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WILL'S PIONEER SEED HOUSE

AND NURSERY OF THE NORTHWEST

30th ANNUAL 1913

6267
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 U. S. Department of Agriculture
 Washington, D. C.



WILL'S PIONEER BRAND



TRADE MARK REGISTERED

The above is from a bronze statue erected on the State Capital grounds at Bismarck, N. D. in memory of the noble Indian woman, Sakakawea, who guided the Lewis and Clark expedition across the continent in the years 1804-5-6, carrying her child the whole distance in the usual Indian fashion.

Sakakawea Poppy Mixture is made up from many of the rarest double and single poppies in cultivation, and will produce the most brilliant effect possible. One pkt. 15c. two pkts. 25c. One packet of seed should be sown broadcast in a bed four feet square or in a continuous row twelve feet long.

OSCAR H. WILL & Co.,
 BISMARCK, NORTH DAKOTA, U.S.A.

Suggestions to Patrons

PRICES. The prices named herein are those prevailing at the time this catalog goes to press and are subject to market fluctuations in value.

HOW TO SEND MONEY. Money can be sent safely either by Postoffice Order, Bank Draft, Express or Registered Letter. If your order amounts to \$1 or upwards always send by one of the above methods, at our risk and expense. We accept postage stamps the same as cash for small sums, but prefer coin. If local checks are used 25 cents must be added to cover the cost of collecting. Make remittances payable to Oscar H. Will & Co.

SEEDS POSTPAID BY MAIL. Remember that our prices in this catalog include payment of postage by us on all vegetable and flower seeds ordered by the packet, ounce, pound or quart, except as otherwise noted.

SEEDS SENT BY FREIGHT OR EXPRESS MEANS That we deliver the goods to the express or railway company. The purchaser pays all transportation charges on receipt of goods. All express lines in the United States and Canada carry seeds and plants at the special reduced rate of 20 per cent less than general merchandise rates. On moderate sized orders we advise express shipment rather than freight.

KEEP A COPY OF YOUR ORDER. Check goods received with this copy. Sometimes items are sold out or will follow later, in which case a slip is enclosed with other goods or notice sent.

MISTAKES. These will happen in spite of all care. Write us at once with copy of original order and number, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

ORDERS ARE PROMPTLY FILLED. Or in case of delay, notified by postal card. If you do not hear from an order sent us, within a reasonable time, send us a duplicate order covering date of order, amount of same and form of admittance, your name and full address.

CAUTION. In making up your orders do not forget to sign your name. In spite of our annual caution we continue to receive great numbers of orders without name or address, and often the postmark is so faint as to render it impossible to tell the source. We are, after much delay, able to find the rightful owner, but the annoyance to both is great. Many of these orders have to lay for several weeks until the sender makes a vigorous kick at not receiving the goods. When asking for information or any communication you wish to make we would advise writing the same upon separate sheet from your order. We also desire that you send us the names of any of your neighbors and friends who do not receive our catalog. Of those who have never tried our seeds we ask a trial order.

We are often asked if all the seeds we sell are grown right here near Bismarck. We wish to say that there are many varieties of vegetables which produce wonderful crops here that could not mature their seed properly in this latitude owing to the shortness of the season and other unfavorable conditions for perfect development. Such are grown for us on contract by specialists in the highest latitude where they grow to the greatest perfection.

OUR RESPONSIBILITY. It is so manifestly impossible for a seller of any perishable goods to be responsible for what may happen to them after they leave his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, we accept responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. (Or seeds may be returned. See below.)

We wish it understood that all our seeds are sold under the following general non-warranty:

We do not warrant in any way, express or implied, the contents or the description, quality, productiveness or any other matter, of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

As to the trees and plants, we guarantee a safe arrival of all such goods sold from this catalog at prices quoted herein when shipped by express. We do not guarantee stock after it has been received and planted by the purchaser.

WRITE YOUR NAME AND ADDRESS FIRST.

OSCAR H. WILL & CO.

Special Premiums and Collections

Special Premium No. 1. An order for vegetable or flower seeds to the amount of \$4, or an order for seed grain or trees, to the amount of \$6 or more, entitles the customer to a copy of Green's "Farm Wind Breaks and Shelter Belts," or "Weeds, and How to Eradicate Them," by Thomas Shaw, or "Amateur Fruit Growing," by Samuel B. Green, a practical guide for the amateur on the cultivation of small fruits, not technical, but a book easily understood by anyone; or "The Poultry Manual," by poultry experts, containing 73 illustrations taken from life; or "Country Kitchen," containing over 900 tested recipes; or "Popular Fruit Growing."

Special Premium No. 2. An order for vegetable or flower seeds to the amount of \$6, or an order for seed grain or trees to the amount of \$15 or more, entitles the customer to a copy of "Vegetable Gardening," sixth edition, a manual on the growing of vegetables for home use and the market, by Professor Samuel B. Green, University of Minnesota, a book of 250 pages and over 100 illustrations. Premiums must be taken advantage of at time of ordering, as no claim for such will be recognized otherwise.

Special Collection of Your Own Selection, No. 1. For 50 cents the purchaser may select 15 five-cent packets, and for \$1, thirty five-cent packets, all of which will be sent postpaid. In case some variety that is ten cents or more per packet is desired count it as two or more five-cent packets. Ounces and larger quantities cannot be included in the collection.

Special Collection No. 2. Absolutely free with each order for vegetable or flower seeds amounting to \$1 or more. This consists of five packets of choice vegetable seeds put up for the purpose only and is our own selection.

Special Collection No. 3. Fifteen packets assorted flower seeds, our own selection, 25c, postpaid.

Special Collection No. 4, 50c Postpaid.

1 pkt Beans	2 pkts Lettuce
1 pkt Beets	1 pkt Muskmelon
2 pkts Cabbage	1 pkt Watermelon
1 pkt Cauliflower	3 pkts Onions
1 pkt Celery	1 pkt Pepper
1 pkt Carrots	1 pkt Peas
1 pkt Corn	3 pkts Radish
2 pkts Cucumbers	1 pkt Tomato
	2 pkts Turnip

Northwestern Collection No. 5 25c Postpaid.

1 pkt Express Cabbage
1 pkt Early June Sweet Corn
1 pkt White Spine Cucumber
1 pkt Dakota Globe Onion
1 pkt Eclipse Beet
1 pkt Scarlet Turnip Radish
1 pkt Acme Tomato
1 pkt Hanson Lettuce
1 pkt Will's Sugar Watermelon
1 pkt Will's Improved Rutabaga

BISMARCK COLLECTION NO. 6.

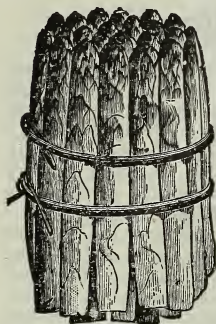
This collection of flower seeds it will be very difficult to equal, each variety is the choicest and richest of its kind and cannot be duplicated for the price. 1 pkt Vick's Branching Asters, 10c; 1 pkt Vick's Purity Asters, 10c; 1 pkt Dwarf Margaret Carnation, which blooms the first season from seed, 5c; 1 pkt Burbank's Crimson Eschscholitzia, 10c; 1 pkt Cactus Dahlia, 10c; 1 pkt Mixed Geranium, 10c; 1 pkt Will's Superb Mixed Nasturtium, 5c; 1 pkt Will's Royal Show Pansies, 15c; 1 pkt Masterpiece Pansy, 20c; 1 pkt Chinese Primrose, 10c; 1 ounce Imperial Mixed Sweet Peas, 10c. All for 75c postpaid.

STATE FAIR'S PREMIUMS.

We authorize the secretaries of State Fairs of North Dakota, South Dakota, Minnesota, Montana, Idaho, Wyoming, Washington and Oregon to offer a cash prize of fifteen dollars for the best collection of vegetables at each, grown from WILL'S SEEDS in 1913.

Exhibitors must state at time of ordering or before July first their intention to compete for prizes. All exhibits must be labeled with a suitable sign which we will furnish on request, stating that the same was grown from WILL'S SEEDS purchased in 1913.

We will pay two dollars additional to each of the winners for photographs of their prize winning exhibits, and to the one sending the best photograph we will give FIVE DOLLARS EXTRA. Index on page 40.



Roots of Both Above Varieties. Doz, 35c, postpaid. Express or freight, dozen, 25c; 50, 75c; 100, \$1; 500, \$3.50; 1,000, \$6.

Asparagus

Spargel Asperge Sparris

One Ounce Will Sow 50 Feet of Drill.

Culture—Sow early in spring in rows one foot apart; when one year old the roots may be taken up and transplanted in permanent beds, which should be made by taking out the soil to a depth of about 16 inches, fill in with six inches of well rotted stable manure, then six inches of soil somewhat firmed and place the roots on the same about 10 inches apart with the roots well spread out and cover so that the crown will be about four inches below the surface. Keep the surface well raked to keep down the weeds until the shoots appear.

Conover's Colossal. A well tried standard variety. Large size, quick growth. Excellent quality. Pkt, 5c; oz, 10c; ¼ lb, 20c; 1 lb, 60c, postpaid.

Columbia Mammoth White. (See cut.) A distinct variety of strong and vigorous growth, producing very large white shoots that in favorable weather remain white as long as fit for use. Pkt, 5c; oz, 10c; ¼ lb, 20c; postpaid.

ARTICHOKE SEED

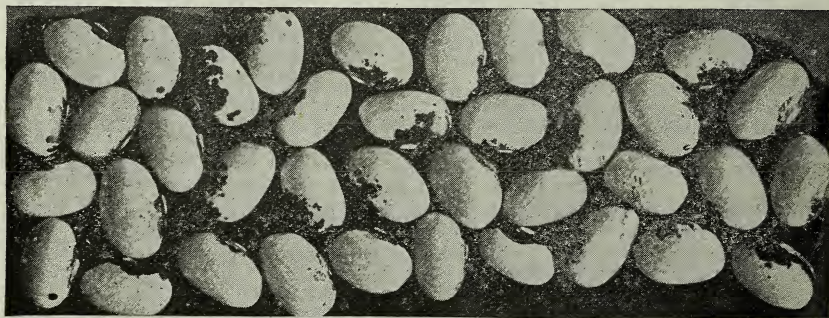
Green Globe. Grown for the unripe flower heads, are highly esteemed by epicures. Pkt, 5c; oz, 30c.

Beans===Dwarf or Bush

Krup Bohnen Harricots Nains

Please remember that the prices here quoted are by mail, postpaid to any address in the United States, except otherwise noted. If ordered by express or freight deduct 15c per qt.

Culture—Beans should not be planted until the ground is warm, as cold and wet weather will cause the seed to rot. For garden culture plant four or five seeds in hills one foot apart, and the rows 18 inches apart. For field culture make the rows three or three and one-half feet apart, and cover with two inches mellow soil. Do not hoe or cultivate while the plants are wet with dew or rain, as getting the leaves bespattered with earth causes rust, which injures the crop.



IMPROVED GOLDEN WAX BEAN

We are showing the type of the matured beans instead of the plant and pods to correct the erroneous idea that the Golden Wax Bean is a yellow color when ripe.

Without doubt we have given our strain of Improved Golden Wax Bean more care and attention than most anything we grow, and have been rewarded with results. The only method of keeping the yellow or golden pod sorts of bean pure or anything like it is constant attention in pulling out the "sports" or green pods which will invariably show themselves each season. Pods are very large, long, brittle and entirely stringless, of a rich golden wax color, and from one to two weeks earlier than the old Golden Wax strain. Pkt, 5c; ½ pt 15c; pt, 25c; qt, 45c, postpaid. Peck, \$1.75 by, express or freight.

Sure Crop Stringless Wax Bean

We are offering this truly wonderful Golden Wax Bean for the second time after giving it a thorough trial on our own grounds. It is the most vigorous and productive of any of the wax sorts. It somewhat resembles the Currie Rust Proof in pod and seed, but is more hardy and more thoroughly Rust Proof Wax. The pod, which is a rich yellow color, is perfectly stringless at all stages of development. Pkt, 5c; ½ pt, 25c; pt, 45c; qt, 75c; postpaid. Peck, \$3; by express or freight.

Davis Kidney Wax. An entirely distinct sort. Seed is entirely white, without eye. Pods flat, long, white, straight and handsome. Very hardy and productive. One of the best also for soup and baking, being of a peculiar rich flavor not found in the field beans. Pkt, 5c; ½ pt, 15c; pt, 25c; qt, 40c; postpaid. Pk. \$1.50, express or freight.

Green Pod Stringless. Green pods. The only stringless green pod in cultivation, superior to the wax sort. Earliest of all the green pod sorts and possessing a richness in flavor not found in any other variety of snap beans. Pkt, 5c; ½ pt, 15c; pt, 25c; qt, 40c; postpaid. Peck, \$1.50, by express or freight.

German Black Wax. One of the best varieties. Delicious and productive. With the single objection of color this is a close rival to the Golden Wax, as the pods are nearly the same in appearance. Pkt, 5c; ½ pt, 15c; pt, 25c; qt, 40c; postpaid. By express or freight, pk, \$1.50.

Early Golden-Eyed Wax. A superior wax bean. It is early, vigorous, a copious bearer, rich and tender, and has never been known to rust or spot. Pkt, 5c; ½ pt 15c; pt, 25c; qt, 40c; postpaid. By express or freight, pk, \$1.50.

Valentine Wax. An extra early Valentine with round wax pods, possessing the excellent features of the green podded sort. It is very early, giving a fair picking in 46 days. Pkt, 5c; ½ pt, 15c; pt, 25c; qt, 40c; postpaid. By express or freight, pk, \$1.50.



NEW WONDER BUSH LIMA BEANS

Dwarf or Bush Lima

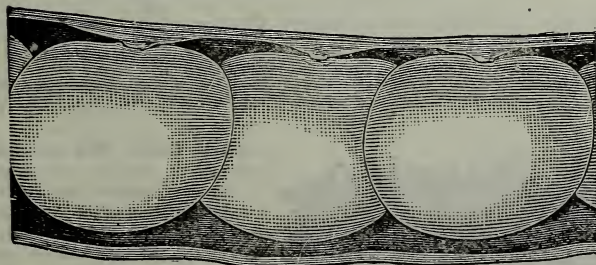
New Wonder Bush Lima Bean

The earliest, dwarfest and most prolific.

New Wonder gives the largest and best returns. A big crop from a small space, and is a decided improvement on the original type of Bush Lima, being 8 to 10 days earlier, with pods 4 to 5 inches in length, each containing 3 and sometimes 4 large green beans of the finest flavor. The beans are of flat shape, and fully equal in flavor the Best Pole Lima. Pkt, 5c; ½ pt, 20c; pt, 30c; qt, 50c; postpaid.

Burpees Bush Lima. About two weeks earlier than the Pole Limas and having all the excellence, this has become a standard variety in the Northwest as well as older sections of the country, particularly in localities where the season is short. The bushes grow about 18 inches in height, and very branching. Pkt, 5c; ½ pt, 20c; pt, 25c; qt, 50c; postpaid.

Pole or Running Beans



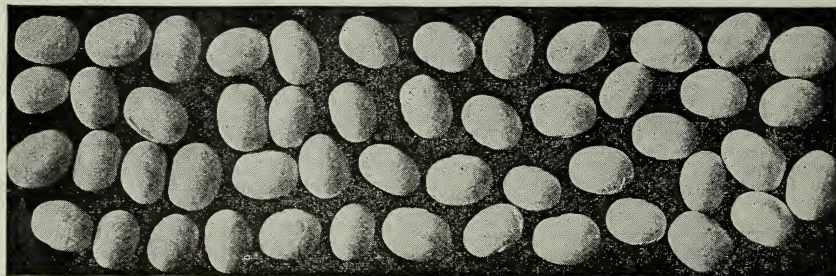
NORTHERN LIMA BEANS

Early Golden Cluster Wax. Desirable sort, only seven days later than the Dwarf Golden Wax. The pods are tender, 6 to 8 inches long, borne profusely in clusters of 3 to 6, and are of a beautiful golden yellow color, which they retain a long time after being picked. They snap easily, are stringless and delicious. Pkt, 5c; ½ pt, 20c; pt, 30c; qt, 50c; postpaid.

Northern Lima. Earliest, hardiest and most prolific of all the Pole Limas. The only variety coming near enough to maturity for table use in this state. Pkt, 5c; ½ pt, 15c; pt, 25c; qt, 45c; postpaid.

King of the Garden Lima. A strong grower and uniformly large podded. The pods frequently contain five to six very large beans. These beans are of excellent quality, easily shelled, of large size and handsome appearance. Pkt, 5c; ½ pt, 20c; pt, 30c; qt, 50c, postpaid. By express or freight, 4 qts, \$1.10; pk, \$2.

FIELD BEANS



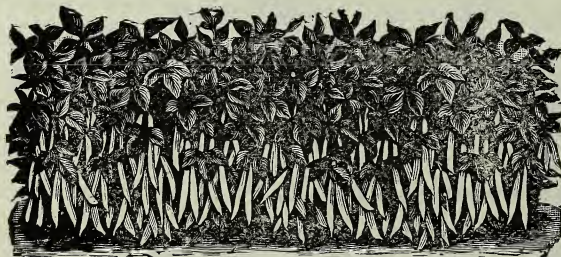
EARLY PIERPONT NAVY BEANS

Early Pierpont Navy Bean. A sport from the Golden Wax variety and equally as early, which makes it the earliest and surest crop field bean in cultivation. Although our supply is limited we have decided to give our patrons a chance to get a start with this bean, which is nothing short of an agricultural wonder. Pkt, 10c; $\frac{1}{2}$ pt, 50c; pt. 90c; qt, \$1.75; postpaid.



GREAT NORTHERN FIELD BEANS

Great Northern is the earliest field bean ever produced, Pierpont Navy excepted. It is a pure white, kidney shaped bean of the very best quality. This bean has been grown in the Northwest probably for many hundred years, and it is the same variety as that grown by the Indians for an indefinite period. They are identically the same as some found in the Mandan Indian mounds near Bismarck, which have been buried for several hundred years at 1 ast. Pkt. 5c; pt, 25c; qt, 40c; postpaid. Qt, 25c; pk, \$1; bu, \$3.50; by express or freight.



EARLY NAVY BEANS

Early Navy. We are now obliged to modify the name to "Early" from "Earliest" owing to the Pierpont being so much earlier. This strain of Navy Beans we claim to be earlier, more productive and of a better quality than the ordinary, producing from 20 to 40 bushels per acre. Pkt, 5c; pt, 25c; qt, 45c; postpaid. Qt, 20c; pk, \$1; bu, \$3.50; express or freight.

Beets and Mangel Wurzels

Salatrube Batterave Robetor

Remember that these prices are for seed prepaid by mail. If ordered by freight or express, deduct 8c per pound.

One ounce of seed will sow fifty feet of drill; six pounds per acre.

Culture—Sow in drills 15 to 18 inches apart as early as the ground can be worked in the spring. When the plants are large enough to handle, thin to four or five inches apart in the row.

Will's Improved Blood Turnip Beet



WILL'S IMPROVED BLOOD TURNIP BEET

We wish to call particular attention to the illustration of our Improved Blood Turnip Beet, as we consider it absolutely perfect in shape and color as well as quality and extreme earliness. The writer began more than twenty years ago selecting the most perfect roots from the well known Egyptian beet, and has been continuing this seed stock and seed selection every year until we now have a table beet with few equal and none superior.

It is the earliest in cultivation, making roots of edible size a week sooner than any other sort. Color, a rich dark red; roots fine grained, globular shaped, with small top. Free from side or fibrous roots; always perfectly smooth. It is not only the very best forcing strain, but it is the best winter sort. Cooks sweet, tender and crisp, and in every way may be considered the standard sort for the market and home gardener. Pkt. 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 50c; lb, 90c, postpaid.

Eclipse. One of the best beets in cultivation, especially for market gardening. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 25c; $\frac{1}{2}$ lb, 45c; lb, 75c, postpaid.

Long Blood Red. A popular winter sort. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 25c; $\frac{1}{2}$ lb, 35c; lb, 65c, postpaid.

Edmund's Early Blood Turnip. A dark red, turnip shaped, with large top; flesh carmine red; sweet and good. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 25c; $\frac{1}{2}$ lb, 45c; lb, 75c; postpaid.

Champion White Sugar. Pkt, 5c; oz, 10c; lb, 65c, postpaid.

Swiss Chard. Pkt, 5c; oz, 10c; lb, 70c, postpaid.

Mammoth Long Red Mangel Wurzel. A magnificent stock of mammoth mangel which cannot be equaled. The roots are of uniform size, shape and color, hard as rock throughout, and crisp and tender as an apple. This mangel, though not containing as great a percentage of saccharine as the Golden Giant, many who have grown it claim it more profitable on account of the greater yield in weight of roots. Pkt, 5c; oz, 10c; $\frac{1}{2}$ lb, 30c; lb, 50c, postpaid. By express or freight, 5 lbs, \$2.

Tom Caldwell, Kiesling, Wash.: "I am sending you my order for seeds again. It is the fourth year and I still like your seeds."

(BEETS AND MANGEL WURZELS—Continued.)



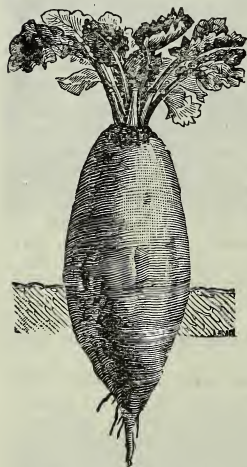
Giant Eckendorf Mangel. This is the most popular German variety of Mangel. In Germany is more largely planted than any other sort. Selected especially for square chunky type, it is valuable not only for its high percentage of dry matter, but also for its phenomenal yields, 65,000 lbs per acre. Roots weigh as high as fifteen and twenty pounds apiece. As the greatest portion of the root grows above the surface of the soil, they are easily harvested, and their chunkiness prevents their breaking in handling. This is one of the best varieties. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; lb, \$1; by express or freight, 5 lbs, \$4.

Giant Taaroje Barres Mangel. This cut is from photograph of roots grown on our own trial grounds the past season. The seed is grown on contract for us in Denmark, where it has retained for years the Government Certificate of "First Class Stock."

The roots of this new variety are most valuable for their very high dry matter content, being pound for pound nearly equal to the best sugar beets.

Growing the greater part out of ground, they resemble very much a stump field and are more easily harvested. Judging from our trials we believe this variety of Mangel will outyield in weight all others, and as the quality is better it certainly is a most valuable sort for stock feeding. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; lb, \$1; postpaid. By express or freight, 5 lbs, \$4.

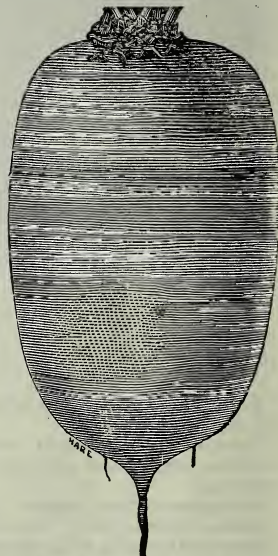
GIANT ECKENDORF MANGEL. GIANT TAAROJE MANGEL



Mammoth Golden Giant Mangel Wurzel. An improvement on all other yellow mangels because of considerable greater size. In shape remarkably even, rather elongated, of vigorous growth. Flesh white, firm and sweet. Excellent keeper. Pkt, 5c; oz, 10c; $\frac{1}{2}$ lb, 35c; lb, 60c, postpaid. By express or freight, 5 lbs, \$2.50.

GOLDEN GIANT MANGEL

Golden Tankard Mangel Wurzel. In color it is a deep yellow throughout. It is a heavy cropper and is considered indispensable by the best dairymen. Pkt, 5c; oz, 10c; $\frac{1}{2}$ lb, 35c; lb, 55c, postpaid. By express or freight, 5 lbs, \$2.25.



GOLDEN TANKARD MANGEL

Bore-Cole or Kale. Green Curled or Scotch. A very useful variety, growing about 18 inches high. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 25c; postpaid.

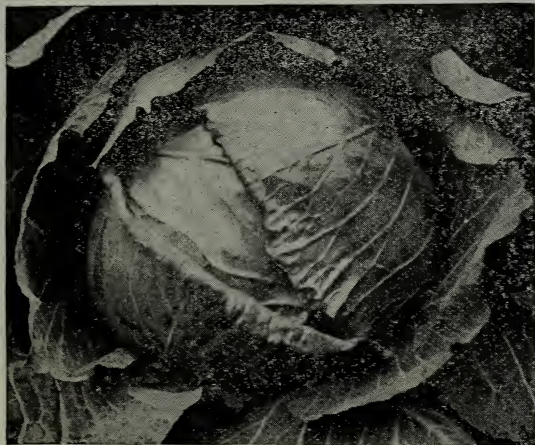
Broccoli-Purple Cape. Produces heads very nearly like Cauliflower, but more hardy. This variety has large close heads of brownish purple color and good flavor. Pkt, 5c; oz, 20c; postpaid.

Brussels Sprouts—Paris Market. This is a very fine new variety of half dwarf growth, bearing handsome, solid, round sprouts of best quality, crowded together on stalks. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 40c; lb, \$1.50; postpaid.

CABBAGE

Kohl Chau Kal

For very early use sow the seed in hotbed or in boxes in the house. The best and hardiest plants may be produced by sowing seed in cold frames outside after danger of hard freezing is past. Transplant in garden or field when weather will permit, 20 to 30 inches apart for the small, early varieties, and from 2½ to 3½ feet for the large, late sorts. Some recommend planting the seeds in the field, 3 or 4 seeds in a hill and leaving the strongest plant, but we do not think such plants head as well as transplanted plants, as transplanting always produces more fibrous roots or feeders. One oz. of seed will produce about 4,000 plants.



COPENHAGEN MARKET CABBAGE

Will's Early June. Proves to be the very earliest flat-head cabbage in cultivation. It is a small, flat, hard-heading variety which will produce marketable heads quicker than anything we have ever seen, making fair-sized heads in from 60 to 70 days from sowing the seed. The plant is most vigorous, not subject to disease, and a remarkable drought resister, which makes it very desirable for private and market gardeners, in all parts of the northwest in particular. Do not omit Early June Cabbage from your list when you make up your order. We call this wonderful cabbage "Early June" as it seems to fit it better than anything we can think of, as is the case of the earliest sweet corn of that name. Pkt, 5c; oz, 25c; ¼ lb, 80c; ½ lb, \$1.50; lb, \$2.50, postpaid.



WILL'S EARLY JUNE CABBAGE

Early Express. With Early June it holds the place as the earliest cabbage in cultivation, as it has produced fair sized marketable heads in 70 days from the sowing of the seed. Pkt, 5c; oz, 20c; ¼ lb, 75c; ½ lb, \$1.25; lb, \$2, postpaid.

Henderson's Early Summer. This is an old popular sort with market gardeners. It follows the Wakefield. Pkt, 5c; oz, 10c; ¼ lb, 60c; ½ lb, \$1; lb, \$1.75, postpaid.

Early Winingstadt. A well known and very popular second early variety. Pkt, 5c; oz, 10c; ¼ lb, 60c; ½ lb, \$1; lb, \$1.75, postpaid.

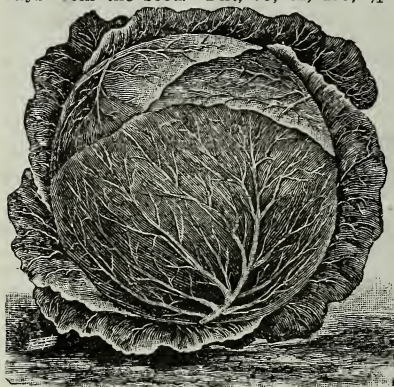
Red Drumhead. For pickling. Pkt, 5c; oz, 15c; ¼ lb, 50c, postpaid.

COPENHAGEN MARKET

NEW EARLY CABBAGE

This new early Cabbage is without a rival as the finest large round head early cabbage in cultivation. The heads are perfectly ball-shaped and perfectly solid to the core, which is exceedingly small, of the finest quality and average about ten pounds in weight. The heads look so precisely alike as if they were cast in forms coming from the same mould. The plant is short stemmed, the heads being produced almost on the ground level. Our stock of this seed was grown in Denmark by the originator and the supply is limited. Pkt, 10c, ¼ oz, 35c; ½ oz, 60c; ounce, \$1, postpaid.

Selected Jersey Wakefield. This cabbage, under various names, has been for many years the leading early cabbage in America. It was formerly Early Jersey Wakefield, then the Improved Early Jersey Wakefield, etc. The parentage of all the strains of Wakefield cabbage is the same. The main difficulty has been to get a perfectly satisfactory and reliable strain of seed, and failure in this respect has caused many disappointments. Buyers will find in Selected Jersey Wakefield the genuine article. We grow the seed in soil and climate perfectly suited to the purity and the vigor of the choice Wakefield stock, and gardeners may be assured of its good character. It frequently matures inside of 100 days from the seed. Pkt, 5c; oz, 15c; ¼ lb, 75c; ½ lb, \$1.25; lb, \$2, postpaid.



SUREHEAD CABBAGE

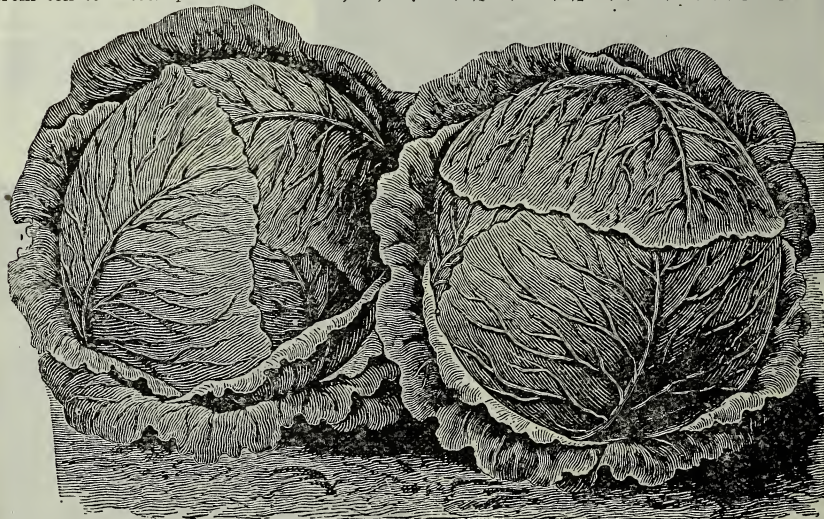
heads are remarkably uniform, very hard, from ten to fifteen pounds each. Pkt, 5c; oz, 15c; ¼ lb, 65c; ½ lb, \$1.25; lb, \$2, postpaid.

DANISH BALLHEAD.

This distinct variety is extremely hardy and solid, and superior in keeping qualities. The growth is inclined to be tall—that is, the heads are formed generally on stout stalks 10 or 12 inches above the surface. There are but few outer leaves and these few curl closely around the head. These heads are round in form, almost as deep through as they are wide, and average from eight to ten inches. Color, pale blue-green. Pkt, 5c; oz, 20c; ¼ lb, 70c; ½ lb, \$1.25; lb, \$2, postpaid.

SUREHEAD.

This variety has gained steadily in popular favor. Hardly any other variety can approach the Surehead in fine quality and uniform reliability in forming solid heads, of good size and superb quality. Original Surehead cabbage produces large, round, flattened heads of the Flat Dutch type, and is remarkable for its certainty of head. It is all head and sure to head even under unfavorable conditions. The firm and fine in texture, and ordinarily weigh



WILL'S SELECTED PREMIUM FLAT DUTCH CABBAGE

Regularity in growth and sureness in heading makes our Selected Premium Flat Dutch Cabbage the standard heavy weight winter cabbage. It forms very large, hard, solid, flattened heads, uniform in shape and color, and of handsome appearance. It has a very short stem, and is a compact grower. The quality is fine and the flavor excellent, the heads being white when cut and the inside leaves crisp and tender. Our seed has always been American grown. It is everywhere a favorite market variety. It is comparatively free from disposition to burst, and is one of the most reliable winter keepers. It has so long been bred to a standard that the heading habit is thoroughly established and an essential part of its growth, and will produce a head even when its size is stunted by dry weather or other adverse conditions. Pkt, 5c; oz, 20c; ¼ lb, 75c; ½ lb, \$1.50; lb, \$2.50, postpaid.

CAULIFLOWER*Blumenkohl Chow-Fleur Blomkal*

Culture—Same as cabbage. Sometimes in the South the seed is sown in September, and the young plants wintered over, to save time in the spring. Pin or tie the leaves together after the head or flower has begun to form. This will preserve the snowy whiteness. An ounce of seed will produce about 3,500 plants if carefully managed.

**LARGE EARLY ERFURT
CAULIFLOWER**

This is unquestionably the leading variety for market and for private use. For reliability of heading, the size and solidity of head, it is superior to any other variety. It is sure to head, even under unfavorable circumstances. The plants are very dwarf, and while the outer leaves are erect, the inner ones lap over the head so as to fully shade them from the sun, preserving them a beautiful snowy white. Pkt, 5c; ½ oz, 75c; oz, \$1, postpaid.

EARLY PARIS

Very early, producing a good white head. Head is large, solid and compact. This cauliflower is frequently used in forcing. Pkt, 5c; oz, 50c, postpaid.

LARGE EARLY ERFURT CAULIFLOWER

DRY WEATHER CAULIFLOWER.

During some seasons, especially like the past year, after a very late spring, hot weather comes very quickly. In such a year this variety has proven itself of exceptional merit. Also in warm parts of the country where there is not much cool weather, it is a most desirable sort. Our seed is A1, and procured from the original grower in Denmark. Pkt, 10c; ½ oz, \$1; oz, \$1.75.

CORN SALAD.

Large Round Leaved. Large seeded. Pkt, 5c; oz, 10c; ¼ lb., 20c; lb, 60c; postpaid.

CHERVIL.

Curled. Greatly superior to the old plain variety, being earlier, more handsome, and having fully as fine perfume and flavor. Pkt, 5c; oz, 10c; ¼ lb, 25c; lb, 75c, postpaid.

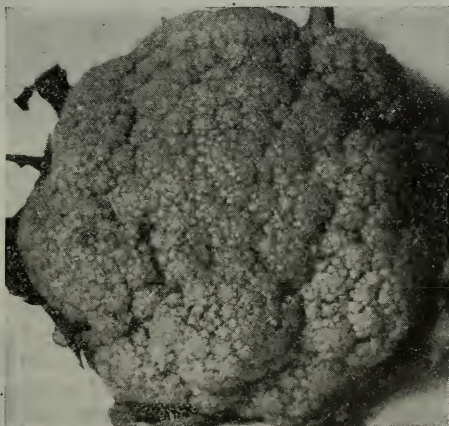
CRESS.

Fine Curled (Pepper Grass). Its leaves impart an agreeable and pungent taste to salads. Pkt, 5c; oz, 10c; ¼ lb, 20c, postpaid.

CHICORY.

The roots, dried, cut in thin slices, roasted and ground, are used largely as a substitute for coffee. The leaves make an excellent salad for early spring.

Large Rooted, or Coffee. Pkt, 5c; oz, 10c; ¼ lb, 20c; lb, 65c, postpaid.



DRY WEATHER CAULIFLOWER

S. B. Evans, Glenham, S. D.: "I got some garden seed from you last spring, and found them all O. K."

CELERY

Sellerie Celeri Selleri

Culture—Sow the seed (which is slow to germinate) in shallow boxes in the house early in the spring. Great care must be taken not to cover too deep, 1-8 inch of soil being sufficient. Keep well moistened until the seed germinates, as plenty of moisture is essential to success. When the plants are large enough to handle they should be transplanted in cold frames, and later when the weather is suitable, to open ground. For setting, prepare trenches about six inches deep and four feet apart in which the plants should be set six inches apart. When the plants are nearly grown, the stalks should be gathered close and earth drawn to the plants to one-third their height, and repeat the process at intervals until only the tops are visible. At the approach of severe freezing weather the plants should be dug up and stored in a dark, cold cellar, in an upright position, with the roots in a little moist sand or earth. For storage use boards for bins, set edgewise on the cellar bottom, about ten inches apart.

White Plume. For fall and early winter use, this is the most popular celery. The heart and stalk are naturally white, consequently requires very little blanching to fit it for the table. Pkt, 5c; oz, 15c; ¼ lb, 50c; ½ lb, 90c; lb, \$1.50, postpaid.

New Rose. The Red, or Rose celeries, have a superior flavor. This variety is very ornamental on the table, the delicate tracing of beautiful rose shading with the white in the bleached stalk and heart. Very solid, rich and nutty in flavor, and keeps remarkably well. Pkt, 5c; oz, 25c, postpaid.

Giant Golden Heart. The best winter celery for storage. Pkt, 5c; oz, 15c; ¼ lb, 50c; ½ lb, 90c; lb, \$1.75, postpaid.

Celeriac, or Turnip Rooted. Used principally for seasoning meats and soups. Pkt, 5c; oz, 15c, postpaid.

Golden Heart Dwarf. Vigorous grower, very branching, excellent keeper, remarkably tender, crisp, solid, rich and a delicious nutty flavor. Pkt, 5c; oz, 20c; ¼ lb, 70c; ½ lb, \$1.25; lb, \$2, postpaid.



GOLDEN SELF-BLANCHING CELERY

Golden Self Blanching

Golden Self Blanching. Our success the past two seasons with this standard and deservedly popular variety has been quite remarkable. Its growth is compact yet vigorous, ribs straight, solid, crisp and tender. The heart is large, solid, of a rich golden yellow color, and of a most delicious flavor; without banking up, the outer ribs become a yellowish white color as it approaches maturity, but will be more tender by having some dirt brought up to them. Pkt, 10c; oz, 50c; ¼ lb, \$1.50; ½ lb, \$2.75; lb, \$5.



GOLDEN HEART DWARF CELERY

Carrots

Mochren Carrote Morot

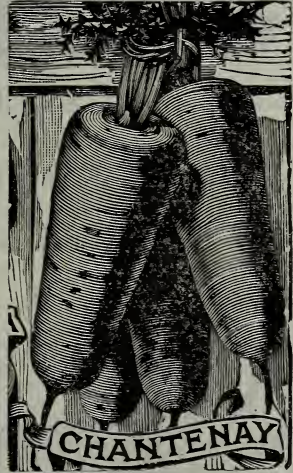
One ounce will sow 100 feet of drill; 3 to 4 pounds per acre.

Culture—Carrots to grow to perfection require a deeply cultivated, rich and well pulverized soil. Sow early in the spring as soon as the soil is fit to work, in drills 15 to 18 inches apart, covering one inch deep and press the soil firmly over the seed. If desired to cultivate with horse, make rows three feet apart.



DANVER HALF LONG CARROT

Danvers. Is in form about midway between the Long Orange and the Short Horn class, growing generally with a stump root. It is a rich, dark orange color, grows to a large size, is smooth, and the flesh is very close in texture, with little core. It is a first class carrot for all soils, and it is claimed that under good cultivation it will yield the greatest weight per acre with the smallest length of root of any grown. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 65c; lb, \$1.00, postpaid.



Improved Long Orange. One of the most desirable for either garden or field culture. It grows to a large size, fair specimens averaging twelve inches in length and three inches in diameter at the top. Pkt, 5c; oz, 15c; ¼ lb, 35c; ½ lb, 70c; lb, \$1.25, postpaid.

Chantenay. As a table variety it is first class. In shape it is larger than the Scarlet Horn and also broader at the shoulder. The flesh is of a beautiful rich orange color and of the finest quality. It is medium early with small tops, roots taper slightly, but are uniformly stump rooted. Gives great satisfaction in both the private and market garden. Pkt, 5c; oz, 15c; ¼ lb, 35c; ½ lb, 65c; lb, \$1, postpaid.

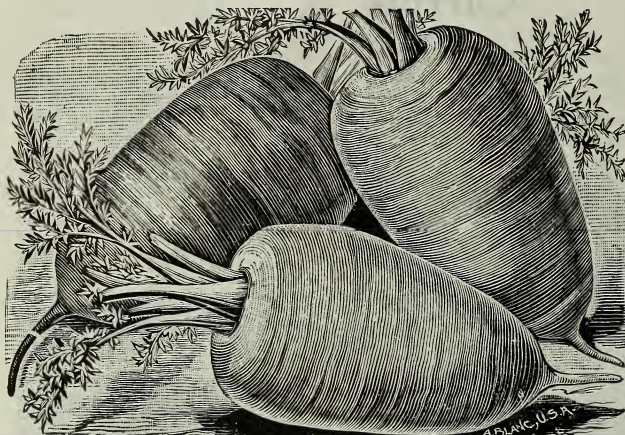
Early Horn. A favorite sort much esteemed for early summer use. Pkt, 5c; oz, 15c; lb, \$1.25, postpaid.

French Forcing. This is the earliest carrot; small round roots. Pkt, 5c; oz, 15c; lb, \$1.25, postpaid.

Mr. Robert Kuhm, Fullerton, N. D.: "Your seeds have been all that could be desired, and we are well satisfied with them."

Mr. H. M. Winan, Elbon, S. D.: "I had such good luck with the garden seeds I ordered from you last year, I take pleasure in sending you another order."

CARROTS—(Continued.)



OXHEART CARROT

Oxheart. We do not hesitate to call this the most valuable variety in existence. It is intermediate between the Half-Long and Horn varieties, attaining a diameter of three to four inches at the neck, of a beautiful shape and rich color. Where other varieties require digging, it is easily pulled. It will produce roots as easily as any variety and continues of the best quality throughout the season. It is excellent for hogs and other live stock, and has yielded 1,200 bushels per acre. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 40c; $\frac{1}{2}$ lb, 75c; lb, \$1.40, postpaid.

SWEET OR SUGAR CORN

Welchorn. Mais. Socker Mais.

Prices by packet, pt. and qt. include postage; if ordered by express deduct 10c per qt.

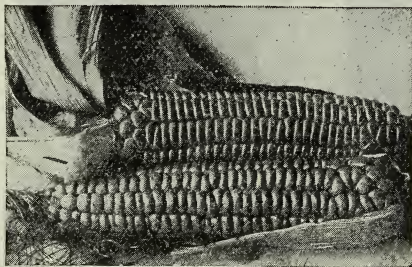
One quart to 200 hills; 6 to 8 quarts per acre.

Culture—Plant in drills about three feet apart, one kernel every six inches, or in hill $2\frac{1}{2}$ feet apart in the row and the rows three to three and one-half feet apart, dropping four or five kernels in a hill. Corn of any sort should not be planted until the ground has become warm, as cold, wet ground is sure to rot the seed before it can germinate.

GOLDEN BANTAM

A new early sweet corn considered by many people the richest and sweetest of all corns. Some of our customers who prefer this to all other kinds are planting it at regular intervals during the season so they may have a continual supply for their table.

In season it is medium early, about two weeks later than Early June, and is the best yielder of the early varieties. The stalks are of medium size with heavy foliage, of value for forage. It may be planted thickly and as late as July in the northwest. The ears are borne two to a stalk and are about six inches in length and eight-rowed. The kernels are a golden yellow color, which at first gives the impression of field corn; however, as soon as tasted there is an immediate call for more. Pkt, 5c; $\frac{1}{2}$ pt, 15c; pt, 25c; qt, 40c, postpaid. Pk, \$1.50, express or freight.

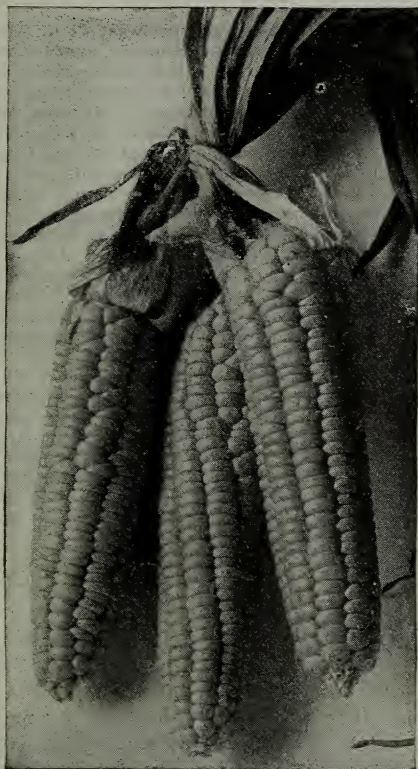


GOLDEN BANTAM SWEET CORN

EARLY DAKOTA. We claim for Early Dakota Sugar Corn that it is the best and sweetest and most prolific of all varieties, except Early June. As early as Cory and much larger and sweeter. As an early market sort it is fast gaining in favor, and as a home garden variety it has no equal as a second early following the Early June closely. The yields of this corn have been remarkable, as we have a record of sixteen hundred dozen large ears from one-half acre of land. Pkt, 5c; $\frac{1}{2}$ pt, 15c; pt, 25c; qt, 40c, postpaid. Peck, \$1; bu, \$3, by express or freight.

Mrs. John W. Doan, Leitchville, Sask.: "I bought seed from you last year and they did fine for the dry year we had."

SWEET OR SUGAR CORN—(Continued.)



EARLY JUNE SWEET CORN

Will's Early June. Sweet Corn

The Earliest Corn on Earth

In the season of 1911 Col. N. G. Cook, of Fessenden, raised nine ears from one kernel; the nine ears bore nineteen hundred and ninety-two kernels.

Up to a few years ago Early Dakota Sweet Corn was the earliest, or at least as early as the earliest in cultivation. As we had been selecting and breeding several varieties of field corn down to fit our climate in the Northwest, we concluded to try our hand at producing the earliest possible sweet corn in the world by "breeding down" our Early Dakota to a shorter season, which we have succeeded in doing, and without in any way detracting from the quality. Our claim as to its being the earliest corn in cultivation is fully proven in every instance. It is a very dwarf variety. May be planted very close, as it grows about 2½ to 3½ feet high, producing small ears of the most delicious corn in about 45 days from planting. Market gardeners as well as private gardeners, should secure a quantity of seed, as there is no vegetable so eagerly sought as the first green corn, and this will always be first. Nothing can ever possibly compete with it. Pkt, 5c; ½ pt, 15c; pt, 25c; qt, 40c, postpaid. By express or freight, ½ pt, 15c; pt, 20c; qt, 35c; pk, \$1; bu, \$3.

Indian Sweet Corn

This is a red, very sweet corn, the seed of which we secured from a Mandan Indian at Elbowoods, this state, last spring, and the result of the experiment was quite remarkable. This corn is nearly as early as the Early June and about the same height, and quite as sweet. When dry, of a dark red color. Many hills with an average of three stalks, bore, including sucker ears, from twelve to fifteen. We have only a limited quantity to offer at: Pkt, 10c; ½ pt, 35c; postpaid.

Miss Mary G. Shawner, Ada, S. D.: "All the seeds I had from you have done well where they have had a chance. The Early June Sweet Corn and Great Northern Beans have done especially well."

John L. Blom, Rochert, Minn.: "I have used your seeds eight years and I am well pleased with them."

(SWEET CORN CONTINUED NEXT PAGE.)

SWEET OR SUGAR CORN—(Continued.)



WILL'S BANANA CREAM SUGAR CORN

Will's Banana Cream Sweet Corn. The sweetest and most delicious sugar corn in cultivation. It is a distinct variety of a little above medium size, coming to edible condition 10 days earlier than the Evergreen, and remaining fit for table use longer than any variety we have tested, Evergreen not excepted. Early June will give you corn for the table several weeks ahead of any other sort. Early Dakota follows closely in its wake, and Banana Cream completes the season, making, as the old saying runs, "the last is the best of all the game." Pkt, 5c; ½ pt, 20c; pt, 35c; qt, 50c, postpaid. Peck, \$1.50; bu, \$5, by express or freight.

Improved Stowell's Evergreen. For many years Stowell's Evergreen Corn has been the most prominent main crop variety. The ears are of medium size. The grains are deep, exceptionally tender and remain a long time in an edible condition. Pkt, 5c; ½ pt, 20c; pt, 35c; qt, 50c, postpaid. Peck, \$1.25; bu, \$4, by express or freight.

POPCORN

Queen's Golden. This is perhaps the handsomest of all pop corns when on the ear, surpassing all others in size and color. It pops perfectly white and a single kernel will expand to nearly an inch. Pkt, 5c; ½ pt, 20c; pt, 35c; qt, 50c, postpaid. Peck, \$1.25, by express or freight.

White Rice. Everybody knows the old variety named the White Rice. Our strain is an improvement, larger ears and ears more abundantly produced. Six ears on a stalk is not a rare occurrence. The grains are sharply pointed and the ear is a handsome one. Pkt, 5c; ½ pt, 15c; pt, 20c; qt, 35c, postpaid. Peck, \$1, by express or freight.

White Pearl. A pop corn well deserving its name. Its superior tenderness and semi-transparent appearance when popped highly recommend it. The ears are of good appearance, five or more inches long, with smooth, round white grains. Pkt, 5c; ½ pt, 15c; pt, 20c; qt, 35c; postpaid. Peck, \$1.50, by express or freight.

Mrs. Dora Thompson, Flatwillow, Mont.: "I have the finest garden in the whole country, and it is your garden seed I used."

Mr. T. L. Kramer, Baker, Mont.: "Your seeds seem to be the stuff for these parts."

Mark Bomboy, Genou, Mont.: "We have used your seeds for about seven years and we find them alright—in fact, do not care to use any others."

C. P. Dasch, Dubois, Idaho: "I have used your seeds for several seasons with good results."

WILL'S BEST CUCUMBERS

Gurken Concombre Gurka

One ounce of seed will plant fifty hills.

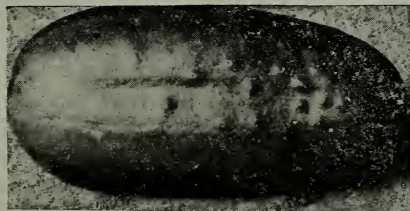
Culture—As soon as the weather becomes warm and settled in the spring, plant in well prepared soil in hills four or five feet apart each way with eight or ten seeds in a hill, cover one-half inch deep with soil well firmed to prevent too rapid evaporation. When plants are well developed weed out all but four or five of the strongest; thorough but shallow cultivation is essential.

These are prepaid prices. If ordered by express or freight, deduct 8c per pound.



WILL'S IMPROVED LONG GREEN CUCUMBER

Will's Improved Long Green. This strain is slightly shorter than the old sort, and considerably earlier. We do not think that there is a cucumber in cultivation with as many good points. It is as early as the earliest, best for table use, makes the nicest shaped pickle and is a prolific bearer. Pkt, 5c; oz, 15c; ¼ lb, 45c; ½ lb, 80c; lb, \$1.50, postpaid.



WHITE SPINE CUCUMBER



EARLY FRAME CUCUMBER

Early White Spine. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor. In this country this variety is used more, perhaps, than any other for forcing under glass. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 60c; lb, \$1.10, postpaid.

Early Frame. Although one of the oldest varieties of cucumber in cultivation, yet it holds its own with the best. We do not know of any cucumber that will stand as much hardship as Early Frame. Flesh tender and of excellent flavor, a good table variety. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 60c; lb, \$1, postpaid.

Mr. W. H. Burns, Sundance, Wyo.: "We used your seeds last year and they were the best ever."

Gustave Kurth, McCabe, Mont.: "Have used your seeds for several years, with satisfaction."

A. R. Bailey, Inkster, N. D.: "I have had splendid success with your seeds and I never find anyone who complains of your seeds."

CUCUMBERS (Continued.)

Japanese Climbing. The vines are healthy, vigorous growth, with rich, dark green foliage, and throw out strong grasping tendrils, which enable it to climb trellis, wire netting, brush or other suitable support. It comes into bearing quickly and continues abundantly throughout the season, while the climbing habit enables the hanging fruit to grow perfectly straight from 12 to 16 inches in length; the cucumbers are thick, tender and of delicate flavor. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

West India Gherkin "Burr" Cucumber. Small, oval green fruits about two inches long, covered with soft, fleshy protuberances; exclusively used for pickles. Pkt, 5c; oz, 20c, postpaid.

Early Cluster. Vines vigorous, producing the bulk of the crop near the root and in clusters very early. Fruit short, holding full size to each end. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

Chicago Pickling. A variety much esteemed above all others by Chicago market gardeners, and grown extensively for the large pickling establishments in that vicinity. Fruit medium length, pointed at each end, with large and prominent spines; color, a deep green. It contains all the good qualities of an early cucumber. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1.10, postpaid.

Cool and Crisp. The peculiar feature of this variety is the knots of protuberances upon which the spines are placed, are very prominent, giving an attractive appearance. This variety is the earliest and most prolific of all pickling cucumbers; will become a standard sort. Dark green, almost black. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

White Wonder. A splendid white variety. One of the handsomest cucumbers. The vines are vigorous and rapid in growth, thus enabling it to produce a large crop even under the most adverse circumstances. The cucumbers are ivory white color, of good keeping quality and average about eight inches in length and two and a half inches through. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

VINE PEACH A splendid novelty. A vine on which they are borne is somewhat similar to the muskmelon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped and of a bright yellow orange color, somewhat russeted. For sweet pickles, pies or preserving, they are superb. Wonderfully prolific and can be used in every way in which you would use a peach, except that they are not liked raw. Pkt, 5c; oz, 25c; $\frac{1}{4}$ lb, 75c, postpaid.

GARDEN LEMON Fruit is 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. Pkt, 5c; oz, 25c; $\frac{1}{4}$ lb, 75c, postpaid.

ENDIVE Culture—Sow the seed in open ground in drills 18 or 20 inches apart; when well started, thin out to 10 inches between the plants; when nearly full grown tie the outer leaves together over the center in order to blanch the heart of the plant. One ounce will sow 50 feet of drill and will produce 3,000 plants.

Mammoth Green Curled. Superior to the old Green Curled; leaves are very crisp, tufty and full. Midrib is pure white, with large white heart, fleshy and tender. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 50c, postpaid.

EGG PLANT.

Eierpflanze Ambergine

Culture—Sow the seed (which is slow to germinate) in hotbed or in pots or boxes in the house early in the spring. When all danger of frost is past, transplant in the open ground $2\frac{1}{2}$ to 3 feet apart each way.

New York Improved. The leading variety for market and table. Fine quality. Pkt, 5c; oz, 25c; $\frac{1}{4}$ lb, 80c, postpaid.

KOHLE-RABI OR TURNIP.
ROOTED CABBAGE

This is a favorite vegetable in Europe, where it is extensively grown for feeding cattle, as well as for table use. The bulb is formed above ground and if used when young and tender makes a most delicate dish for the table. One ounce will sow 150 feet of drill.

Early White Vienna. Flesh white, tender and succulent when young. Best for table. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 50c, postpaid.

LEEK, Large London or Flag. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 30c, postpaid.

GOURD Nest Egg. Resembling in color, shape and size the egg of hens. Do not crack, last for years and make the best of nest eggs. Rapid grower and good climber, extremely ornamental and useful for covering screens, etc. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 50c, postpaid.

New Japanese Dish Cloth or Luffa. Ornamental enough for a house vine and fruit is very useful. Fruit enormous, two feet in length and borne in great profusion. The lining of mature fruit, when washed and bleached, is porous, elastic, sponge-like, making the nicest, cleanest substitute for dish cloths and bath sponges imaginable; besides being useful for various articles of fancy work. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 50c, postpaid.

Hercules. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 50c, postpaid.



NEST EGG GOURD

LETTUCE

Lattich-Salat Laithe Laktuk

Culture—For very early use the seed may be sown in hot-bed, and, as soon as the weather permits, may be sown in the open ground, in rows 18 inches apart and not over $\frac{1}{2}$ inch deep. If planted too deep the seed will not germinate. Sow every two or three weeks for a succession. One ounce for 100 feet of drill.

Early Head Lettuce==May King

A desirable, very early head lettuce has long been sought. This new variety meets the requirements. Growth rapid—so rapid it is ready far ahead of other heading sorts. Heads medium sized with outer leaves folding close to the head, thus permitting close planting for frame work; color fine, outer leaves tinged slightly brown; heart of a beautiful appetizing yellow; quality excellent, leaves being exceedingly tender. Pkt 5c, oz 10c, $\frac{1}{4}$ lb 35c, lb \$1.25.

Hard Head. Appropriately named, as it is one of the hardest heading of all lettuces. It grows very rapidly and heads extremely early. The heads are nearly as solid as cabbage. It is as palatable as it is beautiful, very tender, very brittle; of a sweet, buttery flavor. It surpasses in quality most varieties of cabbage lettuce. It is ready for use from the time it is three inches across, until it runs to seed and always crisp and tender. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 50c; $\frac{1}{2}$ lb, 80c; lb, \$1.50, postpaid.

Tomhannock. Forms a beautiful plant. The leaves grow upright, the upper part of the outer leaves turning out very gracefully and are very handsomely wrinkled. It grows very quickly. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

Golden Ball. An interesting and valuable new variety, very early, good for forcing or open ground and will withstand the most intense heat. The heads are medium size, ball shaped, of a beautiful golden color, crisp and tender, of excellent flavor. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; lb, \$1, postpaid.

Crisp-as-Ice. A most beautiful, attractive lettuce of the cabbage type. The heads are solid, of immense size when well grown, and so exceedingly tender and brittle as to fully warrant the name. An exceedingly superior family and home market lettuce. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

Iceberg. Quick growing and of exquisite flavor. The large curly leaves which cover the outside of the solid heads are of bright, light green, with a slight reddish tinge on the edges. We can confidently recommend the Iceberg. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

Hanson. We can recommend this as one of the very best. Heads green outside and white within. Grows to a remarkable size; very solid and is deliciously sweet, crisp and tender. It withstands the hot sun. This stock of Hanson Lettuce has been so improved that most of the heads are so very solid that they do not send up any seed stocks unless cut open with a knife. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

Brown Dutch. An old sort, noted for its hardness. Leaves large, thick, green, tinged with brown. May be used in the South as a winter lettuce. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

Curled Simpson or Perpetual. This does not form a head but a compact mass of leaves, which are tender and of excellent quality and of rapid growth—early, and stands heat well. One of the best for outdoor growth, and good for forcing. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

White Summer Cabbage. A bright green, vigorous, sure heading sort which forms a solid head of thick tender leaves, the inner ones blanched to a beautiful creamy yellow. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

Early Tennis Ball. Very early, forms a close, hard head; leaves crisp and tender. A very popular sort for forcing in hotbeds. As it has but few outer leaves it can be planted six or seven inches apart. Pkt, 5c; oz, 10c; lb, \$1, postpaid.

White Cos. Differs entirely in shape from the other varieties, the head being elongated and of conical form, 8 or 10 inches in height, and 5 or 6 inches in diameter. The outer coloring of this variety is yellowish green. To be had in perfection it requires to be tied up to insure blanching. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.



HARD HEAD LETTUCE

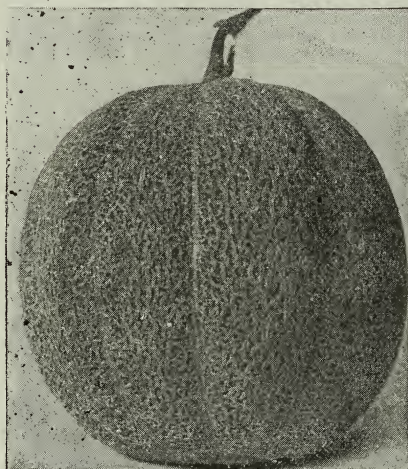
MUSK MELON

Cantaloup Melon Muscade Muskat Melon

Remember that these prices are for seed prepaid by mail. If ordered by freight or express deduct 8c per pound.

One ounce of seed for fifty hills; 2 or 3 pounds per acre.

Culture—When the ground has become warm plant in hills 4 or 5 feet apart each way, 6 to 12 seeds in a hill; when danger of insects is past, pull out all but three or four of the largest plants. Cultivate thoroughly the whole season, but not to exceed two inches deep, keeping the surface as smooth as possible.



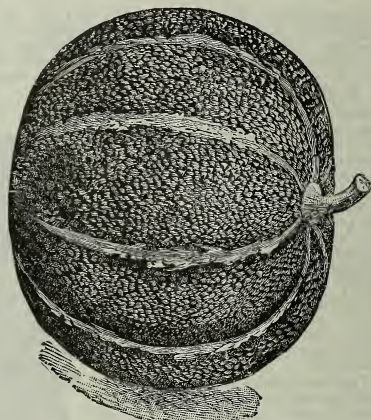
PAUL ROSE OR PETOSKEY MUSK MELON

Paul Rose or Petoskey. In this new sort are combined all the good qualities of the *Netted Gem* and *Osage*, the varieties from which it originated. The fruit is oval, about five inches in diameter, and in shape and general appearance similar to the well known *Netted Gem* or *Rocky Ford*. The firm flesh is rich orange red color like that of the *Osage*, but even sweeter and higher flavored, retaining its good qualities quite to the rind. It is rare that a musk melon of such superlative quality is a good market or shipping sort, but the firm, solid flesh, and thin, but strong rind of this sort make it the best shipper we know of. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 65c; lb, \$1; postpaid.

Mammoth Montreal Nutmeg. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 65c; lb, \$1, postpaid.

Miller's Cream. The finest flavored melon in cultivation, and best melon grown for the market gardener, for the trucker, for the farmer or for the small planter. It is without question the sweetest of all melons. The flesh is of a rich salmon color, very sweet and melting in quality, and is so very thick that the melon is almost solid, the seed cavity being remarkably small. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 65c; lb, \$1, postpaid.

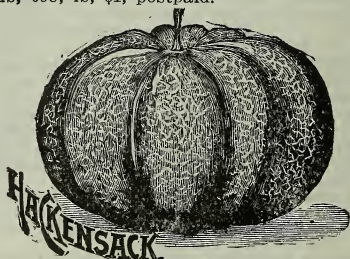
Mr. Otis L. Dalby, Crookston, Minn.: "I have found that your seeds are the finest I have obtained anywhere and will thrive under almost any kind of climate."



EMERALD GEM MUSK MELON

Emerald Gem. Extremely early, skin smooth, surface ribbed, color deep emerald green, very thick salmon colored flesh, and ripens thoroughly to the very thin green rind. The flavor is sweet and luscious. The vines are hardy, thrifty and very prolific. Pkt, 5c; oz, 10c; ¼ lb, 40c; ½ lb, 75c; lb, \$1.25, postpaid.

Rocky Ford. Much sought after on account of its exceptionally fine flavor. The flesh is greenish white in color, very juicy and rich and good clear to the rind. It is medium in size, of round form and a most excellent keeper. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 65c; lb, \$1, postpaid.



HACKENSACK MUSK MELON

Extra Early Hackensack. An improved strain of the popular *Hackensack*, being about two weeks earlier and retaining all of its former excellence, making it a very valuable sort for market or home use. Large size, deep ribbed, nearly round, flattened at the ends; skin and flesh green and of delicious flavor. Pkt, 5c; oz, 10c; ¼ lb, 40c; ½ lb, 75c; lb, \$1.25, postpaid.

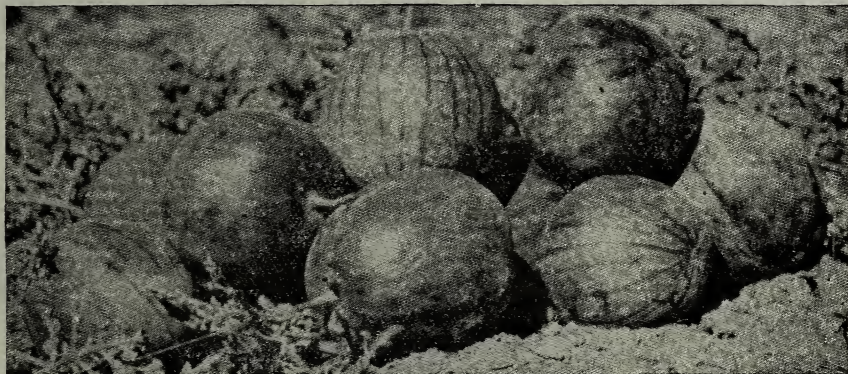
Selected Watermelons

Wassermelone Melone d' Eau Vatten Melone

Remember that these prices are for seed prepaid by mail. If ordered by freight or express deduct 8c per pound.

One ounce of seed for 30 hills. 2 or 3 pounds per acre.

Culture—When the ground has become warm, plant in hills four or five feet apart each way, 6 to 12 seeds in a hill; when danger of insects is past, pull out all but three or four of the largest plants. Cultivate thoroughly, about two inches deep, until the vines cover the ground.



WILL'S SUGAR WATER MELON, EARLIEST ON EARTH.

Will's Sugar. A small melon, oval in shape, color mottled with light and dark green. Flesh, bright red, perfectly solid, very sweet and of delicious flavor, often so full of saccharine that bits of dry pulp show a coating of sugar. Will mature anywhere in North America south of the 50th parallel. If you want the most delicious watermelon ever introduced do not fail to include Will's Sugar in your order. Pkt, 5c; oz, 15c; ¼ lb, 50c; ½ lb, 90c; lb, \$1.50, postpaid.

Peerless, or Ice Cream. An excellent one for home use. Early, medium size, oblong, light green skin with very sweet, melting, delicious flavored crimson flesh. Seeds white. Pkt, 5c; oz, 10c; ¼ lb, 30c; ½ lb, 50c; lb, 90c, postpaid.

Light Icing or Ice Rind. This is equally as fine flavored as the Dark Icing, from which it differs only in having clear, light colored skin. Per pkt, 5c; oz, 10c; ¼ lb, 30c; ½ lb, 50c; lb, 90c, postpaid.

Cuban Queen. An excellent melon of the largest size. Flesh bright red, very solid and sweet. Skin striped dark and light green, ripens quite early and is wonderfully productive. Very popular. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 60c; lb, 90c, postpaid.

Phinney's Early. One of the very earliest, of medium uniform size, oblong shape. Flesh

bright red and very sweet. Seeds white, skin mottled white and green, vines vigorous and very productive. An excellent variety for market or home use in northern latitudes. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 60c; lb, 90c, postpaid.

Mountain Sweet. Fruit large and oblong. Flesh red, solid and very sweet. A delicious and very desirable standard variety. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 60c; lb, 90c, postpaid.

Kleckley Sweets. This is one of the best and sweetest flavored large watermelons in cultivation. Skin dark green, thin rind, flesh scarlet, very solid, firm and most luscious quality. For the home market or family garden it is hard to beat. Pkt, 5c; oz, 10c; ¼ lb, 30c; ½ lb, 50c; lb, 90c, postpaid.

Colorado Preserving Melon. This is quite distinct from the ordinary citron. Is of large size and more productive. The flesh is firm and solid, with but few seeds, and makes preserves of the finest flavor, clear and nearly transparent. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 65c; lb, \$1, postpaid.

Citron. A round, handsome fruit of small size, used in making sweetmeats and preserves. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 65c; lb, \$1, postpaid.

A. J. Castner, Beach, N. D.: "Last spring we ordered our garden seeds from you and had fine seed."

Mr. Walter Haskell, Hastings, Mich.: "We bought seeds of you last year and they gave good satisfaction."

O. O. Long, Lindsay, Mont.: "We have purchased your seeds for three years and have always found them to be all and more than you claim them to be."

Will's Best American Grown Onion Seed

Zwiebel Ognon Lok

One ounce for 100 feet of drill, 4 to 5 pounds per acre.

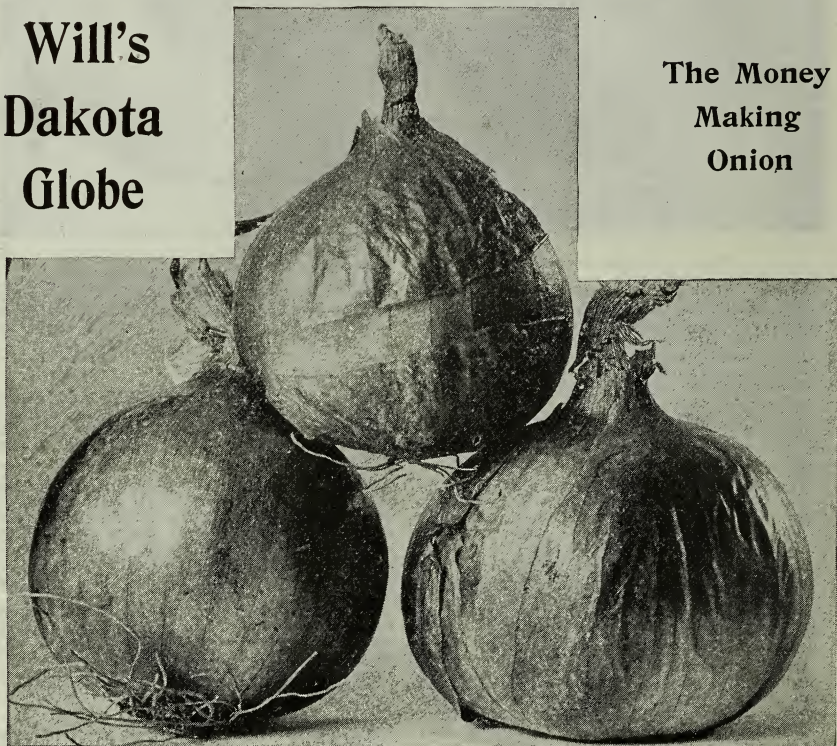
Culture—Sow as early in the spring as ground can be worked, in drills 15 inches apart, covering one inch deep.

We desire to call particular attention to our Onion Seed, which, as a whole, stands without an equal for quality and productiveness. We are not trying to produce Onion seed at as low a cost as possible, but we are trying to produce something that will please our customers and make it profitable for them to plant our seeds. Everyone who has had experience knows that poor Onion Seed is dear at any price. Do not risk cheap seed, but send direct to us for your supply.

Our 1912 Onion Seed crop, though not as abundant as the 1911 crop, but owing to increased contracts and acreage, we have a fair supply and have made our prices as low as possible, quality considered.

**Will's
Dakota
Globe**

**The Money
Making
Onion**



Will's Dakota Globe Onions

This is the finest, if not the very best selected type of Yellow Globe Onion. We call it "Dakota Globe" to distinguish it from other stocks of Yellow Globe Onions from which it differs not only in purity of stock and perfection of shape, but in earliness, productiveness, and purity of color. Per pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c; lb, \$1, postpaid. By express or freight, 4 lbs, \$3.50.

Best Yellow Globe Danvers

This is a standard variety for winter use in nearly all markets, producing well ripened bulbs averaging 3 inches in diameter and nearly globe-shaped. Skin a light golden brown or pale yellow; flesh pure white; crisp and mild in flavor. Our strain is most carefully selected, plants having very slender necks and the bulbs ripening uniformly. The Yellow Globe Danvers seed we offer is fully equal to the best market garden strains. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c; lb, \$1, postpaid. By express or freight, 4 lbs, \$3.50.

Best Southport Large Red Globe

Our strain is carefully selected to the thin-necked, sure ripening type. The skin is the most highly colored of all onions, being a deep glossy red, extremely showy when cleaned for market. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c; lb, \$1, postpaid.

Best New Queen Onion. The onion for pickling. A remarkable keeper and rapid grower. Sown in May will produce onions for table before July 1st. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 55c; $\frac{1}{2}$ lb, \$1; lb, \$1.90, postpaid.

Best Prizetaker Onion. An excellent keeper, of finest flavor, handsome shape, and enormous size. The Prizetaker grows always to a perfect globe shape, with straw-colored skin. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c;



BEST EXTRA EARLY ONION

lb, \$1, postpaid. By express or freight, 4 lbs, \$3.50.

Best White Globe Onion. A large globe shaped onion. Firm fine-grained, of mild flavor and keeps well. This is one of the handsomest onions grown; of beautiful shape, clear white skin, and commands the highest market price. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 55c; $\frac{1}{2}$ lb, \$1; lb, \$1.90, postpaid.

Best Extra Early Red Onion. This variety matures very early. It yields abundantly and is of mild flavor, medium size, deep red color, very close grained, solid and heavy. This will often form bulbs in cold and murky soils where other varieties fail. It is highly recommended, particularly for the North and Northwest. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c; lb, \$1, postpaid. By express or freight, 4 lbs, \$3.50.

Extra Early Red Bermuda. These onions grow to an immense size and are of a beautiful form. The skin is very thin, flesh white, fine grained, of mild and pleasant flavor. It will grow an onion from 1 to 1 $\frac{1}{2}$ pounds from seed, very early and profitable. Grown in many sections to the exclusion of all other sorts, for the markets. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c; lb, \$1, postpaid.

Australian Brown Onion

The Australian Brown Onion is of medium size, wonderfully hard and solid and most attractive for market, both as to form and appearance. They are extremely early in ripening and never make any stiff-necks or scullions. Every seed seems to produce a good sized onion, and bulb begins to form very quickly—when the plant is not over three inches high. Planted at the same time as Red Wethersfield, it proved to be nearly four weeks earlier and ripened off more uniformly. From its firmness and hardness it will keep in good condition longer than any other onion known. The color of the skin is a clear amber brown. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c; lb, \$1, postpaid. By express or freight, 4 lbs, \$3.60.

Mr. P. M. Hessom, Columbus, Mont.: "I had some good seed of you last year. Had 504 cat sacks of onions on an acre from your seed."

Mr. S. L. Maxwell, Velva, N. D.: "The onion seed I purchased of you have done fine."

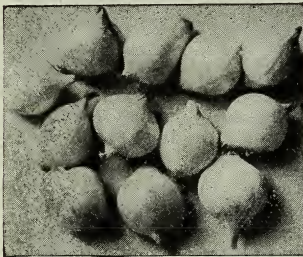
"Harry W. Lytle, Lytle, Mont.: "We use your seeds and consider them the best for this locality."

Best White Silverskin, or White Portugal Onion. Very desirable for family use. Flavor mild and pleasant, skin silver white and of handsome appearance. Highly esteemed for pickling when young; also for market in early winter. Pkt, 5c; oz, 20c; $\frac{1}{4}$ lb, 75c; $\frac{1}{2}$ lb, \$1.25; lb, \$2, postpaid.

Mr. Wm. Marts, Big Horn, Mont.: "I bought my onion seed of you last spring and now have about one acre of as fine onions as I ever saw. I think they will make something like 400 bushels per acre."

Onion Sets

Bottom Onion Sets. These are the product of seed planted closely to prevent full development. They are used to produce "green onions" or large onions, which they do much quicker than can be produced from seed.



WHITE BOTTOM SETS

Yellow Bottom or Red Standard Size, thoroughly matured and solid. Pint, 15c; qt, 25c, postpaid. Qt, 15c; pk, 75c; $\frac{1}{2}$ bu, \$1.60; bu, \$2.50, express or freight.

White Bottom. Standard size, thoroughly matured and solid. These sets are very choice. Pint, 20c; qt, 35c, postpaid. Qt, 25c; pk, \$1.25; $\frac{1}{2}$ bu, \$2; bu, \$3, express or freight.

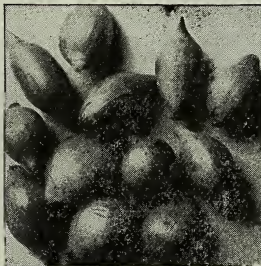
Red Spring Top. (Also called Winter Onions). These are planted to produce both early "green onions" and large eating onions. Pt, 25c; qt, 45c; postpaid. Qt, 35c; pk, \$1; bu (28 lbs), \$3.50, express or freight.

White Multipliers Especially valuable for the First Early Spring Bunch Onion. They are of a pure silvery-white color which runs well up the stem, and in flavor, very mild and sweet, far superior to the green onions from other sets. There is usually several stalks from a single bulb and in this way they are very productive. Their most important quality is extreme earliness, being ready for eating ahead of any other kind. Pt, 25c; qt, 45c, postpaid. Pt. 20c; qt, 35c; pk, \$1.50; bu, \$5, by express or freight.



Best Large Red Wethersfield

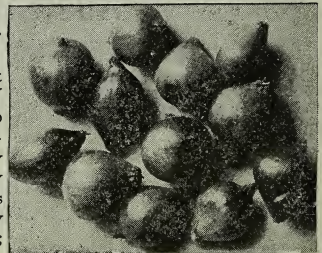
Of large size and fine form. Skin deep purplish-red, flesh purplish-white, moderately fine grained, stronger in flavor than the yellow or white onions. Very productive and an excellent keeper. Immense crops of this onion are grown for shipment, and it is one of the very best sorts. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c; lb, \$1.10, postpaid. By express, 4 lbs, \$4.



RED BOTTOM SETS

Okra or Gumbo, Dwarf Green. Earliest and best for the north. Pkt, 5c; oz, 10c; postpaid.

Mr. S. E. Wilsie, White Earth, N. D.: "I have used your seeds the last two years and had good success with them."



YELLOW BOTTOM SETS

PARSNIP

Pastinake *Panais* *Palsternacka*

One ounce for 200 feet of drill; 4 to 5 pounds per acre.

Culture—Sow as early in the spring as possible, in rows 18 inches apart and about 1 inch deep. The ground should be deeply plowed and well cultivated. Thin to two inches as soon as plants are large enough to handle.

Long Smooth or Hollow Crown. A great cropper, tender, sugary and considered the best for general cultivation. Parsnips are improved by remaining exposed to frost. Pkt, 5c; oz, 10c; ¼ lb, 25c; ½ lb, 45c; lb, 75c, postpaid.

Improved Guernsey. (Improved Half Long.) A greatly improved and wonderfully fine strain of Guernsey Parsnips, of which our customers are unanimous in praising the fine quality. The roots do not grow so long as the Hollow Crown, but are of greater diameter and more easily gathered. It is a very heavy cropper. The roots are very smooth, the flesh is fine grained and of most excellent quality. Pkt, 5c; oz, 10c; ¼ lb, 25c; ½ lb, 45c; lb, 80c, postpaid.

Palo Alto. This is a particularly fine and improved strain. The flesh is white and of fine texture, free from stringiness, superior flavored and tender. It cooks up sweet and rich, making a delicious vegetable for winter use. The roots are very smooth, heavy at shoulder, well rounded and tapering, and may be termed half long. It will stand longer without getting tough and woody than any other variety. Pkt, 5c; oz, 10c; ¼ lb, 25c; ½ lb, 40c; lb, 65c; postpaid.

PARSLEY

Petersilie *Persil* *Parsilja*

Culture—Soak the seeds a few hours in lukewarm water and sow early in spring in drills one foot apart. Thin out the plants to about four inches. Cover the seed not more than one inch. Very slow to germinate, usually three weeks.

Champion Moss Curled. Leaves beautifully curled and moss-like, of the richest green. Pkt, 5c; oz, 10c; ¼ lb, 20c; lb, 75c; postpaid.



CHAMPION MOSS CURLED PARSLEY

New XXX Parsley. The introducer says: "When traveling in Europe our representative ran across this Parsley growing in one of the trial beds of one of the best growers there. The wonderful dark green color and the exquisite curliness were a remarkable contrast with the other older sorts in the same field." The habit of the plant is dwarf and compact, making it most desirable for green houses or pot planting indoors and for a neat border in the vegetable garden. The flavor is the very best. Pkt, 10c; oz, 35c; ¼ lb, \$1, postpaid.



HOLLOW CROWN



IMP. GUERNSEY PARSNIP

PEPPER

Pfeffer *Piment*

Culture—Sow the seed (which is slow to germinate) in hot beds or boxes in the house, when large enough transplant into other boxes or pots, and, when all danger of frost is past, transplant in the open ground in rows 2½ feet apart, setting the plants about 18 inches apart in the row.



RUBY KING PEPPER

Ruby King. This is now the most popular large pepper in cultivation. Very large, scarlet fruits of sweet mild flavor. Plants grow two feet high and bear a fine crop of handsome large fruits, which ripen earlier than any other large fruited variety. The flesh is quite thick, sweet and mild. Especially fine as an ingredient for pickled cabbage, salads or stuffed mangoes. Pkt, 5c; oz, 25c, postpaid.

Pepper continued next page.

PEPPERS—(Continued.)

Celestial. The plants are ornamental in growth. The small thin peppers of a most conspicuous coral-red color. A single plant will bear hundreds of the handsome hot little peppers. Pkt, 5c; oz, 30c, postpaid.

Red Cayenne. A long slim pod, rather pointed and when ripe of a bright red color; extremely strong and pungent. Pkt, 5c; oz, 25c, postpaid.

Large Bell or Bull Nose. A very large sort of inverted bell shape. Flesh thick, hard and less pungent than most other sorts, and one of the earliest varieties. Pkt, 5c; oz, 25c; postpaid.

Golden Dawn. In shape, size and habit like the above. Color yellow. Pkt, 5c; oz, 25c, postpaid.

Chinese Giant. This monstrous fruiting variety averages 12 to 15 inches in circumference, and notwithstanding its immense size, it is very early and prolific; the stocky, well-branched plants, about two feet high, carry so many peppers that in places they seem bunched together. The flesh is thick, tender, mild, sweet and unexcelled when sliced as salad or for stuffing for "mangoes." When ripe the surface is of a brilliant glossy scarlet. Pkt, 10c, postpaid.

SOME GOOD PUMPKINS

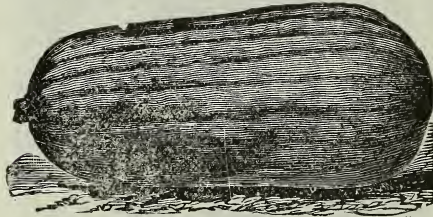
Kurbis Curga Pumpa

One ounce to 30 hills; three to four pounds per acre.

Culture—Plant in hills six to eight feet apart, with 5 or 6 seeds in the hill, when the ground has become warm and the weather favorable, giving same cultivation as to melons.

Golden Oblong. Distinct from all other varieties in cultivation. The very best for pumpkin pies. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 30c; lb, 50c, postpaid.

Connecticut Field. Pkt, 5c; oz, 10c; lb, 50c, postpaid.



GOLDEN OBLONG



SWEET SUGAR PUMPKIN

Sweet Sugar. A particularly fine orange-colored sort. Remarkably sweet, fine grained and dry. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 35c; lb, 50c, postpaid.

Sweet Potato. If you want the best pumpkin known for cooking purposes try the Tennessee Sweet Potato. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 60c; lb, \$1, postpaid.

Quaker Pie. A creamy color both inside and out, very hardy and productive. It is early and keeps late. Pkt, 5c; oz, 10c; ¼ lb, 35c; ½ lb, 60c; lb, \$1, postpaid.



KING OF MAMMOTH PUMPKINS

King of Mammoths. This truly colossal variety sometimes attains a diameter of four feet. The flesh and skin of a bright golden yellow color, very fine grained, excellent for baking and pies. Pkt, 5c; oz, 15c; ¼ lb, 50c; ½ lb, 90c; lb, \$1.75, postpaid.

"We raised one pumpkin last year that was 5 feet around."—HALES BROS., Malta, Mont.

Constance Van Horn, Sentinel Butte, N. D.: "I must say that all the seeds which we received from you have done fine here. We always have a fine garden."

Nathan Gorsuch, Sisseton, S. D.: "Your seed is the best I have ever tried."

Mrs. Mary Burns, Albin, Wyo.: "I have used your garden seed here in Wyoming for the past four years and they do fine each year, best adapted to this altitude of any I have tried."

WILL'S CHOICEST GARDEN PEAS

Erbse Pais Arter

One quart for 100 feet of drill; 2 to 3 bus. in drills per acre.

Culture—Sow early in the spring in rows 18 to 24 inches apart. The peas will give quicker returns if covered only one inch deep, and where earliness is the most important, they may be treated in that way, but longer pods and more of them will be produced if the seed is planted in trenches three to six inches deep and covered with one or two inches of soil. When the plants are five or six inches high, fill the trench level with the surface. Sow every two weeks for succession. For field culture they may be sown broadcast and plowed under.



NOTT'S EXCELSIOR PEAS

½ pt, 15c; pt, 25c; qt, 45c, postpaid. Pk, \$2.00, by express or freight.

Bliss's Everbearing. In this remarkable variety we have a pea which will everywhere be recognized as an excellent sort of summer and autumn crop. Height of vine 18 inches to 2 feet. Its habit of growth is a peculiar branching character, forming as many as ten stalks from a single root stalk. 100 pods have been counted on a single vine. Pkt, 5c; ½ pt, 20c; pt, 30c; qt, 40c, postpaid. Pk, \$1.75, by express or freight.

Nott's Excelsior. This is a very fine variety of compact dwarf growth, with pods one-third larger than those of the American Wonder and maturing almost equally as early. The pods average four inches in length, and are well filled to the squared ends with peas of large size and unusually sweet flavor. So closely are the peas packed in the pod that they are flattened against each other at the sides. It not only yields more heavily in bulk of pods than other extremely dwarf varieties, but also of shelled peas. Illustration is from a photograph, and is a true representation. Pkt, 5c; ½ pt, 15c; pt, 25c; qt, 40c, postpaid. By express or freight, qt, 25c; pk, \$1.50.

Prince of Wales. Might properly be called the main crop pea. Average height of vine two feet. Seed very large, yellow and wrinkled. The pods are large. Will produce more pods from a given number of seed than any other sort, and will give a greater number of shelled peas to the same number of pods. Try them. Pkt, 5c; ½ pt, 20c; pt, 30c; qt, 45c, postpaid. By express or freight qt, 30c; pk, \$2.00.

McLean's Little Gem. A great favorite and largely used by market gardeners, as the large handsome well-filled pods containing peas of finest quality for table use, are borne at top of stalk and are easily gathered. Very vigorous in growth. Height one foot, seed green, very much wrinkled. About ten days earlier than Nott's Excelsior. Our strain is remarkably pure and desirable. Very popular in some sections with canners. Pkt, 5c; ½ pt, 15c; pt, 25c; qt, 40c; postpaid. Pk, \$1.75, by express or freight.

Yorkshire Hero. Unsurpassed for sweetness and delicious flavor. Pkt, 5c;

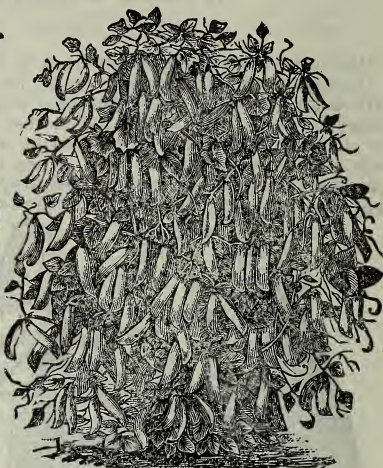
PEAS—(Continued).

Will's First of All. Earliest pea in cultivation. Besides being early it is also an even cropper—can be cleaned at two pickings. For succession sow a crop every two weeks from early spring until July or August and you will have peas the whole season. Pkt, 5c; ½ pt, 15c; pt, 25c; qt, 45c; postpaid. Pk, \$1.75, by express or freight.

Gradus or Prosperity. Extra early; a new large podded marrow of finest quality, maturing pods only two or three days later than the small-podded, round-seeded, extra earlys. The vine has heavy stems with large dark-green leaves and grows three feet high. It produces uniformly large pods, measuring from four to four and a half inches in length, nearly round, and well filled with very large handsome peas of the finest flavor. The peas remain tender

and sweet for some time after they are large enough for use. As the vines continue in bearing for some little time after the first pods are ready, we consider it one of the most desirable for the family garden. Pkt, 5c; ½ pt, 25c; pt, 45s; qt, 75c; postpaid. Pk, \$4, by express or freight.

Champion of England. Although this is one of the oldest of the tall growing, late peas, we have not yet found one that surpasses it in quality. There is no other pea as sweet as this. The vines grow almost five feet high, are very vigorous and produce the large pods of luscious peas in the greatest abundance. The strain we offer has been selected with greatest care and will be found superior to seed offered in the market by most dealers. Pkt, 5c; ½ pt, 15c; pt, 25c; qt, 45c, postpaid. Pk, \$1.75, by express or freight.

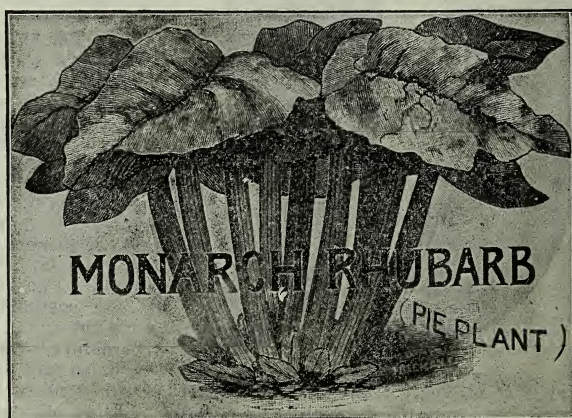


WILL'S FIRST OF ALL PEAS

Monarch Rhubarb

(Pie Plant)

The most vigorous productive variety ever known. The leaf stalks are very numerous, the longer ones being from 15 to 30 inches long and full two inches wide. Pkt, 5c; oz, 25c; ¼ lb, 75c; lb, \$2.50; postpaid. For roots see page 80.



Albert A. Kesler, Hulett, Wyo.: "The garden seed I bought from you were all in every respect. All of my garden this year is from your stock of seed and is as fine as one could wish. They have given better results than any I ever planted."

WILL'S BEST RADISHES

Rettig Radis Rattikor

For early use the seed may be sown in hot-bed. For open ground culture, sow in the spring as soon as the ground can be worked, in drills 10 to 12 inches apart. Sow every two weeks for a succession.

Will's Earliest Carmine Radish. The quickest of all red radishes. Quick growth is one of the main essentials for a crisp and tender radish. This matures in 20 days after sowing, which makes it one of the most valuable sorts for forcing or out-door culture. The flesh is pure white, crisp and of very pleasant flavor. The leaves are very short, which admits of very close sowing. Pkt, 5c; oz, 10c; ¼ lb, 25c; ½ lb, 40c; lb, 75c, postpaid.

Triumph. A valuable and distinct novelty in forcing radishes. The roots are about the same size and shape as Scarlet Turnip, but are creamy white, beautifully marked with spots and dashes of carmine. The tops are small and it matures about as early as any variety in cultivation. Desirable on account



WILL'S EARLIEST CARMINES RADISH

of its distinct beauty, earliness and good quality. Pkt, 5c; oz, 10c; ¼ lb, 30c; ½ lb, 55c; lb, \$1, postpaid.

Leafless. Extra early. Remarkable for the small size of its leaves. The roots grow so quickly that they are practically in advance of the leaves, and for that reason it is called "Leafless." A beautiful bright color, and the crisp, tender flesh is excellent. Pkt, 5c; oz, 10c; ¼ lb, 30c; ½ lb, 55c; lb, \$1, postpaid.

Burpee's Surprise Radish. Of very early, quick growth. The Surprise is remarkable for remaining in fine condition without becoming pithy for a very long time. It might also be called an "all season's" radish, as it is the same fine quality the middle of summer. By successive sowings it will keep the table constantly supplied with very choice radishes.



TRIUMPH RADISH

The roots are oblong or oval in form. The skin is very thin and light brown. Pkt, 5c; oz, 15c; ¼ lb, 30c; ½ lb, 55c; lb, \$1, postpaid.

Scarlet Turnip. Excellent for summer use. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 35c; lb, 60c, postpaid.

Scarlet Turnip White Tip. This radish is bright scarlet with a white tip; the root is very slender. Our seed is most carefully grown, and is just right in color, size and shape. Many hundreds of pounds of this seed is sold to the critical market gardener. Our stock is the very best. Pkt, 5c; oz, 10c; ¼ lb, 20c; lb, 60c.

Early Scarlet Globe. For greenhouse or hot-bed forcing and for out-of-doors; the top is small and stands heat without becoming pithy; very early, mild, crisp and tender; one of the most attractive, best selling radishes because of its handsome, rich, bright scarlet color and because of its excellent quality a great favorite.

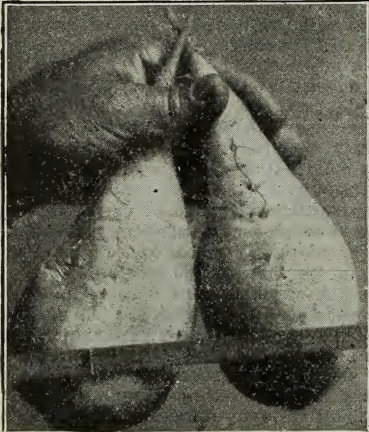


BURPEE'S SURPRISE RADISH

ite. It is ready in twenty-five days. Our stock of this is the very best, selected with great care as to size, shape, color and earliness, and market gardeners will find it a money-maker. Pkt, 5c; oz, 10c; ¼ lb, 35c; lb, 90c, postpaid.

French Breakfast. Quick growth, very mild and tender. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 35c; lb, 60c, postpaid.

Model Box. This is the earliest white radish for either the home or market gardener. It is equally valuable for forcing or growing in open ground at any season of the year. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 40c; lb, 65c, postpaid.



WILL'S ALL-TIME RADISH

Will's All-the-Time Radish. As the name indicates this radish is good from three weeks after sowing the seed until late in the season. This cut is from a photo taken two months from the time the radishes were large enough to gather for the table, and although the size was enormous, yet they were as tender and crisp as possible. This is not a winter radish, as so many seem to think, for it is nearly as early as the earliest sorts. Of course, certain conditions will render any radish pithy and woody, such as very dry soil or too heavy soil. A radish must grow quickly, on the start, at least, to be crisp and tender. Pkt, 5c; oz, 10c; ¼ lb, 20c; lb, 75c, postpaid.

Glass, or Cincinnati Market. Very crisp, tender flesh, and bright, attractive color, slightly tipped with white at the end of the root. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 35c; lb, 60c, postpaid.

White Strasburg. One of the quickest growers of all radishes. Both skin and flesh pure white. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 35c; lb, 60c, postpaid.

Chartier. A very handsome rose colored radish, tapering to white near the tip. It is a good color, very tender and remarkably free from pith. It remains in eating order a long time. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 35c; lb, 60c, postpaid.

Long Scarlet Short Top. The standard variety. Pkt, 5c; oz, 10c; ¼ lb, 20c; lb, 60c, postpaid.

Black Spanish Winter. One of the latest as well as the hardiest of radishes, and is considered an excellent sort for winter use. Pkt, 5c; oz, 10c; ¼ lb, 20c; lb, 60c, postpaid.

China Rose Winter. The best winter radish in cultivation. Pkt, 5c; oz, 10c; ¼ lb, 20c; lb, 60c, postpaid.

One ounce for 100 feet of drill.

SPINACH

Spinat Espinard

Sow in early spring, in drills 12 to 15 inches apart, covering not more than one inch deep. Sow every two weeks for succession.

Savoy Leaved, or Bloomsdale. This is the hardiest of all, producing twice the weight of crop, leaves are large, very thick and curled like Savoy cabbage, keeps well after cutting. Suitable for all sowing. Pkt, 5c; oz, 10c; ¼ lb, 20c; lb, 45c, postpaid.

Long Standing. Similar to round leaf, but is not inclined to run to seed for a long time. Pkt, 5c; oz, 10c; ¼ lb, 20c; lb, 45c, postpaid.

One ounce to 100 feet of drill.

SALSIFY

Haferwurzeln

Salsifis Bocksagg

Sow as early as the ground can be worked, in drills 12 to 13 inches apart, one inch deep.

Mammoth Sandwich Island. An improved type of this excellent vegetable. It produces roots of nearly double the size and weight of the old variety, and of equally good quality. Although of recent introduction it has been extensively grown for the market of the large cities and in such instances has entirely surpassed the old sort. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 35c; lb, 65c, postpaid.

Long Smooth White. This is the original Oyster Plant, and though not as long grower as the Sandwich Island is of equally good quality. In fact, many prefer it, claiming stronger and richer oyster flavor. Pkt, 5c; oz, 10c; ¼ lb, 30c; ½ lb, 50c; lb, 90c, postpaid.

Mrs. H. Sullivan, Carrington, N. D.: "I have purchased your seeds for four years; never had a failure, all seeds grow. I always had a splendid garden and thankful for same."

Squashes

One ounce to 25 hills, summer, and one ounce to ten hills, winter.

Plant the hills in the same manner and the same time as melons and cucumbers, the bush varieties three to four feet apart and the running kind seven to eight feet apart.

Mandan. This squash is a native sure enough, as it has been grown by the Mandan Indians for many generations. We do not hesitate in saying that it is the most remarkable in several respects. It is the earliest by several weeks of all squashes and also the hardiest. The plant first forms a bush similar to the ordinary bush sorts and forms six to ten squashes, which become fit for the table in a very short time, then runners put out rapidly which produce another crop a little later. Seed planted May 22nd produced matured squashes August first and continued bearing until October 15th. The flesh is nearly white and of excellent quality, particularly fine for frying. Per pkt, 15c; two pkts, 25c, postpaid.

**Earliest
of
All**

**Hardest
of
All**



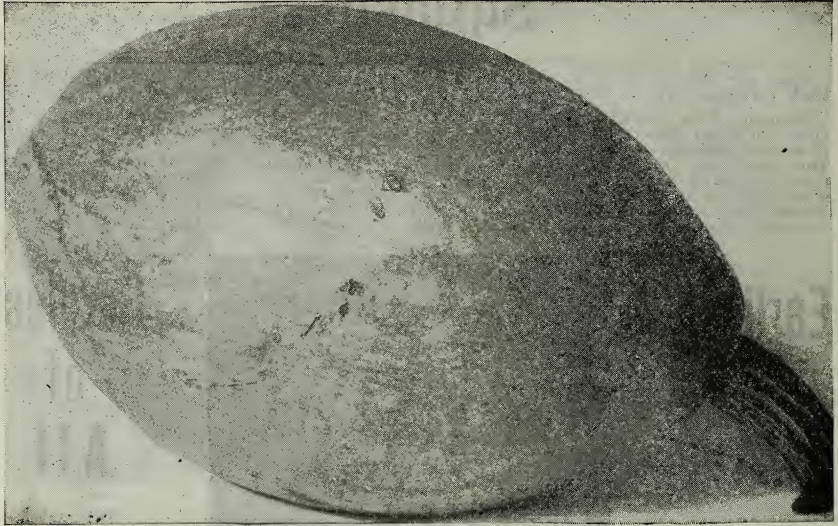
MANDAN SQUASH, EARLIEST ON EARTH

Mammoth White Bush. Scalloped. An improved variety of the well known White Bush squash, growing 12 to 25 inches across; of uniform shape, of a beautiful white color, very early and prolific. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 30c; $\frac{1}{2}$ lb, 50c; lb, 90c, postpaid.

Golden Custard. The color is a dark rich golden yellow, and for quality it cannot be excelled. It grows in bush form and is wonderfully productive. This is a variety of real merit. Try it. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 30c; $\frac{1}{2}$ lb, 50c; lb, 90c, postpaid.

Improved Summer Crookneck. This new strain is early as the common summer crookneck; much larger, often measuring from 13 to 20 inches in length, bright golden color and of the very best quality. Commands an extra price in market. Pkt, 5c; oz, 10c; lb, 70c, postpaid.

Fordhook. An entirely distinct variety. Very early and rapid growth. Will ripen far north. Remarkably prolific. The squashes are rather small, pear shaped or oblong, ribbed, with a thin, light skin, and very thick straw colored, dry and remarkably sweet flesh. Seed cavity very small. Will keep until June in a cool, dry room, and yet in a green state they rival the best summer squashes. Fried Fordhook is delicious. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c; lb, \$1, postpaid.



ROCKY MOUNTAIN SQUASH

Squashes

Rocky Mountain. One of the very best winter squashes in cultivation. Originated by the late D. R. Holbrook, and is a cross between the Green Mountain and Marblehead. Flesh solid and thick, orange in color, dry and of a peculiarly rich flavor. The shell is very hard when fully matured and ranges in color from a very pale to nearly a sky blue. Per pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c; lb, \$1, postpaid.

Faxon. It is remarkably prolific in habit, quality dry and rich, without regard to the size coloring or time of ripening of the fruit—something entirely different in this respect from any other squash. Its valuable points are "earliness, long keeping and high table qualities." Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

Perfect Gem. This variety is equally desirable either as a summer or winter squash. Wonderfully productive. Flesh fine grained and cooks dry and sweet. Rich, delicious flavor. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

Boston Marrow. Much esteemed variety, coming in about ten days later than the bush sorts. Color rich orange. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 25c; $\frac{1}{2}$ lb, 45c; lb, 70c, postpaid.

Golden Bronze. This squash is without doubt the most attractive in appearance of all the squashes in cultivation, and in quality is fully equal to the best winter squashes. Pkt 5c; oz, 10c; $\frac{1}{4}$ lb, 25c; $\frac{1}{2}$ lb, 50c; lb, 75c, postpaid.

Mammoth Chili. The outer skin of this great squash is a rich orange yellow. The flesh is yellow and very thick, and the quality is good and nutritious. It is of the highest value as a stock food, far exceeding ordinary pumpkins in this respect, and answering as well as root crops. It is a prolific variety and a good winter keeper; has reached the great weight of 200 pounds. It is a typical sort to grow for exhibition at the fairs. Pkt, 5c; oz 20c; $\frac{1}{4}$ lb, 50c; lb, \$1.50, postpaid.

New Red or Golden Hubbard. A sport from the old standard of excellence, the Hubbard A perfect type of its parent except in color, which is a bright orange red. Pkt, 5c; oz, 10c $\frac{1}{4}$ lb, 30c; $\frac{1}{2}$ lb, 50c; lb, 90c, postpaid.

Improved Hubbard. A great favorite, more extensively grown for market than any other variety. Of good size, color dark green, shell very hard, flesh yellow, fine grained, dry and sweet. In quality it is the standard of excellence. Our seed is of superior quality, having been grown for many years from carefully selected stock. We believe there is no better. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 60c; lb, \$1, postpaid.

Carrie Willis Frue, Bainville, Mont.: "The seeds I got of you this spring were perfectly satisfactory. I have the nicest garden around here."

WILL'S BEST TOMATOES

*Lichesapel**Tomate*

Culture—Sow in hotbed or shallow boxes in the house in early spring; when plants are large enough, transplant in hotbed or boxes and when all danger from frost is past, transplant in open ground about four feet apart each way.



MILLET'S DAKOTA

Millet's Dakota. This tomato is a hybrid originated by Mr. John W. Millet of this city, who claims it is two weeks earlier than either the Earliana or Earlibell, and at the time the crop was inspected by the writer they appeared to be fully that much earlier than both the above mentioned varieties, grown under the same conditions as the Dakota. The whole crop seemed to be practically of one size and as near alike in form and color as so many beans. The color is a rich deep pink, quality is of the best, plant not what would be called a rank grower, but the most prolific of any of the extra early sorts. Do not let the fact of earliness get away from you; you know what two weeks on your tomato crop means. Packet of twenty-five seed, 15c; two packets, 25c; postpaid.

Earlibell. The earliest red tomato in existence, Dakota excepted. A smooth red tomato either for the market gardener or shipper. It is an enormous yielder. The plant is a perfect mass of large, beautiful red fruit, one bunch containing 23 good-sized fruits, all ripe at once. Pkt, 10c; oz, 40c; $\frac{1}{4}$ lb, \$1.50, postpaid.

Earliana. The plants are quite hardy with rather slender open branches and moderate growth, well set with fruits, nearly all of which ripen extremely early in the season. The tomatoes are deep scarlet and grow closely in clusters of five to eight, all of medium size, averaging $2\frac{1}{2}$ inches in diameter; they are smooth and solid, quite thick through and free from rough ribs or cracks. The flesh is deep red, with solid center and small seed cells. Slightly acid flavor. Pkt, 5c; oz, 25c; $\frac{1}{4}$ lb, 75c; postpaid.

New Coreless. The introducers have combined the good qualities of many of their former productions in this variety; in the New Coreless we have a tomato for the main crop that is a superior sort. Per packet, 5c; ounce, 15c; $\frac{1}{4}$ lb, 50c; postpaid.

Chalk's Early Jewel. Large, smooth and fine flavored, extra early tomato; globular shaped, color bright scarlet; the flesh is thick, solid, of fine flavor, with few seeds. The skin is strong enough to make it a good shipping variety. Pkt, 5c; oz, 25c; $\frac{1}{4}$ lb, 75c; $\frac{1}{2}$ lb, \$1, postpaid.

Golden Queen. A beautiful tomato. The best of the yellow sorts. Pkt, 5c; oz, 20c; $\frac{1}{4}$ lb, 75c, postpaid.

Stone. This variety is very large and of a bright scarlet color; very smooth, ripening evenly to the stem without a crack, exceedingly robust. Pkt, 5c; oz, 20c; $\frac{1}{4}$ lb, 50c; lb, \$1.75, postpaid.

Acme. The Acme tomato was for many years our earliest large red tomato, and is still one of the very best. Pkt, 5c; oz, 20c; $\frac{1}{4}$ lb, 75c; lb, \$2.50, postpaid.

Early Minnesota. This fruit is large, smooth and solid. It not only produces very fine fruits, but it will hold out through the season until late in the fall. It is also a splendid keeper. Pkt, 5c; oz, 20c; $\frac{1}{4}$ lb, 75c; lb, \$2.50, postpaid.

Red Cherry. A small and pretty sort grown for preserving. Pkt, 5c; oz, 35c; postpaid.

Dwarf Champion. Dwarf and compact in growth, the plants grow stiff and upright with thick jointed stems and foliage. Pkt, 5c; oz, 15c; $\frac{1}{4}$ lb, 50c, postpaid.

Peach. Resembles a rich well-ripened peach in shape and appearance. Pkt, 5c; oz, 50c, postpaid.

Tomatoes continued next page.

TOMATOES—(Continued).



GROUND CHERRY

Strawberry or Ground Cherry. Also called "Husk Tomato" and "Winter Strawberry." Unequalled for preserving, canning or pies. Dried in sugar as raisins or figs they are unexcelled. They have a strawberry flavor and produce fruit in abundance. In sections devoid of fruit many esteem them highly. A great curiosity and sells well in the market. Pkt, 5c; oz, 50c, postpaid.

Pear Shaped. Used for preserving and pickling. Pkt, 5c; oz, 35c, postpaid.

Yellow Plum. A beautiful variety used principally for preserving. Pkt, 5c; oz, 35c; postpaid.

Mr. C. H. King, Alexandria, Minn.: "We have a large farm and we do some truck gardening among the tourists and we have some of your beans and they are the best we ever had. The tomatoes from your seed couldn't be better."

Will's Best Turnips and Rutabagas

*Steckrube**Navet**Rofna*

Remember that these prices are for seed prepaid by mail. If ordered by freight or express deduct 8c per pound.

Culture—Sow any time from early spring until July, either broadcast or in drills two and one-half feet apart, thinning out to about five or six inches apart in the row.

White Model. A very superior strain White Turnip of medium size, smooth, globe-shaped, quick growing, flesh fine grained and perfectly white, sweet and tender, cooks as quick as potato. Very early and keeps in splendid condition until the spring. Pkt, 5c; oz, 10c; ¼ lb, 25c; ½ lb, 40c; lb, 65c, postpaid.

Yellow Aberdeen. Of round form, yellow flesh, fine texture, nutritious and a good keeper. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 35c; lb, 60c, postpaid.

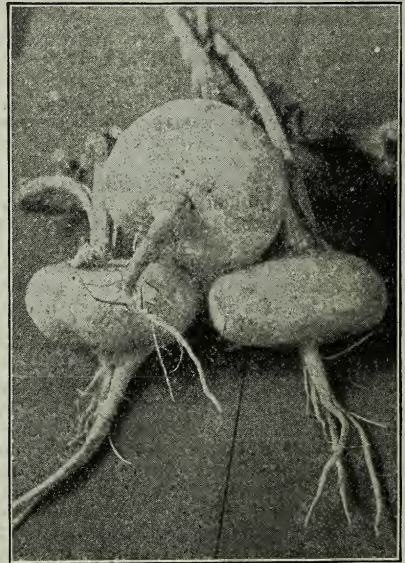
Extra Early Purple Top Munich. Must occupy the same place among turnips as the Eclipse variety does among the beet family. Pkt, 5c; oz, 10c; ¼ lb, 25c; ½ lb, 40c; lb, 70c, postpaid.

Sweet German. This celebrated turnip is white, sweet, a long keeper and generally solid until mid-summer. It should be sowed as early as the Swedes. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 30c; lb, 50c, postpaid.

White Egg. A very excellent variety, nearly oval or egg-shaped, flesh firm and fine grained, and of snowy whiteness. Particularly desirable for the table. Can be sown as late as the middle of August. Pkt, 5c; oz, 10c; ¼ lb, 25c; ½ lb, 40c; lb, 60c, postpaid.

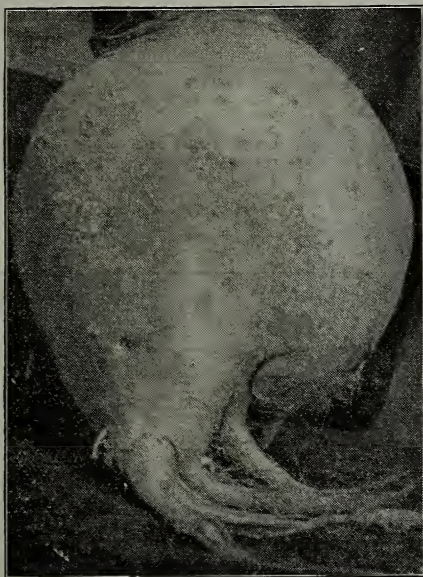
Purple Top Strap Leaf. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 30c; lb, 50c, postpaid.

Early Flat Dutch. An early garden variety resembling white strap leaf. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 30c; lb, 50c, postpaid.



WHITE MODEL TURNIPS

Turnip===Rutabaga



PAJBJERG-BANGHOLM RUTABAGA

Pajbjerg=Bangholm

Rutabaga

This we are introducing from Denmark after thorough trials on our own grounds which have proven to be the most superior variety; in fact, we find it of better quality than any other of the best sorts. The illustration is from a photograph of a medium sized root from our trials. It is somewhat inclined to the Purple Top strain and is exceedingly solid, crisp and the sweetest we have ever tasted, without excepting either our Improved Purpletop, which has few, if any, rivals. This also, like the mangels from Denmark, has government certificate of 'First Class Stock.'

We have only a limited supply of this remarkable root, but we offer while it lasts at the following prices: Pkt, 5c; oz, 15c; ¼ lb, 35c; ½ lb, 75c; lb, \$1.35, postpaid.

Will's Improved Purpletop Rutabaga

We offered this improved stock of Rutabaga a number of years ago, and even at that time it was admitted to be equal to, if not the best, strain of Purpletop Yellow Rutabaga in cultivation. We have continued to improve it each year by selecting the choicest and most perfect shaped roots for our seed stocks. We do not think there is anything in this vegetable on the market that can compare with it in any one respect. The best Rutabagas are produced by sowing the seed broadcast on new breaking, where they need no cultivation or care whatever, except harvesting late in the fall before freezing weather sets in. From seven to ten tons per acre grown in this way is a common thing. Seed of the Rutabaga should not be sown early in the season for winter use, as they are liable to become stunted by the early hot weather which has a tendency to make them tough, strong and woody. Pkt, 5c; oz, 10c; ¼ lb, 15c; ½ lb, 25c; lb, 45c, postpaid.

Carter's Imperial Hardy Purple Top Yellow. A most excellent sort either for table use or feeding stock. Flesh yellow, solid, firm, sweet and rich. It is a hardy sort, yielding heavily, with no tendency to long necks. Pkt, 5c; oz, 10c; ¼ lb, 15c; ½ lb, 25c; lb, 45c, postpaid.

Shamrock. One of the finest Purple Top varieties in cultivation. Grows with small top and very few leaves. Excellent keeper. Good for stock and table use. Pkt, 5c; oz, 10c; ¼ lb, 15c; ½ lb, 30c; lb, 50c, postpaid.

White Russian. Similar to the above except in color. Preferred by some. Pkt, 5c; oz, 10c; ¼ lb, 15c; ½ lb, 25c; lb, 45c, postpaid.

J. B. Ayle, Elizabeth Nebr.: "The seeds I got from you done fine. One Shamrock Rutabaga weighed 9½ pounds."

Mr. George F. Clark, Fargo, N. D.: "I procured seed of the Earlibell Tomato of you for several years and have raised them with the greatest satisfaction to myself and customers. I picked the first ripe tomato on July 4th this year and have had them in market, receiving the highest price, for over two months."

Tobacco

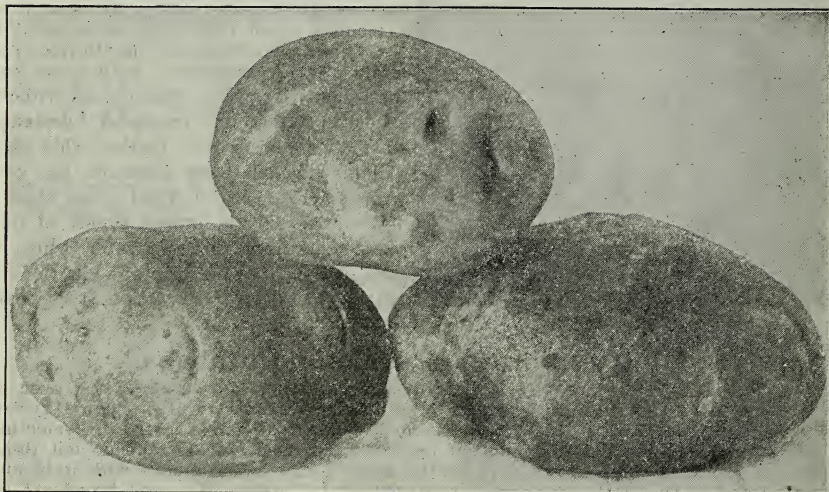
Sweet Orinoco. The earliest tobacco in cultivation, particularly adapted for growing in the northern states. The leaves have extremely small veins of the finest texture and very elastic. Pkt, 10c; oz, 25c, postpaid.

Havana. Pkt, 5c; oz, 25c, postpaid.

Herbs

Anise, Balm, Sweet Basil, Carraway, Coriander, Dill, Dandelion, Horehound, Hysop, Lavendar, Mustard, Rosemary, Fennel, Sweet Marjoram, Thyme, Saffron, Sage, Summer Savory, Catnip and Wormwood. Pkt, 5c.

Potatoes



WHITE SWAN POTATO, BEST MAIN CROP

Write for prices on large lots. These prices subject to market changes.

Extra Early Ohio. Some early kinds will give edible potatoes about as early, but their tops will be green for days after the Extra Early Ohio have ripened. This is our choicest stock, uniform in size and shape, and free from scab. Always keep firm until late in the spring. Lb, 20c, postpaid. Pk, 40c; ½ bu, 75c; bu, \$1.00, by express or freight.

White Swan. This remarkable variety is a seedling originated by Mr. John W. Millet, of Bismarck, N. D. It is what might be termed a second early or main crop potato. If planted very early in the season it will have edible tubers a little later than the Early Ohio. White Swan is pure snowy white, slightly oblong, large size and outyields the early varieties. The quality is of the best and it is an excellent keeper. Lb, 20c, postpaid. Pk, 40c; ½ bu, 75c; bu, \$1.00.

Potato Eyes

For the benefit of our many patrons who live long distances from the railroad we offer eyes of all the varieties in our catalog. These eyes will be put up securely in a neat box, so that they will travel safely after the extreme cold weather is past and in plenty of time for planting. Drying to a considerable extent does not injure the eyes, but will cause them to grow much quicker than the ones freshly cut. This the writer knows to be true from experience. Price per 100 eyes, 50c, postpaid.

A LITTLE TALK ABOUT PLANTING FLOWER SEEDS.

We find that nine times out of ten, at least, the failures with flower seeds are due to inexperience of the planters. Many flower seeds are delicate and require great care, especially if planted in pots or boxes in a common living room. Except where directions for planting and care is given with the directions, the following briefly explains the best method:

If it is desired to have the plants quite early the seeds may be sown in a shallow box or common flower pot in light clean loam which should be firmed with a trowel or piece of board, and the seeds scattered on the smooth surface and pressed with the same instrument into the soil carefully. After which they should be covered to a depth of not to exceed twice the diameter of the seed by sifting or sprinkling the surface with fine light soil and pressing firmly. Water sparingly and keep in a warm light place, but never allow the earth to become too wet or too dry.

Before watering the first time place a piece of cotton cloth over the surface and apply the water which will soak into the soil without washing the seeds out of place or uncovering them. When the plants are large enough to handle they should be transplanted to other boxes or open ground.

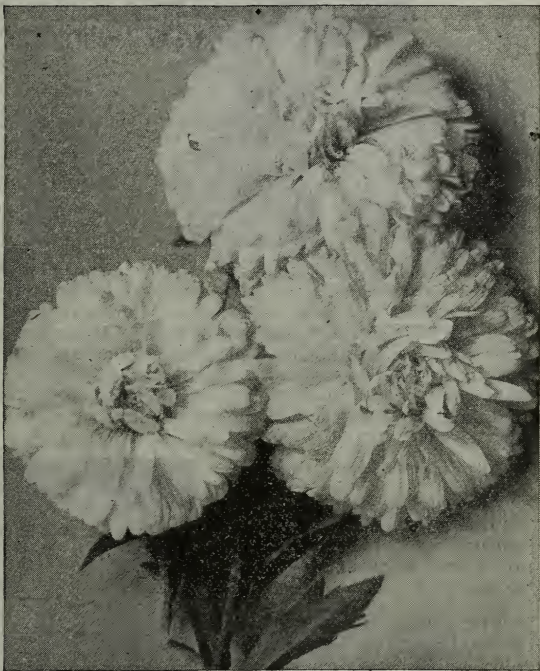
When sowing seed in the open ground the same care should be taken, but the seed should be sown in rows and covered a little deeper, the earth made a little firmer and the surface never be allowed to dry and crust over. Many seeds germinate in three or four days, but some require a week or ten days under most favorable conditions.

ASTERS

Branching. Late flowering. This exceptionally fine Aster is without a rival. The flowers are of extraordinary size and stand erect on long, graceful stems, well above the foliage—in fact, they are often mistaken for Chrysanthemums, which they very strongly resemble. The flower stems are often 15 to 20 inches long, making it grand for cutting. Plants extra large and of strong growth. One plant will cover a space two and a half feet square. By far the most satisfactory Aster grown. Pkt, 10c.

Daybreak. This beautiful aster is one of those rare gems that have come to stay. For florist's use it is simply unsurpassed. The flowers are round as a ball, very large and full, on long stems, the color is a lovely sea-shell pink. The plant flowers very early, and is a continuous free bloomer, a compact, strong grower, and in all respects is a desirable acquisition. Pkt, 10c.

Purity. This new Aster is the hand-maid of Vick's Daybreak, being identical in form and habit, but the blooms are pure white. A finer combination of color cannot well be imagined than the massing together of these two beauties. The plant is a free and early bloomer like its companion. Pkt, 10c.



PURITY ASTER



DAYBREAK ASTER



PAEONYFLOWERED ASTER

New Giant Snapdragon. The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. Spring seedlings bloom by midsummer, and if the flowers are cut freely the flowering is continuous till Fall. If intended for winter flowering in the house, cut them well back in September. The Snapdragon, like most perennials and biennials which bloom the first year, is treated like an annual and sown every year. Pkt, 10c.

All Flower Seeds Postpaid.

Allyssum. (Sweet). Hardy annual, flowering from early spring till killed by frost, and all winter in the house, if sown in the fall. Pkt, 5c.

Bachelor's Button. Double. It has been so perfected that fully 70 per cent. of the flowers are double and semi-double; are also increased in size and present many bright colors and distinct markings, which have hitherto been unknown in this old-fashioned favorite flower. Pkt, 5c.

Balloon Vine. Remarkable for its inflated membranous character and sometimes called Love-in-a-puff. The flower is insignificant, but the plant is a rapid and graceful climber. Pkt, 5c.

Calliopsis. Many of our most showy flowers are slighted because they are common and grow anywhere without trouble or care, almost like weeds. One of these is the Calliopsis. Were it a new thing just introduced it would be considered a novelty of rare excellence. Pkt, 5c.

Canary Bird Flower. A beautiful climber and a charming little canary-colored blossom bearing a fancied resemblance to a bird with the wing half extended. Pkt, 5c.

Giant Empress Candy Tuft. One of the finest varieties in cultivation. It is an intermediate in height, between the old Rocket and the newer Tom Thumb sorts. The plant is of very branching habit, and when fully grown is covered with its pure white flowers. Pkt, 5c.

Candy-Tuft. Mixed, pkt, 5c.

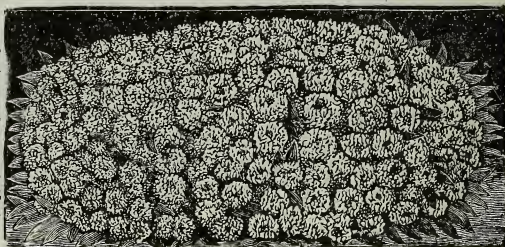
Chrysanthemum. The annual Chrysanthemums are altogether different from the large flowered perennial varieties grown by florists. They grow easily from seed and flower freely during summer and fall months. Pkt, 5c.

Truffert's Paeony-Flowered Perfection Aster. One of the most popular strains, plants growing stiffly erect, 18 inches to 2 feet in height, branching quite freely and producing fine large well-shaped flowers on good stems. The petals are slightly incurved, giving the flowers a ball-shaped effect. Pkt, 5c.

Dwarf Boquet Aster. Plants 8 to 12 inches high, producing large double flowers resembling Chrysanthemums and valuable on account of profuse late flowering. Pkt, 5c.

New Japanese Asters. The beautiful flowers of this new strain of Asters offer a most striking contrast with those of any other variety. They are of immense size, measuring from 6 to 8 inches across, with long petals curiously waved and curled, so as to give them a striking resemblance with the most disheveled Japanese Chrysanthemums. They grow 14 to 15 inches high, are well branched and produce a number of enormous flowers. All colors mixed. Pkt, 15c.

Antirrhinum. (Snapdragon.) Flowers double the size of the older sorts, more closely set on the stems and colors more clear and brilliant. Plants very compact and bushy, growing about 12 inches high. All colors mixed. Pkt, 5c.



SWEET ALYSSUM



CAMELIA-FLOWERED BALSAM



MORNING GLORY

Dwarf Margaret Carnation. These lovely fragrant carnations produce fine flowers, similar to those grown by the florists for winter blooming. Seeds may be sown thinly in narrow drills in the flower garden early in the spring when the trees are starting out in leaf, and the plants will start to bloom in about four months from sowing the seed. They are quite hardy, flowering the first season until late in the fall and will live out all winter. Fully eighty per cent. produce fine double flowers. All colors. Mixed. Pkt, 5c.

Cosmos, Giants of California. Especially notable for purity of color and gigantic size of flowers. Giant Pure White and Giant Pink, finest mixed. Pkt, 10c.

Cypress Vine. A most beautiful climber, with delicate dark green feathery foliage and an abundance of bright star-shaped rose, scarlet and white blossoms. Pkt, 5c.

Balsam Superb Camelia—Flowered. Finest mixed. This embraces seed of all the choicest known varieties. Pkt, 5c.

Rose—Flowered Mixed. This is not our "Superb" strain, but we believe it to be as good as the Camelia-Flowered Balsams generally sold. Pkt, 5c.

Canterbury Bells. Macrostyla. An annual campanula, with habits entirely different from the perennial sort. Flowers purple and rose. One to two feet. Pkt, 10c.

Summer Cypress. A highly ornamental annual of unusually rapid growth which forms regular pyramids from two to three feet in height, having a cypress like appearance. The leaves are slender and of a light pea-green until September, when they change to a carmine or bright red. Its bright autumn coloring has given it two other names—"Mexican Fire Plant" and "Burning Bush." The flowers are minute but countless. The seed germinates quickly. Sow indoors in April and plant out in May, or sow in open ground about May 1st. Plants do best in sunny exposure, and in salty soil, about two feet apart. One and a half ounces of nitrate of soda should be spread over each square yard of soil. Pkt, 10c.

Coboea Scandens. Although it does grandly outside, it is also a splendid house climber, and will do well running over windows in the house, and will reward the grower with the abundance of beautiful blossoms. In fact, it grows and flourishes everywhere. Pkt, 5c.

Catchfly. A bright-colored, free-flowering annual, largely grown for spring flower gardening. Suitable for rock or open border. Succeeds in any light, loamy soil. White, red and rose, mixed. Pkt, 5c.

Convolvulus. Morning Glory. Fine mixed. Embracing a great variety of colors. Pkt, 5c; oz, 10c.

Convolvulus. Japanese Morning Glory. The plant attains a growth of twenty-five feet by mid-summer. The leaves are large, heart-shaped, many of them a rich, dark color, marbled with silver white or yellow. The flowers are really gigantic. Double the size of the ordinary kind. Pkt, 5c.



DWARF MARGARET CARNATION

Crozy's Dwarf Cannas. The new Dwarf Everblooming, large, flowering French Cannas, bloom freely the first year from seed. They are much less expensive and more beautiful for bedding than even the best geraniums. The roots can be kept in the cellar over winter, and each clump will give five or six good roots for planting out the following spring. The mixed seed we offer has been saved from the finest varieties of all colors. Pkt, 10c.

Canna, Good Mixed. Pkt, 5c.



CROZY'S DWARF CANNAS

Burbank's Shasta Daisy. (See Cut.) Fluted, quilled, curled, fringed, lacinated, semidouble pure white and lemon-yellow, select varieties. The very cream of the whole Shasta Daisy collection. Shasta Daisies can be grown out of doors by everybody where it is not cold enough to kill oak trees. They are perennial, blooming better and more abundantly each season. They can be multiplied rapidly by simple division and grown in any soil. They bloom for several months. The flowers are very large and graceful—four inches in diameter, with three rows of petals of the purest whiteness, on single, strong, stiff, wiry stems, two feet long. Pkt, 10c.

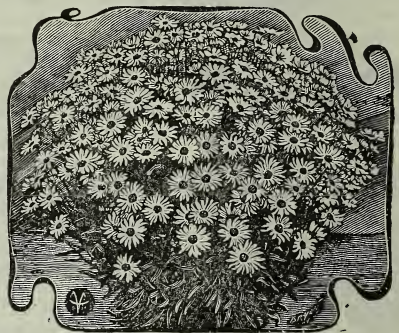
Calendula. (Pot Marigold.) Hardy annuals about a foot high. May be sown in the open ground early in the spring; strongly attractive in beds, borders and backgrounds. Pkt, 5c.

Dianthus, Chinese Pink. Finest mixed. One of the most useful and desirable plants, and for beauty and variety of colors and markings cannot be surpassed, ranging from pure white to the most delicate pink and glowing deep crimson. A bed of these in a flower garden will make a grand display at small cost. The mixture we offer includes, besides the standard sorts, all the new and brightest colors in spotted, striped and handsomely fringed varieties of late introduction, both single and double. Pkt, 5c.

Hardy annuals about a



DIANTHUS



SHASTA DAISY

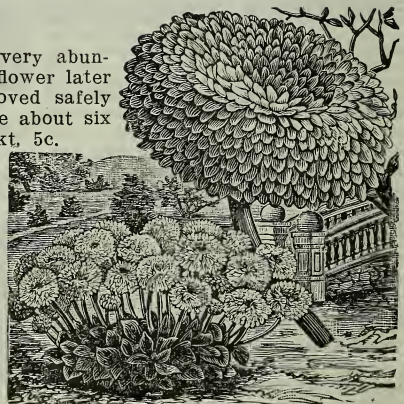
Double Daisy

Sow seed very early. The flowers are very abundant in early spring and may be made to flower later by the use of water. Plants can be removed safely even when in flower. The plants should be about six inches apart when set. Choice mixed. Pkt, 5c.

Dahlias, French Collarette

An entirely new type of Single Dahlias which has produced a great sensation during the past three years wherever exhibited, and which have been awarded highest honors. The peculiarity of the type consists of their having a row of short petals around the disc, which form a frill or collar and which are an entirely different color from the rest of flower. Pkt, 10c. Double Dahlias all colors mixed. Pkt, 10c.

Cactus Dahlias. All colors, pkt, 10c.



DOUBLE DAISY



BURBANK'S ESCHSCHOLTZIA

CALIFORNIA POPPY.

Crimson, White and Gold. Very showy, free flowering plants, a low growth, with finely divided foliage of a silver gray hue. Where a whole bed of these flowers is desired the seed may be sown thinly broadcast over the bed and lightly raked in. This is a most effective way of planting this gorgeous flower. Pkt, 10c.

GOURDS.

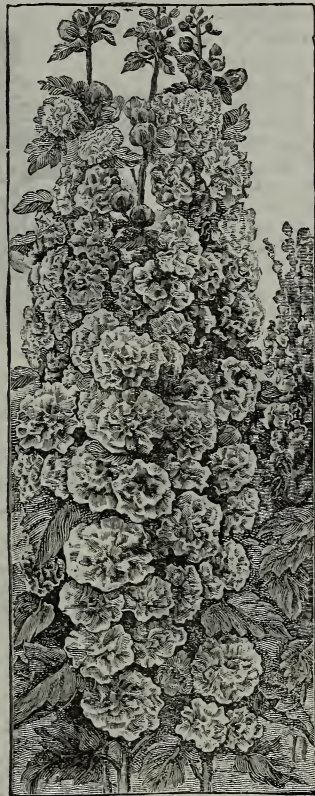
Ornamental. A valuable class of annual climbers. The growth is quick and foliage pretty. These ornamental gourds are of various shapes and colors, some large, some small. All are hard shelled and will keep for years without showing signs of decay. Pretty and sometimes useful household articles. All sorts mixed. Pkt, 5c.

FORGET-ME-NOT.

These succeed best in cool, moist soils, blooming most freely during the spring and fall months. Most varieties bloom freely the first season, and still more profusely the second spring. Pkt, 5c.

GERANIUMS.

These are raised easily from seed, and the gardener is occasionally rewarded by charming new varieties and colorings from our choice strains of hybridized seeds. The seeds should be started early in the spring, in hotbed or in shallow boxes of rich soil in a warm sunny window. Sow the seed thinly and cover only one-quarter inch in depth. As soon as they are large enough transplant the young seedlings to small pots until the weather is quite warm, when they may be planted out in the flower bed for summer blooming. They will come in to bloom more quickly if planted in light sandy soil. Single, mixed, Pkt, 10c.



PRIZE DOUBLE HOLLYHOCKS
HOLLYHOCK—Prize Double.

Perfect doubleness of the magnificent large flower will please the most critical. All the best colors from deep yellow, red rose, light buff, carmine scarlet, flesh color, creamy white tinted with rose, purple, yellow or dark ground, crimson lake with salmon, cherry red, cream or violet ground, lilac or brown ground, dark crimson to pure white, also black. If sown early in March or April the plant will bloom the first year. All colors mixed. Pkt, 5c.

HELIANTHUS
Sunflower.

The best and most effective of all annual sunflowers. Flowers immense, from twelve to fifteen inches in diameter, globular and extremely double. For a background to a lawn or to hide unsightly places it is especially adapted. Pkt, 5c.



HELIANTHUS

HELIOTROPE.

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally as well as bedding plants in summer or as pot plants in the house during winter. Seed sown in the spring makes fine plants for bedding cut, and are as easily grown as verbenas. Pkt, 5c.



HELIOTROPE

ICE PLANT.

A handsome and curious plant; for rockwork, hanging baskets and vases. Pkt, 5c.

MIGNONETTE.

Machet

It is a dwarf and vigorous growth, with massive spikes of deliciously scented flowers. Pkt, 5c.



MIGNONETTE (MACHET)

MARIGOLD, The Eldorado.

The flowers are from three to four inches in diameter, imbricated and perfectly double. They embrace four shades of color—the lightest, primrose, lemon, golden yellow and deep orange. Pkt, 5c.

Marygold, French Mixed. A class of showy and extremely effective plants, with fine double flowers of rich and beautiful colors. Pkt, 5c.



MARIGOLD ELDORADO

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Will's Superb Tall Mixed Nasturtiums

This strain makes a strong growth 5 to 6 feet high, and are covered from spring to fall with large substantial flowers of the most brilliant shades. They are remarkable for their wide range of colors, embracing rose, pink salmon, purple, velvety dark maroon, light yellow and deep orange in self colors as well as striped and blotched in the most fanciful manner. So ornamental is this new strain that it deserves a place in every garden, either for climbing or trailing from vases, or over the ground. Pkt, 5c; oz, 20c; ¼ lb, 60c; ½ lb, \$1; lb, \$1.75.

Dwarf Nasturtiums

A free flowering and very desirable for bedding, vases and pot plants. Plant seed one inch deep in rows one to two feet apart when the trees are starting out in leaf. When well started the young plants should be thinned out to stand 10 or 12 inches apart as the plant are liable to rot off in wet weather, particularly in rich soil, if planted too closely together. Pkt, 5c; oz, 25c, postpaid.



DWARF NASTURTIUMS

Petunia Hybrida Grandiflora. In this mixture will be found all the choicest and most beautiful striped, blotched and mottled single and semi-double flowers in cultivation. The colorings and markings are simply wonderful. Seed saved from strong, thrifty, free-flowering plants and showing the richest colors and most striking markings. Pkt, 5c.

The greatest care should be taken in planting petunia seeds, and temperature and moisture, cover not to exceed 1-16 of an inch deep and firm the soil well about the seed, after which keep warm and moist until the tiny plants appear. Avoid excessive moisture.

Giants of California Petunia

This is a mixture of the very best, large flowering & fringed, double Petunias. The colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Seed saved from strong plants carefully fertilized and will produce a wealth of finest flowers, Pkt, 15c; 2 pkts, 25c.



GIANT OF CALIFORNIA PETUNIAS



WILL'S ROYAL SHOW PANSIES

We have spared neither care or expense in our efforts to make Royal Show strain of pansies the very best in cultivation and we believe we have succeeded. This mixture is made up from the best and choicest varieties grown by specialists in all parts of the world. The diversity of markings and coloring is simply wonderful and we think we have never seen its equal. The colorings and markings come naturally in accordance with the strain, but the large sizes can only be attained by very rich soil either naturally or made so by fertilizer. Any fertilizer is beneficial, but best results will be obtained by mixing liberally with the soil some clear manure from the cow stable. Pansies are the most popular and fashionable of all flowers and everyone should grow a liberal supply, sowing the seed by March or before in a shallow box in the house, transplanting when large enough to handle to about one inch apart, and from there to the ground in May. Pkt, 15c; 2 pkts, 25c.

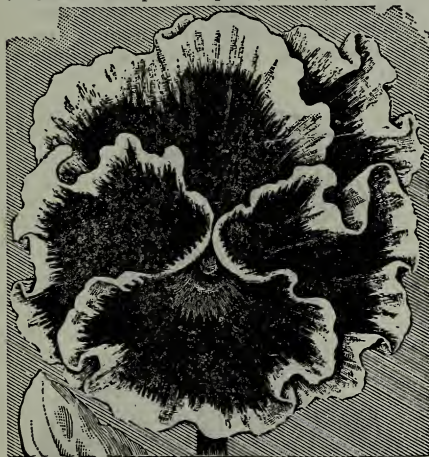
New Orchid-Flowered Pansies. A mixture of the most surprising, unique and beautiful color combinations, entirely new among pansies. The ground color of nearly all the flowers is in light shades. The petals are marked with large brown or golden yellow blotches which diffuse into rays or veins toward the edge. The upper petals are upright and sort of plaited, which gives the flowers their resemblance to orchids. The colors range in the terra cotta shadings as well as the flesh, orange, rose, pink and lilac. Pkt, 15c.

White. Flowers often three inches in diameter, pure white, with a large violet blotch on the three lower petals. Pkt, 10c.



WILL'S PREMIUM PANSIES.

While our Premium Pansy Mixture is not to be compared to the Royal Show, it is without much doubt the next best ever offered. It comprises the best of several pansy specialists choicest and most expensive mixtures. It is a mixture that will please everybody who likes pansies and can appreciate quality in color, shape, size and substance, in fact everything that makes a perfect pansy. Pkt, 5c.



MASTERPIECE PANSY

Masterpiece, New Giant Curled. This strain comes nearer to double pansies than anything ever introduced under that name. In reality the number of petals is the same as in other flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often three inches across, and the color variations odd and striking. Pkt, 20c; 3 pkts, 50c.

Psyche. Each flower elegantly curled and undulated, and in every respect a beauty in form and color. The characteristic five velvety blotches of eyes are surrounded by a broad white edge. Comes true from seed. Pkt, 20c.

Bridesmaid. The flowers of this new interesting variety are very large and of fine form. Its ground color is a rosy white, rivaling in delicacy the finest apple blossom, and most strikingly setting off the dark blotches of the center. It is the most free blooming of all the Giant Pansies. Pkt, 10c.

Phlox Drummondii Grandiflora

Superb mixed. A magnificent new class with flowers as large as those of the Perennial Phloxes. The colors we offer in our "Superb Mixture" are perfectly gorgeous in their brilliancy. For massing in groups or arranging in ribbon lines there are no flowers obtained with so little care and expense. The colors range in every conceivable shade. Pkt, 5c.



PHLOX DRUMMONDI GRANDIFLORA

Portulaca. Double rose flowered, mixed. Unsurpassed for brilliancy and beauty. From first class seed, over one-half of the plants will produce magnificent double flowers. They can be transplanted eight inches apart as soon as they bloom, thus making the entire bed of double flowers. Pkt, 5c.

Sakakawea Poppy Mixture. See first page of cover.

Shirley Poppy. It is perfectly hardy and flowers the first season from seed. Flowers are large, exceedingly elegant and graceful; colors pure, soft and varied, ranging from bluish white, rose, delicate pink and carmine, through innumerable tints to bright sparkling crimson. Pkt, 5c.



CARNATION POPPIES

Mixed Carnation Poppies. Finest mixed double and single. Best ever offered. The most brilliant and also most delicate tinted, making a most gorgeous display. Pkt, 5c.

Chinese Primrose Mixture. The culture of these lovely flowers is much easier than most people think. Everyone can have a nice collection of them by following the cultural directions printed on each package. Our mixture includes not only all the choicest colors of the single flowering Primulas in all their dainty shades, but it comprises also seed saved from hybridized flowers and will produce a number of double flowers and the new blue Primula. Pkt, 10c.

Stock. Ten Weeks. New largest flowering globe pyramidal stock. A magnificent race with immense spikes of perfectly double flowers, with individual blossoms, frequently measuring two inches in diameter. Pkt, 5c.



Verbena Hybrida. Extra fine, mixed from a superb collection of named varieties. As now perfected this is one of the best strains of Verbena Hybrida in cultivation today. The seed has been saved not only from a large collection of bright and pleasing self-colors, but also from the finest auricula-eyed types. Pkt, 5c.



SALPIGLOSSIS

Salpiglossis. Grandiflora. Velvet flower. The flowers are large in size and most vividly spotted and striped on ground colors of deep blue, rose violet, light yellow, reddish bronze, etc. Pkt, 5c.

The Choicest of all Sweet Peas



IRISH BELL

Pearl-Gray Spencer. It is truly a descriptive name. It is certainly a most lovely and distinct shade that might be described as a pearl or dove gray, suffused with light rose, showing a trifle more of the delicate rose shading in the standard. The flowers borne in clusters of three and four are of the largest size and uniformly of the true Spencer type, being well waved in both standard and wings. See cut herewith engraved from a photograph. Per pkt, 10c.

"Duplex Spencer" produces uniformly large, waved flowers of true spencer type. In color both the standard and wings are a rich cream-pink, and practically all the plants give flowers with double or triple standards. On the sprays of four blooms each (of which there is a great number) the two lower flowers are double, while sometimes three of the flowers are double. The three-bloom sprays give the one or two lower flowers with twin or triple standards. Even the flowers which have only a single standard are magnificent, being all uniformly waved and crimped both in standard and wings. The beautiful lemon keel, in addition to the double standard, materially enhances the effectiveness of these flowers when bunched. Of strong, vigorous growth, the vines bear the grand flowers most profusely upon long stiff stems. In order that it may be tried thoroughly we have decided, as long as our supply lasts, to offer the seed at the following moderate price: Per pkt, 10c.

For lack of space we are unable to make as great a display as some, yet there can be no choicer or more beautiful than the following:

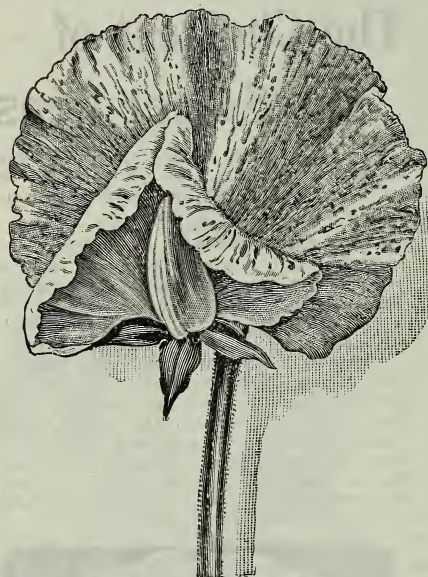
Irish Belle, or "Dream." Spencer. A superbly beautiful variety that shows quite a new shade in Sweet Peas. The coloring is uniform in both standard and wings. A lovely rich lilac, flushed with pink, which gives a very distinct and soft tone throughout the entire flower. Of finest Spencer type, waved in both standard and wings, the flowers are of large size and well placed on long stems. Throughout the season, even during the extreme heat and drought of July the flowers came invariably three and four to the stem. It was certified by the National Sweet Pea Society of America June 29th, 1911. Per packet, 10c.



PEARL GRAY SPENCER

A. M. Fligg, Hoover S. D. I have received my order and is it in good shape, better than any I have received before.

R. W. Fenno, Taylor, N. D. Your seeds are always right. May you live long to handle them.



RAINBOW SPENCER

Rainbow Spencer. In this striking novelty we have a great advance in the striped section. The flowers are of giant proportions, generally produced three and four on a stem. They are nicely placed, with wings coming well up in front of the standard; in fact, the flower proportions are perfect. The ground color is ivory white, flaked and lightly streaked with rose. Per packet, 10c.

Florence Nightingale. Spencer. As claimed last year this has proved to be the largest and best Lavender Spencer yet introduced. This standard is unusually large and bold, pronouncedly waved, yet standing erect and broad—frequently measuring two inches across. The color is most charmingly soft clear rich lavender, which is enlivened by very faint sheen of rose-pink. Per pkt, 10c.

Mrs. Sankey. Spencer. Best pure white. Per pkt, 10c.

Burpee's Primrose. Spencer. The very best, creamy yellow shade. Per pkt, 10c.

King Edward VII. Spencer. A true giant flowered variety with strong stems and growth, with no inclination to burn in the sun. A fine variety, much brighter than either Mars or Salopian; in fact, the best dark red in existence. Pkt, 10c.

Countess Spencer Hybrids. The new orchid-flowering sweet pea. The type and form of these are a complete departure from anything yet introduced. Both the wings and standards are very large, and its graceful form, together with the immense size, in existence. There are five or six distinct flowered variety with strong stems and growth, with no inclination to burn in the sun. A fine variety, much brighter than either Mars or Salopian; in fact, the best dark red in existence. Pkt, 10c.

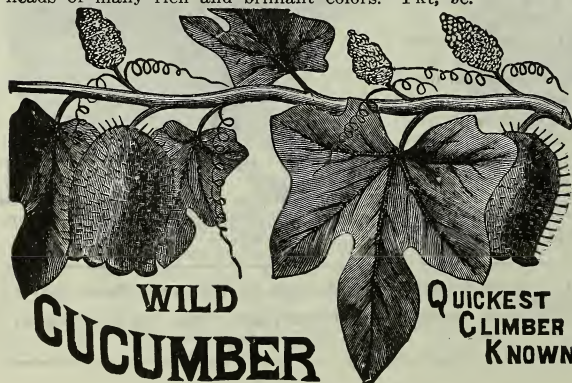
makes it by far the most attractive variety in shades contained in this mixture, but all are of the large flowering type of the same form. The different shades it contains are as follows: Deep pink, light pink, ovoid shade, orange pink, white with light pink edging. We certainly think highly of the various shades which this mixture contains. Pkt, 10c; ½ oz, 30c; oz, 60c; 2 ozs, \$1, postpaid.

Imperial Mixed. If you want the finest mixed Sweet Peas ever grown you should give the Imperial Mixed a trial and be convinced of their wonderful beauty. The flowers are of the largest size, and in colors surpass any other mixture of Sweet Peas ever sent out, being rich and gorgeous, ranging from bright scarlet carmine, maroon, rosy pink, purple, indigo blue, pure white, black striped, laced and shaded. Pkt, 5c; oz, 10c; ¼ lb, 25c; ½ lb, 40c; lb, 75c, postpaid.

Vermillion Brilliant. Spencer. Produces vines that are strong, short-jointed and very floriferous, bearing on stout stems, twelve to fifteen inches in length, three and four artistically placed flowers. When well grown the plants are noteworthy in that, unlike all other scarlet Spencers, the stems frequently produce fours. Per pkt, 10c.

Ethel Roosevelt. Spencer. This is a true waved variety of the largest and most perfect Spencer type. The ground color is a soft, pleasing primrose, or straw color, overlaid with dainty flakes and splashes of blush-crimson. Per pkt, 10c.

Sweet William. (Dianthus Barbatus.) A great favorite. Flowers are produced in large heads of many rich and brilliant colors. Pkt, 5c.

WILD
CUCUMBERQUICKEST
CLIMBER
KNOWN

Zinnia. New Fire Crimson. One of the most brilliant flowers in cultivation and a great favorite, the magnificent double flowers of the new strain rivaling the Dahlia in beauty, size and color. Pkt, 10c.

Wild Cucumber. A climber with green leaves and pretty white flowers and bud-like fruits, beset with deciduous, barbed prickles. One of the best climbers for verandas, trellises, etc., never suffer from the heat or being destroyed by insects like so many good climbing plants, but stays fresh till late in the fall. Pkt, 5c; oz, 15c.

PEONIES.

Festiva Maxima. One of the largest and choicest of all white Peonies. Milk white with a few carmine spots in the center; flowers of enormous size, often measuring 7 to 8 inches across; very double and delightfully sweet, the stems are long and strong. An early bloomer, each 75c; doz, \$7.50.

Grandiflora Rubra. Extra large perfect balls of blood-red magnificent flowers. Probably the largest Peony in existence. A massive late blooming, superb variety. Each, 50c; doz, \$5.

TWELVE NOVELTY GLADIOLI.

Baron J. Hulot. Dark velvety purple flower of the Lemoine type, tall and slender, flowers thickly set on spike. Best blue we have seen. Each 15c, 3 for 40c, doz \$1.50.

Brahma. Large well-opened flower of a fine carmine red slightly glazed with ashy-gray, a large pure white blotch on the two lower petals. Each 30c, 3 for 80c, doz, \$3.00.

Chicago Red. Rich blood red, yellow streak in center three lower petals. Each 25c, 3 for 65c, doz \$2.50.

Elizabeth Kurz. A pure white variety with a faint touch of red deep down in throat. Strong grower, straight stem. Each 50c, 3 for \$1.35, doz, \$5.00.

Mephisto. Large spike, early flowering. The center of the flower is a coppery scarlet, fading out towards the tips of the petals into dark carmine. The whole flower is tiger-spotted with fine dots of reddish brown; 5 to 6 blooms are open at a time. Each 35c, 3 for 95c, doz \$3.50.

Radium. A white variety veined with very soft pink, lower petals shaded with yellow at the base. A strong grower. Each 20c, 3 for 55c, doz \$2.00.

Scribe. A grand Childsii; beautiful large well opened flower, tinted white, carmine stripes. Each 15c, 3 for 40c, doz \$1.35.

Silvretta. Creamy white with carmine blotches on lower petals, spike strong and tall. Blooms later than most sorts. Each 10c, 3 for 25c, doz \$1.00, 100 for \$7.00.

Sulphur King. It produces a very long spike of the clearest sulphur yellow flowers yet seen in any Gladiolus. Each 20c, 3 for 55c, doz \$2.00.

Proserpine. Large well expanded cherry-red flowers, big white blotches on lower petals, anthers lavender. Each 30c, 3 for 80c, doz \$3.00.

Klondyke. Light yellow, with crimson maroon blotch. A very desirable variety for cut flowers. Each 15c, doz \$1.50.

Wild Rose. A splendid type of the strong growing Childsii; color bright delicate rose. A splendid cut bloom; good forcer, flowering early under glass. Each 25c, 3 for 65c, doz \$2.50.

**SPECIAL OFFER BG—One each of the above
TWELVE NOVELTY VARIETIES
Prepaid \$2.40.**

DAHLIAS.

Each 15c, 5 for 60c, postpaid. Each 10c, 6 for 60c, by express or freight.

Berwyn. Wide flat petals, rich velvet crimson, very large, without markings.

Katherine Duer. Flowers are of immense size. Color, the most beautiful glowing scarlet without markings.

Clyde. Extra large sulphur yellow; broad petals and a constant bloomer.

Grand Duke Alexus. The color of the flower is pure white, shading to a most delicate and charming shell pink and beautifully quilled; large massive flowers.

Henry Patrick. A pure waxy white.

Mrs. Winters. This is an exceptionally large pure white sort; flower measuring five to seven inches in diameter and a splendid decorative variety. Strong grower.

Nymphaea. A clear, distinct, light shrimp pink, tinted lighter toward the center. Grown extensively for cut flowers.

Perle. Pure glistening white, of very large and exquisite form, with petals very prettily notched. Fine for cutting.

Wm. Agnew. Flowers are large, measuring more than seven inches in diameter. Color is the richest shade of intense dazzling red.



Vegetable Plants

It is our intention to have a supply of all vegetable plants ready in time each season, of both early and late sorts, but will not agree to furnish plants of all the varieties of which we have seeds, as that would require too much work, care and expense. All we can agree to do in this matter is to furnish early or late plants, or both, of the very best sorts which we have at the time the order is received. As a rule vegetable plants are ready to send out about May 20th, but we cannot guarantee date of shipment, as we are able to ship some seasons at an earlier date, and sometimes not until some days later.

Tomato and pepper plants are all strong transplanted plants with fibrous roots; can be planted out without killing or retarding their growth.

Cauliflower. Per 100, 75c, postpaid; by express, per 100, 80c; 1,000, \$4.50.

Early Cabbage. Per 100, 75c, postpaid; by express, per 100, 50c; 1,000, \$4.

Late Cabbage. Per 100, 50c, postpaid; by express, per 100, 25c; 1,000, \$2.

Tomato. Per doz, 35c, postpaid; by express, per doz, 25c; 100, \$1.

Pepper. Per doz, 35c, postpaid; by express, per doz, 25c; 100, \$1.50.

Fertilizers, Insecticides, Etc.

Bone Meal. 10 lbs, 75c; 50 lbs, \$2; 100 lbs, \$3.50.

Pulverized Sheep Manure. 10 lbs, 50c; 25 lbs, 75c; 50 lbs, \$1.25; 100 lbs, \$2.25.

Bowker's Plant Food. An odorless soluble fertilizer for pot plants. 6 oz package, 15c; 12 ozs, 25c. If by mail add one cent per ounce.

Lawn Renewer. A strong fertilizer for old lawns; one pound is equal to 20 pounds of the best stable manure and leaves no disagreeable odor. It should be sown broadcast at the rate of 25 lbs to 1,000 square feet. 10 lbs, 75c; 50 lbs, \$2; 100 lbs, \$3.50.

Sulphate of Iron, lb, 10c; 10 lbs, 60c.

Pruning Paint. This paint is prepared ready for the brush, to be used on trees, shrubbery, etc., to stop bleeding of the sap after pruning, and will prevent worm boring. Per pint can, 35c; by mail, add 16c.

Hammond's Slug Shot. A light composite fine powder, easily distributed either by duster, bellows, or in water by spraying. Thoroughly reliable in killing currant worms, potato bugs, etc., and is also strongly impregnated with fungicides. 1 lb carton, 15c; 5 lbs, 50c; 10 lbs, 85c; by mail add 16c per lb.

Fish Oil Soap. This is a caustic potash soap made from pure fish oil, and is free from animal fats or other adulteration. Makes an excellent wash for trees or plants where insects and eggs effect the bark, including the San Jose Scale. Also used for smearing the trees to prevent worms crawling up. Per lb, 15c; 2 lbs, 25c. By mail add 16c per pound.

Ant Exterminator. A non-poisonous powder which, if scattered about their haunts, will kill or drive away ants from lawns, etc. Per box, 25c; by mail, 35c.

Tobacco Dust. One of the best remedies for green and black aphids, fleas, beetles, etc. By mail, 35c per lb; by express or freight, per lb, 15c; 5 lbs, 50c; 10 lbs, 80c.

Pure Paris Green. Much harm and heavy loss has resulted in the past from the use of inferior grades of Paris Green. In several states, by legislative enactment, Paris Green is only permitted to be sold for agricultural purposes, in original packages. This restriction was made necessary because of the fact that there has existed a strong temptation to adulterate Paris Green with some harmless ingredient that costs less than Paris Green and is not easily detected until it fails to do the work that Paris Green ought to do. Price, ¼ lb box, 10c; ½ lb box, 18c; 1 lb box, 34c; 10 lb lots, 32c. By mail add 16c per lb. Write for special prices on large lots.

Formaldehyde. We carry in stock Formaldehyde put up by reliable druggists. You can't afford to take any chances in this matter; when your seed is in the ground it is too late to correct the mistake if you buy weak, adulterated Formaldehyde. Can you afford to use it? The price of a bushel of wheat expended for Formaldehyde will add several bushels to the next harvest. It takes as much land and labor to raise a light crop as a heavy one. Think it over. Sold only in original sealed bottles. ½ lb, 25c; 1 lb, 40c; 5 lbs, \$1.75; gal, \$2.75; 5 gals, \$11.50. Directions for use with every package. Cannot be mailed.

Arsenate of Lead. The most effective of all insecticides for spraying purposes. Especially adapted for use on tender plants and foliage. This can be successfully used to suppress leaf-eating insects by spraying with mixture of six pounds of Arsenate of Lead paste and one hundred gallons of water. Price, lb, 20c; 28 lb. pails, at 16c.

Heblore. Powdered White. For the destruction of slugs, worms, caterpillars, etc. Less poisonous than Paris Green and safer to use when fruits or vegetables are nearly ripe. Can be used as a powder or dissolved, one ounce in 3 gallons of water. Price, lb, 20c; 5 lbs, 90c; 10 lbs, \$1.75; 25 lbs or more at 16c a pound.

Sulpho Tobacco Soap. A wonderful insect pest exterminator. Unsurpassed for quickly exterminating all insect life on plants and flowers in and out of doors. Excellent for rose bushes, shrubs, etc. This popular insecticide never fails to give satisfaction and is cheap, effective, clean, harmless and non-injurious to the tenderest growth. For domestic purposes it rids the house of cockroaches and is a superior wash for dogs and all other animals. A trial will give highly gratifying results. Three ounce cakes sufficient for 1½ gallons prepared solution, 10c; mailed, postpaid, 13c; eight ounce cake sufficient for four gallons prepared solution, 20c; mailed postpaid, 28c.

Mrs. Chas. Fee, Voss, N. D.: "The garden seed we purchased of you last spring came up fine and we were very much pleased with our garden."

The "Brandt" Sprayers



Uses—Sprays Paris Green, Bordeaux Mixture, Sulphate of Iron for killing weeds, white arsenic, tobacco infusion, stock dip, and all other liquid applications, also for whitewashing and disinfecting poultry houses, barns, cellars, etc.

The Tanks are made of heavy brass or galvanized steel and will not rust or corrode. Are tested with four times more pressure than used for spraying, and will not burst. Filler plug and connections are made of brass. The shoulder strap and body rest makes it easy and convenient to carry. Capacity, three gallons.

The Pump has a brass reservoir. In the plunger is a check-valve for the air to pass through on return stroke, making it easy to operate and doubling its capacity.

The Nozzles are made on a new principle and work with a combination of liquid and air which produces more force with 7 lbs of pressure than others do with 100 lbs, giving a fine mist like spray which is sent out with such force that clogging is impossible.

The Brass Double Nozzle sprays two rows at one time, thus doing twice the work. The width between the rows is regulated by raising and lowering the pump.

The Tree Nozzle works on the same principle as above nozzles, but has a three foot brass extension for higher spraying.

The No. 4 Bordeaux Nozzle is for all heavy solutions, like Bordeaux Mixture, whitewash, etc. It has larger opening and is used on the large sprayers.

The No. 2 Cap is for the same purpose and is used on the double nozzle, tree nozzles and Easy Sprayer.

A One-Quart Funnel with brass wire strainer accompanies above sprayer for use in filling.

The "Brandt Easy Sprayer" is made with either brass or galvanized tank and is designed for those wanting a small sprayer. It works on the same principle as above sprayer and has shut-off nozzle. Capacity, one gallon.

DANDELION OUTFIT.

For killing Dandelions and noxious weeds we recommend the No. 3 "Brandt" Sprayer, also "Brandt Easy" brass sprayer.

The "Brandt Daisy" is a labor saver. It works both ways—sprays the same on the return stroke as on forward stroke, thus doing twice the work. Sprays straight up as well as down, a valuable feature in spraying poultry houses, etc. It speaks for itself and needs no further description. Made with galvanized or brass tank and holds one quart.

The "Misty" Sprayer is used applying all kinds of insecticides on plants, etc. Unsurpassed for applying all kinds of stock dips and fly killer on cattle and horses, also for disinfecting poultry houses, barns, etc. Made of good tin and holds one quart.

The "Rapid" Sprayer is the same as the above described "Misty," but has galvanized tank and double tube. Capacity, one quart.

No. 2 "Brandt" Sprayer, Galvanized tank and shut-off nozzle.....	\$5.00
No. 3 "Brandt" Sprayer, galvanized, with shut-off nozzle.....	\$6.75
"Brandt Easy" Sprayer, galvanized, with shut-off nozzle.....	\$2.25
"Brandt Daisy" Sprayer, Galvanized tank.....	\$.75
"Misty," tin	\$.50
Double Nozzles, brass	\$1.50
No. 4 Bordeaux Nozzle	\$.75
"Rapid" galv'ed t'k, double tubes.....	\$.65
Tree Nozzles, brass	\$1.50
No. 2 Cap	\$.35

WRITE FOR CIRCULARS GIVING COMPLETE FORMULAS AND INFORMATION

The "Simplex" Sprayer has been endorsed and is recommended by the leading agricultural experiment stations in the United States. It is guaranteed to give entire satisfaction. The purchase price will be refunded or a new sprayer replaced within ten days after receipt of machine if failing to give satisfaction. This is a much broader guarantee than that made by other manufacturers in this line.

Uses. For spraying Arsenate of Lead, Paris Green, Bordeaux Mixture, Sulphate of Iron, Kerosene Emulsion, Stock Dips, Disinfectants, Whitewash, Cold Water Paints, etc., on plants, bushes, trees, nursery stock, cattle and in barns, poultry houses, factories, warehouses, etc.

Styles. The "Simplex" sprayer is made in two styles, brass and galvanized iron. We recommend the "Simplex" sprayer No. 1 (brass) because it will withstand all spraying mixtures.

Uniform Spray. As a result from the pressure being maintained high and even in the tank, a misty and forceful spray is steadily delivered by the nozzle. In other sprayers when the pressure becomes low the liquid discharged is in the form of a sprinkle. This is very faulty, as large drops strike the leaves and roll off; small drops run together and form large drops, but a misty spray as produced by the "Simplex" stays on the leaves and does the work.

Convenient. The tank is equipped with a heavy web strap for carrying. This is arranged with special hooks so that it can be carried in the position most suitable for the different kinds of work—vertical, spraying down, and horizontal, spraying up.

Automatic Agitator. With every stroke of the pump the air gives the liquid a rotary motion around the bottom of the tank. The ingredients are automatically kept thoroughly mixed at all times from this rotary action. This automatic agitator is patented and can only be found in the "Simplex" sprayer.

No. 1 "Simplex" sprayer (brass).....	\$7.50	Elbow, each	\$.50
No. 2 "Simplex" sprayer (galv.).....	\$5.75	Extension Rod, each	\$.50
No. 2 Cap, each	\$.50	Double Nozzles, each	\$1.50

POULTRY SUPPLIES.

Baby Chick Food. Suitable for young chicks up to three weeks old. Per lb, 4c.

Chick Food. This should be fed following Baby Chick Food until chicks are strong enough to take the regular poultry food. Per lb, 3c.

Mixed Poultry Food. This is suitable for all kinds of fowls. A whole grain ration and can be fed in any quantity desired with the best results. Per lb, 5c; 25 lbs, 60c; 50 lbs, 11; 100 lbs, \$1.50.

Cracked Corn. 50 lb sack, 90c; 100 lb sack, \$1.75.

Crushed Shells. Per lb, 5c; 10 lbs, 30c; 25 lbs, 50c; 100 lbs, \$1.

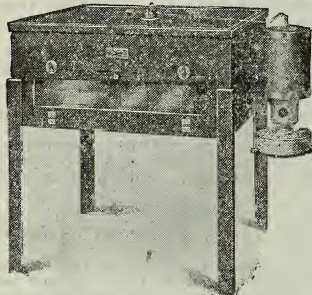
Mica Crystal Grit. Hens, having no teeth, should be kept constantly supplied with some sharp material to grind and masticate their food. Mica Crystal Grit is not only sharp and hard, but its properties are such that it acts as a tonic and contributes largely to the health and productive power of the fowl. Price, 100 lb sack, \$1.50.

Charcoal. To keep fowls in a healthy state a regulator of some kind must be fed. Nothing takes the place of charcoal in this respect, as it purifies the blood, aids digestion and tones up the whole system. No matter whether your fowls are young or old, give them an occasional feed of charcoal. 10 lbs, 50c; 100 lb sack, \$3.50. State size desired.

Excelsior Drinking Fountain. Qt, 20c; 2 qt, 35c; gal, 50c; 2 gal, 75c.

Thermometers. With wire hangers, 70c. Without hanger, 60c, postpaid.

Champion Leg Bands. 15c per doz, postpaid.



ESSEX MODEL MIDDLE PRICED INCUBATOR

ESSEX-MODEL MIDDLE-PRICE INCUBATORS, MISSION FINISH. LATEST STYLE MADE.

This new 1912 style, Mission Finish, Middle-Price Incubator is without a doubt the greatest value in incubators that is offered this year, with the exception of the World Famous Standard Essex-Model Incubators.

These middle-price machines are built especially for those earnest poultry keepers who want a reliable hatcher but prefer not to invest the amount required by the purchase of the higher-priced, more highly finished Standard Machine. They are low in price, high in quality. Most attractive in appearance. They have double insulated packed walls and top, and are equipped with heater, thermostat and lamp support similar to those on the Standard Machines. Compare the prices with those asked for any other make of high-grade machines holding as many eggs, and you will find they cost less by half and they do better work.

Prices of the Middle-Price Essex-Model Incubators.

70-egg size, \$9.50; 120-egg, \$12.50; 200-egg, \$18.50.

ESSEX-MODEL NEW HOMESTEAD BROODER.

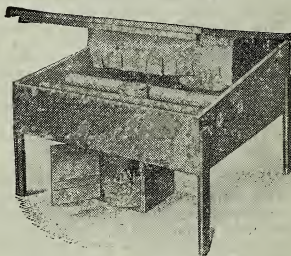
This brooder will be found most satisfactory to poultry keepers by reason of the superior combination of light, heat, ventilation and floor space. The superiority of this brooder over all others may be readily seen. The absence of oil fumes is secured by air-tight heating parts, and cover can be readily raised for cleaning purposes. It is substantially made of good heavy material, well painted, and is big value for the price asked. This is one of the most economical and practical brooders made and is superior to many for which twice the price is asked.

New Homestead Brooder, capacity 75 chicks.....\$ 6.00

Combination Indoor and Outdoor Brooder, 100 chicks 11.50

Colony Outdoor Brooder, 125 chicks..... 14.00

Colony Outdoor Brooder, 150 chicks..... 17.00



NEW HOMESTEAD BROODER

THE WORLD FAMOUS STANDARD ESSEX-MODEL INCUBATORS

Our "Standard" Incubators are known throughout the world as the "Incubators of Quality." In addition to being the only incubators built of Hardwood (made of High Grade Chestnut) they possess double walls and tops, thoroughly insulated and packed; doors of double glass; metal heater with heavy asbestos jacket; new 1911 lamp support with deflector and shield; and are equipped with Essex Corrugated Thermomstat (patented), the most sensitive and quickest-acting heat regulator made.

They combine in the highest degree **STRENGTH, DURABILITY, FINISH AND HATCHABILITY.**

100 Eggs, price	\$17.00
175 Eggs, price	23.00
275 Eggs, price	32.00
410 Eggs, price	37.00

Ask for prices on any articles desired not listed above.



RUBBER GARDEN HOSE.

Red Shah. (Red.) Seven ply rubber hose is one of the very best on the market. The price at which we are selling is lower than any hose of equal grade that can be bought. Sold in 50 foot lengths with coupling ready for use. 50 ft. lengths, \$7.50.

Mohawk. (Black.) The best 4-ply black rubber hose on the market. With reasonable care will outwear any other medium priced hose usually sold at from 3c to 5c per foot higher. Price per 50 ft. length, with coupling, \$6.

Minnesota. (Black.) Four ply, nearly as strong as the above, but lighter in weight; 50 ft. length with coupling, \$5. Hose mender, 3/4 in, 5c; doz, 35c. Hose washers, doz, 10c.

lighter in weight, will wear many years if handled carefully; 50 ft. length with coupling, \$5. **Brass couplings,** 3/4 in, 10c; doz, \$1. **Fountain Sprinkler.** Made of heavy brass. Easily moved over the lawn without turning off the water. The mist-like spray is a veritable "thing of beauty." Each, 75c.

Rubber Plant Sprinkler. This is the finest sprinkler made. It is durable, quickly and conveniently filled, throws a strong, fine spray which thoroughly washes the foliage of the plants, removing dust and insects. Indispensable for floral work, window gardening and sprinkling clothes. Price, medium, 85c; small, 65c, postpaid.

THE BACON DRILLS AND CULTIVATORS

ARE GUARANTEED TO GIVE SATISFACTION IN ACTUAL USE.

The peculiar construction of the Bacon feed allows much larger seed passage than those of the standard drills, which with the property of restricting the amount sown, without reducing the size of the seed passage, insures an even regular flow of seed and is most noticeable in sowing the light, irregular or slow moving seeds, such as sugar beet, salsify, parsnip, prickly spinach, wrinkled peas, carrot, onion, etc.

The peculiar agitator gives a force feed without injuring the seed and will empty the hopper without drizzling along, allowing the sowing of a small quantity of seed.

Placing the drive wheel behind throws the heft of the drill and arms on a large wide tread wheel giving steady movement to the feed and making the drill exceedingly light running and in the combined drill and cultivator allows the quick and entire separation of the drill part from the cultivator for working the crop.

No. 12, Combined Hill and Drill Seeder, Single or Double Wheel Cultivator, Hoe and Plow. Price, \$9.00.

For general purposes we recommend this drill.

Has angle steel frame with Hill Dropper, Agitator and Cultivator Frame of Malleable Iron, giving lightness with strength.

Hill Dropper will deposit seed pact hills 9, 12, 18 or 36 inches apart. Has Shoe Opener.

The Cultivator attachments are 5 teeth, 2 hoes and right plow.

The Cultivator is our regular No. 4. During the early growth of the plant can be used with 2 wheels working straddle the row, and later with 1 wheel working between the rows.

Fine narrow teeth which allow very close work, saving a great amount of hard weeding, stir all the ground covered, leaving it exceedingly light in deep cultivation.

level so that a rake is not needed and run exceedingly light in deep cultivation. Two hoes of special pattern which do not draw the earth from the plant roots, exposing them to the sun and wind and leaving the ground level. One right plow and one left hand plow used for furrowing, hilling, etc. Price \$9, boxed.

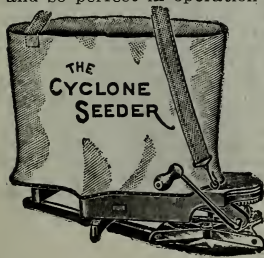
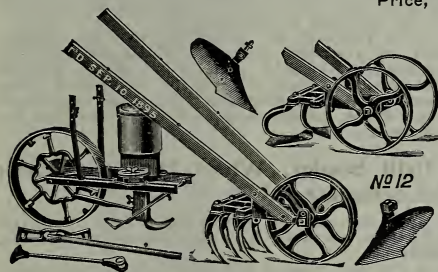
No. 3, Single Wheel Cultivator, Hoe and Plow, One Plow for Furrowing, Hilling, Etc. Price \$4.00, Boxed.

The Cyclone Seed Sower is the greatest labor and seed saving invention of the age. Its working principles are a marvel of simplicity. The machine is so simple in construction and so perfect in operation that even a boy can operate it.

It will sow clover, timothy, wheat, oats, rye, buckwheat, Hungarian, red top, turnip, millet, alfalfa, corn, cotton and all other farm seed perfectly even and in any desired amount to the acre, and from thirty to sixty acres per day, full instructions and directions on every machine.

Price each, \$1.25. The Little Wonder.

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 life time. Fully guaranteed to give satisfaction. Each, \$1.



No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow, \$13.50



Holds $2\frac{1}{2}$ quarts. Weight, complete, 59 lbs.

It combines in a most practical way the Planet Jr. No. 4 Drill and No. 1st Double-Wheel Hoe. Equipment:

- One pair of 6-inch hoes.
- Two pairs of cultivator teeth.
- Two plows.
- Two leaf guards.

Will sow in drills any thickness or drop in hills 4, 6, 8, 12 or 24 inches apart, and has the same feed, hill-dropping mechanism and automatic device for stopping the feed, and has also the new seed index. It is thor-

oughly substantial and is accurate in planting all kinds of garden seeds in either hills or drills.

The seed hopper is ample, holding $2\frac{1}{2}$ quarts. Feeding may be stopped instantly by raising the handles and also by pushing down the index bar.

THE SIMPLICITY of this tool, both as a seeder and as a wheel hoe, makes the combination thoroughly practical.

The wheel arch is removed when the tool is used as a seeder.

To use as a single-wheel hoe, place the wheels close together on the inside of the wheel arms.

THE HOES are of a special form, which enables the operator to run very close to the row without endangering either leaves or root, yet doing clean work and leaving the ground almost perfectly level. They are the most useful of all the attachments. Use them for 8-inch, 10-inch and 12-inch rows, and add one or more cultivator teeth for wider rows.

THE CULTIVATOR TEETH, the latest style with narrow neck, do thorough work, yet leave the ground practically level. Use for all deep and thorough work; though also adapted to shallow cultivation and marking out, and for working 6-inch rows.

THE PLOWS are arranged to be used points together for furrowing out for manure, fertilizers, potatoes, seeds, etc., and reversed for covering and for making up rows for setting out plants. Later in the season they are used also for cultivation. First, straddle the row and plow shallow furrows away from the crop, then change the plows and throw the earth back again. This gives thorough and excellent cultivation, hilling the crop much or little as desired, and covering all weeds and grass. Afterwards, the space between the rows may be finished by using the cultivator teeth.

No. 6 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow. Price complete \$13.00

Sows in drills with the greatest regularity in a narrow row to the exact depth required. Covers, rolls down and makes the next row all at one passage. The seed being in a straight, narrow line, it is easy to work with the wheel hoe.

It drops 4, 6, 8, 12 and 24 inches apart and is changed from a hill dropper to a drill seeder in a few seconds.

The tool frame is substituted for the drill attachment by removing but one bolt, when it becomes an excellent single wheel hoe. The combination is the best and most useful that has ever been offered and we guarantee it to give satisfaction.

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



For easy gardening and at the same time clean and perfect gardening, the kind that makes your garden the talk of the neighborhood, and causes your face to glow with honest pride, nothing is quite the equal of this No. 17 Wheel Hoe. It is suited to all kinds of garden cultivation and garden crops. You can do more and better hoeing with it in one day than you can do in three days with a hand hoe. The No. 17 has a pair of six-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work. Other attachments can be added at most any time. Price \$5. No. 12, double wheel, price \$6.50.

Send for catalogue of full line of Planet Jr. goods.

Each, 25c, postpaid; doz, \$2.25, by express.

Ask for prices on any Planet Jr. tools not listed above.

Corn or Stalks?

If you want Corn you must plant Will's Acclimated Varieties.

A Little Talk About Corn

In the past thirty-one years we have made extensive trials of every variety of so-called "earliest corn," but our list of "sure-things" is comparatively small. Our first effort was the improvement of the original native or squaw corn, which is now our "Dakota," white flint; the first seed was secured from the Indians at the Stevenson Reservation, was planted on the 24th of June and harvested some time in September; it grew about two feet or a little more in height and produced ears about four inches in length, which were of many colors, and instead of growing on the stalk, came directly out of the ground at the base of the stalk. Our next introduction was "Gehu," which has proved to be the earliest field corn on earth. These were followed in later years by "Northwestern Dent," "Dakota Sunshine Dent," "Square Deal Dent," "Pioneer Dent" and "Sioux Chief Dent," which have all proved to be most valuable for the Northwest.

We will mail a large sample to any address on receipt of five cents, for which 15c may be deducted from the price of one peck or more ordered later. Compare the corn you order with sample and if not as good in every respect, it may be returned to us within ten days after receiving the same and we will pay all transportation charges both ways and refund full amount you have paid. In this way the buyer takes no chances, as we practically assume all responsibility for any damage received in transit, or in other words, we guarantee the corn will reach you safely.

Will's Dakota Corn

(See Cut.)

A pure pearly white flint corn, the result of many years' careful selections from the original Squaw or 'Ree Corn, which has been grown in the Missouri Valley by the Mandan and 'Ree Indians for many generations, and also in late years by the Sioux tribes, and up to the time of our first selections, in 1882, was a very insignificant grain of many colors. This corn will stand more hardship in the way of frost, heat and poor cultivation than any other variety. Pkt, 5c; qt, 35c, postpaid. Qt, 20c; pk, 80c; ½ bu, \$1.50; bu, \$2.75. Ask for price on larger lots.

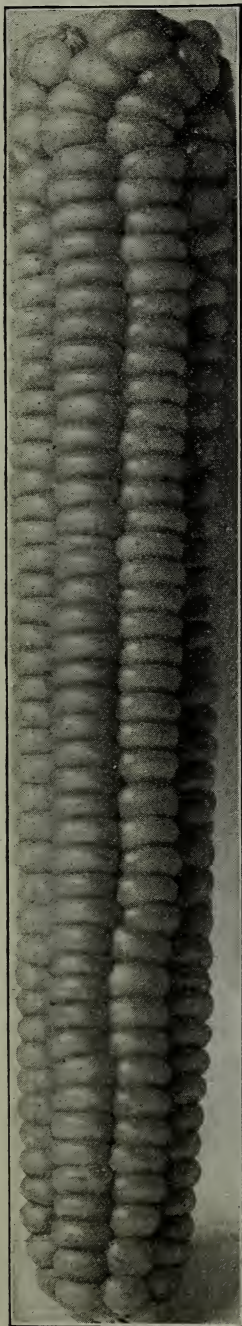
Giant Fodder Corn

It is for fodder purposes only, as it will not mature the grain in the Northwest, but produces many tons per acre. Giant fodder corn may be planted after other grains are sown and have plenty of time to make an abundant crop. Sow in drills three feet apart at the rate of one bushel per acre to obtain best result. Qt, 35c, postpaid. Qt, 20c; pk, 50c; bu, \$1.50, by express or freight.

Sweet Fodder Corn

This is "off type" varieties of sweet corn not suitable for garden planting which makes the most desirable fodder, particularly in its green state, for milch cows. Per pk, 85c; ½ bu, \$1.50; bu, \$2.75.

Mr. Fred Ackerman, Williston, N. D.: "The Will's Dakota Corn is my o'd standby in corn and sure can't be beat here in this part of the country."



Corn or Stalks?

If you want Corn, you must plant Will's Acclimated Varieties.

Will's Gehu Corn Matures in 70 Days

The Corn Which Makes Corn Under Any and All Conditions.

WE CLAIM GEHU to be the earliest field corn on earth, and superior to all other varieties in cultivation for localities where the season will not admit of growing the large varieties.

Will mature in a fair corn season in from 60 to 70 days.

Will mature a good crop anywhere where two months of summer weather can be assured.

Gehu is a hybrid from the Dakota and Mercer Flint varieties. It cannot be mistaken for any other sort as the distinction is marked in that being a cross between a deep yellow and a pure white corn, the color is a rich light golden yellow. The yields vary from 35 to 75 bushels per acre in different localities. The height of stock also varies in different soils, growing from five to seven feet, with ears well up from the ground. Pkt, 5c; qt, 35c, postpaid. By express or freight, qt, 20c; pk, 85c; ½ bu, \$1.60; bu, \$3.00.

F. L. Schindler, Garland, Mont.: "I got a bag of Gehu corn from you last spring and I wish I could show you some of my seed corn. There never was any better seed raised in the state of Montana."

Rose J. Aplin, Carson, Wash.: "I had a quart of Gehu corn from you last year which did very well here."

Mr. Oscar Luehmann, Westonka, S. D.: "The seeds we got of you last year all did fine, especially the Gehu corn."

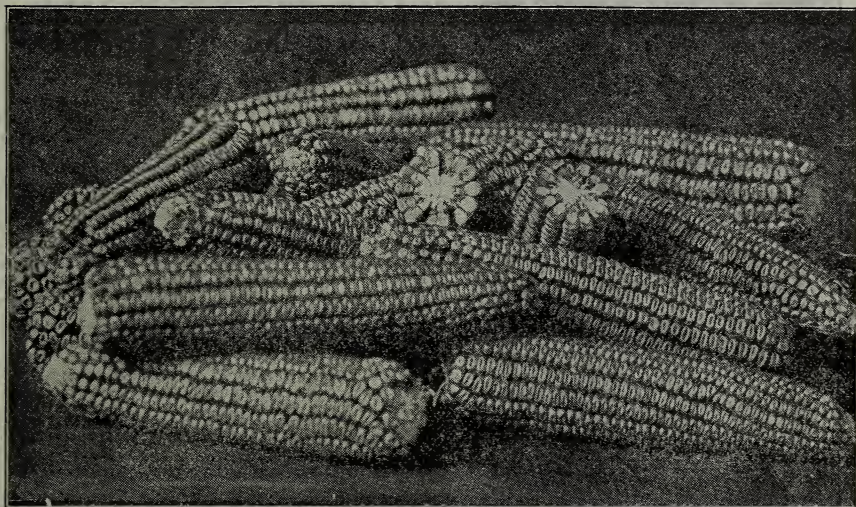


WILL'S GEHU CORN

L. H. Harrum, McClusky, N. D.: "Your order of seeds received in good shape and am satisfied with your mixed corn."

Corn or Stalks?

If you want Corn, you must plant Will's Acclimated Varieties.



Will's Square Deal Dent Corn

EARLIEST YELLOW DENT CORN ON EARTH.

Some years ago the writer secured a small package of Yellow Dent corn from a seed house in Ohio, which was claimed to be the very earliest variety of field corn in cultivation. It proved to be the earliest of its kind we had ever tried except Northwestern Dent. We have been selecting the best and earliest type each year since until we have what we claim and believe to be the earliest yellow dent corn on earth.

"Square Deal" is a pure yellow dent with a red cob. The ears grow six to eight inches in length and contain from 12 to 16 rows, the 12 row ears predominating. Stalk grows about seven feet, with the ears about two and one-half to three feet from the ground. It is the deepest kernel of any of the acclimated varieties, and although the ears are smaller than the Northwestern Dent it shells the same.

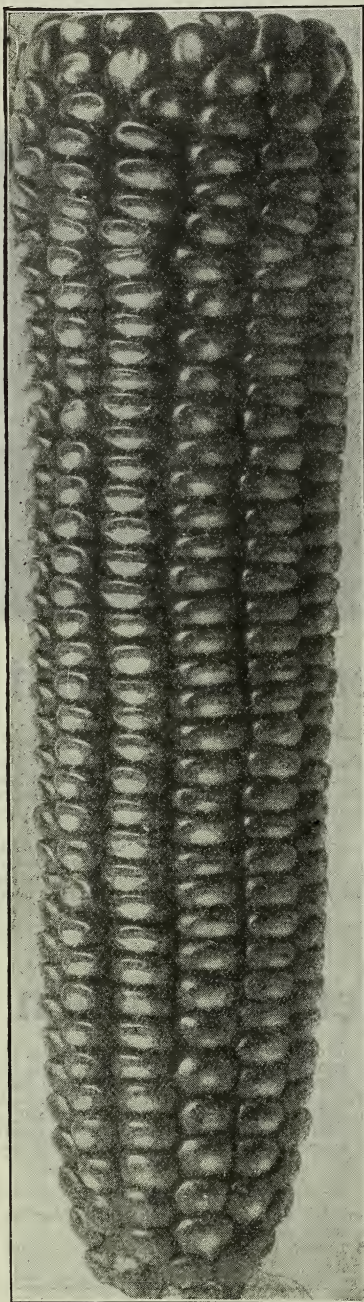
The demand will exceed the supply as usual and we advise early orders. Pkt, 5c; qt, 35c; postpaid. By express or freight, qt, 20c; pk, 85c; ½ bu, \$1.50; bu, \$2.75.

Will's Sioux Chief Dent Corn

Sioux Chief Dent Corn is the result of cross breeding the Northwestern Dent with the Square Deal Dent. We are offering this corn in a small way for the first time. It is not only a novelty, but a variety of real merit. It is a rich copper color, varying from light to quite dark, earlier than either of the parents, grows high up on the stalk which admits of being harvested with a binder, has the characteristic small cob and deep kernel of Square Deal and is very prolific both in corn and fodder. Per packet, 10c; pint 50c; quart, 75c, postpaid. One-half peck, \$2.00; peck, \$3.50, by express or freight. No more than one peck will be sold to one person.

W. J. Winchester, Winchester, Wyo.: "My corn did fine, the Northwestern Dent in the lead, Pioneer was good, and Gehu was small but a sure cropper."

Otto E. Garrett, Ashton, Ida.: "Your corn seed I used last year was fine, so I would like to try it again."



Corn or Stalks?

If you want Corn you must plant Will's Acclimated Varieties.

Will's Northwestern Dent Corn

The Earliest Dent Corn on Earth (See Cut).

When the writer first began the selection of Northwestern Dent Corn 13 years ago he received little encouragement from people interested in corn on account of its color, which is not as attractive in appearance as the white and yellow varieties, and when we first offered it for sale in the spring of 1895 many people objected to it on account of being red. It has, however, grown in favor to such an extent that we never have enough seed to go around, although we increase our acreage each year. We have received more unsolicited testimonials in praise of Northwestern Dent than for any other grain we have introduced since first established in business. All the most extensive as well as the small corn growers in the Northwest are unanimous in their praise, and have said more nice things about it than we could publish in a book many times this size. To be sure of the genuine article send your order direct to us. Pkt, 5c; qt, 35c, postpaid. Qt, 20c; pk, \$1.00; ½ bu, \$1.75; bu, \$3.00, by express or freight. Write for prices on larger lots.

Burleigh County Mixed Corn

This corn is a mixture and is a splendid corn in every respect. It is a fact that a mixture of two varieties of corn will produce a larger growth of both stalk and ears than either variety planted by itself. This fact is demonstrated in our Burleigh County Mixture. Qt, 30c, postpaid. Qt, 15c; pk, \$1.00; ½ bu, \$1.75; bu, \$2.50, by express or freight.

Will's Acme Fodder Corn

Acme Fodder Corn is a mixture of dent varieties which is usually composed of "off type" of our dent varieties with mixtures of sorts of which we may have a surplus.

It is an undeniable fact that there can be obtained better feeding qualities from this corn in the far Northwest than from any other known sort. The reason is evident from the fact that it goes into the glazing period in from 70 to 80 days, at which period corn possesses the greatest amount of nutriment and should then be harvested. Qt, 30c, postpaid. Qt, 25c; pk, 75c; ½ bu, \$1.40; bu, \$2.50, by express or freight.

A. T. Juell, Walum, N. D.: "The seed corn I got from you this spring is just fine. It is the best for miles around."

CORN OR STALKS?

If you want corn you must plant Will's acclimated varieties.

Pioneer White Dent Corn

For many years we have been working to get pure white dent corn sufficiently early to mature in this latitude and our efforts have been rewarded with this variety, which we call **Pioneer Dent**, which is as early as the Northwestern Dent and Square Deal Dent, and earlier than any other sorts of dent corn known. Owing to the ravages of cut worms again the past season we have only a limited supply to offer.

Qt, 40c, postpaid. By express or freight, qt, 25c; pk, \$1; ½ bu, \$1.50; bu, \$2.75.

Minnesota No. 13 Corn

The ears are of handsome appearance, bearing 16 to 20 rows of bright, rich yellow, smooth, wedge-shaped kernels packed closely on the cob from butt to tip. The ears average eight inches in length and are borne usually two on a stock; matures in ninety days when planted in favorable soil and in a good location, but ninety-five to one hundred days places it out of danger under average conditions. The stalks grow to a height of seven feet, and being leafy, make excellent and very nutritious fodder.

This corn has been recommended as the best for this state, but as a matter of history it has not always made good in short seasons, when all of our early varieties matured perfectly; therefore, we advise planting only a part of your acreage with it. Qt, 35c, postpaid. By express or freight, qt, 25c; pk, 75c; ½ bu, \$1.50; bu, \$2.75.



PIONEER WHITE DENT CORN

“Dakota Sunshine” Dent Corn

“Dakota Sunshine” Dent Corn is the second earliest yellow dent corn. We have been growing and improving this strain for more than ten years and have been offering it to our customers for seven years. The first year we did so without a name and offered a prize of \$25 for the most appropriate name. The prize was awarded to Hon. H. U. Thomas, at one time commissioner of agriculture and labor of North Dakota. There is just a few days' difference between Sunshine Dent and Northwestern Dent, the advantage over the latter being the height of stalk and distance of ear from the ground. While in far north locations this variety is not as sure a crop as the smaller sorts, we would recommend it for any section where three months of fair corn weather is reasonably sure. Pkt, 5c; qt, 30c, postpaid. Qt, 20c; pk, 75c; ½ bu, \$1.45; bu, \$2.50, bags included, by express or freight.

A Little Talk on Seed Grains

At this day and age the thrifty up-to-date farmer is no more content to sow seed which is just common grain than he is to raise scrub stock.

If a man wishes to improve his cattle he does not go to the stock yards, but goes to a specialist or breeder whose business it is to select, breed and improve his herd. For a like reason he should not go to a dealer in ordinary grains for his seeds, but to the breeder and improver of grains for seed purposes. There are a few men at each experiment station in the Northwest and a few people outside who are devoting their entire time to this work and have succeeded in perfecting and introducing a number of varieties of grain which are adding millions of dollars to the crop values of the United States, in the larger yields, better quality and being better adapted to the soils and conditions, than were the old varieties.

But this is not all. After a variety of grain has been originated and proven of value it remains to be increased and distributed to the farmers. As the quantity to be had at first is small it often happens that a variety is distributed in small quantities among the farmers to increase it. By so doing it frequently happens that it becomes mixed in unavoidable ways or by careless sowing, harvesting, threshing or storing, so that by the time there is sufficient quantity for distribution by seed men a variety so mixed with other grain and foul seed that it is valueless. To avoid this we have made arrangements to get our supply of seed grains from specialists.



SUCCESS BEARDLESS BARLEY

to produce a distinct six rowed variety with stronger straw and heads as long but thicker and better filled out than Manshury. Lb, 25c, postpaid. $\frac{1}{4}$ bu, 45c; $\frac{1}{2}$ bu, 75c; bu, \$1.25, by express or freight. Ask for prices on larger lots.

Prices of seed grain, grass and clover seed subject to change without notice.

Success Beardless Barley

This barley will mature within sixty days from date of sowing under ordinary conditions. A barley without beards, all will admit, is the most desirable thing in that grain, but the greatest advantage lies in the extreme earliness which makes it very desirable, if not indispensable, for early feeding when old grain is scarce and no other feed is available. Sow $1\frac{1}{2}$ bushels per acre. Lb, 25c, postpaid. By express or freight, pk, 40c; $\frac{1}{2}$ bu, 75c; bu, \$1.25.

Manshury Barley

Since the importation of this variety of barley it has stood at, or very near, the head of the list of all the six rowed varieties. Per lb, postpaid, 25c. By express or freight, per bu, \$1.25.

Oderbrucker Barley. Is a stiff-strawed, heavy yielding, six-rowed, bearded variety. It is about the same as Manshury in season, manner of growth and general appearance, but has a plumper kernel and is heavier. In stiffness of straw and rust resistance it is superior to all other varieties. Lb, 25c, postpaid. Peck, 40c; bu, \$1.25, express or freight. Ask for prices on large lots.

Reed's Triumph Barley

originated by crossing the Highland Chief and Six Rowed Manshury Barley

North Dakota Agricultural College Flax No. 155

WILT RESISTING.

North Dakota No. 155 Flax was first placed in the regular field trials of the North Dakota Agricultural Experiment Station in 1899. It has been bred in a smaller way for a long time, and record of its height, appearance and other useful features recorded in addition to selecting the best of it for seed. Although possibly not absolutely wilt proof, it is wilt resisting.

Our own comparative trials show No. 155 to be a stronger growth of straw and heads than the best strains of common flax, the average height being 30 inches. Although we have no means of computing the exact yield we estimate it at the rate of considerable over twenty bushels per acre. Pound, postpaid, 25c. Peck, 75c; ½ bu, \$1.40; bu, \$2.75. Sow ½ bushel per acre. Price subject to market changes.



WILT RESISTANT FLAX

Primost Flax--Minnesota No. 25

This variety was originated by Prof. Hays, who is now Assistant Secretary of Agriculture of the United States. The grains are smaller than those of common flax, but is a larger yielder and strongly wilt resisting. Those who read the farm papers will have noticed that many farmers report large yields of this variety, and in many cases where the common seed and Primost were sown side by side the common varieties were entirely destroyed by flax wilt, while Primost seed made an excellent and profitable crop.

On land that has been repeatedly sown to flax, Primost is the only variety which will make a safe crop and outyields common flax generally from two to five bushels per acre.

In a test conducted by our growers, on land which had been planted to flax three times in four years, Primost yielded eight bushels per acre, while the best common flax was entirely destroyed by flax wilt. This proves its value conclusively, and we believe that no farmer growing flax on old land can afford to sow the common sorts.

Our stock is exceptionally pure and free from fowl seeds.

We wish to call attention to the fact that the extra cost per acre for Primost seed will add to the crop many times the cost. We have a fair supply of this seed and will be pleased to submit samples. Per lb, postpaid, 25c. Peck, \$1; ½ bu, \$1.50; bu, \$2.50. Sow ½ bu per acre. Price subject to market changes.

PRICES QUOTED ON FARM SEEDS by the pkt, oz., ¼ lb and lb include the payment of postage. **LARGER QUANTITIES WE DO NOT DELIVER FREE**, but send **BY EXPRESS OR FREIGHT AT PURCHASER'S EXPENSE**, making no charge for packing, cartage, bags or delivery to any railroad station or express office in this city.

MARKET CHANGES. Owing to the unsteady condition of the markets, prices are constantly changing. The prices given here are those ruling at the time when this catalogue is written. Should our prices on any item seem high, we would consider it a favor if our customers in making up their order for Farm Seeds in large quantities would write us, and we would be pleased to quote prices.

N. D. R. NO. 73 FLAX

This variety Prof. Bolley informed the writer is not only practically wilt proof, but is at the same time rust proof. We have been reliably informed that this flax made a good crop on land that had been planted to flax seventeen years in succession and had become so infected that it would produce no common sort. Surely No. 73 is most valuable and every bushel grown the past season should be sown in 1913. The supply is of course limited, but pure and clean, and we offer until sold as follows: Per lb, postpaid, 25c; pk, \$1.00; ½ bu, \$1.50; bu, \$3.00. Sow one-half bushel per acre.

NOTE: As the catalog is made up early in the fall, we cannot guarantee these prices for the following spring; therefore, it must be understood that the prices are subject to change without notice.

If any other varieties of flax is desired, please ask for samples and prices, as we will be in position to quote.

White Russian Oats

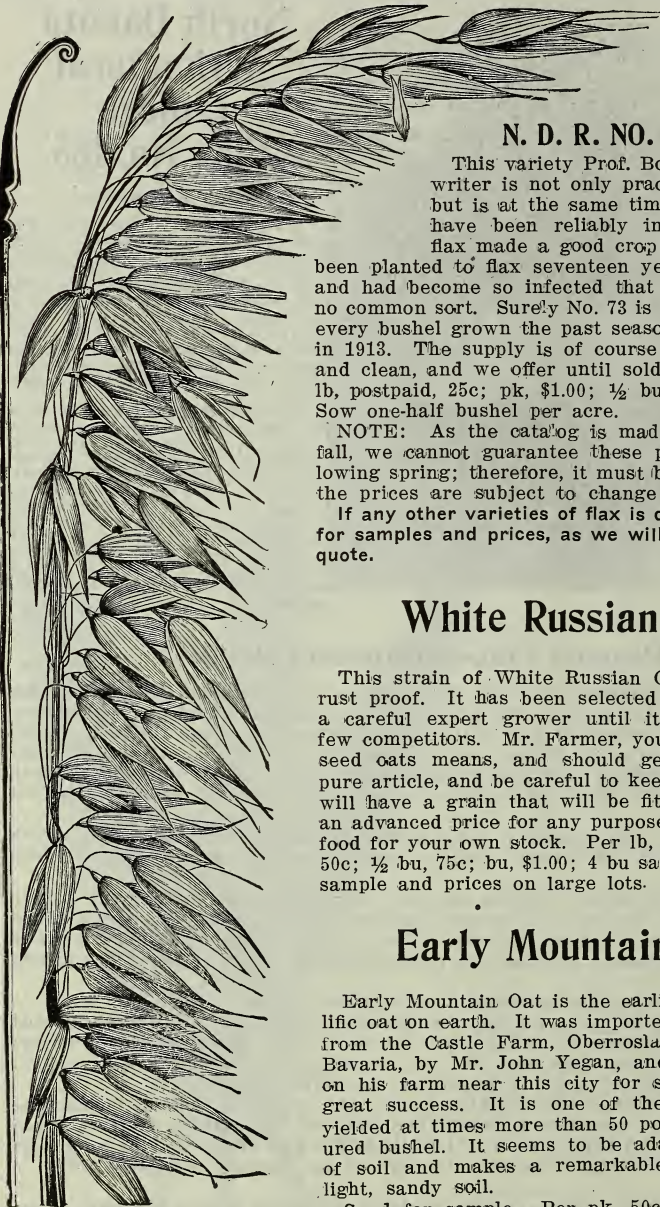
This strain of White Russian Oats is practically rust proof. It has been selected and improved by a careful expert grower until it stands with but few competitors. Mr. Farmer, you know what good seed oats means, and should get a start with a pure article, and be careful to keep it pure, and you will have a grain that will be fit for marketing at an advanced price for any purpose, and a pure, rich food for your own stock. Per lb, 25c, postpaid. Pk, 50c; ½ bu, 75c; bu, \$1.00; 4 bu sacks, \$3. Write for sample and prices on large lots.

Early Mountain Oats

Early Mountain Oat is the earliest and most prolific oat on earth. It was imported a few years ago from the Castle Farm, Oberrosclau, at Unterrosclau, Bavaria, by Mr. John Yegan, and has been grown on his farm near this city for several years with great success. It is one of the heaviest, having yielded at times more than 50 pounds to the measured bushel. It seems to be adapted to any kind of soil and makes a remarkable growth on very light, sandy soil.

Send for sample. Per pk, 50c; ½ bu, 75c; bu, \$1.25; 4-bu sacks, \$4 each. Sow 2½ to 3 bu per acre.

Write for sample and prices.



WHITE RUSSIAN OATS

Great Dane Oats

(See Cut)

Great Dane is a new variety in the North-west imported a few years ago by a New York house. It is a heavy, long, thin hulled oat which cannot be easily mistaken for any other sort. Has long branching heads and long stout straw which stands up well without lodging. This is one of the very best feeding oats in cultivation owing to the extremely thin hull. Seed is thoroughly acclimated, stock having been grown by leading farmers in Richland county, this state, with yields as high as 101 and 150 bushels per acre. Our stock was purchased from reliable parties who vouch for purity. We regret that the grain is slightly discolored by the excessive wet weather, but the germination is high. Sample packet, 10c; lb, 35c, postpaid. Peck, \$1.00; ½ bushel, \$1.50; bushel, \$2.50, by express or freight.



GREAT DANE OATS

Regenerated Swedish Select Oats

The stock we offer is pure and clean, entirely free from any weed seed and free from any other grain. You can just as well increase your oat yield 25 to 100 per cent. by using this seed. The three kernel feature, a very common thing with Regenerated Swedish Select, is one reason for the big yields. Lb, 25c, postpaid. Per pk, 50c; ½ bu, 75c; bu, \$1.00; 4-bu sacks, each \$3, by express or freight. Write for prices on larger lots.

Big Four Oats

Big Four is a strong growing sort, with plump kernels and a very thin hull. It has, we think, the largest grain of any variety in cultivation. The yields for this oat as claimed is something enormous, ranging from 80 to 250 bushels per acre. We know that some immense

crops have been grown of it, but we are too modest to make anything as high as the maximum claimed above. Send for sample. Per pk, 50c; ½ bu, 75c; bu, \$1.00; 4 bu sacks, \$3 each. Sow 2½ to 3 bu per acre.

Speltz or Emmer

Is readily eaten by all kinds of stock and has shown itself to be especially adapted when fed to milch cows. As a swine feed it is better than any other grain except corn. Horses do well on it. Its most striking value is found in the fact of its drouth resisting qualities. Sow 1½ bu per acre. Price per bu (40 lbs) \$1.00; 10 bu, \$8.00. Ask for prices on large lots.

Marquis Spring Wheat

Marquis Wheat won the \$1,000 prize given by Sir Thomas Shaughnessy for the BEST WHEAT IN AMERICA, at the great New York Land Exposition; also captured the cup at Saskatchewan Provincial Fair, 1911; scoring 100 per cent. in the Government baking contest. It is the earliest of all by ten days, equal to the best and second to none. The Canadian Government Station at Brandon reports a yield of 46 bushels per acre; the lowest yield in North Dakota and Minnesota 35 bushels per acre.

Professor Saunders discovered Marquis by acclimating Hard Red Calcutta Wheat and crossing it with Red Fife, thus combining the extreme earliness of the former by the superb quality of the latter. Kernels are dark red, hard and good size. Heads are medium in length and beardless. Smooth yellow chaff. Straw medium in height and very stiff.

Every farmer in the Northwest knows what ten days means in the maturity of the wheat crop, particularly in a cool wet season. Per pkt, 10c; per lb, 25c, postpaid. Peck, \$1.00; $\frac{1}{2}$ bu, \$1.75; bushel, \$3.00, by express or freight.

Blue Stem Wheat

MINNESOTA NO. 169

This wheat was introduced by the Minnesota Experiment Station, and has proved the best yielding variety of Blue Stem wheat sown in the Northwest. The average yield at the station has been 26.7 bushels for the past ten years. It is a strong, vigorous growing variety and will withstand rust and drouth better than most varieties of wheat. Besides this is one of the best milling wheats. Seed we offer is pure and clean, being thoroughly screened and all of the smaller kernels removed; this leaves only the large, vigorous, healthy seeds of the highest possible purity. All the largest wheat growers have discarded older varieties for No. 169. This is good evidence that it is desirable. Just give this matter of seed wheat careful thought. Here we are with the best wheat that was ever offered for seed purposes, grown for seed only, from the best selected seed produced by expert breeders, which we offer at a price slightly in advance of ordinary wheat. Per lb, 25c, postpaid. By express or freight, pk, 75c; $\frac{1}{2}$ bu, \$1.00; bu, \$1.75. Ask for prices on large lots. Samples on application.

Velvet Chaff Spring Wheat

Velvet Chaff Wheat is comparatively a new variety which has created more discussion than anything in the bread-making line for many years. The Velvet Chaff will outyield all other sorts except the Marquis and possibly Durum. When the wheat was first placed upon the market the millers made a great cry against it, claiming it to be inferior in quality for bread making, and thereby caused the market price to go much lower than all other varieties except the Durum (which by the way suffered a like experience). The fact of the matter as proven beyond any further doubt is that it is a satisfactory yielder, will stand a great deal of hardship in the way of heat and drought, will make as much and as good quality of flour as any wheat grown. The American Elevator and Grain Trade of October 15th, 1912, in an article on Velvet Chaff Wheat, says, in part: "It is true the milling quality of Velvet Chaff seems to be improving year by year." Lb, 25c, postpaid. Peck, 60c; $\frac{1}{2}$ bushel, \$1.00; bushel, \$1.75, by express or freight. Ask for prices on larger quantities.

Durum or Macaroni Spring Wheat

Macaroni wheat is a spring wheat. It will produce at least one-third more grain in a good year than any other wheat, and in a dry year will make a crop where ordinary wheat will be almost or quite a total failure. The U. S. Department of Agriculture says in its bulletin: "It is not only true that Macaroni wheats can be grown in dry districts, but they must be grown there in order to produce the best quality of grain." In the semi-arid sections the conditions are perfect for producing this wheat. Lb, 20c, postpaid. By express or freight, pk, 65c; bu, \$1.50.

Turkey Red Winter Wheat

The past season has demonstrated the fact that winter wheat is a surer crop than spring wheat when there is sufficient moisture in the fall to produce a good strong stool.

The past few years there has been an increased demand for winter wheat seed and to meet the demand we have concluded to put this variety in stock as it is the best winter wheat we have found for this locality. It is a red bearded wheat, with a very strong straw and is a heavy cropper. Per lb, 20c, postpaid. By express or freight, pk, 60c; ½ bu, \$1.00; bu, \$1.50, or at a slight advance on market price in season.

Spring Rye

We have been trying for many years to make our farmer customers understand the many advantages in raising rye. It is one of the surest crops in the Northwest; it is most valuable for the grain and straw, also for cutting green for hay. What we offer is the best strain in cultivation, absolutely clean and plump. Send for sample. Per lb, 15c, postpaid. By express or freight, per pk, 60c; bu, \$1.50.

Winter Rye

For fall sowing, maturing very early the following summer. Yields heavier than the spring variety and of better quality. We have secured a large quantity, which is now on hand to fill orders upon a moment's notice. We will mail sample and guarantee the goods we send you to be the same stock. Per lb, 15c, postpaid. By express or freight, per pk, 40c; ½ bu, 75c; bu, \$1.00. Write for price in season.

All catalog prices include strong new bags. Prices of seed grain subject to change without notice.

Buckwheat

Silver Hull. This variety originated abroad and is a decided improvement on the old black or grey sort; sown at the same time as common buckwheat, under the same conditions, it matures a few days earlier, continues longer in bloom and yields double the quantity. Makes the finest flour. Per lb, 15c, postpaid. By express or freight, pk, 50c; bu, \$1.25.



SILVER HULL BUCKWHEAT

Mr. M. A. Peterson, Hingham, Mont.: "I have just received my seed grain in fine shape and can say that it looks fine."

Mrs. W. H. Rounds, Schulz, Sask., Canada: "I have always used your seeds when I lived in North Dakota and found them splendid."



Japanese Buckwheat. Entirely distinct from all other varieties; the kernels are at least double the size of any other variety, and of a shape peculiar and distinct from all others. On account of its earliness it can be grown further north than any other. Sow $\frac{1}{2}$ bu per acre. Per lb, 15c, postpaid. By express or freight, pk, 50c; bu, \$1.25.

FIELD PEAS.

White Marrowfat. We find by experience that the White Marrowfat pea is superior to any other sort for this locality. It will stand drouth better and yield heavier than any other variety. Besides being the best for field culture, it is also an excellent pea for table use. Our stock this year is remarkably fine. Sow two bushels per acre. Qt, 50c, postpaid. By express or freight, qt, 35c; pk, \$1.50; $\frac{1}{2}$ bu, \$2.75; bu, \$4.50.

Black-Eyed Marrowfat. This, as well as the preceding, is extensively grown as a field pea, hardy and productive. Qt, 50c, postpaid. By express or freight, qt, 35c; pk, \$1.50; $\frac{1}{2}$ bu, \$2.25; bu, \$4.00.

CANADA FIELD PEA. For Hogs, Horses, Cattle and Sheep. Equal to Corn

(From Dept. Agri. Year Book, 1905.) No other grain crop except perhaps oats can be devoted to so great a variety of uses. The grain is possessed of a relatively high feeding value, and the same is true of the straw. There is no kind of live stock on the farm to which peas cannot be fed with positive advantage. They make a good food for horses at work, and colts during the period of development, if given as a part of the grain food. As a food for fattening cattle they are probably unexcelled."

Peas may be grown successfully on a variety of soils, but those designated clay loams, and which are well supplied with lime, are best adapted to their growth. However, good crops may be obtained in the stiffest clays. The potash element in these favors the growth of peas. Light, leachy sands, being deficient in moisture, do not produce enough of growth of vine, and black humus soils produce too much. Over-wet soils are wholly unsuited to the growth of peas. Sow $1\frac{1}{2}$ to 2 bushels per acre. Sample on application. Qt, 45c, postpaid. By express or freight, qt, 30c; pk, \$1; $\frac{1}{2}$ bu, \$1.60; bu, \$3.00.



CANADA FIELD PEAS

Qt, 45c, postpaid. By express or freight, qt, 30c;

SOME FACTS ABOUT GRASS, CLOVER, ETC.

In the first place, we want to say to our friends and patrons: Leave so-called meadow and pasture mixtures alone. As a rule they are mixed with a lot of stuff that cannot be sold by itself. If you want a mixture of grasses, clover, etc., get good pure seed of each sort you want and mix them yourself, and you will know what you have got. We make no mixture except our **Emerald Lawn**. If you want any other mixture, describe your locality, soil and subsoil and the purpose for which you desire it and we will undertake to tell you the mixture you are most likely to succeed with. We are plain people and we want to give you some plain talk, as the chances are, you or most of you, who read this book, are plain people also. Some land boomers and others at this particular time are trying to make the people believe that they can grow anything in the line of grass and clover anywhere in the Northwest. We are not in the land business, but we are in a business which gives us a deep interest in the people who own and till the land, and we do not want them to plant and sow large quantities of seeds that will bring them no returns. We are growing and dealing in seeds as a part of our business, but we do not want to sell the farmer anything unless we are sure it will bring a return for his labor. The writer has had thirty years' experience in the Northwest, and is willing to volunteer a little advice to those who are looking for it. If you cannot profit by the experience of neighbors who have preceded you in this country, as to the possibilities of grasses and clovers, we would advise you to go slow on the start and make some inexpensive experiments first. There are a great many localities in the Northwest, notably the high rolling prairies, where grasses (except the natives, Brome Grass and English Blue Grass) will not thrive one year with another for the simple reason that, as a rule, the falls are very dry, the ground freezing dry, which destroys the root or renders it so weak that it is of no value. The same is true of all clovers except the White Dutch. Alfalfa has been a partial success, and in many localities will prove of great value, but without irrigation it will never succeed with a hard, dry subsoil. If you have such a subsoil do not waste your time and money trying to grow alfalfa unless you are prepared to irrigate the surface. If you have land with an open moist subsoil, where the roots can at all times reach the moisture, it will be a success.

Western Rye Grass or Slender Wheat Grass



RED TOP

This grass is a native of the whole Northwest. Here, in the Missouri Valley, it grows to some extent on the bottom lands; it is also seen bordering old trails, where it often grows four feet high. It thrives on quite strong alkali lands. Lb, 35c, postpaid. By express or freight, 15 lbs (enough for one acre), \$2.50; 50 lbs, \$9; 100 lbs, \$16.

Meadow Fescue English Blue Grass. Succeeds well in almost all the soils from high dry lands to moist, standing the dry summer heat excellently. It is valuable as a pasture grass, being one of the earliest in the spring and latest in the fall. It is nutritious and very fattening. It is hardy, never grows in tufts, and being tender and succulent makes excellent hay. Lb, 40c; 2 lbs, 75c, postpaid. By freight or express, bu (14 lbs), \$3.50.

Red Top. A valuable grass for low moist places, such as old lake beds, basins, and other localities, where the soil is naturally quite moist. Produces good grazing and an excellent hay. Fancy, solid seed, four lbs equal to one bushel of chaff seed. Per lb, 40c, postpaid. By express or freight, 1 lb, 30c; 10 lbs or more, 28c per lb.

Prices of Grass and Clover Seed Subject to Change Without Notice.

Austrian Brome Grass

Bromus Inermis.

Bromus Inermis has proved a decided success. It forms a leafy compact turf and does well for pasture and hay. It makes hay of about the same quality as timothy and yields well. It stands drought the best of any of our cultivated grasses. It starts growth early in the spring and remains green a little longer than do most grasses. We recommended some years ago that the seed be sown with one-third to one-half seeding of oats (which should be cut green and very high stubble left) instead of alone. In this way 15 pounds to the acre is sufficient, as the oats assist in keeping down the weeds. Results prove that our recommendation was a good one.

We confine ourselves to the North Dakota product, which is heavier and germinates a greater per centum than any other we have ever tested. The seed we offer is thoroughly matured and dry. Lb, 25c, postpaid; 15 lbs, enough for one acre, \$2.25; 100 lbs, \$12.

Prices of Grass and Clover, except Emerald Lawn, subject to change without notice.

Timothy. Our best grade of timothy is equal to the very best on the market. We will be pleased to send samples on application. Sow one peck per acre. Per lb, 25c, postpaid. By express or freight, bu, \$4. We also have a lower grade, which is as good as the average. Samples and prices on application.

Kentucky Blue Grass. (See cut.) We handle nothing but the fancy, clean seed, the very best procurable, without regard to cost. Blue grass is not valuable as a hay crop but makes the best of pasturage. It will stand considerable hardship, but should not be sown on high rolling prairie land in the Dakotas, as in such localities it is liable to be damaged in case the soil freezes up dry in the fall. Sow 20 pounds per acre. Per lb, 45c, postpaid. By express or freight, bu, of 14 lbs, \$2.



KENTUCKY BLUE GRASS

Will's Emerald Lawn Mixture, 3rd Page of Cover.

Mr. Adolph Wacker, Washburn, N. D.: "I had very good success with the Emerald Lawn Grass."

High Grade Clover and Alfalfa

A LITTLE TALK ON CLOVER AND ALFALFA.

The cheapest Clover and Alfalfa seed is dearest in the end. We handle nothing but the best grade and no doubt lose a great deal of other trade in consequence as some people who are willing to sow a cheaper seed than we offer will send their order to some house selling a cheap grade and with it their order for other goods. Not only is our clover and alfalfa seed the best to be had, but it is grown in the highest latitudes where it can be produced. Our clover is grown in Northern Minnesota and North Dakota, and our native alfalfa in Montana. Of course, the Turkestan alfalfa is imported, and while we handle only the best grade obtainable, it does not compare at all favorably with the native northern grown seeds.

Our comparative trials show Montana seed to be superior in every respect to all other growths.

With the exception of postpaid prices on small lots we do not guarantee prices here quoted for any length of time as they are subject to change without notice. Therefore, unless your order states plainly not to ship except at list prices we will execute the order at the best possible price, whether higher or lower—if higher we will send value of remittance. If lower we will return balance.

We will be pleased to quote prices and submit samples on application.

Medium Red. Also sometimes called June Clover which name is local in some of the eastern states at least, owing to the custom of cutting the first crop of hay sometimes during the month of June, the second growth of the season being the seed producer. This variety is usually sown with timothy, which does not make much of a showing the first year, leaving the clover to occupy the ground practically alone.

The second year the timothy will predominate, and the third year the clover will have almost entirely disappeared. Sow $\frac{1}{2}$ pk with timothy. Per lb, 40c postpaid. By express or freight, lb, 35c; 10 lbs, \$2.50; 50 lbs, \$12; 100 lbs, \$22.

Alsike, or Swedish Clover. Not so strong a growing sort as the above, but better in quality. Will stand more hardships and thrive in a drier and poorer soil. Sow $\frac{1}{2}$ pk per acre. Per lb, 35c, postpaid. By express or freight, lb, 25c; 10 lbs, \$2.50; 50 lbs, \$12; 100 lbs, \$22.

White Dutch Clover. The hardiest of all clovers, not valuable for hay. Makes very good pasture if sown with other pasture grasses. Only grows about six inches high at most. Per lb, 50c, postpaid. By express or freight, lb, 40c; 10 lbs or more, 35c per pound.

Crimson Clover. An annual clover suitable for late forage for sheep and cattle. Can be sown with Dwarf Essex Rape at the last cultivation of corn and if there is sufficient moisture in the soil it will make large quantities of fall forage. Per lb, 25c postpaid. By express or freight, lb, 20c; 10 lbs or more, 18c per lb.

PRICES OF GRASS AND CLOVER SEED ARE SUBJECT TO MARKET CHANGES.

Alfalfa or Lucerne

We handle none but the higher grade.

Alfalfa is being more generally sown each year as it is a great success in many localities in the northwest. In localities where the conditions are right, three crops are produced in one season. The roots penetrate the soil to a great depth unless the subsoil is too hard and dry. In such a subsoil the plant will not succeed without surface irrigation, unless the rainfall is abundant throughout the whole season, leaving the ground moist at freezing-up time in the fall. We have always cautioned patrons to experiment in a small way unless they have the benefit of the experience of others on the same kind of soil as their own. Sow 10 pounds per acre. Per lb, 40c, postpaid. By express or freight, lb, 35c; 10 lbs, \$3; 50 lbs, \$12.00; 100 lbs, \$20.

Turkestan Alfalfa. Same as the above except that the seed is grown in a climate the same as our own, which makes it hardier. When we can produce the seed here at home there will no doubt be a marked improvement in results. Sow 10 lbs per acre. Per lb, 40c, postpaid. By express or freight, lb, 35c; 10 lbs, \$3; 50 lbs, \$12; 100 lbs, \$20.

Grimm, or Everlasting Alfalfa, price on application.

John J. Martin, Schafer, N. D.: "Seeded 50 lbs. of your Turkestan Alfalfa last year on 7 acres and certainly got the finest stand. I believe every kernel grew. In fact, all the seeds I bought from you last year were O. K."

Mr. Chas. G. Cook, Beach, N. D.: "I wonder if it will be of interest to you to know that I got Alfalfa seed of you last spring and it lived through the winter and looks fine now."

Millet and Forage Plants

These prices are subject to change without notice. We always fill orders at the lowest possible figures; if you want a large quantity write for prices.

Dwarf Essex Rape. Dwarf Essex Rape produces excellent pasture for nearly all kinds of stock.

It is an annual bearing a close resemblance in leaf and stalk to the rutabagas, but both leaf and stalks are more numerous in the rape plant and of a taller habit of growth. It is a pasture plant that may be eaten off by any kind of live stock, but is pre-eminently fitted to furnish pasture for sheep and swine. A good crop will furnish at least twelve tons of green fodder per acre, and its nutritive value is nearly twice that of clover. One acre of well grown rape will furnish pasture for ten to twenty head of sheep for two months, and in that time will fatten them in good form for the market. Dwarf Essex Rape thrives best on a good soil, rich in vegetable matter. Slough lands are excelent.

When rape is sown broadcast, five pounds of seed per acre will suffice. When sown in rows, say thirty inches apart, and cultivated, from one to two pounds will be enough. It is now being grown in the northern and middle states, from Atlantic to the Pacific. Price, lb, 25c, postpaid. By express or freight, lb, 15c; 10 lbs, \$1; 100 lbs, \$7. Write for prices on large lots.

MILLET AND FORAGE PLANTS—(Continued.)

A Little Talk About Millet

There has been a good deal of explaining in past years in regard to the difference between what is called the German or Golden Millet and Common Millet. The facts are as follows: What is known as German and Common Millet are one and the same, except that the seed of one is grown at the south and the other at the north. German Millet is a hot climate plant, and grows to greatest perfection pretty well south. What is called Common Millet is the product of the same millet grown at the north. What we want in the northwest is a stock of the southern product grown in southern Nebraska, southern Iowa, northern Kansas, northern Missouri or Illinois or Indiana. If the seed is grown further south than these localities the growth will be rank and coarse like small corn stalks, and will not come near enough to maturity before killing frost to head out or contain anything but water and a little dry matter. If grown further north than these localities they become what we call Common Millet and produce an inferior quality and quantity of hay. Seed grown at the north from the southern grown, will produce the first year a very good hay crop, but after that it deteriorates rapidly until no better than Pigeon Grass. Prices subject to change without notice.

German or Golden. (Southern Grown.) Our stock is grown in the right locality and will make the best grade of hay. Peck, 75c; $\frac{1}{2}$ bu, \$1.25; bu, \$1.75.

Common or Northern Grown. Per bu, \$1.50.

Broom Corn or Hog. This millet is very early, has heads like broom corn in shape, but very much smaller. The seed is an excellent fowl food, particularly for little chickens. It is not a valuable hay producer, but the seed crop is of the greatest value. Pk, 60c; $\frac{1}{2}$ bu, \$1; bu, \$1.50.

Early Fortune. This resembles the above in every way except that the seed is red instead of white. Pk, 60c; $\frac{1}{2}$ bu, \$1; bu, \$1.50.

Siberian. This millet resembles the common millet except the color is reddish and does not deteriorate by being grown continually at the north; a very desirable and profitable crop. Per Pk, 60c; $\frac{1}{2}$ bu, \$1; bu, \$1.50.

New Japanese. Entirely distinct from any other variety. Grows six feet high. It produces immense crops. Can be cut several times in one season. Lb, 25c, postpaid. Lb, 15c; bu of 40 lbs, \$2.50.

Hungarian Millet. Often called Hungarian Grass. In general favor for summer forage purposes, as it can be sown in June as a second crop, and it will be ready to cut in sixty days. It will yield two or three tons of hay per acre. Lb, 20c, postpaid. Pk, 60c; $\frac{1}{2}$ bu, \$1; 1 bu, \$1.75.

Broom Corn. Improved Evergreen. Lb, 25c, postpaid. Pk, 90c; bu, \$2.50.

Sugar Cane. **Early Amber.** Get pure seed of the Early Amber. It is the only variety of cane that makes a fine syrup, clear as crystal. For fodder purposes use fifty to sixty pounds per acre, broadcast; if in drills or rows about half this quantity will suffice. Lb, 20c, postpaid. 10 lbs, 75c; 50 lbs, \$2; 100 lbs, \$3.50.

Kaffir Corn. Lb, 20c, postpaid. 10 lbs, 50c; 50 lbs, \$1.50; 100 lbs, \$2.50.

Sunflower. Qt, 25c, postpaid. Pk, 80c; bu, \$3.

Sandvetch. **Vica Vilosa.** Lb, 35c, 3 for \$1, postpaid. 10 lbs, \$2.50.

Cow Peas. **Whippoorwill.** The best for the Northwest. Pk, \$1; bu, \$3.

Peanuts. **Spanish.** Earliest variety grown; pods are small, but remarkably solid and well filled. Interesting for children. Sow in drills 3 feet apart, placing the nuts 8 to 10 inches apart to allow for the bushy habit of the plants. Pkt, 10c; $\frac{1}{4}$ lb, 12c; lb, 30c, postpaid. By express, lb, 20c; 5 lbs, 75c.

Peanuts. **Mammoth Virginia.** The most profitable variety to grow, and is more desirable than the common spreading kind, because more easily cultivated, very erect stems and upright foliage and the largest pods and kernels of any variety, also fewer imperfect pods. The vines make valuable forage. Sow in drills four feet apart, placing the nuts six inches apart. Pkt, 10c; $\frac{1}{2}$ lb, 20c; lb, 30c, postpaid. By express or freight, 1 lb, 20c; 5 lbs, 75c.

Write for Prices on Millet and Cane, Grass, Clover and Alfalfa.

BISMARCK NURSERY**CERTIFICATE OF EXAMINATION.**

This is to certify that I have this date examined the Nurseries and Stock of Oscar H. Will & Co. and found the same to be free from dangerously injurious Insects and Plant Diseases.

Dated Aug. 24, at Bismarck, N. D.

C. E. WALDRON.

Remember that we can save you lots of good dollars on a very small order, but you must send direct to us.

Prices of Trees and Plants include packing securely and delivery on cars here. Purchaser pays all transportation charges on receipt of goods.

We guarantee that all trees and plants at these catalog prices shall reach the purchaser in good condition, when shipped by express.

No order for trees and plants will be accepted for less than one dollar.

Treatment of Trees from the Nursery. When the trees and shrubs are received from the nursery, if in a bundle place the roots in water before opening and let them remain for several hours, if convenient, then unpack and prepare for planting as directed below. If trees are boxed, open one side of the box and turn in sufficient water to wet them thoroughly, then place them in a cellar or some protected cool place until ready to plant. If not ready for several days the best plan would be to "heel" them in by placing the roots in a trench and covering firmly with earth, which must be moist.

Preparing Soil and Planting Trees. For trees larger than four-year-old seedlings if not convenient to have the whole surface thoroughly cultivated, as in prairie sod or lawn holes should be dug in proportion to the size of the tree to be planted. For a tree of one inch caliper and under, the hole should be two feet in diameter, and for every additional inch or fraction the hole should be increased in size to one foot in diameter. The hole should be only deep enough to admit of placing the tree a few inches deeper in the new home than it was originally grown. Any soil and subsoil, so far as the writer's experience and observation goes, will grow trees, except shale or alkali, if the necessary moisture is supplied. For all small trees, planted for wind breaks and groves, prepare the ground about the same as for corn, except that the cultivation should be a little deeper. It is not necessary that the soil should have been cultivated a term of years and planted to other crops. In fact, this is a mistaken idea many planters cling to, but the writer has proved the contrary, to his satisfaction at least. The people who stick to the idea of long cultivation of the soil for tree planting also admit that the best crop of grain is also obtained from new land. Then why not the best growth of trees while the land is new? The best crop of grain can be raised on the new land because the new land retains more moisture than the land that has been in cultivation a number of years; for the same reason trees will live and make a better growth on new land than on old cultivated land.

All forest trees, up to and including four years, should be root pruned to about six inches below the collar and then "puddled" in mud thick enough to leave a thin coating upon the roots, and immediately planted in the following manner: Take an ordinary spade, drive it full length into the ground in as near a perpendicular position as possible; press top of handle backward, then forward, sufficiently to leave a hole about two inches from back to front of the width of the spade blade. In this opening place the roots of the tree; at the same time draw out the spade with a slight forward motion, which will allow the fine earth to close in about the roots, then tread firmly, keeping the tree in position with the one hand holding by the top. This is the best possible way to plant small trees and can be done very rapidly by one man to spade and another man or active boy to "stick."

Cultivation of Trees. All groves and wind-breaks should be well cultivated for four or five years, after which all the care they need is to protect them from stock and fire.

Lawn and avenue trees cannot, of course, be cultivated to the same extent, but a small space about the tree should be kept free from grass and weeds, and mulched with well rotted stable manure or some other material that will hold the moisture for the use of the trees instead of being evaporated by the sun and wind.

Pruning. Trees may be pruned or trimmed to almost any form to please the fancy of the owner, without damage, but should be done while the wood is dormant, except the Box Elder, which must be done in the growing season to avoid loss of sap.

Ash. One year, 6 to 10 inches; per 100, 50c; 500, \$1.50; 1,000, \$2.50.

Two years, 10 to 20 inches; per 100, 75c; 500, \$2.50; 1,000, \$4.

20 to 30 inch, 100 \$1; 500, \$4; 1,000, \$7.

Six to eight feet, each 35c; doz, \$2.50; 100, \$20.

Eight to ten feet, each 50c; doz, \$5; 100, \$35.

Ten to twelve feet, each 75c; dozen, \$7.

Splendid 2 inch or over Caliper, \$1.50 each; dozen, \$15.

Notice—The two last above sizes will be shipped from Fargo, N. D., as they were grown on the A. C. grounds.

Postpaid, one year, 25 for 50c; 50, \$1; 100, \$1.25.

Box Elder. (Ashed leaved Maple.) One year, 6 to 10 inches; per 100, 45c; 500, \$1.75; 1,000, \$3.

Two years, 10 to 20 inch; per 100, 75c; 500, \$3; 1,000, \$5.

Thirty to forty inch, 100, \$3; 500, \$12.

Four feet, each 15c; doz, \$1; 100, \$5.

Five to six feet, each 20c; dozen, \$1.50; 100, \$7.

Eight to ten feet, each 30c; doz, \$3; 100, \$25.

Two to three inch caliper, \$1 each.

Postpaid, one year, 25 for 40c; 50, 75c; 100, \$1.

Cottonwood One year, 6 to 12 inch; per 100, 50c; 500, \$1.25; 1,000, \$2.

Two years, 12 to 20 inch; per 100, 75c; 500, \$1.75; 1,000, \$3.

Three years, 20 to 30 inch; per 100, \$1; 500, \$3; 1,000, \$5.

Four years, 30 to 40 inch; per 100, \$1.25; 500, \$4.50; 1,000, \$8.

Six to eight feet, each 25c; doz, \$2; 100, \$15.

Eight to ten feet, each 35c; doz, \$3; 100, \$18.

Three to four inch diameter, cut any length desired, each \$2.

Postpaid, one year, 25, 35c; 50, 65c; 100, 90c.

Elm. (White), 12 to 18 inches; per 100, 75c; 500, \$3; 1,000, \$5.

Eighteen to twenty-five inch, per 100, \$1; 500, \$4.50; 1,000, \$8.

Six to eight feet, each 50c; doz, \$5.

Postpaid, 12 to 18 inch, per 25, 50c; 50, 75c; 100, \$1.25.

Evergreen Seedlings

By mail postpaid—10 packages as below: Price, \$1.00 each, six for \$5.00. Trees for Woodlot, Hedges, Windbreaks and Lawn Planting. Owing to the widespread interest in forestry and woodlot planting, farmers and land-owners all over the country are beginning to realize that the establishing of woodlots or shelterbelts is just as important as the raising of staple crops and the profits larger and more sure. Evergreen hedges and rows of trees between fields tend not only to increase the fertility of the soil, but by their ornamental appearance, add considerable to the cash value of the farm.

These varieties are all those which have been thoroughly tested and are proven absolutely hardy and reliable and will grow successfully in all parts of the country. Complete planting instructions and cultural directions will be furnished with each order sent. Send in your order as early as possible to avoid disappointment as stock is limited. Shipment will be made in April and May. You cannot afford to overlook these wonderful collections.

100 Norway Spruce	2 yr. seedlings
100 Scotch Pine,	2 yr. seedlings
25 Blue Spruce	2 yr. seedlings
100 White Pine	2 yr. seedlings
100 Austrian Pine	2 yr. seedlings
100 Jack Pine	2 yr. seedlings
50 Black Hill Spruce	2 yr. seedlings
25 Concolor Fir	2 yr. seedlings
75 Ponderosa Pine	2 yr. seedlings
50 White Spruce	2 yr. seedlings

A. van Belle, Porter, Mont.: "I got 1,000 of your Cottonwood trees and they are doing fine."

LINDEN

Although the Lindens are the softest wooded trees, yet they have proved to be among the iron clad sorts in this locality. We have given them a thorough trial over a period of about eight years under various conditions and we have yet to detect the slightest damage from heat, cold or drought. The Lindens in lower latitudes are a rapid grower, but in this latitude they barely keep pace with the ash, which is not at all rapid; this fact, no doubt, accounts for its hardiness.

American. A stately tree, growing 60 to 80 feet tall, with large, shining cordate leaves. Valuable for its beautiful white wood. Its flowers appear in July. 6 to 8 feet, 75 cts; doz, \$7.

European. A fine pyramidal tree, with large leaves and fragrant flowers. Largely used for street and ornamental planting, developing into beautiful specimens. 6 to 8 feet, 60 cts; doz, \$6.

POPLAR.

Poplar. (*Populus Certenensis.*) (See cut.) The true Russian Poplar. Some years ago we secured one hundred small plants one year from cuttings and have been propagating and growing from the same until we now have a fair supply of splendid stock to offer. This Poplar proves to be the most hardy tree, except Norway, linden and the natives, and is a thrifty, rapid, vigorous grower, pyramidal in form, with large glossy leaves. Our experience with this tree warrants our claiming it to be among the most desirable for the Northwest. 8 to 10 feet, 50c each; \$5 per doz. 2 inch caliper, 10 to 12 feet, \$1 each; \$10 per doz.

RUSSIAN POPLAR (*POPULUS CERTENENSIS*)

Norway Poplar. The Norway Poplar appears to combine more desirable qualities in a high degree than any other tree that has been brought before the public. Its origin is in doubt. We have no evidence that it came from Norway. But it first came to light among the Norwegians of Southern Minnesota, where it has been gaining in popularity on its merits for the past thirty years. It first came to the notice of horticulturists at a meeting of the Northern Horticultural Society of Iowa, at Forest City, in the winter of 1897, where at that time it was mentioned as making a remarkable record for rapid growth and fine timber qualities in Fairbault county, Minnesota, in the immediate neighborhood of Walnut Lake. During the past five years it has been successfully grown in a small way in all the Northwestern States. 3 to 4 feet, doz \$1; \$5 per 100; 4 to 5 feet, 15c each; \$1.50 doz; \$8 per 100. 5 to 7 feet, 25c each; \$2 per doz; \$10 per 100.

Poplar. (Carolina.) Our first trials of this splendid tree were not at all satisfactory, but we were inclined to think that the first stock was not quite right. We now have a limited quantity which we offer, but we advise those who have had no experience with them or of the experience of others, to try only a small number. The success in some localities in the Northwest has been marked, and in others poor. The Carolina Poplar is a very vigorous, rapid growing tree of pyramidal form, with large glossy leaves, valuable for park or street planting. Makes a fine spreading head if well cut back the first few years. It has a tendency to run up too high like the Cottonwood. Thrifty young trees, 6 to 8 feet, each 35c; doz, \$2.50.



CUT LEAF WEEPING BIRCH

Cut Leaf Weeping Birch. (See cut.) One of the most graceful of all ornamentals. It is perfectly hardy, not a single one of the delicate willow branches ever having been injured by heat or cold. Our stock consists of extra fine specimen trees, each a picture by itself. 5 to 6 feet, each 75c; doz, \$8.

Willow, Diamond. The most valuable as to timber of all the willow family. It is a native of North Dakota and is most hardy. It has a shrubby tendency, and in such form is valuable as part of shelter belt or hedge, but, if a little attention is paid to pruning from the start there is no more graceful tree to be had. Diamond Willow makes the best fuel of any known wood, and the posts will outlast by many years the best white cedar. Seedlings, per 100, 75c; 500, \$2.60; 1,000, \$4. Cuttings, 500, \$1. 1,000, \$1.50, by express or freight. Doz, 25c; 100, 75c, postpaid.

Willow Golden Russian. A showy variety with golden bark of high color, making it very conspicuous during winter. A handsome tree at all seasons. Fine two-year plants from cuttings, doz, 50c; 100, \$4. Fresh cuttings from new wood, per 500, \$1.50; 1,000, \$2, by express or freight. Doz, 25c; 100, 75c, postpaid.

Willow. The true white English. Fresh cuttings from new wood, 500, \$1; 1,000, \$1.50, by express or freight. Doz, 20c; 100, 50c, postpaid.

Poplar. (Balm of Gilead.) The popularity of the Balm of Gilead is increasing rapidly, as its remarkable hardiness and beauty becomes better known. 4 to 6 feet, each, 25c; doz, \$2.50. 6 to 8 feet, each, 50c; doz, \$4.

Soft Maple. This tree has not been what might be called a great success in this vicinity, and we have hesitated to offer it for many years, although reports from some localities were good. We have been forced into growing the Soft Maple by the continual demand which for many years we were unable to supply, and in consequence lost a great deal of trade, as people who wanted the Maple and could not procure it from us would send their entire order elsewhere. We advise parties who have had no experience with Soft Maple to plant sparingly until they are sure that that tree is going to thrive in their immediate locality. We have a fine stock of two-year-old seedlings which we offer as follows: Per 100, \$1; 500, \$3; 1,000, \$5.

Mountain Ash. (European.) A fine hardy tree; head dense and regular, covered from July till winter with great clusters of bright red berries. Each, 50c; doz, \$4



LAUREL LEAVED WILLOW

Willow, Laurel Leaved Russian (see cut). Hardy, adapted to great variety of soils and easily transplanted. A handsome ornamental tree, with very large, shining, laurel-like leaves; bright green bark in winter, a fine specimen the year round. Fine two-year plants from cuttings, per doz, 65c; 50, \$3; 100, \$5. Fresh cuttings from new wood, 500, \$1.50; 1,000, \$2. By express or freight, doz, 25c; 100, 75c, postpaid.

Mark Chamberlin, Cody, Wyo.: "The trees you sent me were in fine condition and I wish to thank you for the same."

Mrs. H. Kreinburg, Coyote, Mont.: "I used seeds from your house last year and can say they did fine."

Hardy Russian Olive

This is the hardiest of the Russian importations. It will not only thrive on the poorest and driest soil, but will luxuriantly stand in stagnant water for months. The foliage is a silvery white, retaining its freshness very late in the fall, even after very severe freezing, and frequently well into the winter. Flower is small, yellowish and produced abundantly. Trained into a tree it is one of the most beautiful ornaments. By cutting back for a hedge it becomes dense and compact and produces a most valuable fence which will turn all kinds of farm stock, and as an ornamental hedge it is the most attractive thing in cultivation. Although the wood is hard and the nature of the plant so hardy, it is a very rapid grower, the established plants making a growth of several feet in a season when the soil is rich and well cultivated. Fine stocky plants. One year, per dozen, \$1; per 100, \$6. Two year, dozen, \$2; 100, \$10. 5 to 8 feet, each 25c; doz, \$2.50; 100, \$15.

NORWAY SPRUCE.

Early trials, beginning in 1882, and for many years following, with this very desirable evergreen were very discouraging, but during the past few years there has been a marked improvement, owing, no doubt, wholly or in part, to the changing climate brought about by the development of the country. After transplanting, a partial shading should be given until after the middle of August, after which time they should be fully exposed to the sun to harden them for the winter. We have a very limited supply 18 to 24-inch trees, twice transplanted. Each, 50c; per doz, \$5.

BLACK HILLS SPRUCE.

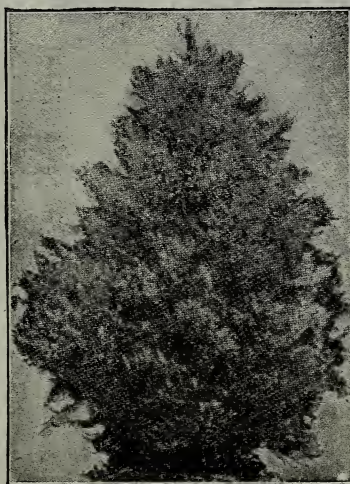
This is the most attractive of all evergreens and we believe it to be without a single exception the hardiest. We can furnish only a very small lot of handsome specimen trees, 18 to 24 inches, which have been transplanted three times. Each, 75c; doz, \$3.



NORWAY SPRUCE



COLORADO BLUE SPRUCE



BLACK HILLS SPRUCE

COLORADO BLUE SPRUCE.

Fir, Concolor (White Silver)—An elegant picturesque Colorado species; long leathery leaves, with glaucous tinge when young, becoming pale green with age. Branches arranged in horizontal whorls. This is perfectly hardy anywhere in the Northwest. 18 to 24 inch, twice transplanted, each 75c; per doz, \$8.

HARDY ROSES AND SHRUBS

Crimson Rambler. Rich glowing crimson. Strong two year old plants. Each, 25c; doz, \$2.50. Postpaid, 50c each.

Yellow Rambler. Light canary yellow. Strong two year old plants. Each, 25c; doz, \$2.50. Postpaid, 50c each.

White Rambler. Pure pearl white. Strong two year old plants. Each 25c; doz, \$2.50. Postpaid, 50c each.

General Jacqueminot. Bush. Too well known to require lengthy discussion. It still holds first place among the dark red roses. A rich crimson scarlet, simply a mass of bloom when at its best. Each, 25c; doz, \$2.50. Postpaid, 50c each.

Baby Rambler. The greatest sensation in the rose trade for many years. A dwarf (bush, not climbing) form of Crimson Rambler, and, furthermore, ever-blooming. Will bloom continuously throughout the summer if planted out of doors. Has the same bright crimson color as the Climbing Crimson Rambler, and blooms in clusters of twenty to forty flowers at one time on plants of fair size. "Baby Rambler" is one of the best roses for bedding and is going to be just as popular and extensively planted as the climbing form has been. May be grown in pots just as easily as any of the old pot plants and will grow and bloom with but ordinary treatment from one year's end to another. We have

grown a nice lot of thrifty plants for our trade, and expect to please every customer by furnishing the best rose novelty of recent years. Two-year, 25c each; doz, \$2.50. Postpaid, 50c each.

Pink. "Baby Dorothy." A true dwarf form of Dorothy Perkins, continuing the family virtues, and pink beauty. The prettiest pot rose on the market. Each,

25c; \$2.00 per dozen; 40c each, postpaid.

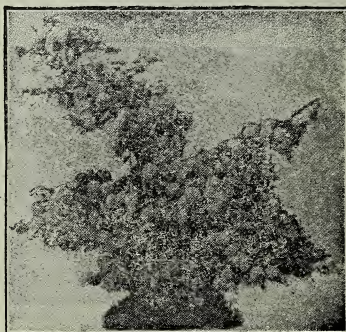
White Baby Rambler. As delicately tinted and as full of clusters as any Polyantha Rose. Its pure white flowers are perfectly double, and bloom with the unceasing freedom of the reds and pinks of this class. Two-year, 40c; \$4 per dozen; 60c each, postpaid.

Bull Berry or Buffalo Berry. A native shrub with silver green foliage, bearing enormous loads of fiery-red berries about the size of an old-fashioned red currant and superior for making jelly; a very ornamental bush; also a valuable hedge plant, as it has long, sharp thorns. Each, 25c; dozen, \$1.50; 100, \$10.



Snow Ball

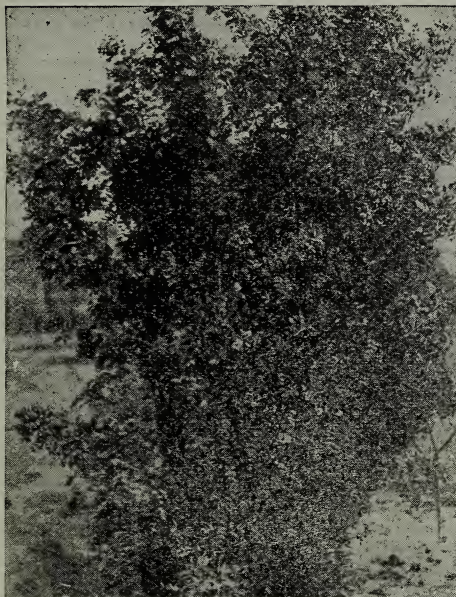
Large Flowering. (*Viburnum Sterilis*). Attains a height of 10 to 12 feet. Blooms in the latter part of May and is used extensively for Memorial Day decorations. Flowers are large balls, pure white, borne in clusters of 5 or 6. 2 to 3 ft, each 30c.



SNOWBALL

Siberian Pea Tree

Caragana Arborescens



CARAGANA ARBORESCENS OR SIBERIAN PEA TREE

This is one of the most hardy shrubs brought from Northern Russia. The foliage resembles the locust somewhat. It blooms in May and June. The blossom is a bright yellow, and very showy and fragrant. Can be grown as a shrub in the lawn, as a tree, or planted in hedge rows. Thrives in the poorest of soils, will withstand all kinds of hardships, but will not stand in a very wet locality. Strong one-year plants, 25c each; 1.50 per doz, postpaid. By express or freight, each, 15c; doz, \$1; 100, \$5; 500, \$20. 5- to 6-ft. trees, 25c; doz, \$2.50.

Honey Suckle. Red Tartarian. (Up-right) Blooms in June, with beautiful pink and white flowers, followed with pure white berries, making a very handsome ornamental plant the entire season. Each, 25c; doz, \$2.50.

Honey Suckle. White Tartarian. Pure white flowers followed by deep red berries that fill the bush till autumn. Very attractive. Each, 25c; doz, \$2.50.

We have some extra fine large clumps of both the above Honeysuckles which can be taken up with balls of earth for transplanting; these are very desirable and give great satisfaction as the growth is not at all retarded by the above method. Price, each \$1.00; dozen, \$5.00.

Wigela Argentea Marginata. An exquisite dwarf form, with clearly defined silver variegated leaves and flesh pink flowers. For bordering groups of taller shrubs, walks or drives, or planting around house foundations it is very useful. One of the best variegated shrubs. Each, 25c; doz, \$2.50.

Syringa. A fine old shrub of medium size, that blooms among the earliest of the family, in very graceful sprays. Its large white flowers are delightfully scented. Each, 25c; doz, \$2.50.

Spirea Van Houttei (Bridal Wreath). A splendid garden shrub, entirely hardy, and the most beautiful of all; immense bloomer; pure snow-white flowers. 3 to 4 ft. bushy, each, 50c; per doz, \$5.

Hydrangea Arborescens Grandiflora. A grand addition to the summer flowering hardy shrubs; dwarfing the show of other sorts in July and August by the magnitude and profusion of its flower-heads. The flowers are, in a large way, similar to the familiar "Snow-ball" in appearance, and are so conspicuously white and imposing that whether as single specimens, as cut flowers, or in groupings, their presence is predominant. Each, 35 cts; \$2.50 per dozen.

Virginia Creeper, Five-Leaved Ivy. A native vine of rapid growth, with large, luxuriant foliage, which in the autumn takes on the most gorgeous coloring. Each, 20c; doz, \$1. Postpaid, 35c each.

Lilac. (Purple.) A fine old-fashioned shrub. Each, 25c; doz, \$2.50.

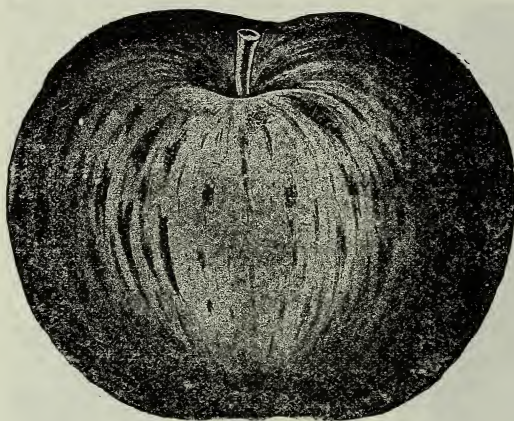
Lilac. (White.) Very fragrant. Each, 25c; doz, \$2.50.

Buckthorn. For hedge planting. After a thorough test of medium priced effective hedge plants, we consider this the best and hardiest for the Northwest, as well as other sections of the country. It stands for cold winters without a particle of injury. Commences growth very early in spring, retains its foliage late in autumn. Price, 10 to 15 inch, 50, \$3; 100, \$5.

Mr. D. E. Clark, Oakes, N. D.: "The trees and plants I bought of you are doing fine."

Fruit Trees, Small Fruits, Etc.

Apples



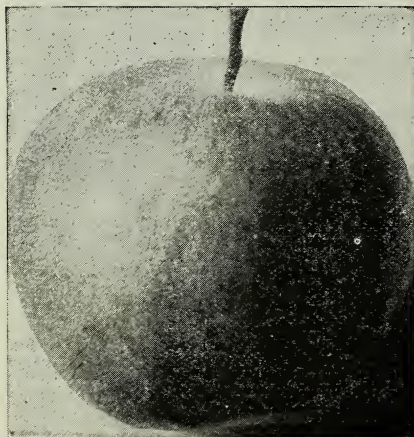
DUCHESS OF OLDENBURG

Duchess of Oldenburg. The fruit is round and firm, medium to large size, streaked with red and yellowish green, is tender, juicy and pleasant. This best known Russian apple is also the handsomest and most generally valuable, succeeding in the coldest climates where most varieties fail, yielding well in all sections. The trees come into bearing very young and bear almost continuously. 4 to 6 feet, two years, at 40c each; \$4 per dozen.

The past few years has proved to the most skeptical that apples can be grown very successfully throughout the Northwest if given a very little care and attention. The most important thing to insure a crop of fruit is to have protection from the prevailing winds. This is an easy matter if a wind-break of cottonwood, willow, box-elder, ash, etc., is planted at the same time as the fruit trees. Any of the hardy fruits we offer do not need this protection to keep them alive and thrifty, but they will need it as soon as they come into bearing to prevent the winds from shaking off the fruit before maturity. All apple and crab apple trees are two and three years old and from 4 to 6 feet high, nicely branched, well rooted, free from disease and insect pests.

Northwestern Greening. This is a splendid variety. It commences to bear fruit early and bears annually thereafter. The fruit is large, smooth and symmetrical, light yellowish green, and of rich delicious quality. It is the best in early winter. Each, 40c; doz, \$4.

Wealthy. Large, red, subacid, productive. Each, 40c; doz, \$4. Dozen lots may be made up of all varieties of apples and crab apples.



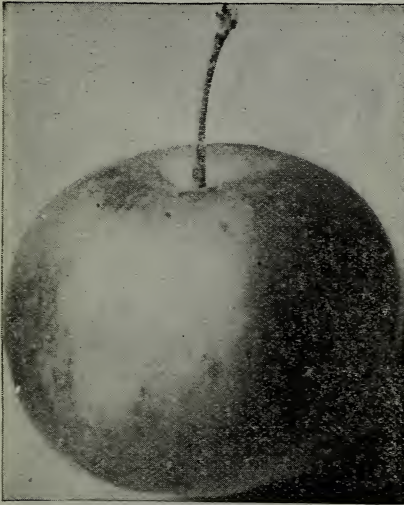
WEALTHY APPLE



WHITNEY NO. 20 CRABAPPLE
(See description next page)

Crab Apples

The Hardest and
also the Best of all
Crab Apples.



GENERAL GRANT CRAB APPLE



LYELOP CRAB APPLE

We have been fruiting these of the following varieties of crab apples for about ten years without a single failure. All these varieties are not only the hardest but are the very best in quality. The fruits from which the cuts on this page were photographed were taken from trees in the nursery rows, except the General Grant was from a large bearing tree at the writer's home.

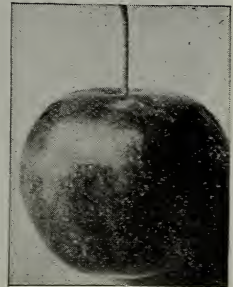
General Grant. This is superior to all known sorts of any climate. Fruit very large, smooth, color deep red. Not as juicy as some varieties, but a splendid eating apple of a peculiar delicious flavor. Each, 40c; dozen, \$4. It is also a splendid pie apple and makes cider of the most delicious flavor, which keeps without fermentation much longer than any other.

Hyslop. Large, deep crimson, one of the most beautiful of crabs. Very popular. Each, 40c; dozen, \$4.

We also have some large handsome trees of this variety seven feet or more in height, with fine stocky heads at \$1.50 each or \$12 per dozen. These will bear fruit the second year and give great satisfaction.

Transcendant. Immensely productive; bright red; one of the most popular. Each, 40c; dozen, \$4.

Whitney No. 20. (See Cut, opposite page.) The fruit is extra large, skin smooth glossy green, striped with red. The flesh is firm, juicy and rich. The tree is extra strong in growth, straight and symmetrical. One of the heaviest yielders in the entire list and highly prized for cider. Each, 40c; dozen, \$4.



HYSLOP CRAB APPLE

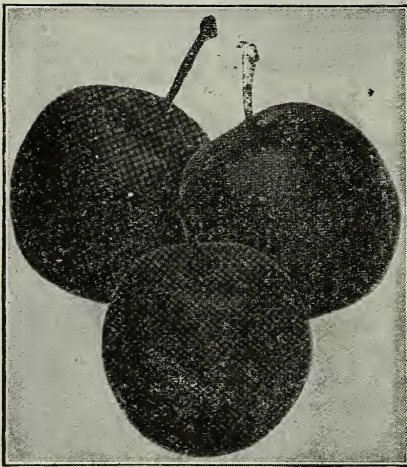
CHERRY

Early Richmond. Medium size, dark red, melting juicy, sprightly rich acid flavor. The stone adheres to the stem with remarkable tenacity. This is one of the most valuable and popular of the acid cherries and is unsurpassed for cooking purposes. Tree is a slender growth, with a roundish spreading head, and is exceedingly productive. 4 to 5 feet each, 50c; dozen, \$5.

PLUMS

THE COMPASS CHERRY-PLUM

Compass Cherry-Plum. (See cut). Isa Plum, and is undoubtedly the best cross between a Sand Cherry and Miner of any kind obtained yet, and is absolutely hardy. All of our stock of this variety is grafted on hardy wild plum roots, thus making every tree "iron clad" both in root and branch. When propagated in this way they need no protection whatever and are in every particular as hardy as the oak. (We wish here to warn planters that some growers are selling Compass Cherry budded on peach roots and Myrobalan plum stock. Such trees are worthless in this climate.) The tree is low growing with long graceful branches and bright foliage, resembling a cherry in appearance and habit of growth. Branch from which cut was photographed was taken from a tree not over seven feet high. It bears profusely at one year old. 4 to 5 feet, each 60c; doz, \$6.



SAPA PLUM

Sapa (Sioux Indian word for "black"). See cut. The female parent is one of a selected seedling of the western sand cherry, a favorite fruit of the Sioux Indians; the male parent, a very large purple-fleshed, Japanese plum originated by Luther Burbank of California and by him named the Sultan. The Sapa fruited first in 1907 on a tree cut back very severely for bud-sticks. These first specimens were only one inch in diameter, but the size will probably increase. The tree is plum-like in habit; one year trees in nursery have many fruit buds; the glossy, dark purple skin and rich dark purple red flesh of its Japanese sire. 4 to 5 feet trees each, 60c; doz, \$6.00.



COMPASS CHERRY-PLUM

Opata (Sioux Indian word for "bouquet"). Female parent the Dakota sand cherry; male parent, the Gold Plum, a very large hybrid Japanese variety originated by Luther Burbank. Opata forms fruit buds freely on one-year-old shoots in nursery; foliage large and glossy. Fruit dark purplish red with blue bloom; flesh green, firm; flavor very pleasant, combining the sprightly acid of the sand cherry with the rich sweetness of the Gold Plum. A very strong grower in the nursery and orchard and an early and heavy bearer. 4 to 5 feet trees, each, 60c; dozen, \$6.00.

De Soto. This is the only variety of American plum of the improved type that has been a marked success in this part of the Northwest. Besides being perfectly hardy it is a strong grower and produces fruit at two years bud or graft. Extremely productive, medium sized, bright red, excellent quality. Each, 40c; dozen, \$4.

Native Wild. Fruit medium red with blue bloom; flesh juicy and sweet. Extra large nursery grown trees. Each, 25c; doz, \$2.50.

Geo. B. Smith, Columbus, Mont.: "Many have seen the trees I got of you and admire them."

Mr. H. L. Nash, Elk'aka, Mont.: "The seed and trees purchased from you last year were quite satisfactory."



SUNBEAM RED RASPBERRIES

SUNBEAM RED RASPBERRY

This is the hardiest of all red raspberries. The female parent was a wild red raspberry from Cavalier County, N. D., near the Manitoba line; male parent, Shaffer's Colossal, from New York state. The plants are extremely vigorous and productive, fruit large size and of excellent quality. It has endured more than 40 degrees below zero without protection in our nursery the past three winters. Per dozen, 75c, postpaid. By express or freight, per dozen, 50c; 100, \$3.50.

RED RASPBERRY—Cuthbert. This is the strongest variety of Red Raspberry for this locality. Berries are very large and firm, often measuring two inches in circumference; conical, rich crimson; very handsome and not only the very best for family use, but it is the best shipping berry in cultivation. Dozen by mail, postpaid, 40c. By express or freight, doz, 25c; 100, \$1.50.

EATON RED RASPBERRY.

After the most thorough trials of Eaton we are ready to offer it in small lots to our patrons as one of the hardiest, most prolific, firmest and most delicious Red Raspberries in cultivation. Per doz 50c, postpaid; by express or freight, doz. 25c; 100, \$1.75.

BLACK RASPBERRY—Cumberland. The black raspberries are not as hardy as the red and require greater care. They must be protected by covering during the winter. The Cumberland is large size, firm texture, and has no rival. Per doz, 50c, postpaid. By express or freight, 25c, 75c; 50c, \$1.25; 100, \$2.

BLACKBERRIES—Eldorado. The vines are very vigorous and their yield is enormous. Berries large, jet black, borne in large clusters, and ripen well together. They are very sweet, melting and pleasing to the taste. Doz, 50c, postpaid. By express or freight, doz, 25c; 100, \$1.80.

GOOSEBERRIES—Houghtons. Small to medium; roundish oval; pale red; sweet, tender, very good. Plants spreading; shoots tender; enormously productive. Each, 35c, postpaid. Dozen, \$2, by express or freight.

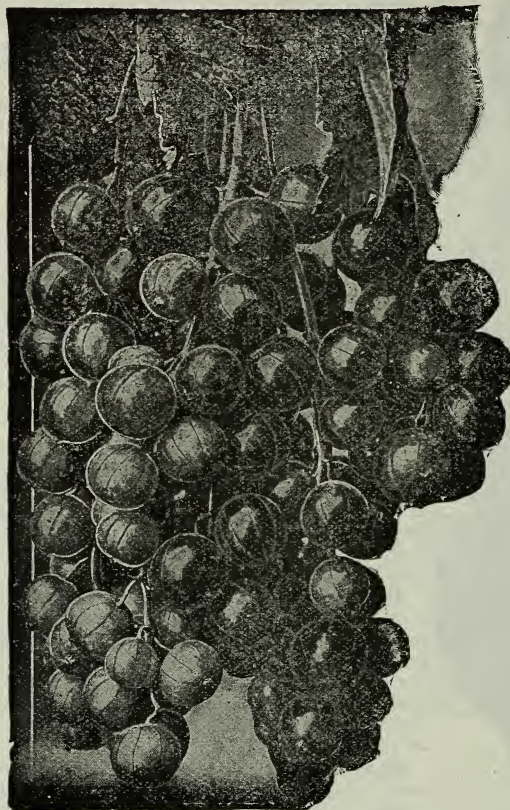
**Senator Dunlap**

J. E. Rounds, Seventy-nine, Mont.: "I have planted your seeds and nursery stock for past two years, and find that they are just right for this locality."

Mrs. Chas. Ellis, Difficulty, Wyo.: "The success I have had with trees and plants has been wonderful and they were all bought of you."

STRAWBERRIES—Senator Dunlap. (Perfect.) A well tested, wonderfully productive variety, one of the safe sorts to plant everywhere and sure to take a high place among the prominent standard sorts. Plant resembles Warfield, rampant runner, should be restricted in its production of plants; fully equal to Crescent and Warfield in its ability to succeed under all circumstances. Fruit good size, regular form, beautiful bright red, glossy, firm, splendid keeper and shipper, excellent quality, one of the best. Ripens early and continues a long time. It promises to stand at the head in its wonderful ability to ripen a good crop under almost any condition of drouth or neglect. We picked the past season nearly three thousand quarts per acre. 25 plants, 50c, postpaid. By express, 25c, 40c, 50c, 75c; 100, \$1.00.

Currants



PERFECTION CURRANT

Cherry. Berries sometimes half an inch in diameter, bushes short, plant very vigorous and productive when grown on good soils and well cultivated. Each, 25c, postpaid. By express or freight, doz, 75c.

White Grape. Very large, yellowish white; sweet or very mild acid; excellent quality and very valuable for the table. Each, 25c postpaid. By express or freight, doz, 75c. Red and white mixed, 75c per dozen.

PERFECTION,

The greatest of all currants.

Created by crossing Fay's Prolific with White Grape, and combines the best-qualities of both parents. In color it is a beautiful bright red and of size larger than the Fay; the clusters average larger and the size of the berries is maintained to the end of the bunch.

Another advantage the Perfection has over all competitors is the length of stem between the branch and the fruit, allowing the picker to grasp the bunch firmly without crushing a part of the fruit. It is the most productive currant we have ever known, and in quality it is superior to anything in the market today, being of a rich, mild, subacid flavor and having plenty of pulp with few seeds. Strong two-year plants, each 50c, postpaid. (By express or freight) each 25c; dozen, \$1.50.

Grapes

Concord. Well known old standard sort which has proved to be one of the hardiest. A strong, vigorous vine, compact and handsome. The berries are large, sweet and juicy, with few seeds. They ripen from the 15th to the last of August. Each, 25c; doz, \$2.50, by express or freight. Postpaid, each 50c.

Beta. Introduced by Prof. Green a few years ago and has proved to be the hardiest of all grapes, and also most prolific. The vine is a rapid grower, often making fifteen to twenty feet in a season; fruit matures about August 20th; perfectly hardy without covering. Two-year plants, 25c; dozen, \$2.00; if desired by mail, add 20c each.

Rhubarb

Monarch. Strong, vigorous grower, producing extra large stalks of finest quality, of a decided pink color. For canning or cooking in any way its quality is unsurpassed. Per dozen, \$1.50, postpaid. By express or freight, \$1.

Horse-Radish Roots

Common. Dozen, 30c, postpaid. By express or freight, 20c.
Bohemian Horse-Radish. Introduced by the United States Department of Agriculture, under name of Malinor Kren. Grows large white roots of the very best flavor. A most decided improvement and will soon be in general use. Cultivation is as easy as the ordinary root crops like potatoes and carrots. Dozen, 50c, postpaid. Express or freight, per dozen, 40c.

Asparagus Roots on Page 2.

For Index see Page 40.



Will's Emerald Lawn Grass Mixture

This is a mixture of choice grass of the finest quality, prepared for this latitude by many years of careful and expensive experiments. It makes a thick, heavy turf by forming a compact growth of short varieties. These following one another in rapid succession, preserving a rich, green lawn throughout the entire season. Will make a beautiful lawn four weeks from sowing. Emerald Lawn grass speaks for itself. The very best lawns in the northwest are the product of it. It would be very difficult to find a town in the Northwest without one or more beautiful lawns produced from Will's Emerald.

Every variety of grass in Will's Emerald Mixture is of the choicest and highest grade. This is the only lawn grass seed we offer.

Good lawn grass cannot be cheap; if a cheap grass is sown only a cheap lawn can be expected, if any.

We wish to call particular attention to the many brands of cheap so called lawn mixtures claimed to contain large percentages of Fancy Kentucky Blue Grass and other high priced grasses which are worth in the market often double the price asked for the mixtures. We have noticed that one of our competitors has been offering for a number of years a mixture they call "Emerald" at a very low figure with the apparent intention to have it appear that they are selling the same as Will's Emerald mixture at about half our price.

The only direction required is to have your soil well pulverized, smooth and mellow. Scatter the seed as evenly as possible; rake in thoroughly. Do not rake all one way, but move the rake backward as well as forward. By this motion there is less liability to "bunch" the seed, making an uneven stand. When well covered and surface carefully smoothed, turn on spray until thoroughly soaked and keep wet until the surface becomes green, after which, water as needed. The rules for seeding is one pound of seed to 300 square feet. Lb. 35c., postpaid. By express or freight, peck \$1.25; bu.—20 lbs.—\$4.

NOTE—All soils contain more or less weed seeds, and the black, rich soil often used as a top dressing contains thousands of such seeds to the cubic foot and are charged up to the seedsman by unthinking persons. All seeds used in our mixture are the purest and cleanest that can be produced.

Pioneers 30th Annual Hardy Russian Olive

BEAUTIFUL TREE OR HEDGE
SEE DESCRIPTION ELSEWHERE

One year plants, per doz., \$1; per 100, \$6.
Two year plants, per doz., \$2; per 100, \$10.
5 to 6 ft. trees, each, 25c.; doz., \$2.50.



Siberian Pea Tree (*Caragana Arborescens*)

HARDY SHRUB OR BEAUTIFUL HEDGE
SEE DESCRIPTION ELSEWHERE

Strong one year plants, per doz. \$1; per 100, \$5. Two years, doz., \$2; per 100, \$8. 5 to 6 ft. trees, each 25c; doz., \$2.50.

