties as **Patten's Greening, Longfield, Hibernal, Wealthy, Malinda and Northwestern Greening.** We invite large planters to write us for special prices on quantities. For the family orchard we recommend to plant a few trees of each of the Summer, Fall and Winter varieties. For extreme northern sections we recommend the **Duchess, Hibernal and Wealthy.** The Hibernal is the hardiest of all known apples.



Duchess of Oldenburg.

## PRICES OF ALL APPLES AND CRAB APPLES.

- 2 to 3 feet, 2 year roots.....
- 3 to 4 feet, 2 years old, branched.....
- Select 4 to 5 feet, 2 years old, well branched.....
- Extra Select 4 to 5 feet, 3 years old. These trees measure  $\frac{3}{4}$  inch and up in caliper and are well branched and stocky, with well developed root system.....
- 5 to 6 feet, extra fine, 3 years old.....
- 6 to 7 feet, large 4 year old trees, measuring  $1\frac{1}{2}$  to 2 inches in caliper, with large roots and tops, of only Northwestern Greening.....
- Malling Size, postpaid, all varietles listed.....

	Per 1	Per 12	Per 25	Per 100	Per 500	Per 1000
2 to 3 feet, 2 year roots.....	15c	\$1.50	\$2.75	\$10.00	\$45.00	\$80.00
3 to 4 feet, 2 years old, branched.....	20c	2.00	4.00	13.50	62.50	110.00
Select 4 to 5 feet, 2 years old, well branched.....	25c	2.50	4.75	17.50	82.50	150.00
Extra Select 4 to 5 feet, 3 years old. These trees measure $\frac{3}{4}$ inch and up in caliper and are well branched and stocky, with well developed root system.....	30c	3.25	6.25	22.50	100.00	175.00
5 to 6 feet, extra fine, 3 years old.....	35c	3.85	7.50	28.00		
6 to 7 feet, large 4 year old trees, measuring $1\frac{1}{2}$ to 2 inches in caliper, with large roots and tops, of only Northwestern Greening.....	45c	4.75	9.25	35.00		
Malling Size, postpaid, all varietles listed.....	15c	1.50	2.75	10.00		

We furnish 6 at dozen rate, 50 at 100 rate.

## SUMMER APPLES.

**CHARLANOFF**—Season Aug. to Sept. Tree is spreading, vigorous and very productive. Fruit large, oblong, light yellow, covered with dark crimson splashes, and overlaid with a heavy blue bloom; flesh white, fine grained; a fine dessert and cooking apple.

**DUCHESS OF OLDENBURG**—Season August. This well known Russian variety is the hardiest of the old list and is a young and abundant bearer. Tree is dwarf and can be planted profitably as a filler. A handsome, large fruit, oblate, greenish yellow, almost wholly covered with stripes and splashes of bright crimson. Flesh is white, sprightly acid, tender, juicy and pleasant. A kitchen apple of the finest quality and also highly esteemed for dessert. A good shipper for an early apple. Should be found in every orchard in the Northwest.

**GILBERT**—Season September. A very choice variety, resembling the well known Duchess in color, but ripening about three weeks later. Fruit large; tender, juicy flesh of pleasant taste. Tree hardy and very productive. A splendid kitchen apple.

**LIVELAND RASPBERRY**—Season Aug. to Sept. A valuable Russian variety, medium to large fruit of a beautiful clear waxen-white color, marbled crimson; flesh stained with red, extra good flavor, tender, juicy and sub-acid. Tree extremely hardy and succeeds well everywhere, bears young, blooms late and is blight resistant. Liveland Raspberry is one of the best quality and most profitable summer apples, especially for the Northwestern States.

**SUMMER PEAR**—Season August to September. Fruit of good size, yellow with red cheeks. Flesh fine grained, mild, very fine flavor. Tree very hardy, a rapid, upright grower; early and heavy bearer. It should be in every orchard.

**YELLOW TRANSPARENT**—Season August. A very hardy Russian sort. Tree bears very young and annually. Fruit large and showy, pale yellow; flesh tender, sub-acid, extra good quality. Very early. Succeeds well in the East, also far North. Does well on light soils.

## AUTUMN APPLES.

**CHRISTMAS**—Season Nov. to Dec. Hardy Russian variety. Upright, vigorous grower and annual bearer; free from blight. Fruit medium size, roundish-conical, very beautiful; yellow with bright crimson stripes. Flesh white, juicy, tender, sub-acid. Splendid apple for the home orchard.

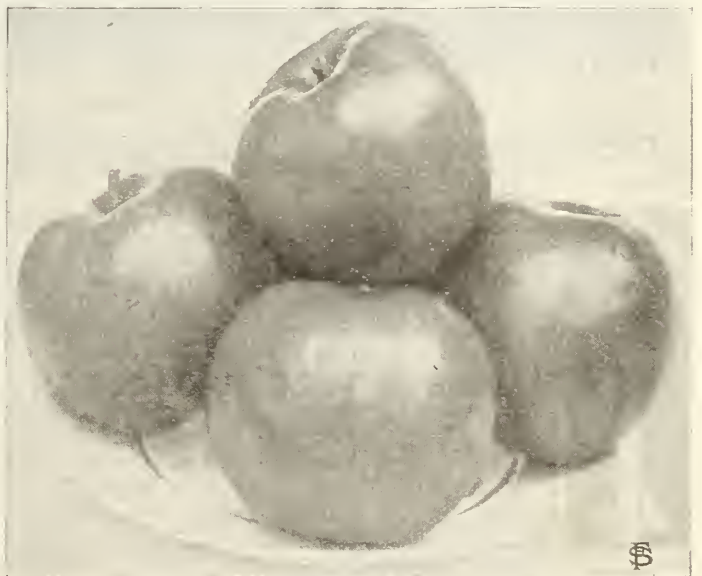
**ESTELLINE (Late Duchess)**—Season Oct. to Jan. A beautiful red apple of the Duchess type; good quality. Tree very hardy and productive. Especially valuable for light soils, where other varieties would fail. Popular in Minnesota and Nebraska. In all regions where hardiness is a consideration, this splendid sort should be planted.

**EVELYN**—Season Oct. to March. A seedling of the Wealthy, practically the same season; free from blight; good yielder of even, medium size, highly colored fruit which hangs on until picked. Excellent variety for market and home use. Long keeper.

**IOWA BEAUTY**—Season Oct. to Dec. Tree a strong, vigorous, upright grower, very hardy. Fruit very large, roundish, of golden yellow color, striped and splashed with dark red. One of the handsomest large fruits on our list and a favorite wherever known. Flesh rich yellow, firm, juicy, acid and of excellent quality. Deserving of a place in every orchard. Reported very successful far North and East.

**LONGFIELD**—Season Oct. to Dec. Origin Russia. A strong, spreading grower. Very hardy. An early, annual and heavy bearer, inclined to overbear; fruit medium sized, roundish conical; skin smooth, polished, clear waxen yellow, with a lively red blush. Flesh white, sub acid, tender, juicy and of pleasant aromatic flavor. Especially recommended for Iowa, Minn. and other northern states.

**MILLER'S SWEET**—Season Sept. to Nov. Tree a strong, vigorous grower with spreading head, very hardy, early and heavy bearer. Fruit conical, medium large, greenish-white with red cheek. Flesh firm and sweet. One of the best sweet apples for the North.



Anisim. (Page 100)

# APPLE TREES. Continued.

## AUTUMN APPLES. Continued.

**OKABENA**—Season Sept. to October. Originated in Minnesota and is one of the best apples for the Northwest. Tree very hardy and productive, bears young, and is free from blight. Fruit medium to large, slightly flattened, yellow, striped and splashed with red. Flesh yellowish white, fine grained, crisp and juicy, unexcelled in quality. Valuable for all purposes, fine market sort.

**PETER**—Season October to March. Originated in Minnesota. Resembles Wealthy in size and color of fruit, but tree is considered hardier, less affected by blight and more productive.

**WEALTHY**—Season Oct. to Feb. Originated by the late Peter M. Gidion. A vigorous, spreading grower, very productive and hardy. Fruit above medium to large, oblate, very regular, smooth, light yellow, almost wholly covered with bright red splashes and stripes. A beautiful fruit. Flesh white, often stained with red, tender, very juicy, sprightly sub-acid, very good for table use and cooking. A splendid and profitable market sort, the demand always being greater than the supply. The Wealthy should be in every orchard.

**WOLF RIVER**—Season Oct. to Dec. Originated near Wolf River, Wis.; very hardy, succeeds well North and South. A great show apple, being the largest apple known and of a beautiful, bright red color. Quality fair.

## WINTER APPLES.

**ANISIM**—Season Nov. to Jan. The trees are of fine form, upright, but spreading with age, have exceedingly strong shoulders and are very hardy and strong growers. They commence to bear when very young and bear regularly enormous crops of beautiful fruit.

The apples are of medium size, roundish conical, and of a dark red color, overlaid with a blue bloom, and starred with minute white dots. The flesh is white with green streaks, fine grained, juicy, pleasant sub-acid. One of the best and most profitable kinds for the Northwest. A splendid commercial apple on account of its rich color and good quality.

**DELICIOUS**—Season Dec. to April. Tree is a strong vigorous grower with sturdy limbs, bears young and annually, seldom blights. Fruit large, distinctive in shape, conical, beautiful in color, brilliant dark red blending to yellow at blossom end. Flavor is sweet, slightly acid, with a delightfully fragrant aroma. Tree reported perfectly hardy in Iowa, Wisconsin, Minnesota, South Dakota, Montana, etc., having withstood a temperature of 35 to 40 below zero.

**HIBERNAL**—Season Nov. to Dec. Origin Russia. Very valuable in the extreme North; it will succeed in localities where no other apple will live. Tree vigorous, very productive. Fruit large, irregular, oblate, greenish yellow with a dull bronze, mixed red on sunny side and a large patch of russet radiating out irregularly over nearly the entire base. This is a marked characteristic by which it is easily distinguished from similar varieties. Flesh yellowish green, medium fine, sour, juicy and excellent for cooking, also fine for table use when fully ripe.



Iowa Beauty. (Page 99.)

**MALINDA**—Season January to March. Tree is perfectly hardy and develops into a fine, spreading orchard tree. It bears extremely well. Fruit medium to large, but varies much in size, sharply conical; skin smooth, rich yellow, with dull red blush, and numerous minute, distinct, white dots. Flesh yellowish white, firm and juicy, very mild, sub-acid with sweet aftertaste. An excellent long keeping apple.

**MILWAUKEE**—Season Dec. to Mar. Splendid long-keeping winter apple, one of the very best for the Northwest, hardy everywhere, free from blight and enormously productive. The fruits are large, flattened, splashed bright red; very juicy, and of good flavor.

**MINNETONKA**—Season Nov. to Mar. Originated near Lake Minnetonka, Minnesota. Tree very hardy and productive, bearing early and continuously, thrives well on nearly all soils and is practically blight proof. Fruit very large, bright red in color, with small core; flesh tender, crisp, of delicious sub-acid flavor, excellent for eating and cooking. Splendid market variety on account of its good keeping qualities.

**NORTHWESTERN GREENING**—Season Dec. to March. Originated in Waupaca County, Wisconsin. A strong, vigorous tree, very hardy, bears young and yields big crops of fine apples. Fruit large, to very large, oblong; transparent yellowish green. Flesh firm, juicy, sub-acid and good. A long keeper and splendid market and table sort. It is claimed this tree has withstood a temperature of 50 degrees below zero without damage. One of the leading winter apples for the northern states.

**PATTEN'S GREENING**—Season Nov. to Jan. A seedling of Duchess, very productive, an early and regular bearer; of stronger growth than its parent, with strongly shouldered limbs and green, glossy bark. Fruit very large, oblate; skin yellowish green with dull bronze blush and minute greenish dots. Flesh white, juicy, sprightly sub-acid, good for table and excellent for cooking. This variety has proved to be very profitable in the home orchard as well as for market and deserves the fullest confidence of the planter.

**PEERLESS**—Season Oct. to Jan. Originated in Minnesota. Fine, vigorous, upright trees; very hardy, blight proof. Fruit medium to large, of a greenish color, thinly striped with dull red. Flesh yellowish white, fine grained, juicy and of fine quality. Does well on dry soils.

**PERFECT**—Season Nov. to Jan. One of the best Lyman (Excelsior, Minn.) seedlings. Tree of moderately quick, spreading growth. Fruit of good size, round, good quality and color. Deserving of trial in every home orchard.

**PEWAUKEE**—Season Dec. to March. Fruit large, yellowish green, striped and shaded with dull red, overlaid with a bluish bloom; flesh yellowish, rather coarse grained, firm, juicy; flavor sub-acid. Tree is a strong, quick grower.

**REPKA MALENKA**—Season Jan. to March. Very hardy, Russian variety, an upright grower, and an early and prolific bearer. Fruit medium sized, yellow, striped red, with white flesh, mild, sub-acid and of finest quality.

WINTER APPLES—Continued on next page.

## HAWKEYE TREE PROTECTOR.

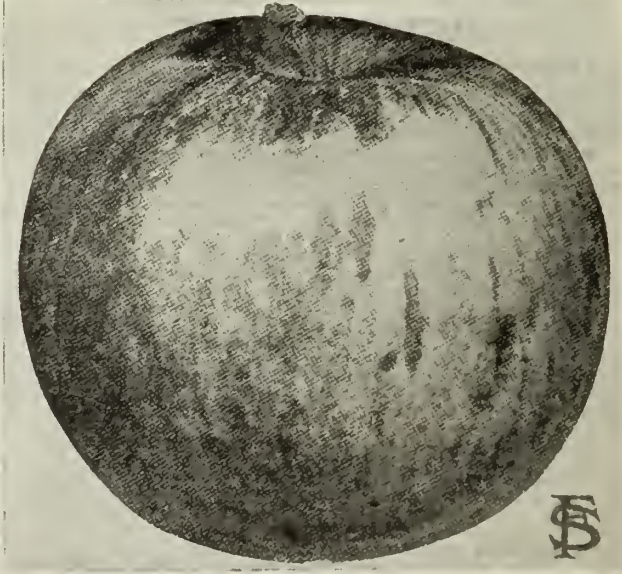
The trunk and lower crutches of a tree are very liable to be injured by sun scald which kills the bark over the effected portion and is due to the alternate freezing and thawing of the sap in the winter. To protect the tree against sunscald use the Hawkeye Tree Protector, which is also a sure protector against rabbits, mice and other vermin. This tree protector is made of the best quality rock elm veneer, is 20 inches long, 12 inches wide; it is cheap, neat and easily applied. These are put up in crates of 100 to each crate; weighing about 30 pounds to the crate. Must be shipped by freight or express, purchaser to pay charges. 100 for \$1.00, 1000 for \$7.50, 50 at 100 rates, not prepaid.



Hawkeye Tree Protector



Hibernal.



Wealthy.





# APPLE TREES. Continued.

## WINTER APPLES. Continued.

**SALOME**—Season Jan. to May. Does remarkably well in the Northwest. Tree is a hardy, vigorous grower, bears young and very abundantly. Its hardiness, good quality and uniform size recommend it. Fruit round, of medium size. Skin pale yellow, shaded and splashed with red. Flesh whitish yellow, tender, juicy. A long keeper.

**SCOTT'S HARDY WINTER**—Season Dec. to Feb. Very hardy. Tree a strong, upright grower, an annual and good bearer. Fruit medium size, ohlate, of a rich yellow color with dark red stripes and splashes. Flesh yellow, fine grained, juicy, crisp and sprightly acid. Core very small. Valuable for culinary purposes. Does splendidly in Minnesota and other northern states.

**TALMAN'S SWEET**—Season Dec. to March. Tree hardy, a vigorous grower, upright while young and spreading with age; very productive. Fruit above medium, nearly globular, of yellowish white color with faint blush on sunny side. A splendid winter sweet-apple.

**UNIVERSITY**—Season Nov. to Dec. Tree very hardy, a vigorous grower and very productive. Fruit large, very regular, clear yellow; flesh white with pleasant sub-acid flavor, fine quality. Should be planted everywhere. This variety should really be classed as a late autumn sort, but owing to its commercial value as a market sort, we consider it fully as valuable as most winter apples.

**WALBRIDGE**—Season Jan. to April. Perfectly hardy as far north as Southern Wisconsin and Minnesota. Tree is a heavy bearer. Fruit is medium size, yellowish green, striped and splashed with red; flesh fine grained, juicy, mild, sub-acid, finest quality.

## CRAB AND HYBRID APPLES.

Crab apples are every year becoming more esteemed and cultivated. They are both useful and ornamental, and combine the qualities of extreme hardiness and productiveness, being capable of enduring an extremely cold climate, and bearing annually large crops of highly colored and beautiful fruit, of which some varieties are excellent for dessert, while others are valuable for drying, cooking, preserving, and for making jellies, cider, etc. Crab Apples are attractive and valuable trees for the garden and lawn as well as for the orchard.



Hyslop Crab Apple.

**BEACH'S SWEET (Crab)**—Season Sep. to Oct. Extremely hardy tree of handsome shape and quick growth, a very heavy bearer. Fruit is large, of bright, rich carmine color when ripened in the sun. Flesh is very juicy, crisp and firm, unexcelled in quality. Without doubt the best of the sweet crab apples. Very fine for sweet pickles. When in full fruit it is one of the most ornamental trees grown.

**DART (Hybrid)**—Season Sep. to Oct. A vigorous, extremely hardy and ideal orchard tree. Fruit large, yellow ground covered with rich red stripes; flesh yellow, medium fine grained, sub-acid. A fine and valuable variety for all purposes. Tree is very productive, a spreading and thrifty grower.

**EARLY STRAWBERRY (Crab)**—Season Aug. Tree hardy, spreading, very productive and the earliest of all to ripen; the fruits are medium size, greenish yellow with carmine stripes and splashes and of a mild, sweet flavor; one of the best crabs for eating. An old time favorite in the Northwest.

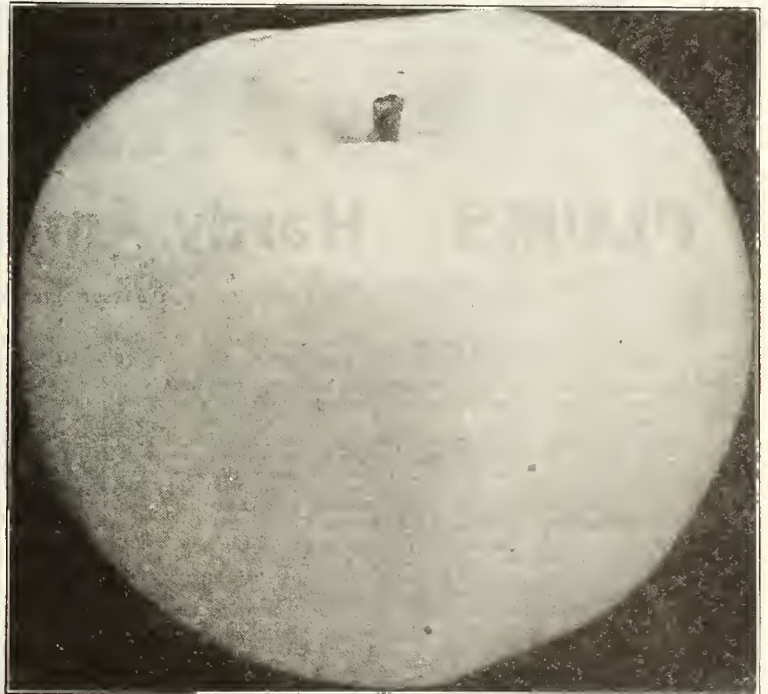
**FARIBAULT (Hybrid)**—Season Oct. to Nov. A large, handsome hybrid, red over greenish yellow ground. Tree upright, vigorous, hardy; very free from blight. A splendid variety, which originated here at Faribault and has given the Northwestern planter the utmost satisfaction.

**HYSLOP (Crab)**—Season Oct. to Dec. Undoubtedly one of the best all around crabs for the Northwest. A very hardy and strong grower, generally coming into bearing the second or third year after planting, very productive annually. Fruit large, of beautiful crimson color; flesh yellow shaded with red, good for cider and culinary purposes. Fruit is born in clusters which makes the tree very ornamental. Tree has proven very satisfactory here in the Northwest and in the western states, especially in Colorado.

**MINNESOTA (Hybrid)**—Season Oct. to Jan. One of the most desirable crabs for the northern and western states. A hardy, spreading grower, productive. Fruit large, yellow, splashed with blush; flesh is cream white, fine grained, juicy, acid, of fine flavor and slightly aromatic; a good keeper. Delicious eating apple.

**TRANSCENDENT (Crab)**—Season September. Very hardy, a vigorous grower, an early bearer and immensely productive. Does well in the extreme North, where it is extensively planted. Fruit medium to large, bright red; flesh yellow, crisp, very juicy, acid and fine grained, of pleasant and agreeable flavor. Valuable for all purposes, fine for jelly. Does well in Montana and is the leader for that section.

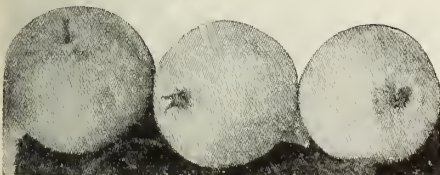
**WHITNEY NO. 20 (Hybrid)**—Season Aug. to Sep. A beautiful, upright growing tree. A young and annual bearer and very hardy. Fruit of large size, conical, yellow striped with red and covered with a whitish bloom. Flesh yellowish-white, crisp, sub-acid, almost sweet and very fine for eating, as it is of rich flavor; good for sweet pickles, unexcelled for jelly and preserves.



Northwestern Greening. (Page 100.)



Whitney



Beach's Sweet Crab.

*Received shipment of Trees in line shape. I am well pleased with the trees and the way you sent them. Herewith another order for Nursery Stock. I will deal with you in the future as I do surely like your trees and the way you do business.*  
NILS FONGSTEDT, Columbia Falls, Montana.

*Nursery Stock ordered from you arrived in good time and order. Have everything set and they look well. Thanks for liberality and prize. Seeds, Tools, etc., at hand. All O. K.—Thanks*  
MR. and MRS. E. C. CHAPMAN, Chisholm, Minn.

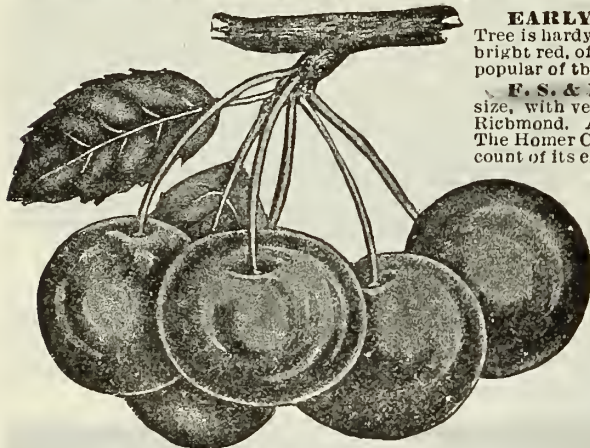
*Will let you know that I received all the Seed and Nursery Stock last week, which I thank you very much for, am much pleased with it.*  
JULIUS KRAUSE, Neshkoro, Wisconsin.

# CHERRIES. Hardy Varieties.

Cherries do best on sandy or gravelly, well drained soils and southern slopes, but will do very well in almost any situation, except a wet and exposed one. They are desirable for planting near dwellings, where hearty and shade, as well as fruit, are so much sought for.

Price of all varieties (except Compass and Rocky Mountain) extra select trees:

3 to 4 feet trees, each 30c, 12 for \$3.25, 25 for \$6.00, 100 for \$21.50. — 4 to 5 feet, each 45c, 12 for \$4.75, 25 for \$9.00, 100 for \$32.00.



Early Richmond Cherry.

**EARLY RICHMOND (English Pie Cherry)**—A well known old standard variety. Tree is hardy, healthy, a free grower, very productive and regular in bearing. Fruit clear bright red, of medium size, acid, rich and one of the best for canning and for pies. The most popular of the true Kentish Cherries. Ripens in June.

**F. S. & N. CO'S HOMER**—Very hardy and profuse bearing variety. Fruit of medium size, with very small pit, dark red; flesh juicy, rich, of excellent quality, similar to Early Richmond. An all around good variety for the Northwest, and should be extensively planted. The Homer Cherry has attracted much attention of late among the Minnesota growers on account of its extreme hardiness. Ripens in July.

**MONTMORENCY**—A beautiful, large, red cherry, larger and finer than Early Richmond, but fully 10 days later. Being extraordinarily prolific and very hardy, it can be highly recommended. Valuable for canning and preserving.

**WRAGG**—Originated in Iowa. Tree very hardy, dwarf, not subject to disease, a regular bearer. Fruit large, dark red, nearly black; flesh tender, juicy, rich, slightly acid. The hardest and longest lived of the Morello type cherries. Splendid market sort. Ripens in July.

**ENGLISH MORELLO**—The hardest of the black, heart-shaped cherries. Fruit large, juicy, very rich, sub-acid. Tree of dwarf growth. Ripens in July.

**COMPASS CHERRY-PLUM**—The hardest variety in cultivation. Will withstand a winter temperature of 60 degrees below freezing and bear an abundant crop of fruit the following summer. This cherry originated at Springfield, Minn., and is absolutely hardy everywhere. Fruit is about an inch in diameter, of bright red color, sweet, juicy and of very fine flavor. The tree is a regular and heavy bearer, and produces fruit the next year after setting out. For exposed situations and for the far North and West it is "the cherry". (See illustration on page 103.) Price: 3 to 4 feet, each 35c, 12 for \$3.75.—

4 to 5 feet, each 50c, 12 for \$5.50. — 5 to 6 feet, each 65c, 12 for \$7.00. — 6 to 7 feet, each 85c.

**ROCKY MOUNTAIN CHERRY**—A reliable, hardy, dwarf cherry, very productive. This cherry is generally grown in bush form like currants; it is hardly ever troubled with insect pests or fungus diseases. The fruit is of a beautiful rich crimson color when ripe, of fair size, good flavor, excellent for jelly and preserves. To be recommended for exposed locations where the other cherries will not thrive. Tree is very ornamental and deserves a place in every yard. Price for bushy plants: 2 to 3 feet, each 20c, 12 for \$2.00, 25 for \$4.00, 100 for \$14.00. — 3 to 4 feet, each 30c, 12 for \$3.00, 25 for \$5.75, 100 for \$21.50.

# PLUMS. Hardy American Varieties.

Plums succeed best in reasonably moist and rich soil. The trees need comparatively little care, come into bearing early and yield abundantly. They may be planted much closer than apple trees and will bring the best results and produce the most perfect fruit when two or more varieties are planted together.

Price of the following varieties, extra select trees: 3 to 4 feet trees, each 30c, 12 for \$3.25, 25 for \$6.00, 100 for \$21.50.— 4 to 5 feet trees, each 45c, 12 for \$4.75, 25 for \$9.00, 100 for \$32.00.— 5 to 6 feet, each 60c, 12 for \$6.50, 25 for \$12.75, 100 for \$47.50.

**BRITTLEWOOD**—Fruit very large, dark red, mottled with heavy grayish bloom; flesh firm and of excellent quality. Tree is hardy, a thrifty, spreading grower.

**CHENEY**—A very hardy and early variety. Tree is a strong, vigorous, upright grower and annual bearer. Fruit oval, medium to large, dark red, with slight blue bloom; flesh yellow, fine grained and firm. Valuable for market on account of its earliness. One of the best and hardest of the extra early plums. Will be found of great value in every orchard, as there are few sorts of its season.

**DE SOTO**—Probably the most grown of the American sorts. Fruit of medium size, oval, overspread with bright red; flesh yellow and firm, of fine flavor and good quality. It is a profitable market variety and excellent for all home uses. Tree very hardy and productive. Inclined to overbear. Does well in the Dakotas and Minnesota. Season Sept.

**STODDARD**—Fruit large, oval; color pinkish red over yellow, with very small white dots and bluish bloom over all; skin thick and therefore a good shipper; flesh yellow, fairly juicy and of good quality. Tree bears early and heavy. Adapted to all soils. Season medium early.

**SURPRISE**—This variety originated at Sleepy Eye, Minnesota, and is one of the best plums for the North. A fine symmetrical grower with beautiful foliage and a good bearer. Fruit red, dotted with many minute light spots, very large and meaty; flesh pale yellow, of fine flavor; a good keeper and splendid for canning and market. Medium early.

**WOLF**—One of the most popular and widely planted of all our hardy plums. A very rapid grower which comes into bearing when young and is very productive. Fruit large, round to oval; color crimson over orange; freestone. Flesh yellow, of good flavor and quality. Season August 25th to September 1st. One of the very best market varieties in the Northwest. The tree is beautiful and symmetrical, and regular in bearing as far north as Manitoba, Canada.

**WYANT**—A very hardy and productive variety and a remarkably early and constant bearer. The fruit attains a fair size, even with a heavy crop, and is of a beautiful, deep purplish-red color, slightly oblong in form; flesh rich yellow, of good quality. Tree is of spreading growth. A splendid plum for both home use and market. Ripens about Sept. 1st.

**SPECIAL:** Of Forest Garden and Surprise we have a limited number of extra strong, 6 to 7 feet trees, at 75c each, \$7.50 per dozen.

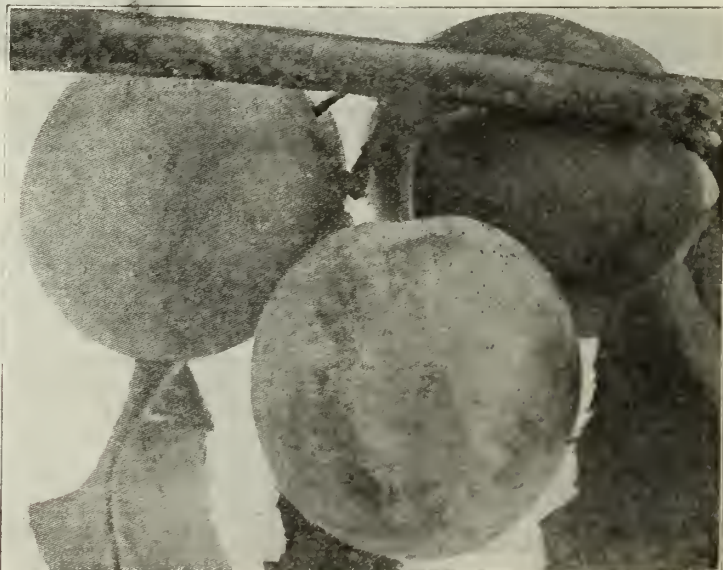
**PROF. HANSEN'S NEW HARDY PLUMS**  
Best for the Northwest. See under Novelties, page 125.

When sending your order ask for booklet on the care of Trees, Plants, etc. Free to our customers.

**FOREST GARDEN**—The tree is a thrifty, upright grower, bears early and regularly, and seldom fails to produce a good crop. Fruit large, nearly round, dull purplish red with thin bloom; flesh yellow, sometimes reddish next to the stone; firm, sweet and of pleasant flavor; elong. Season medium.

**HAWKEYE**—One of the largest and best plums grown in the Northwest. Fruit large, round, oval, thick skin that bears handling; color dull red over yellow; flesh yellow and of prime quality. Tree hardy and vigorous, bears young and reported everywhere as prolific and regular. A profitable market plum, stands shipping well.

**POTTAWATTAMIE**—A splendid large fruited, hardy plum. Tree very hardy, bearing early and annually immense crops. Fruit yellow, overspread with pink and white dots; flesh yellow, luscious. July to August.



Surprise Plum.

# PEARS.

Price: 4 to 5 feet extra select trees, 35c each, 12 for \$3.50.

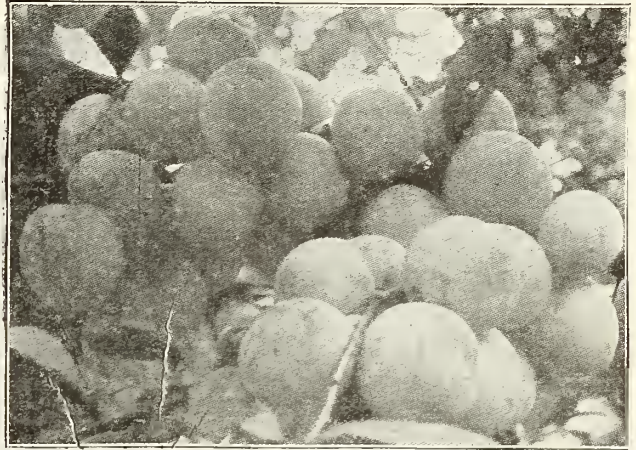
These are not considered hardy here, but should be planted for trial in sheltered and favorable locations as far north as southern Minnesota. The following three varieties are the hardiest and most reliable.

**FLEMISH BEAUTY**—Fruit large, beautiful, very sweet, rich and melting, pale yellow, almost covered with light russet, turning reddish brown when ripe. Tree very hardy, vigorous and fruitful. Succeeds well in most parts of the country, especially recommended for the North and for Montana. Season September to October.

**KIEFFER**—Very profitable market sort on account of its good shipping and keeping qualities. A favorite for canning and preserving. Fruit large, rich golden yellow. Tree is a vigorous grower, an early and prolific bearer, resisting blight to a very large degree. Most planted of any variety in the Northwest; does well in Kansas, Oklahoma and Texas. Season October to November.

**VERMONT BEAUTY**—A most desirable pear. The fruit is of medium size, very handsome, being yellow with a bright carmine cheek; the flesh is rich, juicy, aromatic, of the best quality. Tree hardy and a vigorous grower. Season September to October.

**SPECIAL OFFER**—We will furnish 1 tree of each variety for 90c.



Compass Cherry. (See page 102.)

# PEACHES.

Price for 1 year old, budded trees, 4 to 5 feet high, each 30c, 12 for \$3.00.

While we are not able to grow peach trees to bearing size in Minnesota, our climate is especially favorable during growing season to produce stocky and healthy trees. We list the 3 hardiest varieties.

**BOKARA NO. 3**—Raised from seed received from Bokara, Asia. The hardiest peach known. Has been in bearing for several years in Central Iowa, and produced fruit after 28 degrees below zero. Fruit measures over seven inches in circumference. Yellow with red cheek; skin tough; flesh of good quality; perfect freestone. Ripens about September 1st to 10th.

**CROSBY**—Medium size, roundish, with a distinct seam on blossom end; skin light greenish yellow and very downy; flesh bright yellow and rather firm; tree of rather dwarfish habit. Has won special favor on account of great hardiness. Freestone. Ripens in September.

**CRAWFORD'S EARLY**—This beautiful yellow peach is highly esteemed for market purposes. Fruit very large, oblong; skin yellow with fine red cheek; flesh yellow, juicy, sweet and excellent; productive; freestone. Ripens in August.

**SPECIAL OFFER**—We will furnish one tree of each variety for 75c.

# Buffalo Berry.

The fruit of the Buffalo Berry resembles small currants, is round, smooth and glossy, of a beautiful red color. The berries ripen in July and literally cover the twigs and branches, and will hang on the bush until nearly spring. They make excellent preserves, jellies and butter, and are also much used for pies and tarts, and for making wine. The tree is hardy anywhere, and a constant and prolific bearer, and is well worth cultivating for ornamental purposes alone. Plant the Buffalo Berry for a winter berry, as they are a most delicious fruit. Price: Extra strong transplanted trees, 2 to 3 feet high, 25c each, 12 for \$2.50, 25 for \$4.50, 100 for \$15.00.



Buffalo Berry.

# Hardy Improved Russian Mulberry.

The tree is very hardy, stood 40 degrees below zero and bore a crop of berries the next season; an annual and abundant bearer. The fruit is from white to pink and some black in color, and from very sweet to quite tart in taste. Canned with gooseberries or rhubarb they make a good sauce, relished by most everybody. Poultry raisers should plant largely of this tree near the poultry house or yard as they will soon make a nice shady place for the chickens, and the berries are much relished by the fowls and are very healthful. The wood is very valuable for fence posts, lasting for 20 years in the ground. They also make a pretty hedge if planted about ten inches to one foot apart, and kept well pruned for first few years. Owing to the favorable growing weather for mulberries the past season, our seedlings are exceptionally strong and stocky plants. Price as follows:

6 to 12 inches, 1 year seedlings, 100 for 45c, 1000 for \$3.00.  
12 to 18 inches, 1 year seedlings, 100 for 65c, 1000 for \$5.00.

PRICE PREPAID BY MAIL:

6 to 12 inches, 1 year seedlings, 100 for 65c.  
12 to 18 inches, 1 year seedlings, 100 for \$1.00.

EXTRA STRONG WELL BRANCHED TREES:

3 to 4 feet, each 15c, 12 for \$1.50, 100 for \$9.50.  
4 to 5 feet, each 25c, 12 for \$2.50, 100 for \$14.00.  
5 to 6 feet, each 35c, 12 for \$3.50.

Received shipment April 30th, and are very well pleased with the trees, the box opened up in fine shape, everything moist and damp, and well packed.  
J. C. KONGSBACK, West Bend, Iowa.

# High Bush Cranberry.

Hardy in the North and Sun Proof in the South.

A very hardy and attractive shrub, with beautiful, rich dark green foliage and large clusters of pure white flowers in early summer; these are followed by large berries which turn a rich deep scarlet in autumn. The berries are not only very showy and ornamental, but are also of great value for making jelly and preserves, the flavor being somewhat similar to that of the common cranberry. This variety thrives anywhere and should be planted extensively. Price: Strong, well branched, transplanted plants, 18 to 24 inches high, 20c each, 12 for \$2.00, 25 for \$4.00, 100 for \$14.00.— 2 to 3 feet, each 35c, 12 for \$3.00, not prepaid.— Mailing size, 15c each, 12 for \$1.50, postpaid.

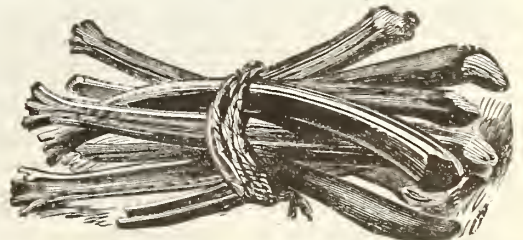
# Rhubarb or Pie Plant.

Also called Wine Plant. This plant affords the earliest material in the spring for pies and tarts. Invaluable for canning and wine. Can be set out either in spring or fall. Will grow in any good garden soil. Plant in rows four feet apart, and the plants 3 feet apart. Set the roots so that the crowns are about an inch below the surface.

**LINNAEUS**—The standard variety. Early and tender. Price: By mail, each 15c, 3 for 35c, 12 for \$1.00, postpaid.— Extra strong 2 year old plants, each 10c, 12 for 80c, not prepaid.

**VICTORIA GIANT**—Stalks very large, of excellent quality. Price same as above.

**RED WINE or DELICACY**—On account of the beautiful bright crimson color of the flesh and the sauce made from it this variety is highly recommended. Price: By mail, each 20c, 3 for 50c, 6 for 90c, postpaid.



Rhubarb or Pie Plant.



Russian Mulberry.

# HARDY GRAPE VINES.



Moore's Diamond.

Moore's Early.

**F. S. & N. CO'S BETA—Black.** The hardiest of all grapes, will stand our northern winters without protection. This splendid variety was introduced by the Minnesota Experiment Station, and is the hardiest of all grapes, withstanding our severe northern winters without protection. The plant is a strong, vigorous grower and bears fruit abundantly. The bunches are long, with small shoulder; berries of medium size, jet black, of peculiar aromatic flavor. Splendid for wine, jellies, etc. Ripens about first of September. Most desirable of all grapes for covering arbors, often making a growth of 15 to 20 feet in one season. Everyone in the northern states should plant a few Beta Grape vines as they can be grown anywhere with practically no care whatever. **Price: Strong 1 year plants, each 20c, 12 for \$2.00, 100 for \$15.00, not prepaid.—By mail, each 25c, 12 for \$2.35, prepaid.**

**CAMPBELL'S EARLY—Black.** A fine variety that cannot be too highly recommended. Of strong, vigorous growth, very hardy, foliage perfectly healthy; very early and abundant bearer. The berries are large, nearly round, dark blue, skin thick and tough, making it a good shipper; flesh sweet, with slight aroma. The bunches are always large and beautiful. Will keep on or off the vine several weeks, after fully ripened. An excellent dessert grape and early market variety. **Price: Best 2 year old plants, each 20c, 12 for \$2.00, 25 for \$3.75, 100 for \$12.00, not prepaid.**

**MOORE'S EARLY—Black, with heavy blue bloom.** This variety we recommend especially to our northwestern orchardists and farmers. It is considered the best market variety in the grape growing districts of Minnesota, always yielding well and fruit selling at top prices. The bunches are of medium size, rarely shouldered. Berries large, round, of excellent quality. Desirable for market on account of its earliness. Berries larger than Concord, very much like it in flavor, and of the same good quality. Vine a moderate grower, very healthy and hardy; foliage thick and leathery. Ripens so early as to be nearly out of market before Concord is ripe. Well suited to Canada and northern portions of the United States by its hardiness. **Price: Best 2 year old plants, each 15c, 12 for \$1.25, 25 for \$2.25, 100 for \$7.75, not prepaid.**

**NIAGARA—White.** Home and market growers seem to agree that this is the most valuable of all the white grapes. Its clusters are large and handsome, compactly filled with large berries, having thin but tough skin. When fully ripe they are a fine pale yellow, with a thin white bloom. The flesh is slightly pulpy, tender, sweet and delightful, with a flavor and aroma peculiarly its own, and agreeable to most tastes. Vine is remarkably vigorous and productive. Foliage thick and leathery. Succeeds well in both North and South. Ripens with Concord. **Price: Best 2 year old plants, each 15c, 12 for \$1.25, 25 for \$2.00, 100 for \$7.00, not prepaid.**

**WORDEN—Black.** Bunch large, sometimes shouldered, compact; berries very large, skin thin. Superior to the Concord in the following points: It is better in quality, has a larger berry, a more compact and handsome cluster and ripens five to ten days earlier. It fully equals Concord in vigor, health and productiveness. In berry it is about the size of Moore's Early, but of better quality, more vigorous and productive, and ripens but little later. We recommend it strongly. It is perhaps not quite so good a shipper as Concord, but nevertheless a very good market sort. **Price: Best 2 year old plants, each 15c, 12 for \$1.25, 25 for \$2.00, 100 for \$7.00, not prepaid.**

By Parcel Post prepaid we will send strong, one year old plants at above prices.

## NEW HORSE RADISH—"MALINER KREN".

This splendid new sort originated in Bohemia and was introduced in the United States by the Department of Agriculture. It is a much earlier and better producer than the common horse radish. The roots grow considerably larger, are of nice white color and the quality is superior. It will pay all growers to plant "Maliner Kren".

Price by mail: 12 for 30c, 50 for 85c, prepaid.—Not prepaid: 100 for \$1.35.

The varieties listed are the hardiest and most reliable in cultivation. Our grape vines are carefully grown stock with splendid roots. A grape vine plantation is easily taken care of and in a commercial way no fruit crop shows greater returns on the investment.

The grape is one of the best and healthiest fruits we have. Grows in most any kind of soil that is not wet, any side hill will do for a vineyard. Those who have only a lot or two or a small garden, can plant them alongside a building or fence. They will take up very little room, and if properly taken care of, will bear an abundance of fruit almost every year. They make a splendid screen for unsightly buildings, or can be trained over walls and fences, repaying many times over, with healthful and refreshing fruit, their small cost and care. If the vines are put down on the ground in the fall and covered with a few shovelsful of earth they will stand a severe climate.

The plants should be set in a slanting position to facilitate winter covering. Plant in rows eight feet apart each way. Prune the plants in the fall, cutting back the laterals to 2 or 3 eyes, this will give enough wood for the new fruiting growth to come from.

For covering arbors and porches the new Beta Grape can be especially recommended.

**CONCORD—Black.** The well known fine old market sort, which is so largely planted in all sections, being decidedly the most popular grape in America. Large, handsome bunches of large, luscious berries, covered with a rich bloom. Skin tender but firm, making it a good shipper; flesh juicy, sweet and tender. Vine a strong, healthy grower, very hardy and productive. For general cultivation the most reliable variety, succeeding well over a great extent of our country. **Price: Best 2 year old plants, each 10c, 12 for \$1.00, 25 for \$1.85, 100 for \$6.00, not prepaid.**

**DELAWARE—Red.** Holds its own as one of the finest grapes. Bunches small, compact, shouldered. Berries rather small, round. Skin thin, light red. Flesh very juicy, without any hard pulp, with an exceedingly sweet, spicy flavor. Vines moderately vigorous, very hardy and productive. Should be planted in every garden and vineyard. Ripens early and is a good keeper. **Price: Best 2 year old plants, each 15c, 12 for \$1.35, 25 for \$2.50, 100 for \$9.00, not prepaid.**

**BRIGHTON—Red.** Bunches and berries large, dark red color, fine rich flavor, juicy and sugary. Almost a seedless pulp, quality very fine. Extremely hardy, bears abundantly and stands the heat of summer well. Ripens extra early. **Price: Best 2 year old plants, each 15c, 12 for \$1.35, 25 for \$2.35, 100 for \$8.00, not prepaid.**

**MOORE'S DIAMOND—White.** A seedling of the Concord, partaking of all its good qualities. Of a beautiful greenish-white color, without any of the yellow spots so common with white grapes. Berries are large, sweet, and of as good a quality as some of the more delicate varieties. It is as hardy as the Concord, a profuse bearer, and in all one of the best sorts. Ripens early, a few days before the Concord. Very hardy. **Price: Best 2 year old plants, each 15c, 12 for \$1.25, 25 for \$2.25, 100 for \$7.75, not prepaid.**



Beta.

# RASPBERRIES.

Raspberries are easily cared for, the fruit is always in demand and brings higher prices than most any other crop. Will do well in any good soil. Plant in rows 5 to 6 feet apart and about 3 feet apart in the row. Cultivate well and keep weeds out.

We plant every year a block of Raspberries on new soil, this enables us to keep our plants clean, healthy and free from insects and fungal diseases. For the extreme North we recommend **Herbert, Sunbeam and Cumberland**.

**NOTICE:** We recommend to plant the transplanted plants for best results, only experienced growers will succeed with the sucker plants.

## NEW VARIETIES OF MERIT.

**"ST. REGIS" EVERBEARING RASPBERRY**—Also called "Early till Late." The only raspberry known that will yield a crop of fruit the first season planted. Awarded a certificate of merit by the American Institute of New York. Yields fine fruits for four months in succession. Fruit of finest quality, large size and brilliant crimson color. Our stock is extra fine this year and will please you.

The originator of this new and wonderful variety gives the following description: "Raspberries for four months," that is what you get when you plant St. Regis, the highest in grade, in size, in brilliancy of color, in firmness and in flavor. Its iron-clad hardiness is certainly a wonder and its foliage never suffers by sunburn or scald. The fruit is large, of a beautiful rich crimson color when ripe, rich in sugar, and will stand shipping better than any other variety we know of. It is the earliest raspberry to ripen, and gives a crop of berries all summer and autumn. It succeeds well on all soils. Price: Each 15c, 12 for \$1.50, 100 for \$8.00, not prepaid.—Price by mail: Each 20c, 3 for 50c, 12 for \$1.75, postpaid. Sucker Plants, 100 for \$4.50, 1000 for \$40.00, not prepaid.

**"HERBERT"**—The hardy Canadian Raspberry. A very large red raspberry, extremely hardy and enormously productive. A chance seedling, originated at Ottawa, Canada. The fruits are of the largest size, obtusely conical, bright to rather deep red, firm, sweet and sub-acid, sprightly juicy and of fine flavor. Does especially well on heavy soil and in localities where other varieties fail. Price for transplanted plants: Each 10c, 12 for \$1.00, 25 for \$1.85, 100 for \$6.75, not prepaid.—Price by mail: Each 15c, 3 for 40c, 12 for \$1.25, 25 for \$2.25, postpaid.



Cumberland Black Cap.

**F. S. & N. CO'S SUNBEAM**—A valuable variety for the Northwest. Originated by Prof. Hansen of South Dakota. The plant is very hardy and productive and has distinct, heavy foliage. Fruit medium size, bright red, and of excellent quality. Long bearing season. This berry should be planted extensively in the prairie states. Of the Sunbeam we have only Sucker Plants to offer this season. Price: Each 10c, 12 for 90c, 25 for \$1.50, 100 for \$5.25, not prepaid.—Price by mail: Each 15c, 3 for 40c, 12 for \$1.25, 25 for \$2.00, postpaid.

## RELIABLE STANDARD RED VARIETIES.

Price of the following varieties, transplanted plants: Each 6c, 12 for 60c, 25 for \$1.00, 100 for \$3.50, 500 for \$15.00, 1000 for \$25.00, not prepaid.—Price by mail: Each 10c, 3 for 25c, 12 for 75c, 25 for \$1.50, postpaid. Sucker Plants, 100 for \$2.00, 1000 for \$15.00, not prepaid.

**F. S. & N. CO'S KING**—This variety was introduced a few years ago and is now considered by nearly all the large fruit growers of the Northwest one of the best all around red raspberries. The plant is a strong grower with clean, healthy foliage. Early and productive. The fruits are large, firm, of a rich color and fine quality. A very reliable variety. Is very hardy, standing cold and heat where many others fail.

**CUTHBERT**—An old and reliable market sort. Berries very large, firm, good shipper. Flavor is fine, rich and luscious. The best late red sort. Plant is a strong grower and wonderfully productive, but not very hardy in northern Minnesota and the Dakotas.

**LOUDON**—A strong, compact grower, very hardy, and one of the heaviest yielders. Fruit very large, of a rich dark crimson color, juicy and of fine flavor, firm and one of the best shipping varieties.

**MILLER**—A thoroly reliable variety, very hardy, thrifty and productive; an early, firm and bright red berry that is a favorite in many sections as a commercial sort. Will often produce a heavy crop on light soil, where other varieties fail.

**THOMPSON**—One of the earliest and best varieties. The plant is very hardy, with canes of robust and upright growth. Fruit of good size, nearly round, bright red in color, juicy, rich and of excellent flavor.

## BLACK AND PURPLE VARIETIES.

There are two kinds of plants of this class of raspberries, the one year old tips with very tender roots, and the transplanted plants with strong woody roots. The one year old tips are difficult to make grow, when they have to be handled much and shipped any distance; in many instances a large percentage of them die in transplanting. We offer splendid strong transplants at very reasonable prices, and our customers will find them satisfactory in every respect.—Write for prices on rooted tips.

Price of the following five varieties, strong, transplanted plants: Each 7c, 12 for 65c, 25 for \$1.25, 100 for \$4.00, 500 for \$17.50, 1000 for \$30.00, not prepaid.—Price by mail: Each 10c, 12 for \$1.00, 25 for \$2.00, postpaid.

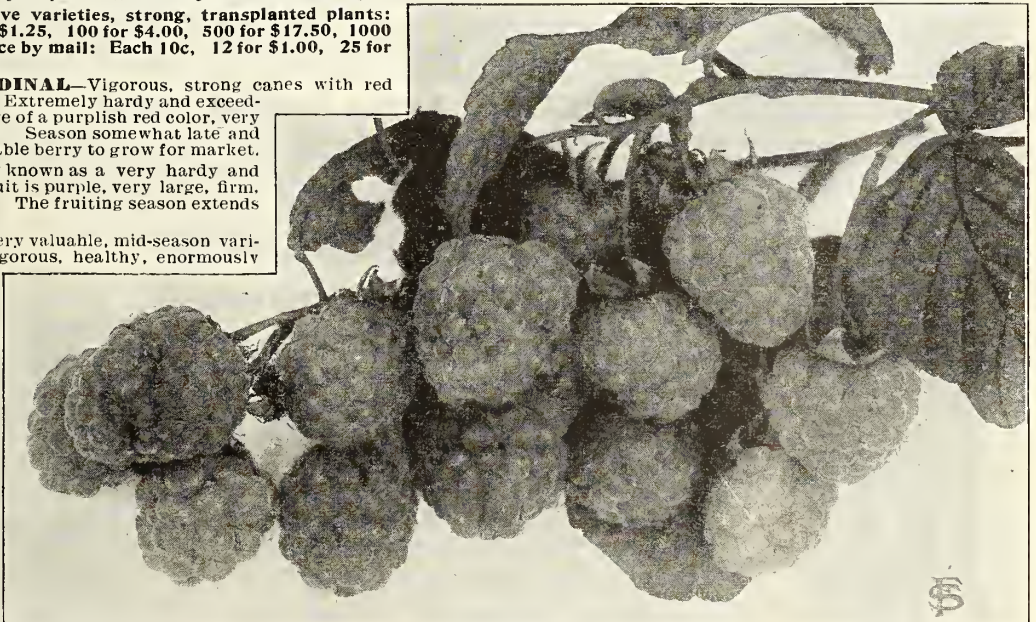
**F. S. & N. CO'S CARDINAL**—Vigorous, strong canes with red bark and very hardy wood. Extremely hardy and exceedingly productive. Berries are of a purplish red color, very firm, with a pure, rich flavor. Season somewhat late and they hold on well. A profitable berry to grow for market.

**COLUMBIAN**—Widely known as a very hardy and productive variety. The fruit is purple, very large, firm, juicy and of delicious flavor. The fruiting season extends from July 10th to Aug. 15th.

**CUMBERLAND**—A very valuable, mid-season variety, entirely hardy, very vigorous, healthy, enormously productive and remarkably free from insect pest. Fruits are the largest of the black varieties, are firm and of splendid quality.

**KANSAS**—One of the best early sorts, withstanding extreme drouth and cold, bearing immense crops; handsome, firm berries of excellent quality.

**PLUM FARMER**—This is the largest, most productive and most desirable blackcap in cultivation. The berries are very large, sometimes an inch in diameter, of excellent flavor, firm, thick and meaty. Good for home use, canning or shipping. Ripens very early and evenly. Absolutely hardy.



Herbert Raspberry.

# BLACKBERRIES.

Plant in rows 5 to 6 feet apart and 3 feet apart in the rows. To keep the bed in good, productive condition, the old, weak and dead wood should be cut out every season and in spring the weakest suckers should also be removed, leaving only 4 to 5 strong ones in each hill. Cover with earth in winter, bending the canes at the roots. The plants do best on sandy loam soil, and with little care they yield very abundantly and always find a ready market at good prices.

**NOTICE**—All our Blackberry and Dewberry plants are large, transplanted plants, and should not be confounded with sucker plants, which generally have very poor roots; the latter can naturally be sold for about half of the price of transplanted stock.

**NEW HARDY TARTARIAN**—Of special value for planting in the northern states on account of its extreme hardiness. The fruit is above medium in size, extra fine quality, sweet, rich and melting, with practically no core. The berries are brilliant black, retaining their beautiful color thruout the season and are produced in large clusters. The canes are strong, with healthy foliage, free from rust and bear heavy crops of fruit annually. The bearing season is such an extended one that the Tartarian Blackberry may be called an everbearing variety. Splendid for market and home use, it is excellent for canning and preserving. **Price: Strong, transplanted plants, 12 for \$5.00, 100 for \$38.00, not prepaid.—By mail, each 50c, postpaid.**

**Price of following varieties: Strong, transplanted plants, 12 for 60c, 25 for \$1.00, 100 for \$3.50, 1000 for \$25.00, not prepaid.**  
**We furnish 6 plants at dozen rate, 50 at 100 rate.**  
**Price by mail, postpaid: Each 10c, 3 for 25c, 12 for 85c.**

**ANCIENT BRITON**—One of the hardiest. A reliable market variety of medium size and of the best quality. Berries large and sweet. Sells well on the market and is a very profitable variety. It is one of the best known and most planted varieties in the North Central States.

**BLACK DIAMOND**—Canes are vigorous and hardy. The fruit is very large, sometimes 1½ inches in length, glossy black, sweet, rich and without hard core. An excellent variety for the market as well as for home use. An annual and heavy bearer.

**MERSEFAU**—An early ripening, extremely hardy, extra large fruited sort. Berries are sparkling thruout and remain black under all conditions and circumstances. In quality it is exceptionally sweet, rich, melting and luscious, being without core. As a shipper and keeper it is unsurpassed. The canes are of exceedingly strong, upright habit. Foliage large, abundant and entirely free from rust or blight. Its yield is simply enormous.

**SNYDER**—This is one of the best blackberries for market in the North and very hardy. The canes are vigorous and annually productive. The berries are medium in size, very sweet, juicy and of fine flavor. It also lacks the hard core found in many of the other varieties. A berry of good shipping qualities.

**STONE'S HARDY**—For the northern sections of Minnesota and similar latitudes this variety is especially adapted. The canes are upright, very vigorous and exceptionally hardy. The berries are of medium size, juicy, sweet and of fine flavor and good quality. For market as well as home use. Stone's Hardy is a dependable sort.

# DEWBERRIES.

A variety of blackberry that trails on the ground. In size and quality the fruit excels the blackberry; very profuse bearer and reasonably hardy. Vines should be covered with straw or earth over winter in cold climates. The dewberry is highly prized as a market fruit, owing to its large size and fine quality.

**Price of the following varieties: Strong, transplanted plants, 12 for 60c, 25 for \$1.00, 100 for \$3.50, not prepaid.**

**Price by mail: Each 10c, 3 for 25c, 12 for 85c, postpaid.**

**AUSTIN**—A new variety, but has been thoroly tested and is giving good results. The fruit is larger than that of the Lucretia and about a week earlier. The foliage is robust and healthy, not inclined to sun-burn. A very valuable novelty, well worthy a trial in your garden



Ancient Briton Blackberry.

**LUCRETIA**—It is a strong grower and exceedingly productive. One of the most widely planted of the dewberries and considered the hardiest. The fruit is large, luscious, highly flavored and handsome, glossy, shining black, and ripens from the first to the middle of July.

## DWARF JUNE BERRY, Large Fruited.

The berry for the extreme North and South. Very hardy, enduring the coldest winters as well as the hottest summers without injury. It forms dense bushes and begins bearing fruit when quite young, often producing several quarts of fruit from one bush and is very regular in bearing, producing good crops annually. The fruit is very sweet, of excellent flavor, and of a reddish purple color, changing to bluish black when fully ripe. Valuable for canning and makes splendid pies. Every garden should contain at least a dozen bushes of this remarkable Juneberry. **Price: Extra strong, transplanted plants, 2 to 3 feet high, each 20c, 12 for \$1.75, 25 for \$3.25, 100 for \$12.00, not prepaid.—Price by mail: Smaller plants, each 15c, 3 for 40c, 12 for \$1.50, 25 for \$2.75, 100 for \$10.00, postpaid.**

## STRAWBERRY—RASPBERRY.

This wonderful berry does well in most localities. It prefers a rather moist soil, and produces an abundance of fruit on the young shoots, which grow 12 to 18 inches high. The plant is very prolific and will generally produce nearly a full crop the first season. The fruit is very beautiful, of large size and a rich crimson scarlet color, resembling a strawberry in some points and a raspberry in others. It makes delicious jellies, jams and tarts. Should not be picked until thoroly ripe. **Price: By mail, each 10c, 3 for 25c, 6 for 45c, 12 for 80c, postpaid.**

## HORSE RADISH ROOTS.

This popular condiment is very easily produced in the home garden and anyone who has compared the freshly dug article with that sold over counters, can appreciate the value of good home grown horse radish. A half dozen roots will provide the ordinary family and as it spreads quite rapidly, the source of supply is easily maintained. We furnish strong roots, not pieces. **Price: By mail, 6 for 15c, 12 for 25c, 25 for 45c, postpaid.—Extra large roots, 12 for 25c, 25 for 40c, 100 for \$1.25, 1000 for \$9.00, not prepaid.**



Horse Radish.



IMPROVED JUNE BERRY.

# CURRENTS.



Perfection Currant.

Currants are very hardy, easily cultivated, do well most anywhere and in any soil, and will stand more neglect than any other fruit. They ripen just before the raspberries and are very profitable for the market. One experienced fruit grower writes: "I make more money from an acre of currants than from any other small fruit I grow". When currants are grown on a larger scale for market, set the plants 4 feet apart, cultivate well, keep free from weeds and insects every fall, to secure best results. We furnish 6 plants at dozen rate, 50 at 100 rate.

**F. S. & N. CO'S NORWAY** — Originated in Vald, Norway. It is a vigorous grower and an extremely heavy bearer. The bush looks much like the Long Bunch Holland, but the fruit is much larger than that of any American sort, 1 1/2 to 2 inches in diameter, and has a pleasant, subacid flavor. This is the hardest currant we know of, and will prove of great value for planting in the extreme North where the ordinary varieties fail to make good and set fruit. As it so readily stands drought extremely well, this splendid currant is well suited for the western states. Price for extra strong selected 2 year old plants, not prepaid: Each 25c, 12 for \$2.50, 25 for \$4.50. Price for strong 1 year old plants, by mail: Each 20c, 12 for \$2.00, postpaid.

**PERFECTION** This is a new variety was originated by Chas. G. H. of Rochester, by crossing the Fay's Prolific with the White Grape Currant, with the view of combining the large size and color of the Fay with the good quality and productivity of the White Grape. The color is a beautiful scarlet, as large or larger than Fay, the clusters average 4 to 5 inches. The Perfection has a long stem, making it easy to pick, without crushing any of the berries. The fruit is of fine quality, of rich and flavor, suitable for a plenty of pulp with few seeds. Less acid and more sugar than any other.

large currant in cultivation. Price for extra strong, selected 2 year old plants, not prepaid, each 25c, 12 for \$2.50, 25 for \$4.50, 100 for \$15.00. — Price for strong 1 year old plants, by mail: Each 20c, 12 for \$2.25, postpaid.

## TWELVE HARDY, RELIABLE AND PROFITABLE CURRENTS.

Price of the following twelve Currants: Strong 2 year old No. 1 plants, not prepaid, each 15c, 12 for \$1.50, 25 for \$2.75, 100 for \$8.25, 500 for \$35.00, 1000 for \$60.00. — Price for strong 1 year old plants, by mail, each 15c, 12 for \$1.50, 25 for \$2.75, postpaid.

### Red Varieties.

**CHERRY** — Berries very large, sometimes measuring 1/2 inch in diameter. A strong grower and must have been cultivated in the West. **FAY'S PROLIFIC** — Has been widely planted, and has given general satisfaction. Fruit very large, bright red, and of excellent flavor, less acid than Cherry. It has a long stem, which admits rapid picking, and is enormously productive. Bunches long, 6 to 8 inches long, and equally valuable for home use.

**LONDON MARKET** — Popular variety in the Michigan fruit sections. The fruit is of good size, bright red, with a strong, pleasant flavor. Bush is vigorous, upright, strong grower. Very productive.

**LONG BUNCH HOLLAND** — The best of the late red sorts, ripens after others and gives a very good quality. Vigorous and productive; the clusters are long and the berries of large size and brilliant color.

**NORTH STAR** — Very hardy and vigorous. The bunches average four inches in length. Berries of good size, bright red, and of extra good quality. A great producer.

**RED CROSS** — A fine red currant, with long clusters, and berries of large size and mild, pleasant flavor. A vigorous grower and very productive. A good commercial sort.

**VICTORIA** — Bunches long; berries large, of a bright red color and excellent quality. Bush is a good grower, extremely hardy.

### Black Varieties.

**BLACK CHAMPION** — Very productive, large bunch and berry, excellent quality, strong grower. **BLACK NAPLES** — Desirable sort for general cultivation. Bush vigorous and productive, extremely hardy. Fruit large, acid, of fine flavor. Well known and largely planted kind.

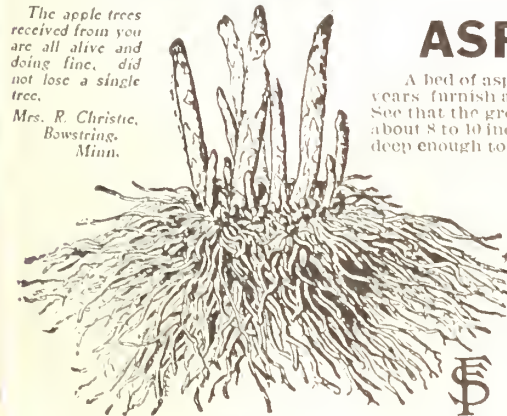
**LEE'S PROLIFIC** — An old and always popular English variety. The bush is short, robust and enormously productive; berries are large, acid and of good quality for cooking; one of the hardest.

### White Varieties.

**WHITE DUTCH** — Well known white variety of excellent quality. This is an old standard sort that has given very good satisfaction everywhere. Bush hardy, productive; berries medium size.

**WHITE GRAPE** — The best white currant. Bunches are large and full, berries large, sweet, of beautiful translucent white; of mild, superior quality; fine for table. Bush grows quite vigorous and produces large crops.

The apple trees received from you are all alive and doing fine, did not lose a single tree.  
Mrs. R. Christie,  
Bowstring,  
Minn.



Asparagus Roots.

## ASPARAGUS ROOTS.

A bed of asparagus in the garden properly attended to, will for many years furnish an abundance of the finest vegetable in the early spring. See that the ground is kept clean and well manured every fall. Plant about 8 to 10 inches apart in the row, and the rows 3 to 3 1/2 feet apart. Plant deep enough to permit the crowns to be covered about 3 to 4 inches with good, rich, mellow soil. We recommend the one year old roots for planting new beds, they generally give best results. Where old beds are to be filled out plant two year old roots.

Price: Strong, selected 1 year old roots, 12 for 15c, 25 for 25c, 100 for 75c, 500 for \$3.00, 1000 for \$5.00, not prepaid. By mail postpaid: 12 for 25c, 25 for 40c, 100 for \$1.25.

Strong 2 year old roots, 12 for 25c, 25 for 40c, 100 for \$1.25, 1000 for \$7.00, not prepaid. — By mail postpaid, 12 for 35c, 25 for 60c, 100 for \$1.75.

**COLUMBIAN MAMMOTH WHITE** — A distinct variety with pure white shoots which remain white as long as fit for use.

**CONOVER'S COLOSSAL** — A well tried, standard variety of large size, quick growth and excellent quality.

**EARLY GIANT ARGENTEUH**. This variety deserves the attention of both of gardeners and private planters, for the mammoth sort and the earliest variety in existence.



Norway Currant.

# STRAWBERRIES.

The Strawberry is the favorite fruit of every home and may be successfully grown in any soil adapted to the growth of ordinary field or garden crops. For field culture plant in rows 3/2 feet apart, 18 inches apart in the rows; for garden culture 18 inches apart each way, leaving a pathway every third row. After the ground is frozen in fall cover lightly with leaves or straw. Remove covering early in spring when plants begin to grow. Before the fruit begins to ripen, mulch the ground around the plants with short hay or straw. This will not only keep the fruit clean, but will prevent the ground from drying or baking and thus lengthens the fruiting season.

As soon as the plants arrive, cut the bunches open and place them in some receptacle with water, so that the roots only will become wet. Care should be taken to set the plants the right depth and not too deep or too shallow. Set plants so the crown is at the surface.

The varieties marked "P" have perfect flowers and will produce fruit abundantly without being mixed with other varieties. Varieties marked "Imp" have imperfect flowers and cannot produce much fruit unless properly mixed with a perfect variety. Some imperfect varieties will often produce enormous crops of magnificent berries if planted alongside a perfect variety.

## New Varieties Of Great Merit.

**LADY CORNEILLE.** The Wonderful New Strawberry.—**Imp—(Medium).** This new berry has more good qualities than ever before combined in any one berry. It is destined to become one of the leading strawberries for all northern and western states. It is better than the Senator Dunlap, which is saying a great deal. Lady Corneille is the healthiest and best growing plant with glossy foliage, absolutely free from rust or leaf spot; large, strong, robust plants, with-standing drought well and thriving splendidly in both light and heavy soils. Berries large, somewhat wedge-shaped, of rich, glossy red color. Quality the best of all berries, sweet and rich. Very firm, holding up much longer than the Dunlap, a splendid shipper. Another feature in which Lady Corneille excels, is its great productiveness, many plants have up to 125 buds, blooms and berries. It is by all odds the best, medium season strawberry for northern sections. Price: 25 for 60c, 100 for \$1.75, 1000 for \$9.00, prepaid.



Lady Corneille.

We ship Strawberry Plants by express or mail only, and we pay the charges, and guarantee safe arrival.

**CHESAPEAKE—P—(Late).** A late sort of great merit, producing good heavy crops on any land that will grow strawberries. The fruit is of good size, always uniform, rich dark red in color, very firm and of delicious flavor. Berries are all of marketable size, practically no small fruits at all and green-tips are unknown in the Chesapeake. Plants are large, vigorous, rustless, with thick, upright foliage; leaves are almost round. A very fine market sort, standing long distance shipping well. Exceedingly productive. Price: 25 for 60c, 100 for \$1.75, 1000 for \$8.50.

**OZARK—P—(Extra Early).** Ozark is now recognized the country over as one of the best of the extra early varieties. In fact, its fruit is as finely matured, as beautiful in form and color and the berries are as large as are our leading medium and late varieties. It ripens extremely early and is as early as the Excelsior and as beautiful in form and as sweet as the popular late Aroma. Added to these qualities are its great prolificness and exceedingly firm texture, making it an ideal variety for the commercial grower. Price: 25 for 60c, 100 for \$1.75, 1000 for \$8.50, prepaid.

## Standard Sorts Of Strawberries.

Price for all varieties, 25 for 50c, 100 for \$1.25, 500 for \$4.25, 1000 for \$7.00, prepaid. Not less than 25 plants furnished of any variety.

**AROMA—P—(Late).** One of the best late ripening varieties. It is planted extensively in the North as well as the South, and seems to be suited to all localities. The berries are very large and bright red to the center. The flavor of the fruit is rich and deliciously aromatic; the flesh solid and smooth. A firm berry which makes an ideal shipper. As a pollenizer for late imperfect sorts it is unexcelled.

**BEDERWOOD—P—(Early).** A popular variety among market growers; the berries are medium sized, of delicate crimson color, and delicious flavor. A heavy yielder, famous for its long bearing season and one of the best to plant with imperfect blossom sorts.

**BRANDY WINE—P—(Late).** A fancy market variety with deep red fruit; flesh firm and red all thru; flavor very delicious. The plant roots deep, enabling it to endure more dry weather than most varieties. Productiveness above the average; thrives in any soil.

**BUBACH—Imp—(Medium).** Well known standard variety. Berries very large and uniform in size, rich in color and quality. Plant strong, a heavy bearer and great drought resister.

**CRESCENT—Imp—(Early).** The standard of productiveness all over the country, succeeds everywhere, stands neglect best of any; plant small, berries fair size, bright and attractive. Many growers consider this the most profitable berry for market.

**HAVERLAND—Imp—(Medium).** Splendid mid-season berry, extremely hardy and unusually productive. Berries medium to large, conical, smooth, of uniform size.



Aroma.

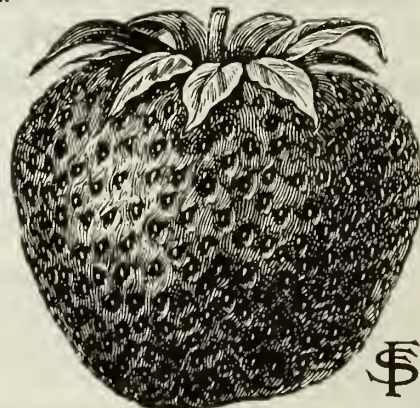
**GANDY—P—(Late).** One of the best long-keeping and shipping varieties. The berry is of a rich, bright red color and delicious flavor. Ripens extremely late, being full of fruit when other late bearers have finished their season, and its berries always bring the top price of the season. Gives its best yields on heavy clay soils. Plant with Aroma for best results.

**MICHEL'S EARLY—P—(Extra Early).** A well known, standard sort. Berry medium to large, roundish and bright crimson; the meat is deep pink, solid thruout and of good quality. A valuable variety on account of its earliness and productiveness.

**SENATOR DUNLAP—P—(Medium).** The berries are deep red, most attractive, of great uniformity in size and shape and finest quality. Splendid market sort and one of the best for home use. Has no superior as a canning berry. Heavy yielder, a great drought resister and one of the best all-around and most dependable berries. Extensively grown in the Northwest.

**WARFIELD—Imp—(Early).** Well known everywhere for its great productiveness and sweet, heartfully-shaped, glossy, dark red berries, which rich color they keep when canned. Splendid for canning and a fine shipper.

Was more than pleased with trees received from you last year. Every one lived and is growing fine. Enclosed new order. FRANK SIDLO, Menasha, Minn.



Bederwood.



Chesapeake.



# STRAWBERRIES. Continued.

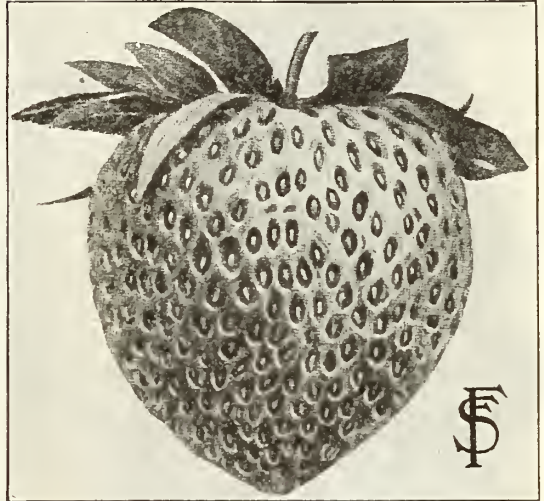
## Everbearing or Fall Bearing Varieties.

**PRIDE OF MINNESOTA—P**—The New Everbearing Strawberry. The hardiest and most productive of this new class of berries. The fruit is large, roundish, of perfect shape, deep red in color, glossy, attractive and smooth, and possesses that highly desired rich aromatic flavor. The plants are of good size, strong growers and winter better than any other kind we have tested. For best results plant in hills and cut the runners. Under ordinary conditions the plants will bear fruit from June until hard freezing weather. If wanted for **fall bearing**, the first blossoms should be picked off, until within 3 or 4 weeks of the time the crop is wanted for market. In this way berries may be had in quantity from August to October in this latitude. Of great merit and highly recommended for market and home garden. The supply of plants is limited. **Price: 6 for 35c, 12 for 60c, 100 for \$3.25, prepaid.**

**PROGRESSIVE—P**—Strong, perfect blossoms; good plant maker and fruits continuously. Extra good about fruiting heavily on new runners the first summer and fall. Berry rather long shape; fine, dark color and good quality. Its extra firmness makes it a good shipper. This variety has well been called the Dunlap of the Everbearers. It is certainly a good variety and worthy of a place in every garden. **Price: 12 for 40c, 100 for \$2.50, 500 for \$10.00, 1000 for \$17.50, prepaid.**

**AMERICUS—P**—A staminate variety of merit. Plant medium size and makes runners freely, they are great drought resisters. Bears a good crop of fruit during summer and fall of first year set, with a big crop the next year at strawberry time. Also a good summer and fall fruiter the second year. Berries are medium to large, very firm, good color and flavor. This variety is very satisfactory. **Price: 12 for 40c, 100 for \$2.50, 500 for \$10.00, 1000 for \$17.50, prepaid.**

**SUPERB—P**—Considered one of the best varieties; a good plant maker and yields well. The plants are strong and hardy. Berries large, glossy, deep red, nearly round, firm and of excellent flavor. Superb will produce as fine berries in the fall as any spring-ripening strawberries. As a June cropper it is hard to beat and if the summer season is not too dry, will yield heavily in Fall. **Price: 12 for 45c, 100 for \$2.75, 500 for \$12.00, 1000 for \$20.00, prepaid.**



Pride of Minnesota Strawberry.

# GOOSEBERRIES.

Gooseberries should be planted more extensively, as they are easily grown and do well on any soil. Plant in rows 6 feet apart and 4 feet apart in the rows; by trimming out all dead wood and all surplus branches and not allowing the bushes to grow too thick, the fruit will be larger and more plentiful. Our stock is all northern grown, hardy, vigorous, well rooted and free from disease, and we sell at no higher price than southern grown stock may be bought for.

## NEW AND VALUABLE VARIETIES.

Price (except Carrie): Strong, selected 2 year old plants, each 25c, 12 for \$2.50, 25 for \$4.50, 100 for \$15.00, 500 for \$70.00, not prepaid.  
 Price by mail: Strong 1 year old plants, each 20c, 3 for 55c, 12 for \$2.00, postpaid.

**E. S. & N. CO'S CARRIE**—Considered the hardiest, healthiest, most productive and best all around gooseberry grown. The plant is a very strong grower, the branches being almost thornless, and this advantage alone is bringing the Carrie Gooseberry into popular favor. The berries are of medium size, light red in color, of fine flavor and excellent quality. The Carrie Gooseberry originated in Minnesota and is the best and most profitable variety for the North. **Price: Strong 2 yr. old plants, each 30c, 12 for \$3.00, 25 for \$5.50, 100 for \$20.00, not prepaid.—By mail: 1 year old plants, each 25c, 12 for \$2.50, postpaid.**

**KEEPSAKE**—An English variety of unusual merit, growing in tree form, of dwarf habit and very productive. The fruits are very large, straw colored, of excellent flavor and unequalled for shipping. One of the earliest to ripen and a sure cropper.

**JOSSELYN OR RED JACKET**—A large, beautiful, bright red berry of most delicious flavor. A vigorous grower, clean, healthy and mildew proof. Has proven everywhere thoroly hardy and enormously productive and can be highly recommended. It is considered the best red fruited gooseberry in cultivation and is grown extensively for market in all sections of the country. It is freest from mildew, both in leaf and fruit, of all large fruited gooseberries.

**PEARL**—A very prolific and vigorous variety, free from mildew. The fruit is large, pale green and of the best quality. This variety deserves a place in every garden on account of its healthfulness, quick growth, freedom from mildew and its great productiveness. Valuable for home use and for market. The Pearl is the most prolific gooseberry known, one bush produced 2500 berries.

## STANDARD VARIETIES.

Price: Strong, selected 2 year old plants, each 15c, 12 for \$1.50, 25 for \$2.75, 100 for \$10.00, 500 for \$47.50, not prepaid.  
 Price by mail: Strong 1 year old plants, each 15c, 3 for 40c, 12 for \$1.50, postpaid.

**DOWNING**—An excellent variety for both home and market use; bush is a vigorous and upright grower, with stiff, strong shoots and heavy foliage; very prolific and free from mildew; fruit medium sized, of pale green color and fine quality. Splendid for dessert, canning and cooking. A very profitable market sort.

**HOUGHTON**—The fruit is medium sized, roundish oval, pale red, sweet and tender. The plants are of spreading habit, slender, enormously productive, very hardy and reliable. We recommend this to all northern planters as one of the best and hardiest American varieties in cultivation.

**CHAMPION**—Bush is a vigorous grower, free from mildew and rust. The fruit ripens early, is round, smooth, greenish white, with a thin, transparent skin; quality excellent.

**MOUNTAIN SEEDLING**—Very hardy; fruit is of medium size, light red; the bush is a very prolific bearer, the branches often bending down on account of the enormous quantity of fruit they bear. A very valuable and rust proof variety that withstands more cold than most other sorts.

**TRANSPARENT**—Popular variety in the North, a strong and vigorous grower, free from mildew. Berries of large size, pale green in color and of superior quality. Ripens medium early.

## FOR TREE GOOSEBERRIES SEE NOVELTY PAGES.



Pearl Gooseberry

The shipment of Trees arrived in good condition. The trees are good and larger than what I expected to get for the money. I also wish to thank you for the extras that you enclosed.

HERMAN WILKES, Fingal, N. Dak.

Your Nursery Stock did fine for me, every one of the Apple and Plum trees grew fine. I never saw trees do so well. Another order herewith.

AUGUST TIMMERMAN, Baxter, Iowa.

Trees and Plants arrived O. K. These are the best I ever received and I have the largest orchard in this vicinity.

ARTHUR L. LOOK, Luverne, Iowa.

# ORNAMENTAL and SHADE TREES.

Our list of trees contains only hardy varieties, which are adapted for the Northwest, and all trees have been raised in our nursery near Faribault; they are well pruned, have good bodies and tops, all have been transplanted and have good fibrous roots. For tree seedlings see page 113.

Prices for all Trees are F. O. B. Faribault. — 6 at dozen rates, 50 at 100 rates.

**Notice:**—On all orders for only 1 or 2 trees 25c extra must be added to cover cost of packing. On larger orders for nursery stock we furnish all packing and boxing free of charge.



American White Ash.

**LARCH, EUROPEAN.** (*Larix*)—A hardy, graceful and very rapid grower, with slender branches of light green, needle-shaped foliage, like that of spruce or hemlock, but it is deciduous. Perfectly hardy and very ornamental. Should be planted early in the spring. 4 to 5 feet, each 60c, 12 for \$6.00. — 5 to 6 feet, each 75c, 12 for \$8.00.

**LINDEN, AMERICAN.** (*Basswood*)—Perfectly hardy everywhere and vigorous in growth, with large, clean, handsome foliage and fragrant flowers. One of the best trees for all shade and ornamental purposes. 4 to 5 feet, each 35c, 12 for \$3.50. — 5 to 6 feet, each 45c, 12 for \$4.50. — 6 to 8 feet, each 75c, 12 for \$8.00.

**LINDEN, EUROPEAN.** (*Tilia Europaea*)—A very fine pyramidal tree, forming in time a symmetrically rounded crown. This tree is a native of Europe, but is very hardy and stands our northwestern climate very well. Very nice specimen trees of this variety can be seen at St. Anthony Park, St. Paul. Price same as American Linden.

**LOCUST, BLACK.** (*Robinia*)—A rapid growing, fine large tree that is desirable on account of its pretty foliage and fragrant flowers. As a grove tree, for fuel or fence posts it is one of the very best; grows as rapidly as the willow and wood is very hard and durable. 3 to 4 feet, each 10c, 12 for \$1.00, 100 for \$7.00. — 4 to 5 feet, each 15c, 12 for \$1.50, 100 for \$13.00. — 5 to 6 ft., each 25c, 12 for \$2.50.

**MAPLE, ASH LEAF OR MANITOBA.**—See Boxelder.

**MAPLE, HARD OR SUGAR.** (*Acer Saccharum*)—A valuable tree for sugar as well as lumber, shade and ornament. It is adaptable to all locations, roots deeply and grows into a symmetrical tree of large proportion. A beautiful and always popular tree, which is of special value for the Northwest, thriving in nearly all soils. The foliage is large and handsome, and of rich, pleasing green, turning to orange yellow and red in autumn. 4 to 5 feet, each 30c, 12 for \$3.00, 100 for \$20.00. — 5 to 6 feet, each 45c, 12 for \$4.50.

**MAPLE, NORWAY.** (*Acer Platanoides*)—Resembles the Sugar Maple in general appearance, but is easily distinguished from it, as the leaves remain green longer than any other maples, and turn a bright yellow in autumn. A very hardy tree of symmetrical growth with large, round heads. 4 to 5 feet, each 30c, 12 for \$3.00, 100 for \$20.00. — 5 to 7 feet, each 45c, 12 for \$4.50.

**MAPLE, SILVER OR SOFT.** (*Acer Dasycarpum*)—A North American species of rapid growth, large size and irregular, rounded form; foliage is bright green above and silvery white beneath. Tree very hardy and easily transplanted. Where immediate shade is required, it is one of the most useful; also a favorite street and park tree. 4 to 5 feet, each 20c, 12 for \$2.00, 100 for \$12.00. — 5 to 6 feet, each 25c, 12 for \$2.50, 100 for \$18.00. — 6 to 8 feet, each 30c, 12 for \$3.00, 100 for \$22.00.

**MAPLE, SCHWEDLERII.** (*Hardy Purple Leaf Maple*)—Beautiful variety, with the young shoots and leaves of a bright purplish or crimson color, which changes to purplish green in the older leaves. A very hardy and choice ornamental tree. Of especially fine appearance in spring, when their gleaming red and purple contrasts brightly with the delicate green of other trees. In autumn the foliage turns golden yellow. 5 to 6 feet, each 65c, 12 for \$6.75. — 6 to 8 feet, each \$1.00, 12 for \$10.00. — 8 to 10 feet, each \$1.25.

**MOUNTAIN ASH, AMERICAN.** (*Sorbus Americana*)—Similar to the European variety, described on next page, but the tree is of coarser growth and foliage, and produces larger and lighter colored berries. 4 to 5 ft., each 25c, 12 for \$2.50. — 5 to 6 ft., each 35c, 12 for \$3.50. — 6 to 8 ft., each 50c, 12 for \$5.00.

**ASH, AMERICAN WHITE.** (*Fraxinus Americana*)—Valuable hardy, native trees of rapid growth, forming straight trunks, broad and oval shaped heads. Desirable for ornamental purposes and also for timber planting. A splendid tree for the Northwest, of very quick growth while young, and resists drought and severe cold well. Of great value for our prairie states, and should be planted more generally. 3 to 4 feet, each 12c, 12 for \$1.00, 100 for \$6.50. — 4 to 5 feet, each 15c, 12 for \$1.25, 100 for \$9.00. — 5 to 6 feet, each 20c, 12 for \$2.00, 100 for \$12.50. — 6 to 8 ft., each 35c, 12 for \$2.75, 100 for \$15.00. — 8 to 10 ft., each 45c, 12 for \$4.00, 100 for \$18.00.

**BIRCH, EUROPEAN WHITE.** (*Betula Alba*)—A graceful tree, with silvery bark and slender branches. Quite erect when young, but after 4 to 5 years' growth, assumes an elegant drooping habit, rendering the tree very effective in landscapes. Very hardy, will grow on the poorest kind of soil, between rocks and in gravel, in fact most anywhere. 4 to 5 feet, each 35c, 12 for \$3.50. — 5 to 6 ft., each 45c, 12 for \$4.50. — 6 to 8 ft., each 65c, 12 for \$6.50.

**BOX ELDER.** *Ash Leaf or Manitoba Maple.* (*Acer Negundo*)—A durable tree, growing rapidly and producing considerable shade in a very short time; mostly used in the West and Northwest, as it withstands both drought and extreme cold. 4 to 5 feet, each 15c, 12 for \$1.25, 100 for \$9.00. — 5 to 6 feet, each 20c, 12 for \$2.00, 100 for \$12.50. — 6 to 8 feet, each 35c, 12 for \$2.75, 100 for \$15.00. — We have a few hundred extra fine, large transplanted trees, 8 to 10 feet high, with fine shaped and well branched tops, each 75c, 12 for \$7.50.

**CATALPA, SPECIOSA.** (*Hardy Catalpa*)—A very rapid growing lawn and park tree. Leaves are very large, heart-shaped; the flowers, appearing in June, in large panicles, are slender pods, which are of brownish color and hang on the tree all winter. 4 to 5 feet, each 20c, 12 for \$1.75, 100 for \$12.00. — 5 to 6 ft., each 30c, 12 for \$2.75, 100 for \$20.00.

**COTTONWOOD.** (*Populus Deltoides*)—Has long been a popular tree in the western states, particularly in the prairie sections. It is probably the best known and most planted of all poplars. Its greatest value is in its extreme hardiness and rapid growth. 2 to 3 feet, 100 for \$1.25. — 3 to 4 feet, 100 for \$1.75. — 4 to 5 feet, 12 for 35c, 25 for 75c, 100 for \$2.50.

**ELM, AMERICAN.** (*Ulmus*)—The elm has always been the favorite shade tree in the northern states, and is the best street and park tree for general planting in this section. It is also one of the hardiest trees for prairie planting and will withstand a greater extreme of temperature and moisture than any other of our shade trees. Of very large size, with open, spreading head and graceful drooping branches. 4 to 5 feet, each 20c, 12 for \$2.00, 100 for \$10.00. — 5 to 6 feet, each 25c, 12 for \$2.25, 100 for \$16.00. — 6 to 8 feet, each 40c, 12 for \$4.00.

**HORSE CHESTNUT.** (*Aesculus*)—White flowering. A fine large tree of compact outline, dense dark green foliage. In June the tree bears in greatest profusion large panicles of white flowers, tinged with red. Very pretty for street or lawn. Does splendidly in this section of the Northwest. 4 to 5 feet, each 50c, 12 for \$5.25.



Horse Chestnut.



American Elm.

# Ornamental & Shade Trees. Cont'd.



Hard Maple. (Page 110.)

**MOUNTAIN ASH, EUROPEAN.** (*Sorbus Aucuparia*)—A fine ornamental tree for the lawn, forming always without pruning a magnificent, fairly dense, well shaped head, which is covered from midsummer till winter with large clusters of beautiful scarlet berries, giving a brilliant color to the landscape. The foliage is very handsome. It is one of the choicest trees for our northwestern territory, and deserves extensive planting. 4 to 5 feet, each 25c, 12 for \$2.50.—5 to 6 feet, each 35c, 12 for \$3.50.—6 to 8 feet, each 50c, 12 for \$5.00.

**MULBERRY, RUSSIAN.** (*Morus*)—See page 103.

**OAK, PIN.** (*Quercus Palustris*)—An upright, vigorous growing variety, forming a stately, round topped tree, with long, slightly pendulous branches. The dark green, deeply cut foliage turns to brilliant yellow and crimson shades in autumn. Transplants easiest of all oaks and is one of our very finest lawn trees, and a desirable avenue tree. 4 to 5 feet, each 50c, 12 for \$5.25.—5 to 6 feet, each 65c.—6 to 8 feet, each \$1.00.

**OAK, SCARLET.** (*Quercus Coccinea*)—Similar to the above variety, of pyramidal outline and especially remarkable in autumn when the foliage changes to a glowing bright red. A very beautiful lawn tree. Grows well in dry situations. 4 to 5 feet, each 50c.

**ORNAMENTAL CRAB APPLE.** Variety *Souard*—A large fruited wild crab apple. Tree is very hardy, a quick, spreading grower, with handsome foliage, flowers and fruit. Fine for ornamental planting. Fruit large, yellowish green, of quince flavor, keeps all winter; desirable for cooking with other sorts. 3 to 4 feet, each 25c.—4 to 5 feet, each 35c.

**OLIVE, RUSSIAN.** (*Elaeagnus*)—This makes a beautiful lawn tree, with its silvery foliage and nearly black, shining bark. The blossoms



Black Locust. (Page 110.)

have a wonderful fragrance. The exquisite perfumes are carried long distances in the air. Is perfectly hardy even as far north as Canada. Planted extensively in the Dakotas. 2 to 3 feet, each 15c, 12 for \$1.25, 100 for \$8.50.—3 to 4 feet, each 25c, 12 for \$2.50.—4 to 5 feet, each 35c, 12 for \$3.50.

**POPLAR, BALSAM.** *Balm of Gilead.* (*Populus Balsamifera*)—A luxuriant and rapid growing tree with large, glossy, heart-shaped foliage, and upright and symmetrical in habit. The buds exhale an agreeable odor. The underside of the leaves is dull white. The *Balm of Gilead* makes a good street tree and it is probably the best of the poplars for shade. 3 to 4 feet, each 15c, 12 for \$1.50, 100 for \$10.00.—4 to 5 feet, each 25c, 12 for \$2.50.—5 to 6 feet, each 35c, 12 for \$3.50.

**POPLAR, BOLLEANA.** (*Populus Bolleana*)—This splendid variety was introduced from Turkestan, and is one of the most ornamental poplars. This tree is very hardy, a compact and upright grower. The foliage is a rich, glossy green above and silvery white below, beautifully cut, almost like the *Cut Leaf Maple*. The bark is of a rich green color. Fine for street planting as well as for a specimen tree on the lawn. 5 to 6 feet, each 50c, 12 for \$5.00.

**POPLAR, CANADIAN.** (*Populus Canadense*)—Extremely hardy variety, resembling the *Cottonwood* in its habit of growth. This tree is especially adapted to severe and exposed localities and is more desirable than *Cottonwood*, because it does not shed cotton. Price same as *Norway Poplar*.

**POPLAR, CAROLINA.** (*Populus Carolinensis*)—Also called *Russian Poplar*. One of the most rapid growing trees, with large, handsome, glossy, deep green leaves. Succeeds everywhere; especially adapted to cities, where it makes unusually fast growth, and resists smoke and gas. Pyramidal in form, making a spreading head and dense shade when properly trimmed; makes a splendid windbreak or screen. Price same as for *Norway Poplar*.

**POPLAR, LOMBARDY.** (*Populus Fastigiata*)—Attains a height of from 100 to 150 feet. Well known and remarkable for its erect, rapid growth, and tall, spiry form. Indispensable in landscape gardening, to break the ordinary and monotonous outlines of most other trees. Will grow in any soil. 5 to 6 feet, each 35c, 12 for \$3.50.

**POPLAR, NORWAY.** *Sudden Saw Log.* (*Populus*)—This is a very distinct tree in habit of growth and making a straight, upright, somewhat pyramidal head. The foliage is large, thickly borne, bright and glossy. Grows rapidly in almost every soil, and yet it possesses strength and durability which most of the poplars lack. For city planting it is superior to most of the other poplars, as it withstands the effects of dust and smoke much better. A superior tree for planting in the shelter of forest plantations. It is claimed that this tree will



Schwedlerii Maple. (Page 110.)

mature a log 2 feet in diameter in 16 years. 3 to 4 feet, each 15c, 12 for \$1.50, 100 for \$10.00.—4 to 5 feet, each 20c, 12 for \$2.00, 100 for \$15.00.—5 to 6 feet, each 30c, 12 for \$3.00, 100 for \$20.00.

**POPLAR, SILVER.** (*Populus Alba*)—A tree of wonderfully rapid growth and wide-spreading habit, with large leaves which are glossy green above and white as snow beneath; it flourishes everywhere. The large leaves are on slender stalks and easily stirred by the wind, when the white underside is shown to fine effect. 5 to 6 feet, each 35c, 12 for \$3.50, 100 for \$27.50.

**POPLAR, WABSTY OR RUSSIAN.**—A very hardy tree of rapid growth, making a straight, upright, symmetrical head. Similar to *Balsam Poplar*. Leaves large, broad, yellowish-green and glossy. A good lawn or street tree and sure to grow. 3 to 4 feet, each 15c, 12 for \$1.50.—4 to 5 feet, each 25c, 12 for \$2.50.—5 to 6 feet, each 35c, 12 for \$3.50.

**Poplar Cuttings.**—We have a surplus of cuttings, such as we plant ourselves. Prices as long as supply lasts are as follows:

Norway Poplar Cuttings, 9 inches long, 65c per 100, \$4.75 per 1000.

Carolina Poplar Cuttings, 40c per 100, \$3.00 per 1000.

Balsam Poplar Cuttings, \$1.00 per 100, \$7.50 per 1000.

Postage 25c extra per 100. We do not furnish less than 100 of a kind.



American Linden. (Page 110.)

# Ornamental and Shade Trees. Continued.

**RED BUDOR JUDAS TREE.** (*Cercis Canadense*)—One of our finest ornamental lawn trees, medium in size, nicely branched; leaves heart-shaped, glossy, bright green. In early spring, before the leaves appear, the tree is covered with a profusion of delicate, pink flowers. Hardy and deserving of a place in every yard. 5 to 6 feet, each 50c, 12 for \$5.00.

## WILLOWS. SALIX.

We grow the following three hardy varieties of willows in enormous quantities; these sorts are the most valuable from an economical and ornamental viewpoint. They are easily taken care of, do well in any soil, grow up quickly into nice shaped trees or dense windbreaks.

**WILLOW, GOLDEN RUSSIAN**—A very hardy and beautiful variety, growing very rapidly and making a fine, medium sized, round topped tree, conspicuous at all seasons, but particularly in winter time on account of its yellow bark. The catkins are also yellow in color. Desirable for windbreaks, as a lawn tree or for variety in ornamental planting.

**WILLOW, SIBERIAN**—Similar to the above; more suitable for very exposed situations, it being the hardiest of all willows.

**WILLOW, DIAMOND**—Very hardy variety, largely planted for post timber and wind-breaks.

Prices for Golden Russian, Siberian and Diamond Willows:  
2 to 3 feet, \$2.00 per 100, \$16.00 per 1000.—3 to 4 feet, \$3.50 per 100, \$30.00 per 1000.—4 to 5 feet, each 15c, 12 for \$1.50, 100 for \$9.00.

**WILLOW, LAUREL LEAF OR BAY LEAF**—A hardy, rapid grower, with beautiful, large, dark green, glossy leaves and light green bark. Can be clipped to any desired form like a bay tree and looks almost as well. Valuable for wind-breaks, hedges and as ornamentals. Thrives equally well on high or low ground. An especially desirable variety to plant near the water. This variety and the Golden Willow are without question the most popular trees for starting a wind-break. 2 to 3 feet, \$3.00 per 100, \$22.00 per 1000.—3 to 4 feet, \$6.00 per 100, \$50.00 per 1000.—4 to 5 feet, each 20c, 12 for \$1.75, 100 for \$10.00.

## WILLOW CUTTINGS.

We can supply good cuttings of the following varieties: **Golden Russian, Siberian and Laurel Leaf**, such as we plant ourselves, cut 9 inches long, at 35c per 100, \$2.75 per 1000. If ordered sent by mail, add 25c per 100 for postage. We do not sell less than 100 of one variety.



Mountain Ash.

## HARDY WEEPING TREES.

These trees form objects of great beauty when planted as single specimens on lawns, in the front yard and especially when used for cemetery decorations. Valuable for covering arbors.

**NOTICE**—Weeping trees require extra packing, for which reason we are obliged to ask 25 cents extra on orders for one tree only, or 15 cts. extra for each tree on orders for 2 or more weeping trees only. If shipped with a general order of nursery stock no extra charge is made.

**BIRCH, CUT LEAF WEEPING**—This fine tree is not only the most popular of the weeping trees, but is also decidedly the best. Its tall, slender, yet vigorous growth, graceful drooping branches, silvery-white bark, and delicately cut foliage, present a combination of attractive characteristics, rarely met with in a single tree. 4 to 5 feet, each 60c.—6 to 8 feet, each 80c.—8 to 10 feet, extra fine trees, each \$1.00.

**ELM, CAMPERDOWN WEEPING**—Its vigorous branches, which have a uniform habit, overlap so regularly that a compact, roof-like head is formed. Leaves are large, glossy dark green. A strong, vigorous grower. It can be trained to form an arbor if desired. Very fine trees with strong 2 year old heads, each \$1.00.

**MOUNTAIN ASH, WEEPING**—A beautiful, hardy tree of rapid growth and with pendant branches twined and twisted in all directions, in a few years forming an immense head with branches resting on the ground. Very attractive when covered with its large clusters of fragrant, feathery flowers and later with red berries. 5 to 6 feet, each 75c.

**MULBERRY, TEA'S WEEPING**—A very hardy, graceful and vigorous growing tree, which forms a perfect umbrella-shaped head with long, slender branches, drooping to the ground parallel to the stem. The foliage is a glossy green. Splendid for cemetery planting. Fine trees with 2 year old heads, each \$1.00.

**WILLOW, GOLDEN NIOBE WEEPING**—Very beautiful tree of weeping habit, with long, slender, golden yellow branches. Forms a large tree of very graceful habit. Its fresh, bright tint and long, wavy branches make it very attractive. Very hardy and of quick, robust growth. Adapted to a great variety of soils. Excellent for parks, lawns, cemeteries, etc. 5 to 6 feet, each 50c.



Norway Poplar. (Page 114)

## NUT BEARING TREES.

**BLACK WALNUT**—The tree is of large size and majestic form, with beautiful foliage. Grows best on low ground, bears very freely. The most valuable of all trees for its timber, which brings the very highest price on the market. The tree is a fairly rapid grower. The large, oily nuts are of fine flavor and always marketable at a fair price. 2 to 3 feet, each 20c, 12 for \$2.00.—3 to 4 feet, each 25c, 12 for \$2.50.—4 to 5 feet, each 35c, 12 for \$3.50.—Mailing size, each 15c, 12 for \$1.50, postpaid.

**BUTTERNUT OR WHITE WALNUT**—The nuts are large, long, oily and nutritious. This lofty, spreading tree is one of our finest natives, valued for its tropical appearance and beautiful wood, as well as for its nuts. Hardy everywhere. A very rapid grower and early bearer. Price same as for Black Walnut.

**NOTICE:**—We have a large quantity of very fine seedlings of Black Walnut and Butternut. For prices see page 113.

**ENGLISH WALNUT**—A very fine, lofty tree with spreading head; produces large crops of the well known thin-shelled, delicious English walnuts of commerce. Not hardy in the far North. 2 to 3 feet, each 35c, 12 for \$3.75.

**AMERICAN SWEET CHESTNUT**—Handsome native tree with broad leaves and pretty flowers; produces the well known Sweet Chestnuts of commerce. Very valuable both for ornament and fruit. Not hardy in the far North. 4 to 5 feet, each 40c, 12 for \$4.25.

**ENGLISH FILBERT OR HAZELNUT**—Of easiest culture, growing six to eight feet high, entirely hardy, and one of the most profitable and satisfactory nuts to grow, succeeding on almost all soils, bearing early and abundantly; nuts nearly round, rich and of excellent flavor. The variety we offer produces larger nuts than those commonly found in our native woods. 12 to 18 inches, each 20c, 12 for \$2.00.—2 to 3 feet, each 25c, 12 for \$2.50.—3 to 4 feet, each 35c, 12 for \$3.50.—Mailing size, each 15c, 12 for \$1.50, postpaid.



Weeping Mulberry.



Butternut.

When sending your order ask for booklet on the care of trees, plants, etc.—Free to our customers.

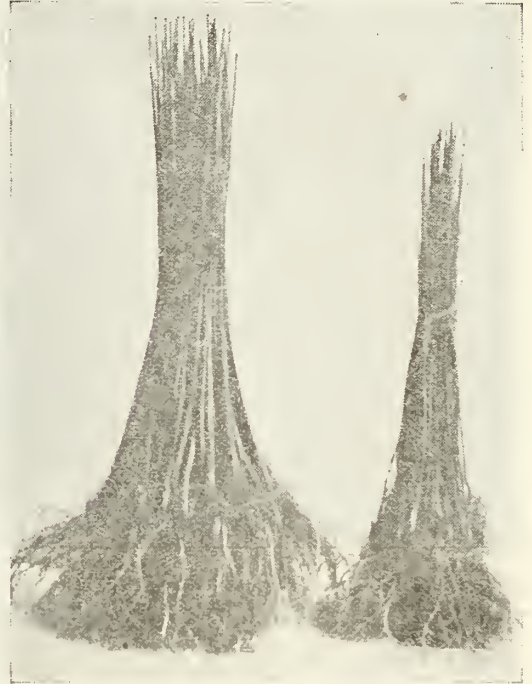
# HARDY FOREST TREE SEEDLINGS.

For Descriptions See Ornamental and Shade Trees, pages 110-112.

All our Seedlings are nursery grown, hardy, healthy and stocky plants with splendid root system. They will give the very best satisfaction everywhere, especially here in the Northwest. To successfully meet the severe climatic conditions of our northern states, only hardy, acclimated, northern grown stock should be planted, as southern grown seedlings will usually prove a failure. Our seedlings are carefully grown here in our cold and changeable Minnesota climate, they are far superior to the southern grown stock and we charge no higher price for them than the inferior southern grown seedlings can be bought for.

**Notice:** We cannot accept orders for Seedlings only, if for less than \$1.00. Of varieties quoted at \$1.00 or less per 100, we cannot furnish smaller quantities than 100 seedlings.

		Per 100	Per 1000
Ash, American White	8-12 in	\$.35	\$2.25
"	12-18 in	.50	3.50
"	18-24 in	.70	5.50
"	2-3 ft	1.25	10.00
Boxelder (Ash Leaf Maple)	6-12 in	.45	2.75
"	12-18 in	.65	4.00
"	18-24 in	.90	7.00
Caragana (Siberian Pea Tree)	12-18 in	3.50	30.00
"	2 yr. 18-24 in	5.00	45.00
Catalpa Speciosa (Hardy Catalpa)	8-12 in	.35	2.50
"	12-18 in	.50	3.50
"	18-24 in	.60	4.50
Cottonwood	6-12 in	.25	2.00
"	12-18 in	.40	3.00
"	18-24 in	.50	4.00
"	2-3 ft	.75	6.00
Elm, White	12-18 in	.60	4.00
"	18-24 in	.75	6.00
"	2-3 ft	1.00	9.00
Hackberry	8-12 in	.60	5.00
Linden, American (Basswood)	12-18 in	2.50	20.00
Linden, European	12-18 in	3.00	25.00
Locust, Black	8-12 in	.35	2.75
"	12-18 in	.60	4.50
Locust, Honey	12-18 in	.50	4.50
Maple, Soft or Silver	12-18 in	.60	5.00
"	18-24 in	.75	6.50
"	2-3 ft	1.25	10.00



White Ash Seedling.

		Per 100	Per 1000			Per 100	Per 1000
Maple, Norway	12-18 in	\$2.00	\$15.00	Willow, Golden Russian	18-24 in	\$1.50	\$12.50
Mulberry, Russian	8-12 in	.45	3.00	"	2-3 ft	2.00	16.00
"	12-18 in	.65	4.50	Butternut	8-12 in	1.75	15.00
"	18-24 in	1.00	6.00	"	12-18 in	2.00	17.50
Russian Olive	12-18 in	2.00	16.00	"	18-24 in	3.00	27.50
"	18-24 in	3.00	25.00	Walnut, Black	8-12 in	1.00	7.50
"	2 year 2-3 ft	5.00		"	12-18 in	1.50	12.00
Willow, Siberian	2-3 ft	2.00	16.00	"	18-24 in	2.00	15.00
				Osage Orange (Hedge Plant)	12-18 in	.50	3.00

## SEEDLINGS BY MAIL.

		Per 100	Per 1000
Ash, American White	8-12 in	\$.55	\$3.50
Boxelder	6-12 in	.60	4.00
Catalpa Speciosa	8-12 in	.65	4.00
Cottonwood	6-12 in	.40	3.25
Hackberry	8-12 in	.80	

## WE PAY THE POSTAGE.

		Per 100	Per 1000
Linden, American	12-18 in	3.00	
Locust, Black	8-12 in	\$ 1.50	\$4.00
Mulberry, Russian	6-12 in	.65	4.50
Willow, Golden Russian	18-24 in	2.25	
Butternut	8-12 in	2.25	
Walnut, Black	8-12 in	1.50	

## EVERGREEN SEEDLINGS.

We offer well rooted seedlings of the following varieties, which we grow in large quantities. These seedlings are nursery grown, healthy and well rooted stock and will give best results. We are the largest growers of Evergreens in the Northwest and invite our customers to call and inspect our extensive evergreen arbors. Note our very low prices. We do not sell less than 25 of any one variety. — FOR FULL DESCRIPTION OF VARIETIES, SEE PAGE 114.

**ARBOR VITE (White Cedar)**—Very hardy. Extensively used for hedges and windbreaks. 8 to 12 inches, 25 for 50c, 100 for \$1.50, 1000 for \$9.00—8 to 12 inches transplants, 25 for \$2.75, 100 for \$9.00, not prepaid.—By mail, 8 to 12 inches, 25 for 65c, 100 for \$2.00, prepaid.

**JACK PINE**—The hardiest of all American Pines. Rapid grower, valuable for windbreaks on dry soils and exposed locations. 8 to 12 inches, 25 for 50c, 100 for \$1.50, 1000 for \$10.00, not prepaid.—By mail, 25 for 75c, 100 for \$2.25, prepaid.

**SCOTCH PINE**—Hardy, of quick growth. Used extensively for windbreaks. 8 to 12 in., 25 for 75c, 100 for \$2.00, 1000 for \$15.00, not prep'd.—By mail, 25 for \$1.00, 100 for \$2.35, prepaid.

**WHITE PINE**—The most ornamental of our native pines. Will grow on the poorest soils. 8 to 12 inches, 25 for \$1.25, 100 for \$4.00, not prepaid.—By mail, 25 for \$1.75, prepaid.

**BLACK HILL SPRUCE**—Very hardy, and especially valuable for hedge and windbreak planting on our western prairies. 4 to 6 inches, 25 for 50c, 100 for \$1.25, 1000 for \$8.00.—6 to 10 inches, 25 for 75c, 100 for \$2.00, 1000 for \$12.00, not prepaid.—By mail, 4 to 6 inches, 25 for 75c, 100 for \$1.75, prepaid.

**COLORADO BLUE SPRUCE**—Well known and generally planted everywhere. Very hardy and a splendid ornamental for the lawn and cemetery. 4 to 8 inches, 25 for \$1.00, 100 for \$3.50.—8 to 12 inches, 25 for \$2.00, 100 for \$8.00, not prepaid.—By mail, 4 to 8 inches, 25 for \$1.25, 100 for \$4.00, prepaid.

**NORWAY SPRUCE**—One of the best evergreens for hedges, more extensively planted for windbreaks and shelter belts than any other evergreen. Very hardy. 6 to 8 inches, 25 for 50c, 100 for \$1.50, 1000 for \$10.00.—8 to 12 inches, 25 for 85c, 100 for \$2.50, 1000 for \$20.00, not prepaid.—8 to 12 inches transplants, 25 for \$3.00, 100 for \$10.00, not prepaid.—By mail, 6 to 8 inches, 25 for 75c, 100 for \$2.00, prepaid.

**WHITE SPRUCE**—Much used for ornamental planting and shelter-belts. 4 to 10 inches, 25 for 75c, 100 for \$2.00, 1000 for \$15.00.—8 to 15 inches transplants, 25 for \$1.50, 100 for \$5.00, not prepaid.—By mail, 4 to 10 inches, 25 for \$1.00, 100 for \$2.35, prepaid.

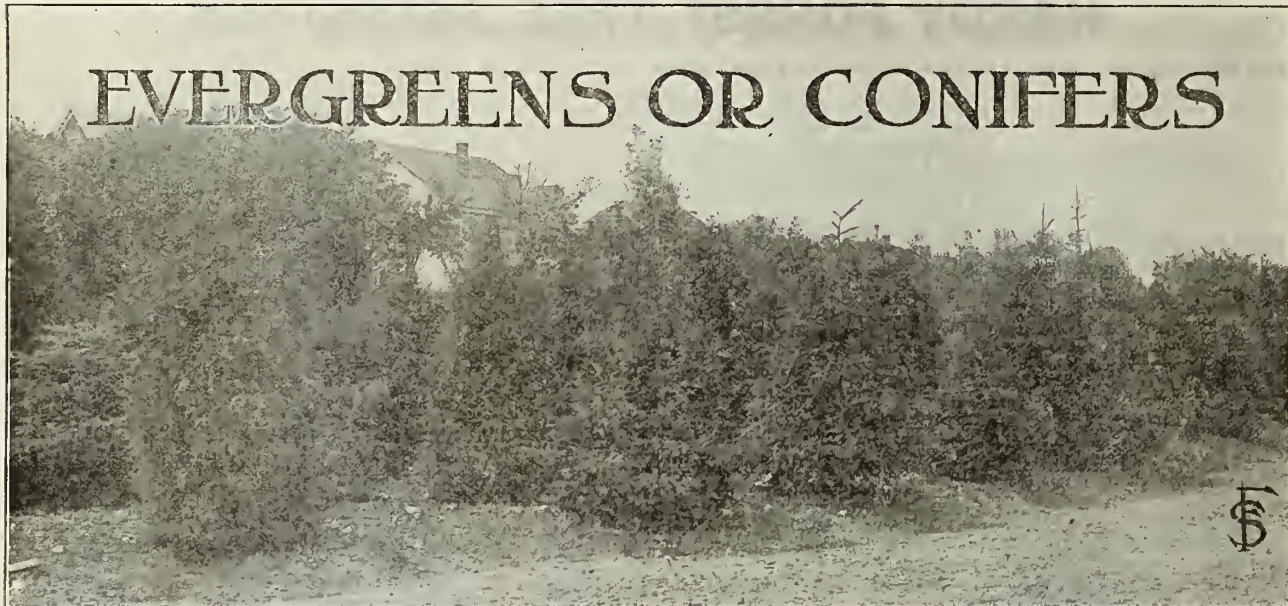
**MOUNTAIN PINE**—A low, spreading pine, valuable for planting on rocky ground or hill-sides. 6 to 8 in. transplants, 25 for \$1.00, 100 for \$3.50, not prepaid.—By mail, 25 for \$1.35, p'p'd. 4 to 8 inch seedlings, 25 for 50c, 100 for \$1.50, 1000 for \$10.00.—8 to 12 inches transplants, 25 for \$1.00, 100 for \$3.25, not prepaid.—By mail, 4 to 8 inches, 25 for 75c, 100 for \$2.00, prepaid.

**EUROPEAN LARCH**—Perfectly hardy and thrives in nearly all situations. 8 to 15 in. transplants, 25 for \$2.00, 100 for \$6.00, not p'p'd.



Koster's Blue Spruce. (Page 114.)

# EVERGREENS OR CONIFERS



**EVERGREENS** are stately and majestic trees and wonderfully effective in beautifying the home surroundings; they are the most valuable trees for windbreaks as well as for screening objectionable places and should be planted much more extensively. All our Evergreens are nursery grown, have been transplanted several times, and when shipped, the roots are wrapped up in compact balls with damp moss and hurlap.

**NOTICE:** On all orders for one or two trees only, 25 cents extra must be added to cover packing. No extra charges required if included in general order for nursery stock.—Prices for all Evergreens are f. o. b. Faribault, freight or express charges to be paid by the purchaser. We furnish 6 at dozen rate.

**ARBOR VITÆ. (Thuja)**—Commonly known as White Cedar, grows wild in the northern part of Minnesota. Much used for telephone and telegraph poles; very popular for evergreen hedges, forming a close compact top when clipped. Stands well on good retentive land and makes a splendid windbreak on such. Will do best where land is too moist and cold for other evergreens. 8 to 12 inches, each 15c, 12 for \$1.50.—12 to 18 inches, each 20c, 12 for \$2.00.—18 to 24 inches, each 30c, 12 for \$3.00.—2 to 3 feet, each 45c, 12 for \$4.75.—3 to 4 feet, each 60c, 12 for \$6.50.—4 to 5 feet, each 85c.

**ARBOR VITÆ, GLOBOSA**—Globe Headed Arbor Vitæ. Grows in low, thick globe form; very desirable ornamental for specimen plants. 12 inches high, with 15 to 18 inch diameter, each 75c.

**ARBOR VITÆ, PYRAMIDALIS**—Pyramidal Arbor Vitæ. Grows into beautiful pyramids, foliage very distinct, resembling the cedar. A fine ornamental tree. 18 to 24 inches, each 60c.—2 to 3 feet, each 75c.—3 to 4 feet, each \$1.00.

**BALSAM FIR. (Abies Balsamea)**—Forms a slender, spiral and very symmetrical pyramidal tree. It is one of the most rapid growing trees and is extremely hardy. Foliage very dark green, needles soft, short, of pleasant aromatic fragrance. For lawn planting, either in groups, or as a specimen, it lends itself to a variety of uses. One of the choicest evergreens for general planting, especially on heavy, retentive soils. 8 to 12 inches, each 15c, 12 for \$1.50, 100 for \$10.00.—12 to 18 inches, each 25c, 12 for \$2.75.—18 to 24 inches, each 35c, 12 for \$3.75.—2 to 3 feet, each 50c, 12 for \$5.50.—3 to 4 feet, each 75c.

**DOUGLAS FIR. (Abies Douglasii)**—A very handsome tree of symmetrical and pyramidal habit, with regular branches and dark reddish-brown bark. The needles are long and of a green or bluish-green color. A very distinct evergreen and valuable for ornamental effects. 12 to 18 inches, each 30c, 12 for \$3.00.

**DWARF MOUNTAIN PINE. (Pinus Mugho)**—Also called Dwarf Swiss Pine. A low spreading pine and very useful in lawn planting. In foliage it is a true pine with stout, dark green needles of medium length. Valuable for planting on rocky ground and hillsides. Hardy everywhere, does well on all soils. 15 to 18 inches high, with 18 to 24 inch diameter, each 75c.

**JACK PINE. (Pinus Divaricata)**—The most northern and hardiest of all American Pines. Very hardy, a rapid grower, resisting drought and severe cold extremely well. Especially valuable for windbreaks on dry, loose soils or exposed locations. The needles are short and stiff, of light green color. 12 to 18 inches, each 20c, 12 for \$2.00.—18 to 24 inches, each 25c, 12 for \$2.75.—2 to 3 feet, each 35c, 12 for \$3.75.—3 to 4 feet, each 50c, 12 for \$5.25.

**PONDEROSA PINE. (Pinus Ponderosa)**—Also called Bull Pine or Yellow Pine. It forms a stout, spreading tree with branches often pendulous. A rapid grower, its branches heavy and rough coated with bark. Foliage is dark green, the needles extremely stiff and heavy. Very hardy, well suited for windbreaks and shelter belts in exposed locations. Does well most everywhere. 12 to 18 inches, each 30c, 12 for \$3.25.—2 to 3 feet, each 45c, 12 for \$5.00.

**WHITE PINE. (Pinus Strobus)**—The most ornamental of all pines. A tall and very beautiful tree with regular whorls of horizontal branches, forming a pyramidal crown. Foliage light, delicate silvery green. Will grow in the poorest of sandy soils; a long lived tree and rapid grower. Not very well adapted for windbreaks. 12 to 18 inches, each 25c, 12 for \$2.75.—18 to 24 inches, each 30c, 12 for \$3.25.—2 to 3 feet, each 50c, 12 for \$5.50.—3 to 4 ft., each 75c.—4 to 5 ft., each \$1.25.

**BLACK HILL SPRUCE. (Picea)**—Very hardy, handsome evergreen with very dark foliage; needles short. Very desirable for prairie planting and hedges, also makes a fine lawn tree. 12 to 18 inches, each 50c, 12 for \$5.00.—18 to 24 inches, each 65c, 12 for \$7.00.

**SCOTCH PINE. (Pinus Sylvestris)**—The Scotch Pine is one of the hardiest and most rugged of evergreens, of very rapid growth when young, and reaches its maturity in about twenty years, after which it becomes rather open in habit. It has been planted more largely for windbreaks on our prairies than any other evergreen. Does well everywhere. 12 to 18 inches, each 25c, 12 for \$2.75.—18 to 24 inches, each 30c, 12 for \$3.25.—2 to 3 feet, each 40c, 12 for \$4.25.—3 to 4 feet, each 60c.—4 to 5 feet, each \$1.00.

**HEMLOCK SPRUCE. (Tsuga Canadensis)**—One of our finest native evergreens. Naturally open, free and drooping in growth, but very dense when pruned. Its dark, pure green color is retained all winter. Splendid specimen tree and makes a fine hedge. 18 to 24 inches, each 35c, 12 for \$3.75.

**COLORADO BLUE SPRUCE. (Picea Pungens)**—Needles about one inch long, rather broad, rigid and sharp pointed, branchlets smooth and shiny; a large tree of strictly conical growth and spreading branches, color bright glaucous, sometimes varying to dark green. It is a noble and handsome tree, and now very popular with tree planters in the northern states. Very hardy and splendid for the lawn and cemetery. 12 to 18 inches, each 75c, 12 for \$8.25.—18 to 24 inches, select trees, each \$1.00, 12 for \$10.00.

**KOSTER'S BLUE SPRUCE. Koster's Genuine Silvery Blue Spruce**—This is the most beautiful, highly colored evergreen in existence. Foliage rich silvery blue. This tree is very hardy and will thrive everywhere in an ordinary soil. It will always be an expensive tree, for in order to retain the rich blue color it is grafted on other seedlings, and it requires considerable care, labor and time to get these trees started, but after they have reached a height of 10 to 12 inches, they often grow faster than many other varieties. Average height 15 to 18 inches, each \$2.25.—18 to 24 inches, each \$3.00, 3 for \$8.50.—2 to 2½ feet, each \$3.75.—2½ to 3 feet, each \$4.50.—3½ to 4 feet, each \$6.50.—4 to 4½ feet, each \$8.00.—5 feet, each \$10.00.

**NORWAY SPRUCE. (Picea Excelsa)**—Lofty tree of pyramidal form, foliage rich deep green. A fine ornamental tree for the lawn or yard. More extensively planted for windbreaks and shelter belts than any other evergreen. It is the fastest grower of the spruce family, making a fine large conical tree with stout and generally pendulous branches. One of the best evergreens for hedges. 8 to 12 inches, each 15c, 12 for \$1.50, 100 for \$12.00.—12 to 18 inches, each 20c, 12 for \$2.00, 100 for \$16.00.—18 to 24 inches, each 25c, 12 for \$2.75.—2 to 3 feet, each 40c, 12 for \$4.35.—3 to 4 feet, each 60c, 12 for \$6.50.

**WHITE SPRUCE. (Picea Alba)**—Needles are slender, one-half inch long, varying in color from light glaucous to dark green. A graceful form of pyramidal habit and horizontal branches. It develops to its greatest perfection when growing in moist soil, but will also stand a drier location than any other spruce. Much used for ornamental plantings. A row of these trees should be in all shelter belts. 12 to 18 inches, each 30c, 12 for \$3.25.—18 to 24 inches, each 40c, 12 for \$4.25.—2 to 3 feet, each 50c, 12 for \$5.50.—3 to 4 feet, each 75c.—4 to 5 feet, each \$1.25.

**RED CEDAR. (Juniperus Virginiana)**—The tree is of a conical form and quite regular, densely branched, the foliage being thick and of a rich deep green. In the fall the branches are thickly hung with pretty, little blue berries. Hardy and the easiest to transplant of all evergreens. Makes a fine low shelter belt and may be trimmed into any form. 8 to 12 inches, each 20c, 12 for \$2.00.—12 to 18 inches, each 25c, 12 for \$2.50.—18 to 24 inches, each 45c, 12 for \$4.00.—2 to 3 feet, each 75c, 12 for \$8.50.

**EVERGREEN SEEDLINGS**—We grow them in enormous quantities. See Page 113.

# HEDGE PLANTS.

To make a perfect hedge, it is necessary to take into consideration the size and variety and also the purpose for which it is intended. Where rather dwarf, dense hedges are desired it is best to plant small plants, 12 to 18 or 18 to 24 inches high, while if the hedge is to serve as a screen or wind-break it is best to plant 2 to 3 or 3 to 4 foot plants.

All our Hedge Plants are transplanted stock, and well grown.

**ARBOR VITÆ**—One of the best evergreens for screens, being hardy and easily transplanted. It grows rapidly and with little care, and soon forms a beautiful hedge, very dense, and perfectly impervious to the sight. Widely planted throughout the United States. 8 to 12 inches, transplanted, 12 for \$1.50, 25 for \$2.25, 100 for \$9.00.—12 to 18 inches, transplanted, 12 for \$2.00, 25 for \$3.75, 100 for \$13.00.

**BARBERRY, THUNBERGII**, Japanese Barberry—Well adapted for ornamental hedges; plants of dwarf, stocky growth with small, light green foliage changing to coppery red in autumn, orange colored flowers succeeded by red fruits. 8 to 12 inches, 25 for \$2.00, 100 for \$6.00.—12 to 18 inches, 12 for \$1.50, 25 for \$2.75, 100 for \$10.00.—1½ to 2 feet, 12 for \$2.00, 100 for \$15.00.—2 to 3 feet, 12 for \$3.00, 100 for \$22.50.

**BARBERRY, PURPLE LEAVED**—Grows 4 to 5 feet high; leaves rich bronze-purple. Fine for ornamental hedges. A showy and effective shrub. 8 to 12 inches, 25 for \$2.00, 100 for \$6.00.—12 to 18 inches, 12 for \$1.50, 25 for \$2.75, 100 for \$10.00.

**BUCKTHORN**. (Rhamnus)—This is undoubtedly one of the very best and hardest hedges for the Northwest. It stands our most severe winters without the least injury. If pruned once or twice during the growing season, it will form a solid mass of small branches. Plant 6 to 10 inches apart. 12 to 18 inches, 12 for \$1.00, 100 for \$6.00.—18 to 24 inches, 12 for \$1.25, 100 for \$8.50.

**BUFFALO BERRY**—This shrub is used extensively for hedges in the Northwest. Perfectly hardy, thrives anywhere, and makes a thick, close hedge of ornamental appearance. 2 to 3 feet, 12 for \$1.50, 25 for \$2.65, 100 for \$10.00.

**CARAGANA**, Siberian Pea Tree—A shrub-like tree, perfectly hardy, even in Canada, and especially adapted for an ornamental hedge. Stands shearing well and grows very dense, never looks coarse and on account of its hardness and resistance to drought can be planted anywhere. 12 to 18 inches, 2 yr., 25 for \$2.00, 100 for \$6.00, 1000 for \$35.00.—1½ to 2 feet, 12 for \$1.50, 25 for \$2.50, 100 for \$8.00.

**CORNUS, SIBERICA**. (Dogwood)—Red Branched Osier. Introduced from Siberia. Very hardy anywhere and forms a perfect dense hedge. For winter effect it is one of the most beautiful hedges we have, as the bark of the twigs turns a rich scarlet red in autumn. 12 to 18 inches, 12 for \$1.25, 25 for \$2.25, 100 for \$8.00.—18 to 24 inches, 12 for \$1.75, 25 for \$3.00, 100 for \$10.00.

**DEUTZIA, CRENATA ROSEA**—Splendid for ornamental hedges. Grows 6 to 8 feet high and succeeds most anywhere. Pretty flowers of soft rosy-pink. 18 to 24 inches, 12 for \$1.75, 25 for \$3.00, 100 for \$11.00.

**DEUTZIA GRACILIS**—Of dwarf growth, not over 2 feet high, with slender branches and single pure-white flowers. A grand plant for a low hedge. 12 to 18 inches, 12 for \$1.25, 25 for \$2.25, 100 for \$8.00.

**HAWTHORN**—The celebrated English hedge plant. Forms somewhat tall bushes with spreading branches and nice round heads. Beautiful white flowers, followed by scarlet fruits which hang on the plants a long time. 12 to 18 inches, 25 for \$1.50, 100 for \$5.00.—18 to 24 inches, 25 for \$2.00, 100 for \$7.00.—2 to 3 feet, 12 for \$1.75, 25 for \$2.75, 100 for \$10.00.

**HONEY-SUCKLE, TARTARIAN**—Best hedge plant for small wind-breaks and screens; also furnishing an abundance of fragrant red, white and pink flowers. Very hardy; will stand the most severe winter. 12 to 18 inches, 12 for \$1.25, 25 for \$2.25, 100 for \$8.00.

**LILAC, PURPLE**—This well known hardy shrub makes a very attractive ornamental hedge or screen. Large, fragrant flowers heads appear in May. 12 to 18 inches, 25 for \$2.25, 100 for \$8.00.—1½ to 2 feet, 12 for \$1.75, 100 for \$12.00.

**PYRUS, JAPONICA**, Japanese Flowering Quince—A beautiful flowering and ornamental shrub, producing an abundance of rich, scarlet flowers in early summer. This variety forms a magnificent ornamental hedge but should not be planted north of here. 12 to 18 inches, 12 for \$1.25, 25 for \$2.00, 100 for \$6.00.—18 to 24 inches, 12 for \$1.50, 25 for \$2.50, 100 for \$8.00.



Spirea Van Houttei.

**OSAGE ORANGE**—Well known tall growing hedge plant, extensively planted south of here, not hardy in the Northwest. 12 to 18 inches, 100 for 50c, 1000 for \$4.00.

**PRIVET, CALIFORNIA**—Well known hedge plant, largely planted in localities south of Minnesota. Similar to Amurensis Privet in form and habit, of quick and robust growth; has glossy, dark green foliage. 12 to 18 inches, 12 for \$1.25, 25 for \$2.00, 100 for \$6.50.—2 to 3 feet, 12 for \$1.50, 25 for \$2.65, 100 for \$9.00.

**PRIVET, AMURENSE**, Hardy Amoor River Privet. This is the hardest variety of all the Privets, and will do well in locations where the California Privet is not hardy. Forms beautiful, compact, dense hedges if clipped back once or twice during the growing season. Foliage is glossy green and holds its color well almost the entire year. 12 to 18 inches, 12 for \$1.00, 25 for \$1.75, 100 for \$6.50.—18 to 24 inches, 12 for \$1.25, 25 for \$2.25, 100 for \$8.50.—2 to 3 feet, 12 for \$1.65, 25 for \$3.00, 100 for \$10.00.

**ROSA RUGOSA**—The best hedge rose. Perfectly hardy without covering. Foliage is of a glossy, dark green, heavy and wrinkled; very odd and ornamental. Flowers are large, single, bright red, fragrant, and produced in abundance until frost, followed by large, scarlet fruits. 12 to 18 inches, 12 for \$2.25, 25 for \$4.00, 100 for \$15.00.

**ROSE, HARDY BRIER**—Of upright growth, with numerous prickly branches. Flowers purplish-red, followed by large, orange-red fruits. Makes a splendid ornamental hedge and should be planted more generally. Hardy everywhere. 12 to 18 inches, 12 for \$2.00, 25 for \$3.75, 100 for \$13.50.

**RUSSIAN MULBERRY**—Is well adapted for tall hedges or screens. Must be often pruned the first few years. Hardy and of quick growth. 18 to 24 inches, 100 for \$1.00, 1000 for \$6.00.—2 to 3 feet, 100 for \$1.50, 1000 for \$10.00.

**RUSSIAN OLIVE**—Very hardy; a native of the Northwestern plains. The small yellow flowers are very fragrant. It forms a good rough hedge for screening but is not adapted for ornamental purposes. 12 to 18 inches, 25 for \$1.50, 100 for \$4.00.—18 to 24 inches, 25 for \$2.00, 100 for \$6.00.

**SPIREA, VAN HOUTTEI**—This grand shrub is taking the same place in the Northwest as the California Privet is in the East. It may be pruned so it will form a compact, dense hedge, or it may be left to grow up in its natural way as a screen or low windbreak. When in bloom in early summer it is one mass of pure white and remains beautiful in form and foliage until frost destroys the leaves. Perfectly hardy, will do well in any soil. 12 to 18 in., 25 for \$2.75, 100 for \$10.00.—18 to 24 inches, 12 for \$2.25, 25 for \$4.00, 100 for \$15.00.



Hardy Japanese Barberry. (Thunbergii.)

Our illustration shows single specimen plants in front of porch and in background a hedge of Barberry used as dividing line of the lots. It makes a splendid low hedge. The foliage remains until winter and changes from light green to a coppery red in autumn.



A fine Group of Spiræas, Barberries and other Shrubs.

In laying out new grounds or remodeling old places, nothing will so quickly beautify the home surroundings for so little money, as a few selected flowering shrubs. The larger sizes which we offer "not prepaid" are very strong field grown, transplanted plants, well branched and bushy. The mailing size plants are one year old field plants, well rooted; we are sure they will give the best satisfaction.

**NOTICE:** No single order for Shrubs will be accepted for less than 50c except when ordered with other Nursery Stock.

**ALMOND, DOUBLE FLOWERING**—Hardy as far as Southern Minnesota, but requires some protection or a sheltered location further north. They produce large, double flowers, resembling small roses, early in spring. Grows 4 to 5 feet high. We offer two varieties, double white and double pink. 1½ to 2 ft., 25c each, 2 to 3 ft., 35c each, not prepaid. Mail size, 15c each, prepaid.

**ARTEMESIA, RUSSIAN**—A vigorous, aromatic, hardy shrub similar to the plant called the "Old Man." Desirable as an ornamental or for a quick growing low hedge. The foliage is very ornamental. A very showy shrub of easiest culture growing well on the poorest soil. Extra large plants, 3 to 5 ft., each 20c, 12 for \$1.50, not prepaid.

**BARBERRY, THUNBERGII**—Japanese Barberry. Invaluable little shrub that fits in with almost every planting. Will grow just about anywhere, and has handsome foliage of tiny, bright green, oval leaves, that turn the most brilliant shades of orange and red in the fall. The slender, graceful branches are lined with scarlet berries from early autumn well into the winter. 1½ to 2 ft., each 20c, 12 for \$2.00, 2 to 3 ft., each 30c, 12 for \$3.00, not prepaid. Mail size 15c, prepaid.

**BARBERRY, PURPLE**—Perfectly hardy here, but requires a little protection north of St. Paul. Grows 4 to 5 feet high. The foliage is deep rich purple, forming a striking contrast with green shrubs. 2 to 3 ft., 25c each, not prepaid. Mail size 15c each, prepaid.

**BUFFALO BERRY**—A splendid hardy shrub that will grow easily most anywhere. Full description see page 103.

**BRIDAL WREATH**—The true Spiræa Prunifolia. This well known and popular shrub produces an abundance of double, pure white flowers in early summer. Grows 4 to 6 feet high, very hardy. 1½ to 2 ft., 20c each, 2 to 3 ft., 30c each, not prepaid. Mail size 15c, prepaid.

**CORNUS, VARIEGATA**—The leaves of this variety are variegated white and yellow. A beautiful shrub to plant with green foliage shrubs for contrast. 2 to 3 feet, each 25c, not prepaid.

**ELDER, GOLDEN LEAF**—A variety with golden yellow foliage. A valuable plant for producing contrast when planted with other shrubs. Grows to a height of 6 feet, and is of vigorous, spreading habit. In early summer it bears large, flat clusters of small, fragrant white flowers, followed by heavy clusters of black, edible berries. Grows well on all soils and can be pruned into a neat, compact little bush. Hardy everywhere, does well here in the Northwest. 2 to 3 ft., each 25c, 3 to 4 ft., each 40c, not prepaid. Mail size, 15c.

**ELDER, CUT LEAVED**—A very pretty ornamental variety, with foliage finely and deeply cut and incised, producing a fern-like effect. Of drooping habit, one of the handsomest shrubs on our list. 2 to 3 ft., each 35c, 3 to 4 ft., each 45c, not prepaid.

**FLOWERING CURRANT**—(Ribes). The Flowering Currants are much prized for their wealth of bright flowers in early spring. The leaves are glossy green and turn to brilliant colors in the fall. 5 to 7 feet high; very hardy everywhere. 2 to 3 ft., each 25c, not prepaid. Mail size, 15c each, prepaid.

**FORSYTHIA, GOLDEN BELL**—Beautiful hardy shrub of quick growth, with brilliant golden yellow flowers in great profusion early in spring; leaves and bark deep green. One of the best early flowering shrubs for the Northwest. 2 to 3 ft., each 25c, 3 to 4 ft., each 40c, not prepaid. Mail size, each 15c, prepaid.

**FRINGE, PURPLE, Smoke Tree**—Quite hardy here, but it is best to protect them the first two or three winters. It is a beautiful shrub and well worth a little attention. Flowers pale purple, born in loose panicles, forming large plumes. Very showy, nothing else like it in hardy shrubs. 1½ to 2 ft., each 30c, not prepaid. Mail size, each 20c, prepaid.

**CARAGANA, Siberian Pea Shrub**—A large shrub with bright green feathery foliage. Flowers yellow, produced in numerous small clusters in late spring. Very hardy. 1½ to 2 feet, 20c each, 12 for \$1.75, not prepaid. Mail size, 15c each, prepaid.

**CORNUS, SIBERICA**—The true Siberian Dogwood. Tall spreading shrub, extensively planted, singly or in groups on the lawn, as well as for hedges. The rich bright red branches make it one of the most beautiful shrubs for winter effect. Very hardy in all localities, and easily grown. 2 to 3 ft., 25c each, 3 to 4 ft., 35c each, not prepaid. Mail size, 15c each, prepaid.

**CORNUS, GAULCHALTI**—A rare and beautiful, golden, variegated Dogwood with brilliant red bark. Very hardy. Should have a place in every garden. 2 to 3 ft., each 35c, 3 to 4 ft., each 50c, not prepaid. Mail size, 20c each, prepaid.

**DEUTZIA, Pride of Rochester**—Tall growing, hardy shrub well adapted to most soils. Flowers very double, pure white, in large racemes. Must be seen to be appreciated. There is nothing in the list of hardy shrubs that gives better results for planting in masses or groups on the lawn. Blooms in May. 1 to 1½ ft., each 20c, 2 to 3 ft., each 25c, not prepaid. Mail size, 15c each.

**DEUTZIA, CRENATA ROSEA**—Similar to the above, but flowers are of a beautiful pink color, very double, exceedingly dainty. When planted with above variety, a lovely effect is obtained. 1½ to 2 feet, each 25c, 2 to 3 ft., each 35c, not prepaid. Mail size, 15c each.

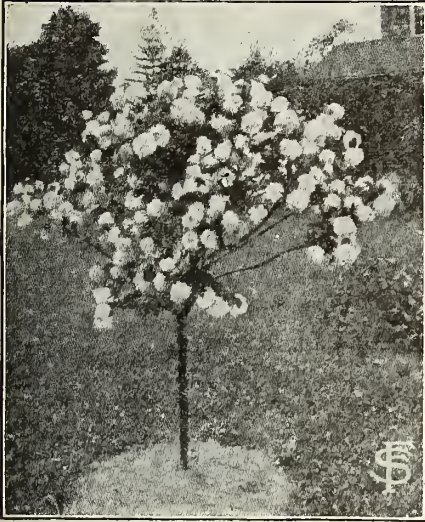
**DOUBLE FLOWERING PLUM**—A very hardy small tree of the Plum family, one of the finest, hardy, spring-blooming shrubs in cultivation. Early in the spring before its leaves appear the whole tree is decked in a fleecy cloud of very double, rose-like, light pink blossoms, which completely surround and cover the branches. Can be grown in bush form if desired. A very effective and beautiful shrub. 12 to 18 inches, bush form, each 25c.—3 to 4 feet, tree form, each 50c, not prepaid.



Hydrangea Panicle (Page 124)



# Hardy Flowering Shrubs. Cont'd.



Snowball.

**SNOWBALL, Large Flowering**—The Snowball is a well-known, tall shrub, which should be in every garden. Perfectly hardy anywhere; produces in clusters of 4 or 5, large balls of handsome, showy, white flowers. May also be grown in tree form. 1 to 2 feet, each 15c.—2 to 3 feet, each 25c.—3 to 4 feet, each 35c, not prepaid.—Mail size, 15c.

**SNOWBALL, JAPANESE**—A very choice, new shrub, similar to above. The foliage is soft and very heavy, entirely sunproof. It produces in great profusion large clusters of ball-shaped, pure white, very double flowers, in May and June. 2 to 3 ft., each 35c, not prep'd.—Mail size, 20c.

**SNOWBERRY, RED.** Coral Berry—A good companion to the white fruited variety described on the opposite side of page, producing a wealth of beautiful red colored berries. 1½ to 2 feet, each 20c.—2 to 3 feet, each 30c, not prepaid.—Mail size, each 15c, prepaid.

**SPIREA, ANTHONY WATERER.** (Crimson Spirea)—One of the finest shrubs, of dwarf, dense growth, never exceeding 30 inches in height and bearing brilliant, dark crimson flowers the entire summer and fall. Strong 2 year old, bushy plants each 25c not prepaid.—Mail size, each 15c, prepaid.

**SPIREA, CALLOSA ALBA**—A very fine dwarf variety of bushy, symmetrical form, with white flowers, keeping in bloom all summer. Price same as preceding sort.

**SPIREA, PRUNIFOLIA**—See Bridal Wreath.

**SPIREA, THUNBERGI.** (Snow Garland)—A beautiful shrub with numerous slender branches, forming a dense, feathery bush, 3 to 4 feet tall. Flowers pure white, so profusely borne in earliest spring as to appear like a snow mantle. The bright green foliage assumes in autumn brilliant tones of orange and scarlet. 2 year old plants, each 25c, not prepaid.—Mail size, each 15c, prepaid.

**SPIREA, VAN HOUTTEI**—The grandest Spirea and one of the finest shrubs grown; it is of compact habit and at the flowering season, in May and June, is a complete fountain of white bloom, hardly showing the foliage; the racemes, made up of clusters of 20 to 30 white florets, are closely set along the drooping branches. For lawn and cemetery planting it cannot be surpassed. 1½ to 2 feet, each 15c.—2 to 3 feet, bushy plants, each 25c.—3 to 4 feet, extra fine, each 40c, not prepaid.—Mail size, each 15c, prepaid.

**WEIGELIA, ROSEA**—The best of the taller Weigelia, growing 4 to 6 feet high. A very profuse bloomer, flowers a deep rosy pink, large and showy. 1½ to 2 feet, each 15c.—2 to 3 feet, each 25c, not prepaid.—Mail size, each 15c, prep'd.

**WEIGELIA, CANDIDA**—The same as Weigelia Rosea, in growth and blooming qualities, but flowers are of pure white color. This makes a splendid companion plant to the Rosea variety. 1½ to 2 feet, each 20c, not prepaid.—Mail size, each 15c, prepaid.

**WEIGELIA, EVA RATHKE**—A new variety of special merit, blooming nearly all summer up to frost. Flowers a brilliant shade of crimson. When in full bloom the plant fairly glows with color. Dwarf. 1½ to 2 feet, each 25c.—2 to 3 feet, each 35c, not prepaid.—Mail size, each 25c, prepaid.

When sending your order ask for booklet on the care of Trees, Plants, etc. Free to our customers.

**HIGHBUSH CRANBERRY**—A magnificent, large shrub, with upright and spreading form. The leaves are broad, oval and bright green. The small, white flowers which appear in early summer are borne in broad, flat clusters. These are followed by very showy scarlet berries, which cling to the bush all winter, as they are not disturbed by the birds. It will thrive and grow to perfection in the coldest climates or where the extremes of heat and cold are the greatest. 1½ to 2 feet, each 20c, 12 for \$2.00.—2 to 3 feet, each 35c, not prepaid.—Mail size, 15c each prepaid.

**HONEYSUCKLE, MORROWII**—Splendid, hardy Japanese variety, growing in bush form, 4 to 5 feet high, with spreading branches. In early spring its pure white, sweetly fragrant flowers are very attractive; these are followed by handsome bright red berries. 1½ to 2 feet, 20c each.—2 to 3 ft., 30c each.—3 to 4 ft., 40c each, not prep'd.—Mail size 15c each, prep'd.

**HONEYSUCKLE, TARTARIAN.** Pink—Well known, perfectly hardy plant, blooming in great profusion in late spring. Flowers of light pink color, fragrant. The red colored berries are very attractive. This fine shrub is of great value planted as a background for smaller shrubs. It is one of the best shrubs for northern latitudes. 1½ to 2 feet, each 15c, 10 for \$1.25.—2 to 3 feet, each 25c, not prepaid.—Mail size, each 15c, prepaid.

**HYDRANGEAS**—The best flowering shrubs for the Northwest. See page 125.

**JAPAN QUINCE**—Perfectly hardy here, but requires a little protection further north. Bright green, glossy foliage and large, rich scarlet flowers which are very attractive; blooms in early spring. Invaluable for border or garden planting, and make beautiful informal or clipped hedges. 1½ to 2 feet, each 15c, 12 for \$1.50.—2 to 3 feet, each 25c.—3 to 4 feet, each 35c, not prepaid.—Mail size, each 15c, prepaid.

**LILAC, LARGE FLOWERING PURPLE**—Lilacs are very popular and give satisfaction every where. Grows into a very high bush, with bright green, heart-shaped leaves. In May the plant is crowned with its wondrous wealth of light purple, fragrant flowers in clusters. A fine shrub for the lawn and one of the best for a fancy hedge. Hardy everywhere, and of easy culture. 1½ to 2 ft., each 15c, 10 for \$1.25.—2 to 3 ft., each 25c, not prepaid.—Mail size, 15c.

**LILAC, GRANDIFLORA ALBA**—Similar to above variety, very large, pure white, deliciously fragrant. 1½ to 2 feet, each 20c.—2 to 3 ft., each 30c, not prepaid.—Mail size 15c.

**PHILADELPHUS, MOCK ORANGE OR SYRINGA**—A hardy, upright growing shrub with arching branches, attaining a height of 8 to 10 feet. Flowers are large, creamy white, deliciously fragrant, and appear in greatest profusion in May and June; splendid for cut flowers. Hardy everywhere and valuable for the production of immediate effect in landscape planting. Fine for hedges. 2 to 3 ft., each 25c.—3 to 4 feet, each 40c, not prepaid.—Mail size, each 15c, prepaid.

**PHILADELPHUS, AUREA** Golden Leaf Syringa—The prettiest golden leaved shrub for the Northwest, retaining its color all summer. It is of rather dwarf habit, grows very bushy, and makes a very showy shrub for the lawn or border. 1½ to 2 feet, each 15c.—2 to 3 ft., each 35c.—3 to 4 feet, each 50c, not prepaid.—Mail size, each 15c, prepaid.

**SNOWBERRY, WHITE.** Waxberry—Very hardy everywhere; grows 3 to 4 feet high. Flowers white or pinkish, followed by large, pure white, wax-like berries which remain on the bushes till midwinter. 1½ to 2 feet each 15c.—2 to 3 ft., each 25c, not prepaid.—Mail size, each 15c, prepaid.



Spirea Van Houttei.



Philadelphus. Mock Orange or Syringa,

## HARDY CLIMBING PLANTS.

The wonderful grace and beauty of well placed vines add greatly to the comfort and enjoyment of the home. A porch without vines is like a house without occupants. Outbuildings fences and trunks of old trees can also be made very attractive by the use of these hardy vines. We grow a fine assortment of these plants for covering arbors, arches, walls, etc.

The large size plants, which we offer "not prepaid" are extra strong, transplanted field grown plants, 2 and 3 years old.

The mailing size plants are strong, well rooted, 1 year old field plants, and should not be confused with greenhouse grown stock.

**AKKBIA QUINATA**—One of the best and most graceful of our hardy climbers, with deep green, small, clover-like foliage and numberless clusters of violet-brown flowers, which have a pleasant cinnamon odor. Begins to bloom in early spring and continues for many weeks. Does best in sunny locations, on rich, well drained soil, where it will grow 30 to 40 feet high. Strong 2 year old plants, each 25c, not prepaid.—Mail size each 15c, prepaid.

**AMPELOPSIS QUINQUEFOLIA**, Virginia Creeper—This is the true Woodbine or "Five Finger Ivy" with large, handsome leaves deeply cut into five lobes. Its blue berries contrast with the richness of its autumn coloring when the leaves turn a gorgeous crimson. Excellent for arbors, trellises, climbing up trees and stumps and for planting along walls. Will thrive in almost any soil and location, perfectly hardy far north and resists drought well. Strong 3 year old plants, each 25c, not prepaid.—Mail size, each 15c, prepaid.

**AMPELOPSIS ENGELMANNI**, (American Ivy)—A new variety of woodbine which has long been desired. It is better equipped with tendrils by which it will climb walls of stone or brick as closely as the Boston Ivy. This variety has proved itself perfectly hardy in Minnesota, and we have no doubt but that it will occupy the same place in the North and West that the Boston Ivy does in the East. Will grow in almost any soil and withstand drought and heat well. Strong 2 year old plants, each 25c, not prepaid.—Mail size, each 15c, prepaid.

**BITTERSWEET**, (Celastrus)—A very hardy and self twining vine, with rich green foliage and yellow flowers in May and June, followed by large clusters of rich orange scarlet berries, which remain on the vine till late in winter. Very ornamental and entirely free from insect pests. Strong 2 year old plants, each 25c, not prepaid.—Mail size, each 15c, prepaid.

**MATRIMONY VINE**, (Lycium)—A well known, hardy, fast growing vine, handsome when covered with its small, purple flowers and later with its scarlet fruit; useful for covering screens, etc., in the shortest time. Strong 3 year old plants, each 25c, not prepaid.—Mail size, each 15c, prepaid.

**TRUMPET VINE**, (Bignonia)—A robust, woody vine, climbing high and twining tightly with numerous trumps along its stems. Great leathery, trumpet-shaped

flowers of orange-scarlet color, in bloom nearly all summer. Wherever a showy flowering vine is desired it will be found most useful and pretty. Strong 2 year old plants, each 30c, not prepaid.—Mail size, 15c each, prepaid.

### CLEMATIS.

The Clematis should be grown more commonly than they are at present, because there is no other flowering vine which can match them in the splendor of their flowers and their long lasting qualities. If given rich, deep soil and planted 3 in. beneath the surface of the soil, they will grow luxuriantly.

We offer only strong 3 year old Clematis plants, as the smaller plants require considerable care and often fail to grow.

#### LARGE FLOWERING CLEMATIS.

**JACKMANNI, PURPLE**—The well known large flowering purple clematis. The beautiful flowers, when fully expanded measure 4 to 6 inches in diameter, intense violet-purple with a rich velvety appearance, distinctly veined. It blooms abundantly.

**HENRY**—This is the finest of all large flowering white clematis, and should find a place in every collection. It is not only a vigorous grower, but a remarkably free and continuous bloomer.

**MADAME EDOUARD ANDRE**—Has been called the Crimson Jackmanni. The plant is a strong, vigorous grower, and very free in bloom. Flowers large, of bright crimson-red color.

**ROMONA**—Very large, deep sky-blue flowers. A desirable new sort, being a strong, rampant grower, and a perpetual bloomer.

Price of above 4 varieties: Strong 3 year old plants, each 45c, not prepaid.—By mail, 55c each.

#### SMALL FLOWERING CLEMATIS.

**COCINEA**, Scarlet Bell-Flower Clematis—A beautiful and graceful climber, with broad green leaflets and very pretty flowers of intense scarlet color. Blooms freely in June and thruout the summer. Strong 3 year old plants, 35c each, not prepaid.—By mail, each 45c, prepaid.

**PANICULATA**—The small flowering, sweet scented Japan clematis. One of the most vigorous and beautiful of all climbers. In late summer it produces dense sheets of medium sized, pure white flowers of the most pleasing fragrance. Will grow in almost any soil, and is entirely free from blight and insects. One of the finest hardy climbing plants that bloom, for the Northwest. Perfectly hardy in Minnesota. Strong 3 year old plants, each 35c, not prepaid.—By mail, 45c each, prepaid.

**SPECIAL OFFER**—The set of above 6 Clematis, strong 3 year old plants, for \$2.15, not prepaid.—By mail, \$2.75, prepaid.

#### HONEYSUCKLE. LONICERA.

**GOLDEN LEAVED**, (Aurea reticulata)—A very desirable variety with beautifully mottled, yellow and green foliage. Flowers creamy white, very fragrant. It is also used extensively for hanging baskets on porches and verandas.

**HALL'S JAPAN**—A vigorous growing climber, almost evergreen, as it keeps its leaves till January; it is covered from July to Dec. with fragrant flowers which are white, changing to yellow.

**SCARLET TRUMPET**—The hardiest variety; rapid grower, producing scarlet flowers.

### WISTARIA.

Free flowering, ornamental vines, with handsome showy flowers. They are classed among our best and hardiest climbers for training on porches, arbors or trellises. We offer two varieties:

**CHINESE PURPLE WISTARIA**—Bears in great profusion large, drooping clusters of purple, pea-shaped flowers, somewhat resembling a bunch of grapes in size and form. Foliage is pretty.

**WISTARIA ALBA**—A form of the above, but flowers are pure white.

Price for either variety: Strong 3 year old plants, each 35c, not prepaid.—Mail size, 15c each.

### THE BETA GRAPE.

Most desirable of all grapes for covering arbors, porches, etc., often making a growth of 15 to 20 feet in one season. The plant is a strong, vigorous grower and will stand our severe northern winters without protection, yielding an abundance of fruits which are splendid for making wine, jellies, etc. Strong 1 year old plants, each 25c, 12 for \$2.35, prepaid.

**HARDY CLIMBING ROSES**—Minnesota grown. See pages 123 and 124.



Ampelopsis Quinquefolia.



Clematis Paniculata.



## SELECT HARDY PERENNIAL PLANTS

THESE old fashioned hardy garden flowers are coming more into public favor every year; there is no class of plants which will give better or more pleasing results for the money invested, than these hardy varieties, which require very little care and attention and yet yield a rich harvest of bloom, and add considerable in value to your property.

**HARDINESS.** — The varieties not marked are perfectly hardy here without any protection, but those marked (\*) require some covering during winter; however, even the most hardy varieties are greatly benefited by being covered with leaves or some coarse manure, which not only serves as a protection, but also enriches the soil, and this is very important if large, perfect flowers are desired.

**OUR PRICES** on Perennials are for strong field grown roots, including postage; if ordered by express at purchaser's expense, extra large plants will be sent, or some extras put in to help pay charges.

**NOTICE:**—We cannot accept single orders for plants unless amounting to 50 cents, except with general order for nursery stock.

Price, unless otherwise noted: Each 15c, 6 for 70c, 12 for \$1.25, postpaid.

**ACHILLEA.** The Pearl—Flowers of the purest white; borne in the greatest profusion the entire summer on strong, erect stems, 2 feet high; blooms from June till frost; as a cut flower it is of great value. The finest of all plants for cemetery planting.

**AQUILEGIA.** (Columbine) *Cerulea*—This handsome Columbine from the Rocky Mountains is a most striking and showy kind with blue and white flowers; 2 feet high; blooms from June to August.

**AQUILEGIA, CHRYSANTHA.** The Golden Columbine—Flowers very numerous, 2 to 3 inches across, bright yellow. In bloom all summer. Height 3 to 4 feet. Easily grown in any good garden soil.

**ASTER, NOVAE ANGLIAE.** New England Aster, Purple—One of the finest hardy asters, with stout, hairy stems, 3 to 5 feet high. The beautiful violet-purple flower-heads are borne in large corymbs in September and October. Very valuable on account of its late blooming season, at a time, when all other plants are done flowering.

valuable for cutting; the main crop comes during the latter part of June, but it continues in bloom all summer and autumn; succeeds everywhere.

**BLEEDING HEART, *Dielytra Spectabilis***—Is an old-fashioned favorite; its long racemes of graceful, heart-shaped, pink flowers are always attractive. It is perfectly at home in any part of the hardy border and especially valuable for planting in the shade. 12 to 18 inches high; blooms profusely in early spring. The foliage is fern-like and very pretty. Each 25c, postpaid.

\* **CAMPANULA GLOMERATA.** Clustered Bell Flower—Dense clusters of funnel-shaped, violet-blue flowers; plants grow about 18 inches high and are loaded with flowers from June to August. Very pretty and of easiest culture.

\* **CHRYSANTHEMUM.** Maximum — The Shasta Daisy of the Northwest. (See illustration at top of page.) Flowers like the common white daisy, but twice as large, with good stems for cutting. A fine plant for cemetery planting, and easily grown in most any situation.

**COREOPSIS.** Golden Glory—One of the most popular hardy plants. The flowers are a rich golden yellow, of graceful form and invaluable for cutting; the main crop comes during the latter part of June, but it continues in bloom all summer and autumn; succeeds everywhere.

**DAISY, SHASTA** — Well known perennial with large, pure white, daisy-like flowers, with golden center. Very free flowering, on long stems, fine for cutting. Splendid for massing and for window boxes.

**DELPHINIUM.** (Hardy Larkspur) *Formosum*—The old favorite variety with grand spikes of flowers which are intense dark blue with white center, perhaps the most brilliant blue found in flowers. The plant is of vigorous growth, 3 to 4 feet high, very free flowering. Blooms from July to Oct.

**DELPHINIUM.** *Belladonna, Double*—Magnificent new variety with very beautiful, half-double and single flowers of sky-blue color. 2 feet high, blooms from May to September. 35c each.

**DELPHINIUM, CHINENSIS.** Blue Chinese Larkspur—Large spikes of beautiful flowers of a lovely light blue shade. Plants grow 3 feet high. In bloom from June to August.

**DELPHINIUM.** *Chinensis Album* — The White Chinese Larkspur. Similar to above variety, but flowers are of a beautiful clear white color. Blooms very freely.

**DELPHINIUM.** *Mrs. Thompson*—A new sort. Flowers clear, dark blue with white eye, very pretty and striking color combination. 3 feet high, blooms from July to August. Splendid plant for the border and for grouping among shrubs. 25c each.

**DIANTHUS, BARBATUS**—See Sweet William.

**DIANTHUS.** *Plumarius Semperflorens*—Everblooming hardy garden pinks. Old favorites, bearing sweet, clove-scented, pink and white colored flowers in the greatest profusion from May until frost. A low growing plant, splendidly adapted for borders and solid beds; of easiest culture, will thrive most anywhere.

**DIGITALIS or FOXGLOVE** — An old-fashioned flower that should be planted in quantity. Succeeds under all conditions and furnishes a grand display during July and August. The beautifully colored flowers are very showy, tumbler-shaped and are borne close together on stalks 3 to 4 feet high. For backgrounds and contrast among shrubbery, it is a very fine plant. Grows well in a half shady position.

\* **GAILLARDIA.** *Grandiflora.* Blanket Flower—One of the showiest and most effective hardy plants, growing about 2 feet high and blooming from June till frost. The large flowers are of gorgeous coloring, the center being of dark red-brown, while the petals are marked with rings of brilliant crimson, orange and vermillion; excellent for cutting.

**HELIOPSIS PITCHERIANA.** Everblooming *Oxeye*—A desirable perennial, beginning to flower early in the season and continuing the entire summer. The flowers are of a beautiful deep golden yellow, about two inches in diameter, of very thick texture and very useful for cutting. This plant is a treasure for dry soils; it grows freely everywhere, forming graceful bushes 2 to 3 feet high.



Dianthus Barbatu. Sweet William.



Aquilegia.

# Hardy Perennials. Cont'd.

Price, unless otherwise noted, each 15c, 6 for 70c, 12 for \$1.25, prepaid.

\* **HIBISCUS, Crimson Eye** — Flowers of immense size, often measuring 20 inches in circumference. The color is of the purest white, with a large spot of deep velvety crimson in the center. Plants grow 3 to 5 feet tall, blooming for a long period.

**HOLLYHOCKS** — Among the very finest of old hardy garden plants the Hollyhock still holds a proud place. It has the largest flowers and widest range of colors among tall garden plants. Flowers are very showy, produced in great abundance on long towering spikes. Height 6 to 8 feet. Blooming period June to August. We can furnish the **Double White—Double Bright Red—Double Pink—Double Maroon—and Double Yellow**. Each 20c, 3 for 50c, prepaid.

**LYCHNIS CHALCEDONICA, Maltese Cross** — A charming old-fashioned flower with the petals arranged in form of a Maltese Cross. Stems tufted, 2 to 3 feet tall, producing compact heads of brilliant scarlet flowers thruout the summer. Very free flowering and desirable. Each 20c, 3 for 50c, prepaid.

**LILY OF THE VALLEY** — One of the most charming spring flowering plants; universally admired for its neat, fragrant, pure white, bell-shaped flowers; like most other plants it repays amply if treated well.

**PLATYCODON, Album, White Chinese Bell Flower** — An extra good, very hardy and free flowering plant, growing 1½ to 2 feet tall, bearing handsome, large, star-shaped blossoms of pure white color. Blooms from June till October. One of the most beautiful plants for the garden.

**PLATYCODON, Marlesi** — A lower and more compact form of the above, with stouter stems and larger flowers. The contrast of the lovely blue blossoms with the glaucous leaves is exceptionally fine.

**PYRETHRUM HYBRIDUM** — One of our best spring flowering perennials, of great value for cut flowers. Beautiful feathery foliage and large, double flowers of rich color on long, wiry stems, 18 inches high. We offer the new **Double White—Double Crimson—Double Pink**. Each 35c. — **Single Flowering Hybrids, Mixed**. Each 20c, 3 for 50c.

**RUBBECKIA, "Golden Glow"** — A fine hardy plant that should find a place in every garden. It will be found excellent for cut flower purposes. The plant attains a height of 4 to 6 feet and will produce hundreds of large double flowers of brilliant, golden-yellow color from July to Sept.

**SCABIOSA, Japonica** — A beautiful perennial from Japan. The large lilac-blue flowers are borne on long stems from early summer until late fall. A splendid cut flower; the flowers will keep a long time. In full bloom late in fall, when most flowers have succumbed to frost. The plant grows 2 to 3 feet high.

**SEDUM, SPECTABILIS, Brilliant Stone Crop** — One of the most showy Sedums under cultivation. Grows 12 to 15 inches high and withstands our northern winters without injury. It is one of our finest late blooming border plants, producing broad, showy heads of rose colored flowers. The rich, glaucous leaves make the plant effective even when not in bloom.

**YUCCA, Adam's Needle** — A very fine ornamental foliage and flowering plant. Its broad, sword-like foliage, and tall, branched spikes of large, fragrant, drooping, creamy-white flowers borne during June and July make it an effective plant for all positions. A fine plant for lawn or cemetery. Each 20c, 3 for 50c, prepaid.



Achillea.  
See page 119.

## SWEET WILLIAM.

**Dianthus Barbatus.**

These charming old-fashioned hardy plants are great favorites in every garden. Stems grow 12 to 18 inches high. Flowers are borne in greatest profusion in large, round-topped clusters. We offer the following varieties:

**Scarlet Beauty** — Large flowers of intense scarlet. A bed of these produces a vivid effect.

**White Queen** — Pure white, very large flowers, of dwarf growth. Fine for beds and edging.

**Double White** — Very beautiful, large flower heads and glistening clear white, full flowers.

**Double Mixed Varieties** — A very fine assortment of many colors and shades.

## PANSY PLANTS.

We grow large quantities of these popular bedding plants and use only the very best strains of the **Giant Flowering varieties**. Our plants are strong and vigorous and have beautiful, large, velvety flowers of all shades and colors known in pansies. Dozen 40c, 4 dozen \$1.25, prepaid.

## GERMAN IRIS.

**IRIS GERMANICA.**

The Orchid Flowered Iris. — **Fleur de Lis.**

The German Iris is one of the most desirable early spring flowering plants. The flowers are very large, rich and beautiful in color and of graceful orchid-like form; a well established plant produces from 50 to 100 spikes of bloom which are very fragrant and fine for cutting. Time of flowering May and June. The plants are perfectly hardy, thrive anywhere and bloom luxuriantly.

**FLORENTINA** — Creamy-white, large flowers, sweet scented and free flowering. Blooms very early.

**MADAM CHEREAU** — Pure white, daintily edged with light blue, very beautiful. Flowers are borne on strong upright stems that grow 2 to 3 feet tall.

**AUREA** — Large flowers of a pleasing shade of yellow, rivaling the finest orchid.

**BLACK PRINCE** — Standards purple-lilac, falls or drooping petals rich velvety black. The darkest colored of all irises.

**FLORENTINA BLUE** — Beautiful sky-blue flowers, falls of a lighter shade.

**HONORABLE (Sans Sauci)** — Standards golden yellow, falls rich mahogany brown, a most effective combination of colors.

**MRS. DARWIN** — Clear satiny-white standards, falls white with violet veins. Very beautiful and free flowering. Two feet high; blooms late.

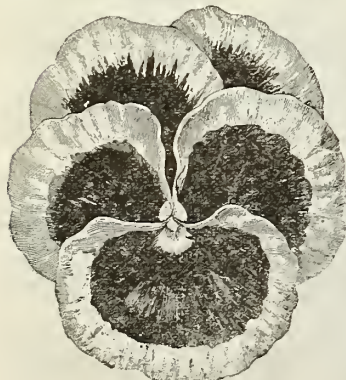
**QUEEN OF MAY** — Lavender pink, blended with white; distinct and pretty.

Price: Any of the above Iris, each 15c, dozen \$1.50, prepaid. — The set of the above 8 kinds, one each, for \$1.00, prepaid. — Mixed sorts, each 10c, dozen \$1.00, prepaid.

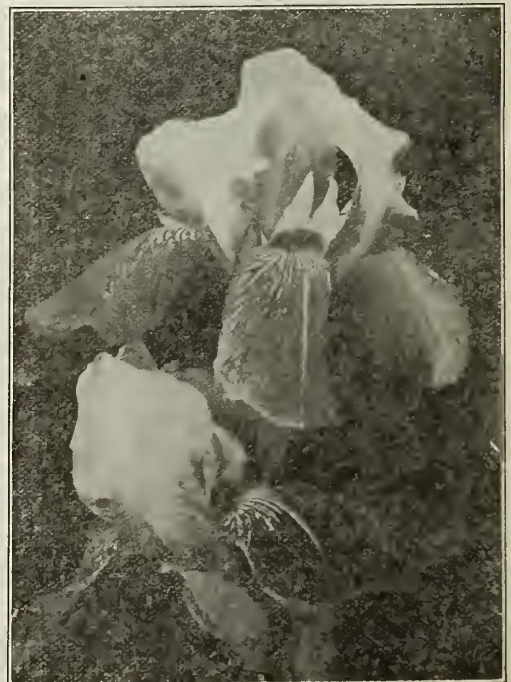
**WINTER BLOOMING BULBS** for house culture and for early spring blooming in the garden are planted in Fall. Write for price list.



Platy-codon.



Pansy.



German Iris.

# JAPANESE IRIS. *Iris Kaempferi*.

A splendid hardy plant of easy growth, flourishes in any good garden soil but delights in cool, moist places. Few people are aware of the great beauty of this class of Iris which commences blooming about the middle of June and continues for five to six weeks. The flowers are truly wonderful in their exquisite coloring and many of them are of great size, measuring 8 to 10 inches in diameter. A well established plant produces ten or more flower stalks two to three feet high, each stalk bearing two to four flowers.

**BANDIA-NO-NAMI**—Beautiful, large clear white flowers with creamy-white standards.

**BANRI-NISHIKI**—Waxy-white, with lavender veins, a delicate colored flower of exquisite beauty.

**ECLIPSE**—Double flowers of velvety crimson-purple color, with prominent markings in pure golden yellow. Extremely large flowers with six wide petals. Blooms late.

**GOLD BOUND**—Double pure white with a golden band in center of each petal. One of the finest and best.

**PURPLE AND GOLD**—Enormous double flowers, often 10 inches across. Color rich violet-purple with white petaloids, tipped violet, golden yellow band on center of each petal.

**SHIKAI-NAMI**—Fine large, broad flowers of a lovely blue. New variety of rare beauty.

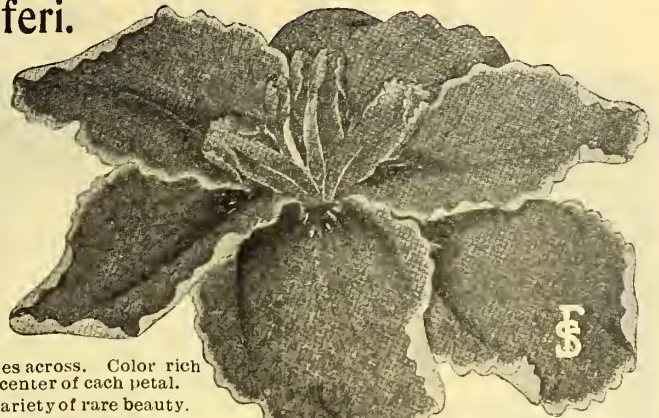
**SHISHI-HO**—Double blue, veined white, base of petals yellow. Unique combination of colors

**SHU-CHU-NO-HANA**—Double white, petals edged with red, base of petals yellow.

**UGI-GAWA**—Large, three petaled flowers, white, splashed with yellow, scarlet at the edges.

**USHIO-NO-KOMURI**—Very delicate blue, end of petals of darker shade.

Above varieties, each 25c, 12 for \$2.50, prepaid.—Mixed varieties, each 15c, 12 for \$1.50, prepaid.



Japanese Iris.

## Six Lovely New PHLOXES.

**ETNA**—Perfectly formed, large flowers of bright scarlet with crimson eye. One of the finest Phloxes in cultivation and very showy and effective in mass plantings. Each 25c, 12 for \$2.50.—Postpaid 30c each.

**EXTRAVAGANCE**—The flowers of this new introduction are distinct in color from any other Phlox. Large flower heads with very large blooms of beautiful lavender-blue, with faint white stripes radiating from the center of blossom outward. 30c each, 12 for \$3.00.—Postpaid 35c each.

**IRIS**—Bluish-violet, with large blue center, large flowers. Plant robust and in bloom a long time. New and rare sort. Medium tall, mid-season. Each 30c, 12 for \$3.00.—Postpaid 35c each.

**LA VAGUE**—Large flower trusses with large size blooms of pure mauve-pink with bright anilin-red eye. A splendid variety and free bloomer. Each 25c, 12 for \$2.50.—Postpaid 30c each.

**MIE. PAPE-CARPENTIER**—Of dwarf growth and blooming very early. Flowers of good size and perfect form, glistening pure white. A very fine Phlox. Each 25c, 12 for \$2.50.—Postpaid 30c each.



Plant of Hardy Phlox.

**PECHEUR D' ISLAND**—Very large flowers of glowing salmon-red color, making a grand showing when planted in groups. A fine bloomer and strong grower. Each 25c, 12 for \$2.50.—Postpaid 30c each.

## TWELVE OF THE BEST HARDY PHLOXES.

**BERANGER**—Ground color white, delicately suffused with pink, distinct red eye. Dwarf, blooms early.

**BRIDESMAID**—Pure white, with large crimson center. Dwarf, mid-season.

**COQUELICOT**—Large, brilliant orange-scarlet flowers; large and compact truss. A bed of these will make a wonderfully brilliant effect. Dwarf, blooms mid-season.

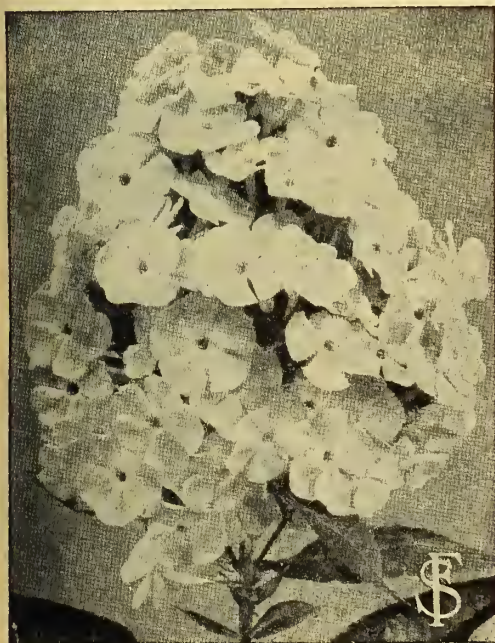
**FRAULEIN VON LASSBURG**—Extra fine variety. Immense panicles of purest snow-white color. Remains in bloom a long time. Tall, blooms mid-season.

**JAMES GARLAND**—Pure white with large crimson center, a beautiful and showy sort. Tall, blooms late.

**JEANNE D' ARC**—Fine white Phlox, best late flowering sort of that color. Strong grower.

**LE MAHDI**—Metallic, rich bluish-violet flowers on fine large trusses, a prolific bloomer. A very fine dark colored variety.

**LUMINEAUX**—Large flowers of bright rose, with bluish center, a lovely color. Tall, blooms late.



Phlox—Von Lassburg.

**PANTHEON**—Bright deep salmon rose, very effective for bedding. Large flowers, a very fine variety. Tall, blooms mid-season.

**RICHARD WALLACE**—Clear white with very large maroon center. Tall, mid-season.

**SIR EDWIN LANDSEER**—Bright, glowing crimson. Best red sort, free bloomer. Tall.

**SUNSET**—Large trusses of beautiful dark rosy-pink flowers. Plant robust, medium high.



Phlox—Sunset.

Price of the above named varieties of Best Hardy Phlox: Strong, field grown, vigorous roots, each 20c, 12 for \$2.00, not prepaid.—By mail, 25c each, postpaid.

# F. S. & N. CO'S GORGEOUS PAEONIES.



Paeony—Festiva Maxima.

The Paeony is a noble flower, almost rivaling the rose in coloring and perfection of bloom, and producing during its flowering season a gorgeous effect, not surpassed by any other flower. It is perfectly hardy, requiring no protection whatever; is not troubled with insect pests or diseases of any kind, and once planted takes care of itself, increasing in size and beauty each year. No other flower is so well adapted for large showy bouquets. The Paeony may be planted either singly on the lawn or in border; where the lawn is extensive, a large bed makes a grand showing. Blooms in June. The roots should be planted so that the crowns are covered with not more than two inches of soil.

**NOTICE:**—Prices quoted on strong 2 year old roots do not include transportation charges. Mail size plants are prepaid.

## FIVE SUPERB NEW VARIETIES.

**FELIX CROUSSE**—Brilliant, dazzling dark red, enormous, massive, ball-shaped flowers of compact and beautiful form, quite fragrant. Free mid-season bloomer, a strong and vigorous grower. The finest red Paeony in cultivation. Be sure to include this in your order. Strong 2 year roots, each 60c.—Mail size, 40c each, prepaid.

**GOLDEN HARVEST**—Very large, ball-shaped flowers. Guard petals lilac rose, center creamy white. Plants of medium height, very hardy, does splendidly in the Northwest. Blooms early mid-season. Strong 2 year roots, each 60c.—Mail size, each 40c, prepaid.

**MEISSONIER**—Fine large flowers, purplish-red with crimson center; brilliantly effective as a single plant or in groups. Very fragrant, a very fine dark colored Paeony. It blooms mid-season. Strong 2 year roots, each 75c.—Mail size, each 50c, prepaid.

**MIDNIGHT**—The Black Paeony. Large loose flowers of brilliant deep purplish-crimson color. A strong grower with stiff flower stems. The darkest Paeony in cultivation. Strong 2 year roots, each 60c.—Mail size, each 40c, prepaid.

**ROSEA SUPERBA**—Perfectly formed, compact flowers of brilliant cerise-pink color, a most beautiful shade. Plants of healthy growth, with strong stems. Splendid cut flower. Strong 2 year roots, each 65c.—Mail size, each 45c, prepaid.

## THE BEST STANDARD SORTS OF PAEONIES.

Price of the following varieties (except where otherwise mentioned): Strong 2 year roots, each 30c, 12 for \$3.00, not prepaid. Mail size, each 20c, 12 for \$2.00, prepaid.

**AGNES MARY KELWAY**—Large and superb flowers, deep violet-rose with a cream-white collar; decidedly fragrant. Very free flowering. Blooms mid-season. 2 year roots, each 40c.—Mail size, 30c.

**DUCHESS DE NEMOURS**—Splendid cup-shaped flower, fine brilliant pink, intermixed with sulphur-white. Very large blossoms, and an excellent cut flower. Blooms early.

**ELEGANS**—Beautiful lilac-white, flecked crimson; fine full flower. Plant robust and free flowering.

**L' ESPERANCE**—Large, loose, flat flower, lovely shade of bright pink. Early, very free bloomer, fragrant. Strong grower, upright in habit. A favorite sort. 2 year roots, each 40c.—Mail size, each 30c.

**LOUIS VAN HOUTTE**—Very dark brilliant red, large and beautiful rose-like flower, fragrant. One of the best late flowering sorts. A free bloomer.

**MODESTE GUERIN**—Very large, ball-shaped, full and compact. Superb bright rosy-pink with darker center. Very free flowering and fragrant. Exceptionally strong, rigid stems. Mid-season. An extra good variety. 2 year roots, each 40c.—Mail size, each 30c.

**PRINCE IMPERIAL**—Brilliant purplish-crimson flowers of good size. One of the finest real dark paeonies.

**PURPUREA SUPERBA**—Large, double flowers of glowing, deep purplish-red color. Outside petals large, center small and compact. Plant robust and tall. Fine late bloomer.

**QUEEN VICTORIA**. (*Whitleyia*)—A lovely paeony. Loose globular flowers, white petals, center straw color with an occasional crimson blotch; fragrant. Strong grower and free bloomer.

**TRIOMPHE DE L' EXPOSITION DE LILLE**—Extra large, imbricated flower; soft carnation pink, with white reflex, carmine center; very beautiful and delicate coloring. One of the best. Plant is vigorous and a free bloomer. Medium early in season.

## Paeonies in Mixture.

We have a few thousand mixed Paeonies of the best and finest double kinds, of all shades and colors, including many fine varieties. This is an extra good mixture, and at the low price we ask, everyone should plant a dozen or more of these lovely Paeonies, which we offer: Mail size, each 15c. 3 for 40c, 12 for \$1.40, prepaid.—Strong roots, each 20c, 3 for 50c, 12 for \$1.65, 100 for \$12.00, not prepaid.

*I wish to thank you for prompt attention and the well selected stock sent me. The Rose plants are exceptionally fine healthy plants for the price asked, and the Dahlias were very fine and arrived in first class condition.*  
E. F. GROSS, Missoula, Mont.

*Last year I received from you Nursery Stock, Bulbs and Seeds and found them O. K. in every way.* O. P. Danielson, Inverness, Mont.



Paeony—Felix Crousse.

F.S. & N. CO'S Selected Hardy Roses



**Hardy  
Minn.  
Grown  
Roses.**

Roses are justly popular with every lover of beautiful flowers, and few plants give better satisfaction, when properly treated, than Roses. To obtain the best results, roses should be planted in rich, well drained soil, and given a location where they will have sunlight and a free circulation of air. For winter protection an application of compost should be given them in late autumn, and spaded into the ground the following spring. In the North the plants should be bent down and covered with earth before the ground freezes in the fall, or if too large for this, wrap them in straw and burlap. The Hybrid Perpetuals will bloom finer if cut back in the spring to about one foot from the ground.

ALL OUR ROSES ARE 2-YEAR-OLD, STRONG FIELD GROWN PLANTS. THE VARIETIES WE OFFER ARE THE HARDIEST AND MOST DESIRABLE.

**VARIOUS NEW AND CHOICE ROSES.**

**BETTY**—A beautiful new Hybrid Tea Rose of charming color and form. Color a coppery rose, overspread with golden yellow. Its blooms are extremely large, fairly full, and of glorious form. Vigorous, erect; flowers all season and is deliciously perfumed. **Each 50c.—Prepaid 60c.**

**DEUTSCHLAND**—Extra choice Hybrid Tea Novelty Rose. The flowers are unusually large, very full, of perfect globular form and golden yellow color, with a faint touch of silvery-pink, giving a most beautiful color effect. Plant is of strong, sturdy growth and a constant bloomer, producing its many flowers on long, stiff stems. A splendid rose for garden and house culture; one of the best new roses brought out in recent years. **Each 60c.—Prepaid 70c.**

**JONKHEER MOCK**—Hybrid Tea Rose. A novelty of distinct merit. Color is a rich carmine, changing to imperial pink. The blooms, which are produced with the greatest freedom, are carried on stiff and erect stems, and are of large size, perfect formation and highly perfumed. Growth is vigorous and free. **Each 50c.—Prepaid 60c.**

**THOUSAND BEAUTIES OR "TAUSENDSCHEN"**—A sensational new Climbing Rose from Germany, producing on the same bush, so many different colored flowers that it is impossible to describe the variations. Blooming profusely from the beginning of June until the last of July, the double flowers appear in large clusters. The colors run from tender rose thru the intermediate shades of bright rose and carmine, with white and yellow tints showing. There is no other rose in cultivation like it. **Each 50c.—Prepaid 60c.**

**HARDY DWARF POLYANTHA OR BABY ROSES.**

These are entirely distinct from the larger flowered sorts and there is a place for them in every garden, being so hardy and adapted to so many uses. Masses of 25 or more together will be found to make a very effective planting. For permanently edging walks or flower beds they have no equal, keeping up a splendid show all summer thru. The plants are very hardy and require little care.

**BABY ERNA TESCHENDORFF**—The beautiful new double flowering Baby Rose. Color of the flowers is the brightest red, being superior to the Crimson Baby Rambler. The flowers are produced in constant succession thruout the whole season.

**BABY DOROTHY PERKINS**—Similar to the lovely Dorothy Perkins climbing rose, but of dwarf growth. Flowers double, sweet-scented, of a beautiful shell-pink color.

**BABY TAUSENDSCHEN**—An exact counterpart of the grand climber "Tausendschen", except in habit of growth. The plants are sturdy and bear immense trusses of double flowers of a large size.

Above 3 Baby Roses, 2 year field plants, each 35c, 12 for \$3.50, not prepaid.—Prepaid 45c each.

**BEAUTIFUL IRONCLAD RUGOSA ROSES.**

Rugosa Roses and their hybrids seem especially suited for our northern climate, the plants being as hardy as oaks, and do well most anywhere.

**BLANCHE DOUBLE DE COUBERT**—See Novelty Roses.

**CONRAD F. MEYER (The New Tea Rugosa)**—Splendid, large, elegantly formed buds and flowers, 3/2 to 4 inches across and quite double. Color rich peachy yellow, delicately tinged with silver-rose; very fragrant, entirely hardy.

Price on above 3 Rugosa Roses, 2 year plants, each 35c, 12 for \$3.50, not prepaid.—Prepaid each 45c.

**RUGOSA RUBRA**—(True Rugosa Type.) The popular hedge rose. Beautiful single, light red flowers thruout the summer, followed by vivid scarlet seed vessels in the fall. Very free flowering and hardy.

Price of Rugosa Rubra and Alba. 2 year strong, field grown plants, each 25c, 12 for \$2.50, not prepaid.—Prepaid each 35c.

**LEUCHTFEUER**—New Everblooming Hybrid Tea Rose. Flowers large, very double, rich blood-red with brilliant, glowing scarlet, very sweet scented. An excellent rose with beautiful foliage and free-blooming qualities, being in flower almost constantly until late fall. A group of "Leuchtfeuer" will make a very showy effect in the garden. **Each 50c.—Prepaid 60c.**

**BLANCHE DOUBLE DE COUBERT**—New Double Flowering Rugosa Rose. A fine double pure white flowering variety, producing clusters of from 5 to 10 flowers, which are decidedly fragrant. It is a vigorous, rampant grower, very free blooming and almost perpetual flowering. **Each 40c.—Prepaid 50c.**

**EVERBLOOMING CRIMSON RAMBLER**—"Flower of Fairfield"—Of the new Hardy Climbing Roses introduced in the past few years, this is doubtless one of the best. Its fine crimson flowers are produced in profusion, and are more lasting and brilliant than the common Crimson Rambler. The growth is vigorous, flowering freely and continuously thruout the season. **Each 50c.—Prepaid 60c.**

**THE BLUE ROSE "VEILCHENBLAU"**—The wonderful new Climbing Rose. The flowers are produced in clusters, similar to Crimson Rambler, are semi-double in form, of medium size, and are borne profusely; the color is steel blue, very similar to that seen in the delicate blue of the flower of Clematis Jackmani. It is a strong, vigorous climber, and as a porch cover, or grown on a pergola, is superior to the Crimson Rambler. **Each 50c.—Prepaid 60c.**

**CRIMSON BABY RAMBLER**—One of the best hardy bedding roses in existence. The plants are very vigorous and grow 18 to 24 inches high. The semi-double flowers are borne in clusters of 20, 30 or more to the cluster. It blooms all the time indoors and from May to November outdoors.

**WHITE BABY RAMBLER**—A beautiful little bedding rose. Blooms all summer thru with amazing freedom. Flowers creamy white passing to snow white.

**YELLOW BABY RAMBLER**—Same as the above Baby Ramblers, but flowers are of bright yellow color.

Above 3 Baby Ramblers, 2 year field plants, each 25c, 12 for \$2.50, not prepaid.—Prepaid 35c each.

**HANSA**—Very large semi-double flowers of brilliant red color. Strong grower, with beautiful, wrinkled foliage.

**ROSERAI DE L'HAY**—New and distinctly meritorious; produces an intense and exquisite perfume, because of which it is used to make the attar of roses. Flowers bright violet-red, very free bloomer.

Price on above 3 Rugosa Roses, 2 year plants, each 35c, 12 for \$3.50, not prepaid.—Prepaid each 45c.

**RUGOSA ALBA**—Similar to the Rugosa Ruhra, except in color. Single pure white flowers of five petals and highly scented, followed by pretty berries.



Rose—Tausendschen.

**BETTY**—See under "New and Choice" Roses.

**CAPTAIN CHRISTY**—A very beautiful flesh-pink rose, large and free blooming, deepening to a rosy crimson at the center.

**CLOTILDE SOUPERT**—A truly wonderful bloomer, producing clusters after clusters of the finest formed flowers. Full and double, and deliciously sweet. The color effect is beautiful—ivory-white, shading toward the center to silvery rose. A strong dwarf grower.

**GRUSS AN TEPLITZ**—Unquestionably the finest brilliant red, hardy, everblooming garden rose. The flowers are very showy and handsome. It blooms constantly.

#### THE FOUR HARDIEST MOSS ROSES.

These fine Moss Roses deserve a place in every garden. They are perfectly hardy and very desirable for outdoor culture. The flowers and buds are very large and handsome; remain in bloom a long time and are highly prized for their beautiful moss covering.

**BLANCHE MOREAU**—Large double, pure white flowers of perfect form, produced in clusters. Fragrant and beautifully mossed.

**CRISTATA**—A fragrant, beautiful, deep pink colored moss rose.

**LUXENBURG**—Flowers of rich glowing crimson, beautifully mossed.

**PRINCESS ADELAIDE**—Beautiful reddish blush, large double flowers.

Price of above Moss Roses, strong 2 year old field plants:  
Each 30c, 3 for 80c, 12 for \$3.00, not prepaid.—By mail prepaid, 40c each.

#### HARDY FREE FLOWERING CLIMBING ROSES.

These Roses will add greatly to the beauty of your home and can be put to numerous uses. As an ornamental plant for covering porches, side walls, pillars, archways, fences, etc., they are unequalled, calling forth more admiration than anything else that can be similarly used. They are very hardy.

Price, 2 year field plants, each 30c, 12 for \$3.00, not prepaid.—Prepaid each 40c.

**BALTIMORE BELLE**—Very double flowers in fine clusters. Beautiful soft blush, turning pure white when fully open. Very hardy and of rapid growth.

**PRAIRIE QUEEN**—Color bright pink, sometimes with a white stripe. Large, compact and globular; very full and double.

**SEVEN SISTERS**—An old and very popular rose, producing splendid, large clusters of flowers which turn almost pure white. One of the hardiest roses.

**THOUSAND BEAUTIES** or **Tausendschön**—See under "New" Roses.

#### HARDY RAMBLER ROSES. (CLIMBERS.)

No class of roses has come into popular favor so rapidly as these. Of hardy, sturdy nature, a vigorous and quick grower, producing the lovely flowers in truly wonderful profusion. The flowers are borne in immense clusters, each one forming a nice bouquet in itself. Hardy everywhere.

Price, 2 year field plants, each 30c, 12 for \$3.00, not prepaid.—Prepaid each 40c.

**NEW EVERBLOOMING CRIMSON RAMBLER**—See under "New" Roses.

**NEW BLUE RAMBLER**—See under "New and Choice" Roses.

**CRIMSON RAMBLER**—Bright crimson, semi-double flowers.

**WHITE RAMBLER**—Small, pure white flowers, very fragrant.

**YELLOW RAMBLER**—Lovely flowers of bright yellow color, very fine.

**DOROTHY PERKINS**—Double, sweet-scented flowers of a shell pink color.

**TREE ROSES.**—These Tree Roses are grafted on extra hardy stems 4 to 5 feet high, and thus form tree shapes. When in full bloom the little trees are exquisitely handsome, and they make lovely specimen plants for the lawn or border. A row of Tree Roses along the sidewalk leading to the house or along the driveway will make an object of great beauty. We can supply Hardy Perpetual Tree Roses in the following colors: **WHITE—SCARLET—PINK.** Price 85c each, not prepaid.

When tree roses are ordered separately, without general nursery stock order, add 25 cents extra for packing.

## HARDY ROSES. Continued.

### HARDY HYBRID PERPETUAL ROSES.

These roses combine hardiness, vigor of growth and size of flower with great variety of color. They are rapid and strong, hardy growers, bearing large, globular flowers. Valuable for beds and borders especially in the northern states.

Price of all varieties: Strong 2 year old field plants, 30c each, 3 for 80c, 12 for \$3.00, not prepaid.—By mail prepaid, same size plants, 40c each.

**AMERICAN BEAUTY**—Flowers very large, globular, deep brilliant pink, shaded with carmine, of delicious fragrance. Very hardy and valuable for garden and house culture.

**ANNA DE DIESBACH**—Bright rose, very large and showy, long pointed buds.

**BARON DE BONSETTIN**—Rich, dark red passing to deep velvety maroon, double and full. Very dark colored rose.

**BARONESS ROTHSCHILD**—Light pink, very large and full and of beautiful form.

**CLIO**—Flesh color shaded to center with rosy-pink, a vigorous grower with fine foliage.

**COQUETTE DES ALPES**—Large, full flowers, pure white, tinged with pale blush.

**FRAU KARL DRUSCHKI OR SNOW QUEEN**—Also called White American Beauty. Very large, pure white flowers; fine long and pointed buds. Delightfully fragrant.

**GENERAL JACQUEMINOT**—Brilliant crimson, large and effective, very fragrant. Noted for its richness of color and fragrance. "Jack Rose" is a great favorite with everybody.

**GENERAL WASHINGTON**—Bright red, shaded crimson, very large and perfectly double. The plant is of dwarf growth and blooms freely.

**HARRISON'S YELLOW (Austrian Briar)**—Fine double, pure golden yellow flowers. Very hardy and desirable. In pruning this rose cut out the dead wood only.

**MAD. PLANTIER**—Pure white, large and double; a free and continuous bloomer.

**MAGNA CHARTA**—Pink, suffused with carmine; flowers globular and very fragrant.

**PAUL NEYRON**—The largest rose in cultivation, sometimes called the Pæony Rose. Color bright, fresh cerise-red. Flowers are very double and full; delightfully fragrant.

**PERSIAN YELLOW (Austrian Briar)**—The hardy yellow rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens.

**VICTOR VERDIER**—Rosy carmine, large and double flowers; hardy, free flowering.

### HARDY EVERBLOOMING HYBRID TEA ROSES.

These roses are so highly valued because of their fine colors and exquisite tea fragrance. They will bloom freely from June until severe frost. All have those much desired, long-pointed buds and are borne on strong stems which make them valuable for cut flowers.

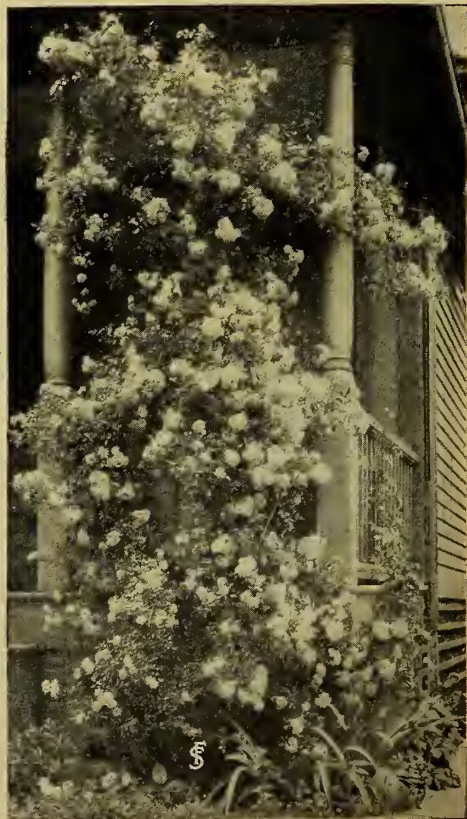
Price of the following Hybrid Tea Roses, 2 year field plants:  
Each 35c, 12 for \$3.50, not prepaid.—By mail 45c each, prepaid.

**JONKHEER MOCK**—See under "New and Choice" Roses.

**KAISERIN AUGUSTA VICTORIA**—One of the best white roses, either for bedding or for cut flowers. A tinge of lemon in the center adds to its beauty.

**KILLARNEY**—A strong, robust grower and a free, continuous bloomer. The color is brilliant sparkling pink; the flowers are extra large and full, with broad, thick petals and delightful fragrance.

**MAD. ABEL CHATENAY**—One of the very best roses of its color—rosy carmine, with darker shade. Beautiful flowers, which are full deep and double. A very hardy rose.



Rose—New Everblooming Crimson Rambler



# NOVELTIES & SPECIALTIES.

## HARDY HYDRANGEAS.

THE BEST FLOWERING SHRUBS FOR THE NORTHWEST.

**HYDRANGEA, PANICULATA GRANDIFLORA.** Large Flowered Hydrangea — (See illustration on page 116.) — The flowers, which are borne in great pyramidal panicles, a foot long, during August and September, at a time when few shrubs are in flower, are white when they first open, gradually changing to rose color, and remain in good condition for weeks. They dry like everlasting flowers and can be kept indoors all winter. The plants are hardy as the oak, grow 4 to 6 feet high and bloom the same season they are planted. Unsurpassed for specimen plants or groups on the lawn, in parks or cemetery. Strong bushy plants, 1½ to 2 feet, 25c each.—2 to 3 feet, each 35c.—3 to 4 feet, extra fine, each 50c, not prepaid.—Mail size, each 15c, prepaid.

**TREE HYDRANGEA**—The above described large flowered variety. These fine trees are 4 to 5 feet high with good stems and splendid crowns. They are very effective for the lawn or park; or planted along the sidewalk or driveway about ten feet apart, they make a most beautiful sight when in full bloom. Perfectly hardy. Plant one or more of these beautiful trees and you can show your friends something extra nice and not commonly seen. Each 75c, 3 for \$2.00, 12 for \$7.00, not prep'd.

**HYDRANGEA, ARBORESCENS.** Everblooming or Snowball Hydrangea— This magnificent Hydrangea shrub is one of the most valuable and beautiful shrubs for the American garden, coming into bloom just after the passing of all the early spring shrubs and continues in bloom from June thru August. The form of the flower is more like that of the Snowball than that of the Hydrangea, hence the name; the blooms are of the very largest size and pure snow white color. Thrives well in the North. 12 to 18 inches, each 25c.—1½ to 2 feet, each 35c.—2 to 3 feet, each 50c, not prepaid.—Mail size, each 15c, prepaid.



**Hydrangea Paniculata.**  
The large flowering Hydrangea in Tree Form.  
A splendid ornamental for the lawn.

### New Everblooming BUTTERFLY BUSH. BUDDEIA MAGNIFICA.

One of the most desirable summer flowering shrubs, beginning to bloom in July it continues until cut by severe frost. The flowers are of a pleasing shade of deep violet-rose, and are borne in dense cylindrical spikes, which, under liberal cultivation, are from 10 to 12 inches in length by 3 in. in diameter; it succeeds everywhere and flowers freely the first season planted, and is always admired. The foliage and blooms are exceedingly fine, making splendid cut flowers. The name "Butterfly Bush" was applied to this plant because it attracts butterflies in large numbers. A very desirable perennial for the hardy border or as a specimen plant in the lawn and garden. Very hardy, will thrive anywhere and bloom all summer. Of such easy culture and so free flowering and beautiful, that everyone will be delighted with it. One year plants, each 25c; strong 2 year field plants, 40c each, prepaid.

New Everblooming Butterfly Bush.

### NEW CURRANT—Holland Tree.

A new large fruited, hardy currant growing in tree form, with well branched crown. The little trees are the most prolific bearers we have ever seen, each branch being well loaded with long clusters of large berries, which are of bright red color and superior in flavor. The plant is of quick and robust growth, bearing early and abundantly every year. Fruit is long-stemmed, allowing easy picking. Splendid trees, 2 to 3 feet high, each 35c, 12 for \$3.50, not prepaid.

### NEW THORNLESS BLACKBERRY.

The remarkable Thornless Blackberry is a Luther Burbank introduction and is something entirely new. Any one who has ever picked a blackberry has doubtlessly wished that the sharp, annoying thorns were absent. Aside from the pain and frequent serious results caused by the sharp thorns which invariably grow upon all blackberry vines heretofore known, the thorns offer a very serious impediment to the commercial grower. It is very obvious that if the thorns were absent many more quarts of berries could be gathered each day by the berry-pickers. Realizing the great advantages which would accrue if an absolutely thornless blackberry were produced, Luther Burbank for many years has devoted a very considerable amount of his time to the production of such a berry. It proved one of the most difficult tasks which ever confronted him, but he succeeded.

For the first time in the history of mankind, a practical, commercial, absolutely thornless blackberry is announced. The new Thornless Blackberry, which is now ready for distribution, in addition to being absolutely thornless, is a very unusual producer. The berries are borne in great profusion in immense clusters and are slightly oblong in shape. It is an early bearer, the fruit being of good quality, plump, firm and quite uniform in size. It is also a very good shipper. The stalks are exceedingly thrifty growers and are entirely thornless. Price for strong transplants: Each 40c, 12 for \$2.75, prepaid.

### TREE-LILAC.

These are selected named varieties trained to tree form and especially valuable as specimen plants on the lawn or planted in rows along the sidewalk or driveway. They will grow to a height of about 8 feet and develop a large, well branched crown which in early May is covered with beautiful flowers of extraordinary sweet fragrance. Very hardy and of easy culture, growing well in practically any situation.

**M. BUECHNER** — Long panicles of lovely pale-blue flowers. In bloom a long time.

**MARIE LEGRAYE** — White flowers, especially fine and fragrant. Of low growth.

**SOUVENIR DE L. SPAETH** — Flowers dark purple, very fine and distinct.

Price of Tree-Lilacs, about 4 feet high, each 65c, 12 for \$6.50, not prepaid.

### HUNGARIAN LILAC.

A really valuable acquisition to the many new varieties of this well known and highly prized class of shrubs. Of vigorous, upright growth, 6 to 8 feet high, with stout branches. Leaves broad, shining dark green. The beautiful violet-purple flowers appear generously in large panicles. It blooms late, generally after the other Lilacs are thru blooming. Hardy and of easy culture. 12 to 18 inches, each 25c. — 18 to 24 inches, each 35c. — 2 to 3 feet, each 45c, not prep'd.



Thornless Blackberry.

# NOVELTIES AND SPECIALTIES. Continued.

FRUITS OF SPECIAL MERIT FOR THE NORTHWESTERN PLANTER.

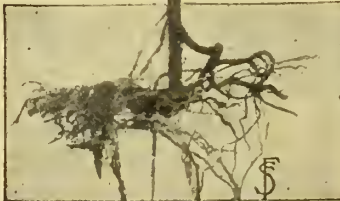


## The Tree Gooseberry.

Makes a very ornamental Tree for any yard or lawn. Perfectly hardy and yields large crops of delicious fruits.

We have ally fine lot Gooseberries plants to offer splendid tree-stems and big

an exception-of hardy Tree and Tree Curr this year, all es with strong bushy tops.



## TREE GOOSEBERRY.

These Gooseberries in standard or tree form are budded on very hardy stems, about 4 to 5 feet high, of the Ribes family, to which the currant and gooseberry belong; are just as hardy as the bush form and will do well anywhere where the gooseberry and currant grow. You will find the berries on these trees much larger and sweeter, and so much easier to pick than if raised in bush form. Besides, the little trees are very ornamental on the lawn, along walks or in the garden. The trees we offer are all budded on the very best varieties, have strong bodies with two year tops. They are easily transplanted and bear the next year. Well adapted for our northwestern states and perfectly hardy. Price: Each 90c, 12 for \$10.00, not prepaid.

## TREE CURRANT.

The trees we offer are of the best improved varieties and the largest fruited kinds. A Tree Currant makes an attractive lawn tree and a row of them in the garden is well worth having. Our description of the Tree Gooseberry also applies to the Tree Currant. Price: Each 90c, 12 for \$10.00, not prepaid.

## EVERBEARING RASPBERRY.

**THE "IDAHO"**—The Idaho is one of the hardiest of all red raspberries, and we consider it the best of the Everbearing varieties suitable for culture in the Northwest. The plant is a strong grower, making stocky, upright canes. The fruit is very large, some berries attaining over one inch in diameter, of a deep rich color, very attractive. It is very fine flavored. The plants are enormously productive, fruiting thru the longest season of any red raspberries. For home use and near markets no better raspberry could be found. Price: Each 15c, 12 for \$1.50, 100 for \$8.50, not prepaid.—Each 20c, 12 for \$1.85, prepaid.

## HARDY BLUE PLUM.

**KING OF THE NORTH**—This variety we found to be the hardiest of all European plums, withstanding our severe winters here in Minnesota. The fruit is of large size, nearly round, dark purple-blue, very showy; flesh is firm, juicy and sweet, fine quality; excellent for canning and market, a good shipper and keeper. Tree quite hardy and productive. Ripens in September. Not recommended for planting in the far North, where only the hardy native plums are a success. We can offer only a limited supply, please order early. Price: 4 to 5 ft., each 75c, 3 for \$2.00, not prepaid.



Idaho Everbearing Raspberry.

## THE "JOY" BLACKBERRY.

Brings Joy To All Who Grow, Sell, Or Eat It.—This new berry is of superlative quality, ironclad hardiness and great productiveness. The berries are extra large, almost round in shape, and are of coal-black color; in rich, luscious flavor it surpasses by far all other blackberries. The canes are of stocky, vigorous habit—so stout and strong it needs no staking—with abundant large five fingered leafage; yield very heavily every year and all the canes are loaded with fruit. It's simply immense! That is what everybody said when seeing the Joy Blackberry in bearing for the first time. Ripens midseason, is very resistant to disease and in every way a great acquisition. We can offer only a limited supply of plants this season. Order early — you want this berry. Price: strong transplants, each 25c, 12 for \$2.50, 25 for \$4.75, prepaid.

## FOUR NEW HARDY PLUMS.



Hanska Plum.

Introduced by Prof. Hansen of the S. Dak. Experiment Station.

**HANSKA**—The tree is very hardy and of extraordinary, rapid growth, three year old trees often attaining a height of 12 feet. The fruit is large and has been much admired for its beautiful color, which is bright red with a heavy blue bloom; flesh yellow, very firm, fine quality and rich fragrance. When cooked the splendid strong apricot flavor is brought out to perfection, entirely unlike any other native plum. One of the finest and best varieties for the Northwest.

**OPATA**—Tree of very vigorous growth, forming fruit buds freely on one year old shoots in nursery; foliage large and glossy. Fruit medium size, dark purplish-red with blue bloom; flesh green, firm, very pleasant and sweet; excellent for table and culinary use. Very hardy, an early and abundant bearer. Season extremely early.

**SAPA**—Tree extra hardy, an extremely early bearer. Fruit medium, glossy dark purplish-black; flesh rich purplish-red, fine flavor. This variety took first prize as a seedling plum at the Minnesota State Fair. Sapa Plums raised at Brookings, S. Dak., were 1 1/2 inches in diameter, weight 3/4 ounces, on one year old trees set the preceding year and bearing a heavy crop. Season very early.

**CHERESOTA**—Extremely hardy. Fruit oblong, rather small, glossy black when ripe. Flesh yellowish-green, sprightly acid, of pleasant taste; skin thin. Excellent for canning, preserving or for jelly. Tree blooms late and is a sure cropper. Season late.

Price for the above New Hardy Plums, strong, healthy, northern grown trees: 3 to 4 feet, each 45c, 12 for \$5.00. — 4 to 5 feet, each 60c, 12 for \$6.50 not prepaid.

Of Opata and Sapa we have a limited stock of splendid trees, 5 to 6 feet, at 75c each, 12 for \$8.25, not prepaid.

Special Offer:—We will send one tree of each of above plums: 4 to 5 feet size, for \$2.20, not prepaid.

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# F. S. & N. Co's SPECIALTIES For 1916.

SEE COLOR PLATE ON OPPOSITE PAGE

## THE NEW Minnesota Favorite RASPBERRY. EXTREMELY HARDY.—ENORMOUSLY PRODUCTIVE.— ALMOST THORNLESS.



The New  
Minnesota  
Favorite  
Raspberry.

The Minnesota Favorite is a strictly Minnesota grown product, raised here at Faribault, from seed of the well known commercial variety "Miller". In hardiness, vigorous growth and great yield it excels all other varieties, while the quality of the fruit is equal, if not superior, to the best. The berries are of large size, of rich bright red color which does not fade, but will hold its color after shipment or marketing longer than any other red raspberry that we know of. Core is very small, does not crumble; it is the firmest and best shipper in existence. In flavor it is unexcelled, has not the flat taste of some varieties, but a rich fruity flavor entirely its own. The canes are of ironclad hardiness, very healthy, extremely strong growers and almost entirely thornless. Foliage is exceptionally healthy and mildew proof, leaves are thick, of rich deep-green color.

The Minnesota Favorite has so many merits that every fruit grower in the northern states will want to grow this hardy variety at once and in preference to all others.

The Minnesota Favorite possesses the following points of superiority as compared with other varieties:—Ripens early. —Productiveness equal to any. —Has no equal as a market berry. —Firmest and best shipping berry in existence. —Quality and size unsurpassed. —Attractive, rich color. —Almost thornless. —Absolutely hardy.

We can supply first class, strong, well rooted plants of Minnesota Favorite at the following prices: Each 15c, \$1.25 per dozen, 25 for \$2.25, 100 for \$7.50, not prepaid. —By parcel post, prepaid, \$1.50 per dozen.

Other splendid varieties of Raspberries are described on pages 105 and 126.

## THE HARDY BETA GRAPE.

HARDIEST OF ALL GRAPES.—REQUIRES NO PROTECTION.—BEST FOR THE NORTHWEST.

This splendid new variety is the hardiest of all grapes, withstanding our severe northern winters without protection. The plant is a strong, healthy and vigorous grower and can be depended upon to bear fruit abundantly every year. The bunches are long, with small shoulder; berries of medium size, jet black, sweet and luscious, of peculiar aromatic flavor. Splendid for wine, jellies, etc. Most desirable of all grapes for covering arbors, often making a growth of 15 to 20 feet in one season. Everyone should plant a few Beta Grape vines, as they can be grown anywhere with practically no care whatever. Strong 1 year old plants, each 20c, 12 for \$2.00, 100 for \$15.00, not prepaid. —Prepaid, 25c each, 12 for \$2.35.

# Our "Sure Crop" Vegetable Seed Collection.

SEE COLOR PLATE ON FOURTH COVER PAGE

**BEANS—F. S. & N. Co's Webber Butter Wax**—A new variety which is grown extensively by the market gardeners around Chicago and in that market always secures top price. The vine is strong, holding the large pods well up. The pods are flat, of rich bright yellow color, very fleshy, tender and stringless. Ripens quite early and is unusually prolific. Does well in all sections and is extremely resistant to unfavorable weather conditions. A splendid bean for market and home garden. Packet 10c, ½ pint 25c, quart 75c, prepaid.—Quart 60c, ½ peck \$2.00, peck \$3.75, not prepaid.

**BEET—F. S. & N. Co's Black Queen**—One of the very finest beets for home use and market. A distinct, new early variety of pear-shaped form, and medium size, with a very smooth surface. The flesh is very fine grained, crisp, tender and sweet, and never woody or stringy; its color is the darkest of all beets, a rich, deep blood-crimson. In quality this beet is surpassed by none. The leaves are small, borne on slender stems and are of a uniform dark crimson color, making this variety very attractive for ornamental gardening. Packet 5c, ounce 15c, ¼ pound 40c, pound \$1.25, prepaid.

**LETTUCE—F. S. & N. Co's First Crop**—The earliest curled leaved lettuce, combining the very best quality with hardiness and remarkably quick growth. The plant forms a loose head of finely curled leaves which are tender and sweet, possessing in an extraordinary degree that delicious, nutty flavor so much desired in a lettuce. Suited for forcing and garden culture, for market as well as for home use. Packet 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50, prepaid.

## RADISH—F. S. & N. Co's New Saxa—

The "Saxa" is sure to fulfil the highest claims that can be made on a first-class radish. The color is a dazzling fiery scarlet, the form purely globular, the head exceedingly fine and with quite small leaves, and the root is the thinnest possible. For the market gardener it is the most lucrative radish, for it supersedes in forcing qualities the Non Plus Ultra, the bulb beginning to develop when the first pair of leaves scarcely raises itself above the seed-lobes. In less than three weeks from the day of sowing the "Saxa Radish" is ready for the table, the flesh being firm, crisp and juicy and remaining so for a long time. For open ground culture it is equally to be recommended. Packet 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50, prepaid.

## TOMATO—F. S. & N. Co's Giant Dwarf Tree

The largest fruited variety of the popular dwarf tree tomatoes. This new sort produces large fruits of the Ponderosa type on erect, upright growing plants of tree shape. The crimson red fruits are unusually large, and best of all, solid and meaty, with extremely few seeds, and of a flavor unequalled by any other dwarf tomato. The plant is a marvel of productiveness and ripens its fruits medium early. Packet 15c, ½ oz. 35c, oz. 60c, ¼ lb. \$2.00, prepaid.

Our Special Offer:—One packet of each of the above splendid "Sure Crop" Vegetable Seeds for only 25c, prepaid.



F. S. & N. Co's  
Giant Dwarf  
Tree Tomato.



# The New Beta Grape

Hardest and Best for the  
Northwest  
REQUIRES NO  
PROTECTION

For full description  
and Prices  
see page 128.



The  
New Minnesota Favorite Raspberry  
Extremely hardy - Enormously productive - Almost thornless.



**1916 SURE-CROP VEGETABLE COLLECTION**

Beet, F. S. & N. Co's. New Black-red Queen, pkt.	\$0.05
Beans, F. S. & N. Co's. Webber Butter Wax, pkt.	.10
Lettuce, F. S. & N. Co's. First Crop.....	pkt. .10
Radish, F. S. & N. Co's. New Saxa.....	pkt. .10
Tomato, F. S. & N. Co's. Giant Dwarf Tree, pkt.	.15
Total.....	\$0.50

Five Splendid Varieties. This entire collection of fine selected Vegetable Seeds, postpaid, for only.. **25c**  
 For full description, see page 128