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Will's

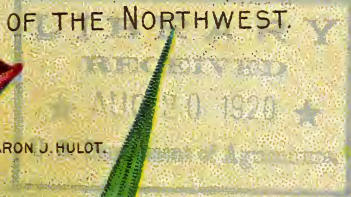
Thirty Third ANNUAL

(ONE THIRD OF A CENTURY)

1916

PIONEER SEED HOUSE AND NURSERY OF THE NORTHWEST.

BARON J. HULOT.

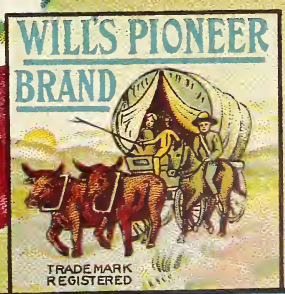


CHICAGO RED.

SCRIBE.

WHITE EXCELSIOR.

KING OF YELLOWS.



WILL'S PIONEER BRAND

TRADE MARK REGISTERED

OSCAR H. WILL & CO.

BISMARCK, NORTH DAKOTA, U.S.A.

STECHER LITH. CO. ROCHESTER, N.Y.

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, preserve 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**.

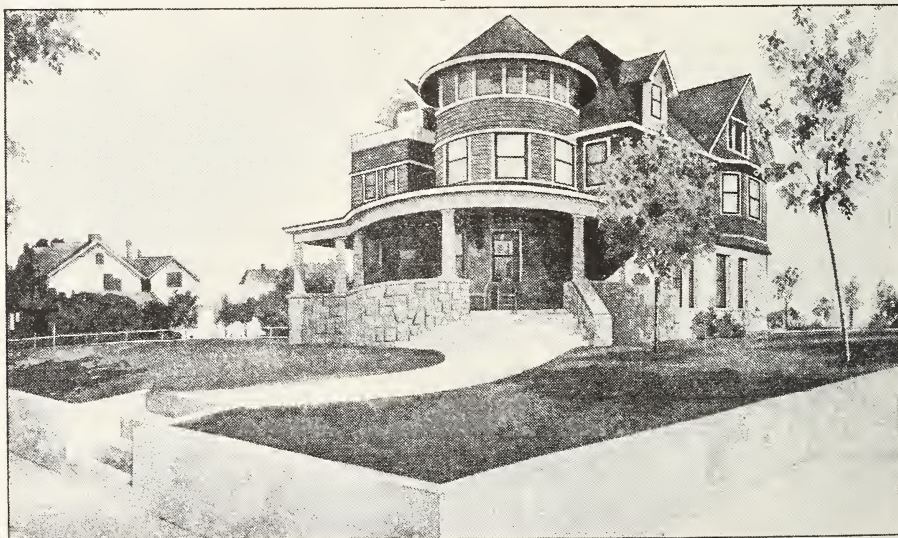
Every variety of grass in **Will's Emerald Mixture** is of the choicest and highest grade. This is the only lawn grass seed we offer.

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 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, 5 lbs. \$1.25, 10 lbs. \$2.25, 20 lbs. \$4.00.

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.



A Bismarck Lawn of Will's Emerald.

See Page 40 for Index.

General Directions to Customers

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

HOW TO SEND MONEY. Money can be sent safely either by Post Office Order, Bank Draft, Express or Registered Letter. If your order amounts to 50 cts. or upwards, always send by one of the above methods, at our risk and expense, make remittances payable to Oscar H. Will & Co. We will accept postage stamps for orders amounting to 50 cents or less, but prefer coin. We cannot use Canadian stamps.

SEEDS POSTPAID BY MAIL. Remember that our prices in this catalog include payment of postage by us to all post offices in the U. S. or Canada, on all vegetable and flower seed orders by the packet, ounce, or pound, except as otherwise stated. Please note carefully difference between postpaid prices and express and freight prices. Please do not remit express prices and order sent by mail as it causes a great deal of annoyance and delay in correspondence. Should purchaser desire any goods quoted by express or freight sent by parcel post add the required amount, and in so doing add sufficient to pay postage on the packing or container, which can easily be estimated. It must be borne in mind that the slightest additional fraction of a pound costs as much as a full pound. The limit in weight is fifty pounds for up to 150 miles, and twenty pounds for a greater distance. Parcel Post to Canada with a weight limit of eleven pounds takes the eighth zone rate.

SEE NEXT PAGE FOR PARCEL POST MAP AND RATES.

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. On moderate sized orders we advise express shipment rather than freight.

PACKING. No charge is made for boxes, bags or wrapping for any goods offered in this catalog.

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 notices sent.

MISTAKES. These will happen in spite of all care. Write us at once with copy of original order and order number, and mistake 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 length of time, send us a duplicate of your order, covering date of order, amount of same and form of remittance, your name and full address.

SAFE ARRIVAL OF PACKAGES. We endeavor to secure the safe arrival of packages of seeds, bulbs and plants in good condition in every case. If a package is injured or lost by mail or express we will replace it as soon as we are informed of the fact.

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 crop which may be raised from the 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 the crop, but to the extent of the amount of money paid for the seeds, if immediately advised (or seed may be returned, see below).

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

We give no warrant, express or implied, as to the description, quality, productiveness or any other matter, of any seeds, bulbs, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on the above terms, no sale is made thereof, and they must be returned at once and money will be refunded.

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

Will's Pioneer Seed House and Nursery



ZONES

Weight in Pounds	ZONES										Weight in Pounds	ZONES		
	Local	1st. Up to 50 miles	2nd. 50 to 100 miles	3rd. 150 to 300 miles	4th. 300 to 600 miles	5th. 600 to 1000 miles	6th. 1000 to 1400 miles	7th. 1400 to 1800 miles	8th. Over 1800 miles	Local		1st Up to 50 miles	2nd 50 to 150 miles	
1	\$.005	\$.005	\$.005	\$.006	\$.007	\$.008	\$.009	\$.011	\$.012		.31	.20	.35	.35
2	.06	.06	.06	.08	.11	.14	.17	.21	.24		.32	.21	.36	.36
3	.06	.07	.07	.10	.15	.20	.25	.31	.36		.33	.21	.37	.37
4	.07	.08	.08	.12	.19	.26	.33	.41	.48		.34	.22	.38	.38
5	.07	.09	.09	.14	.23	.32	.41	.51	.60		.35	.22	.39	.39
6	.08	.10	.10	.16	.27	.38	.49	.61	.72		.36	.23	.40	.40
7	.08	.11	.11	.18	.31	.44	.57	.71	.84		.37	.23	.41	.41
8	.09	.12	.12	.20	.35	.50	.65	.81	.96		.38	.24	.42	.42
9	.09	.13	.13	.22	.39	.56	.73	.91	1.08		.39	.24	.43	.43
10	.10	.14	.14	.24	.43	.62	.81	1.01	1.20		.40	.25	.44	.44
11	.10	.15	.15	.26	.47	.68	.89	1.11	1.32		.41	.25	.45	.45
12	.11	.16	.16	.28	.51	.74	.97	1.21	1.44		.42	.26	.46	.46
13	.11	.17	.17	.30	.55	.80	1.05	1.31	1.56		.43	.26	.47	.47
14	.12	.18	.18	.32	.59	.86	1.13	1.41	1.68		.44	.27	.48	.48
15	.12	.19	.19	.34	.63	.92	1.21	1.51	1.80		.45	.27	.49	.49
16	.13	.20	.20	.36	.67	.98	1.29	1.61	1.92		.46	.28	.50	.50
17	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04		.47	.28	.51	.51
18	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16		.48	.29	.52	.52
19	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28		.49	.29	.53	.53
20	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40		.50	.30	.54	.54
21	.15	.25	.25											
22	.16	.26	.26											
23	.16	.27	.27											
24	.17	.28	.28											
25	.17	.29	.29											
26	.18	.30	.30											
27	.18	.31	.31											
28	.19	.32	.32											
29	.19	.33	.33											
30	.20	.34	.34											

The above table does not apply to goods in this catalog priced POSTPAID.

For goods priced by express or freight, if desired sent by parcel post add amounts according to above table and do not neglect to include weight of bag or wrapping.

SPECIAL ONION SEED PREMIUM

With each order for four pounds of onion seed (enough for one acre) we will give, at the purchaser's request, the book "Onions," by Ralph W. Jordan. This book gives the history, soil requirements, varieties, preparation of seed bed, planting the seed, culture, harvesting, storing, marketing, yield, cost of growing, and onion pests, including insects and diseases. An excellent work, which should be in the hands of everyone interested in onion growing. Price, postpaid, 50c.

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 "Country Kitchen," containing over 900 tested recipes; or "Popular Fruit Growing," or "The Farmer's Ready Reference Book." The most complete farm book ever issued. Every department of farm life is covered in detail by experts. Classified and indexed for convenient use. This book is cheap at \$1.50, not for sale at any price except as a premium as stated above. Contains 168 pages, 5¼x6¾ inches.

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 No. 1—Your own selection 18 five-cent packets, 50c, postpaid.

Special Collection No. 2—35 five-cent packets, \$1.00, postpaid.

Special School Collection No. 3—Our own selection to school children only, 20 five cent packets flower seeds, 25 cents, 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. 4, 50c Postpaid.

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

Northwestern Collection No. 5, 25c Postpaid.

1 pkt Express Cabbage	1 pkt Scarlet Turnip Radish
1 pkt Early June Sweet Corn	1 pkt Acme Tomato
1 pkt White Spine Cucumber	1 pkt Hanson Lettuce
1 pkt Dakota Globe Onion	1 pkt Phinney's Early Watermelon
1 pkt Eclipse Beet	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 Branching Asters, 10c; 1 pkt. Purity Asters, 10c; 1 pkt Dwarf Margaret Carnation, which blooms the first season from seed, 5c; 1 pkt Burbank's Crimson Eschscholtzia, 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 15c. All for 75c, postpaid.

Pioneer Indian Collection No. 7—25c Postpaid.

- 1 pkt Squaw Corn from the Assiniboine Indians of Canada, the earliest corn in the world.
- 1 pkt Indian Sweet Corn, one of the earliest and sweetest.
- 1 pkt Mandan Squash, see description elsewhere.
- 1 pkt Soft Yellow Indian Corn, which is a later type than the Squaw.
- 1 pkt Light Colored Indian Beans, grown by them for many generations.
- 1 pkt Dark Indian Beans, also grown for many years.

See Index on Page 40.

ASPARAGUS.

Spargel Asperge Sparris

One Ounce Will Sow Fifty 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; 1lb, 60c, postpaid.

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

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

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, unless otherwise noted.

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. Note that we are listing beans by weight instead of measure. One pound of beans is a little less than one pint.

The crop of beans the past year came near being a total failure, owing to late frost and excessive precipitation, hence the high prices.



IMP. GOLDEN WAX BEAN

IMPROVED GOLDEN WAX BEAN (See cut)

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 by 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; ¼ lb, 20c; ½ lb, 25c; 1lb, 45c, postpaid; 5 lbs, \$1.75 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 or baking, being of a peculiar rich flavor not found in the field beans. Pkt. 5c; ¼ lb, 20c; ½ lb, 25c; 1lb, 40c, postpaid; 5 lbs, \$1.50, by 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; ¼ lb, 20c; ½ lb, 25c; 1lb, 40c, postpaid. 5 lbs, \$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; ¼ lb, 15c; ½ lb, 20c; 1lb, 35c, postpaid. By express or freight, 5lbs, \$1.25.

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; ¼ lb, 20c; ½ lb, 25c; 1lb, 40c, postpaid. By express or freight, 5lbs, \$1.40.

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; ¼ lb, 25c; ½ lb, 40c; 1lb, 70c, postpaid. By express or freight, 5lbs, \$3.

SURE CROP STRINGLESS WAX BEAN (See cut next page)

We are offering this truly wonderful Golden Wax Bean after giving it a thorough trial on our own grounds. It is the most vigorous and productive of any of the wax sorts. It sometimes 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; ¼ lb, 25c; ½ lb, 40c; 1lb, 75c; postpaid. 5lbs, \$3.00, by express or freight.

Dwarf or Bush Lima

The "Burpee-Improved"

The pods are truly enormous in size,—borne abundantly and well filled with handsome beans which are both larger and thicker than those of the popular Burpee's Bush Lima,—and fully eight days earlier! It differs from the best strains of Burpee's Bush Lima in having uniformly much larger pods, producing more beans, while both pods and beans are not only larger in size but also considerably thicker. Pkt., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; 1 lb., \$1, postpaid.

New Wonder 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 flat shape, and fully equal in flavor the best Pole Lima. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 18c; 1 lb., 35c, postpaid.

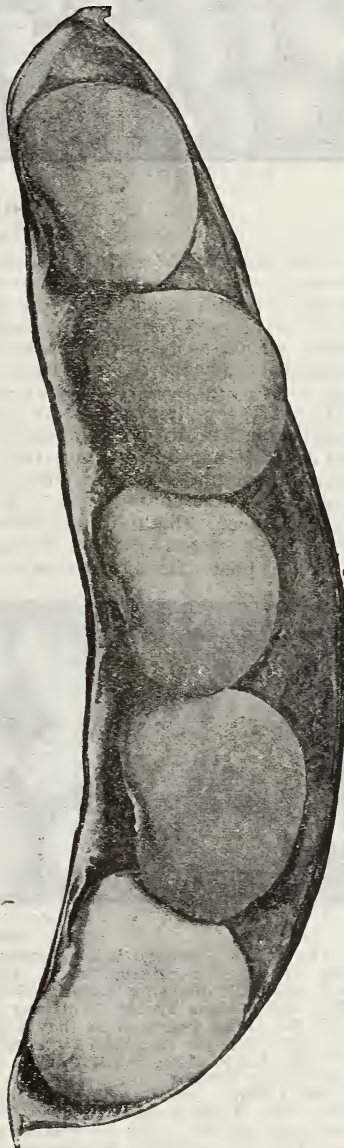
Burpees Bush Lima. About two weeks earlier than the Pole Limas and having all the excellence, this has become a standard variety in the Northwest. The bushes grow about 18 inches in height and very branching. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 18c; 1 lb., 30c, postpaid.

POLE OR RUNNING BEANS

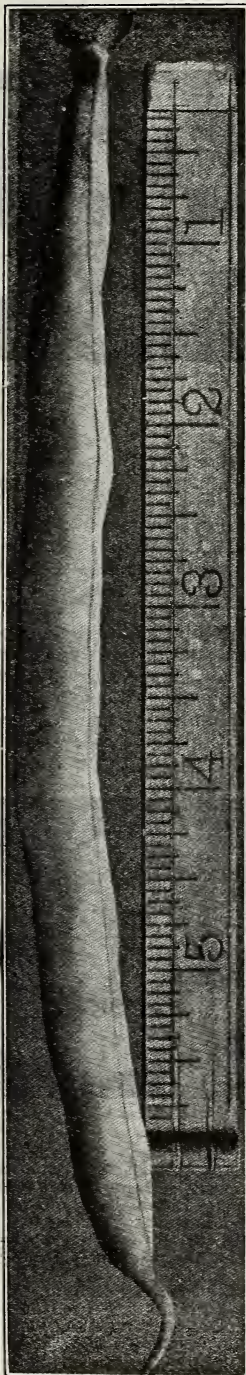
Early Golden Cluster Wax. They snap easily, are stringless and delicious. Pkt., 5c; $\frac{1}{4}$ lb., 18c; 1 lb., 30c, postpaid.

Northern Lima Earliest, hardest and most prolific of all the Pole Limas. Pkt., 5c; $\frac{1}{4}$ lb., 8c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c, postpaid.

King of the Garden Lima. Pkt., 5c; $\frac{1}{4}$ lb., 8c; $\frac{1}{2}$ lb., 15c; 1 lb., 20c, postpaid. By express or freight, 10 lbs., \$1.50.



BURPEE'S IMP. BUSH LIMA BEAN



GREEN POD STRINGLESS

Field Beans



Pilot, the Bean Ahead

The Earliest Field Bean.

This remarkable early field bean was offered by us for the first time in our 1913 catalog. It should have appeared as "Dupont Navy," but through a typographical error it appeared as "Pierpont Navy."

We have now changed the name with the consent of the originator to Pilot, The Bean Ahead, as it surely is ahead of all other field beans. Mr. Wm. H. Dupont of Minnesota discovered this bean among his Golden Wax garden beans, it being a sport from that variety, and we purchased our first stock seed from him.

It may seem improbable to many that the Golden Wax garden bean should produce a small white podded bean just as early, and the writer might have been skeptical were it not for the fact that he discovered some years ago a pod of a similar white bean on the same stalk with Golden Wax, which he planted the following year, but unfortunately it was destroyed by a careless employee. We consider the Pilot a most valuable acquisition to our field crops, particularly in the Northwest where our season between killing frosts is short. Packet, 5c; $\frac{1}{4}$ lb, 15c; $\frac{1}{2}$ lb, 25c; 1 lb, 40c, postpaid; by express or freight, 1 lb, 25c; 10 lbs, \$1.25; bu., 60 lbs, \$6.



GREAT NORTHERN FIELD BEANS

The Great Northern is an exceptionally early and very productive bean which is meeting with ever increasing favor. It is a pure white, kidney shaped bean of high quality, and especially pleasing flavor. The first beans of this variety were obtained from the Ft. Berthold Indians by Mr. Will over thirty years ago, and had been raised by them at that time for many years; thus they are absolutely acclimated and adapted to our state. Pkt, 5c; $\frac{1}{4}$ lb, 10c; $\frac{1}{2}$ lb, 15c; 1 lb, 25c; postpaid. 10 lbs, \$1; bu. of 60 lbs, \$5, by express or freight.

Early Navy. Pkt, 5c; $\frac{1}{4}$ lb, 10c; $\frac{1}{2}$ lb, 15c; 1 lb, 20c, postpaid. 10 lbs, \$1; bu. 60 lbs, \$5, by express or freight.

Red Indian. This is one of the colored beans procured from the Mandan Indians, is very early and of the highest quality. This and the following, Yellow Indian, are great drought resisters and will cook at greater altitude than any other sorts. Pkt, 5c; $\frac{1}{4}$ lb, 10c; $\frac{1}{2}$ lb, 15c; 1 lb, 25c, postpaid; by express or freight, 1 lb, 20c; 10 lbs, \$1; bushel 60 lbs, \$5.

Yellow Indian. More tender and even better flavored than the Red. Pkt, 5c; $\frac{1}{4}$ lb, 15c; $\frac{1}{2}$ lb, 20c; 1 lb, 40c, postpaid; by express or freight, 10 lbs, \$1.50; bushel, \$6.

Beets and Mangel Wurzels

Salatrube Batterave Robetor

Remember that these prices are for seed prepaid by mail except as otherwise noted.

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

This is the earliest beet 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; ¼ lb, 20c; ½ lb, 35c; 1 lb, 65c, postpaid.

Eclipse. One of the best beets in cultivation, especially for market gardening. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 35c; 1 lb, 65c, postpaid.

Long Blood Red. A popular winter sort. Pkt, 5c; oz, 10c; ¼ lb, 20c; ½ lb, 30c; 1 lb, 50c, postpaid.

Edmund's Early Blood Turnip. A dark red, turnip shaped, with large top; flesh carmine red; sweet and good. Pkt, 5c; oz, 10c; ¼ lb, 15c; ½ lb, 25c; 1 lb, 45c; postpaid.

Champion White Sugar. Pkt, 5c; oz, 10c; 1 lb, 60c, postpaid.

Swiss Chard. Pkt, 5c; oz, 10c; 1 lb, 70c, postpaid.

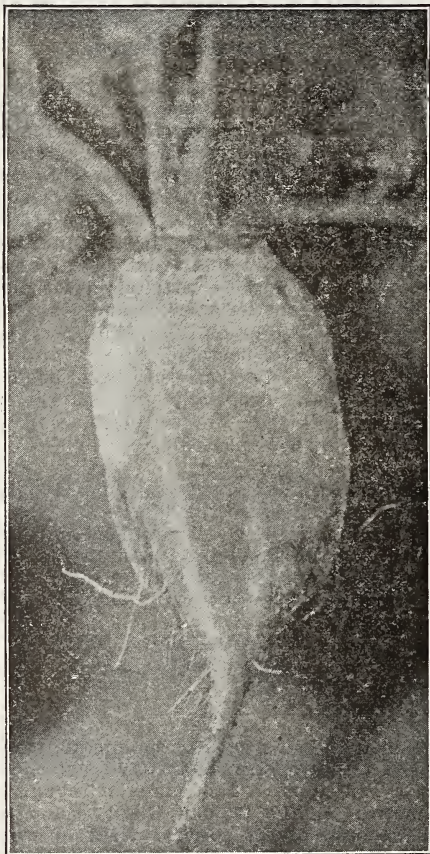
Mammoth Long Red Mangel Wurzel. A magnificent stock of mammoth mangel which cannot be equalled. The roots are of uniform size, shape and color, hard as rock throughout, and crisp and tender as an apple. This mangel, though not containing as great a percentage of saccharine as the Golden Giant, many who have grown it claim it more profitable on account of the greater yield in weight of roots. Pkt, 5c; oz, 10c; ½ lb, 20c; 1 lb, 35c, postpaid. By express or freight, 5 lbs, \$1.50.

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; ½ lb, 25c; 1 lb, 45c, postpaid. By express or freight, 5 lbs, \$1.75.

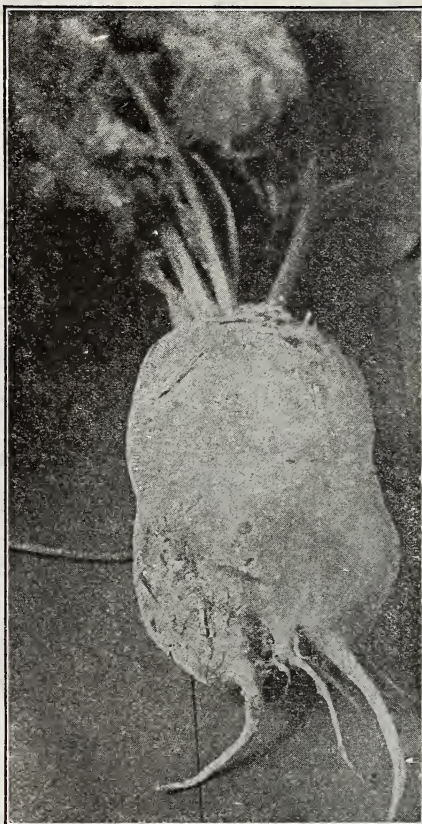
Golden Tankard Mangel Wurzel. In color it is a deep yellow throughout. It is a heavy cropper and is considered indispensable by the best dairymen. Pkt, 5c; oz, 10c; ½ lb, 25c; 1 lb, 45c, postpaid. By express or freight, 5 lbs, \$1.75.

(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; $\frac{1}{2}$ lb, 25c; 1lb, 45c, postpaid; by express or freight, 5lbs, \$1.75.



GIANT ECKENDORF MANGEL.



GIANT TAAROJE MANGEL

Giant Taaroje Barres Mangel. This cut is from photograph of roots grown on our own trial grounds. 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 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; $\frac{1}{2}$ lb, 25c; 1lb, 45c, postpaid. By express or freight, 5lbs, \$1.75.

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.

Brocoli—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

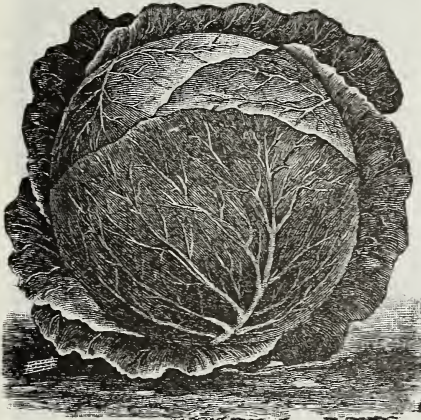
Kohl Chau Kal

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 ounce of seed will produce about 4,000 plants.

COPENHAGEN MARKET NEW EARLY CABBAGE.

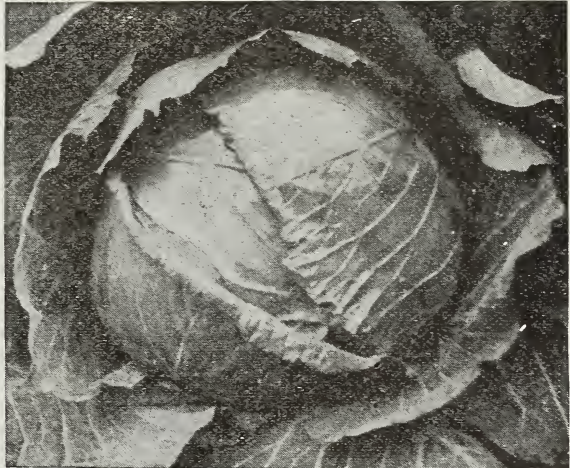
This new early Cabbage is without a rival as the finest large round head early cabbage in cultivation. The heads are perfectly ball-shaped and perfectly solid to the core, which is exceedingly small, of the finest quality and average about ten pounds in weight. The heads look so precisely alike as if 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 originators Pkt. 5c; oz. 25c; ¼lb, 75c; ½ lb., \$1.25; 1 lb., \$2.25, postpaid.

Mrs. Eva M. Beals, Pine River, Minn.:
"The seed I bought of you did better than any other seed I ever bought and we get several dollars worth every year."



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. Pkt, 5c; oz, 20c; ¼ lb, 75c; ½ lb, \$1.40; 1 lb, \$2.50, postpaid.



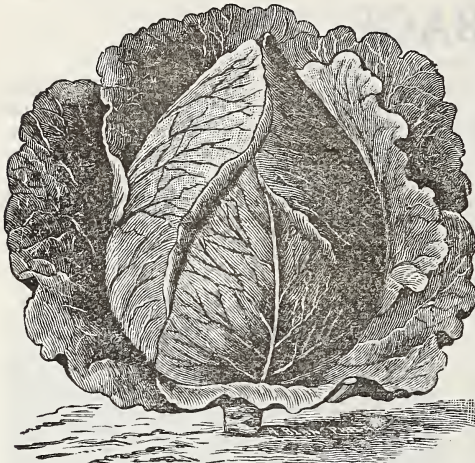
WILL'S EARLY JUNE CABBAGE

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, 15c; ¼lb, 50c; ½ lb, 90c; 1lb, \$1.75, 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; 1 lb, \$1.75, postpaid.

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

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

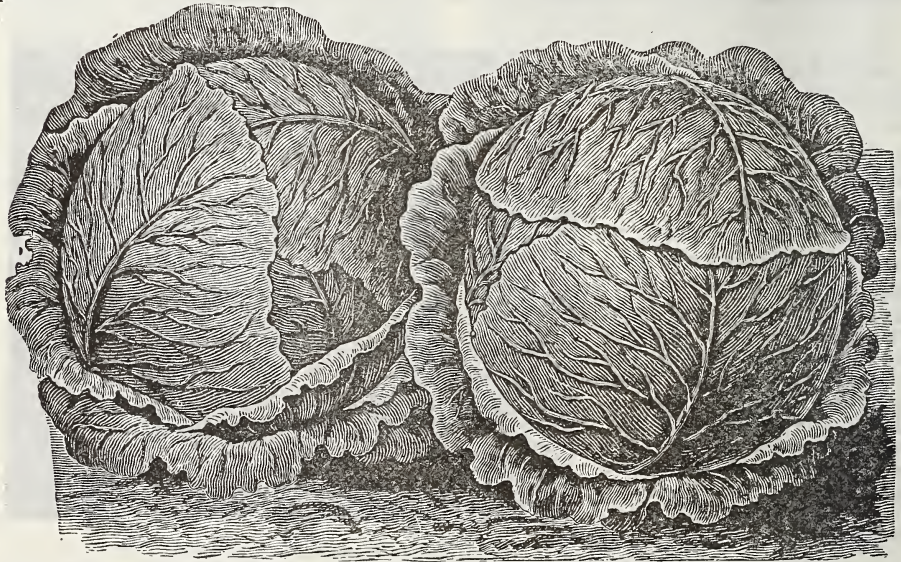


SELECTED JERSEY WAKEFIELD

blue-green. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; $\frac{1}{2}$ lb. 90c; 1 lb. \$1.75, 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 heads are remarkably uniform, very hard, firm and fine in texture, and ordinarily weigh from ten to fifteen pounds each. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; $\frac{1}{2}$ lb. 90c; 1 lb. \$1.75, postpaid.

Chinese Cabbage. (Pe-Tsai). Resembles when well grown Cos Lettuce rather than Cabbage. It is often called celery cabbage on the market. The leaves of the plant when young are crimped at the edges, of light green color. It is of distinctive flavor, very mild and pleasant. It is served as a salad like lettuce or cooked like asparagus. Pkt. 5c; oz. 25c, postpaid.



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. 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; $\frac{1}{4}$ lb. 75c; $\frac{1}{2}$ lb. \$1.35; 1 lb. \$2.50 postpaid.

Selected Jersey Wakefield. (See cut). 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, and gardeners may be assured of its good character. It frequently matures inside of 100 days from the seed. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; $\frac{1}{2}$ lb. 90c 1 lb. \$1.75, postpaid.

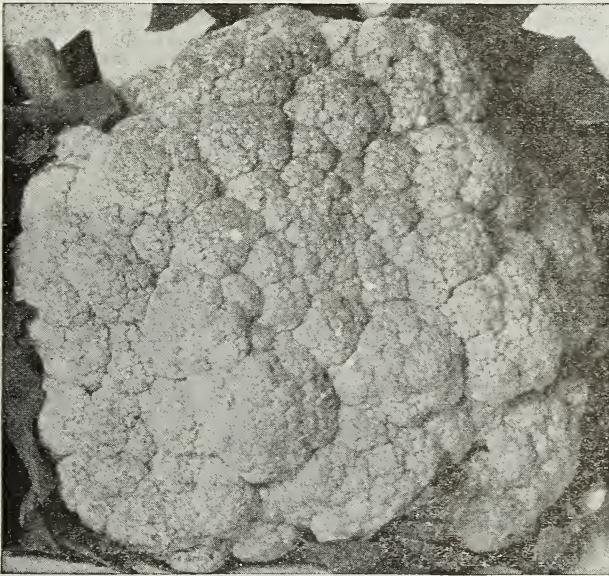
Danish Ballhead. This distinct variety is extremely hardy and solid, and superior in keeping quality. The growth is inclined to be tall—that is, the heads are formed generally on stout stalks 10 or 12 inches above the surface. There are but few outer leaves and these few curl closely around the head. These heads are round in form, almost as deep through as they are wide, and average from eight to ten inches. Color, pale

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. 75c; oz. \$1.25, postpaid.

CORN SALAD.

Large Round Leaved. Large seeded. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 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.

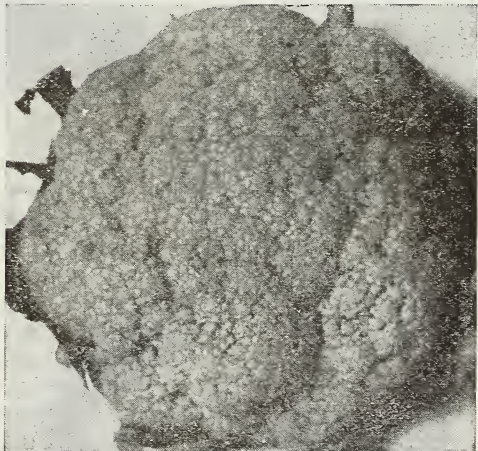
Fine Curled (Pepper Grass). Its leaves impart an agreeable and pungent taste to salads. Pkt. 5c; oz. 10c; ¼ lb. 20c, postpaid.

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.

Mrs. Fred Hanson, Grand Rapids, Wis.
"I like your seed so well that I will not get seed anywhere else."



DRY WEATHER CAULIFLOWER

L. Sampson, Cooper S. D.: "The seed I bought from you this spring gave the very best of satisfaction. I never had any finer or better; everything grew."

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; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ 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 cold, 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; $\frac{1}{4}$ lb. 50c; $\frac{1}{2}$ lb. 90c; lb. \$1.75, postpaid.

Celeriac, or Turnip Rooted. Used principally for seasoning meats and soups. Pkt. 50c; oz. 15c, postpaid.

Golden Heart Dwarf. Vigorous grower, very blanching, excellent keeper, remarkably tender, crisp, solid, rich and a delicious nutty flavor. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 70c; $\frac{1}{2}$ lb. \$1.25; lb. \$2, postpaid.



GOLDEN SELF-BLANCHING CELERY

Golden Self Blanching

Our success the past three years 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 yellowish white color as it approaches maturity, but will be more tender by having some dirt brought up to them. Pkt, 5c; oz, 25c; $\frac{1}{4}$ lb, 75c; $\frac{1}{2}$ lb, \$1.40; 1 lb, \$2.50, postpaid.



GOLDEN HEART DWARF CELERY

Carrots

Mochren Carrote Morot

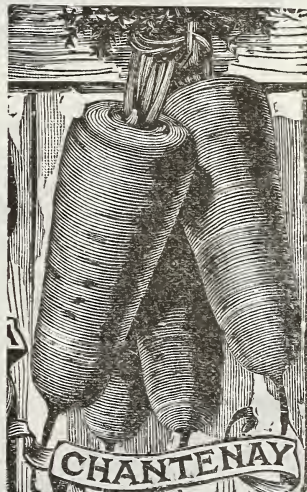
One ounce will sow 100 feet of drill; 3 to 4 pounds per acre.

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.

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, 15c; ½ lb, 25c; 1lb, 45c, postpaid. 5lbs, express or freight, \$1.60.



DANVERS HALF LONG CARROT



Improved Long Orange. One of the most desirable for either garden or field culture. It grows to a large size, fair specimens averaging twelve inches in length and three inches in diameter at the top. Pkt. 5c; oz. 10c; ¼ lb, 20c; ½ lb, 35c; 1b, 55c, postpaid. 5lbs, express or freight, \$2.

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. 10c; ¼ lb. 20c; ½ lb. 35c; 1lb. 65c, postpaid. 5lbs, express or freight, \$2.

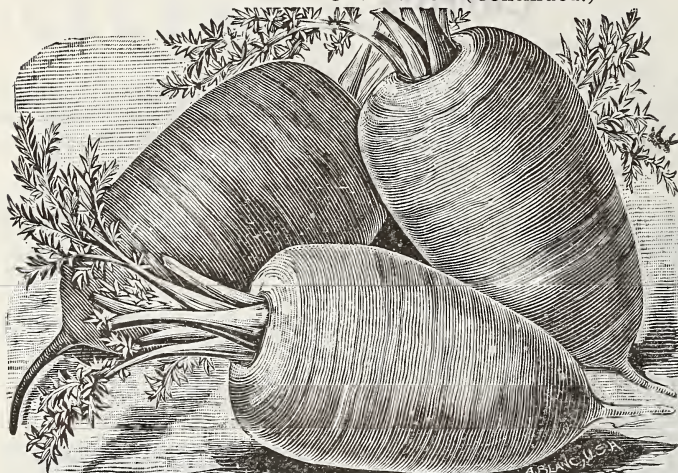
Giant White. The heaviest cropper of all carrots, grown for stock feeding where great quantity is desired. The flesh is white, solid, crisp and very sweet. Easily harvested. Pkt. 5c; oz. 10c; 1lb, 40c, postpaid. By express or freight, 5lbs, \$1.50.

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.

Foster Davies, Toledo, Wash.: "I found your seeds as recommended."

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, 10c; ¼lb, 20c; ½lb, 25c; 1 lb, 55c; postpaid 5lbs, express or freight, \$2.50.

Jud Bullis, Lacombe, Alt.: "We are very pleased with order; everything in good shape and they are fine."

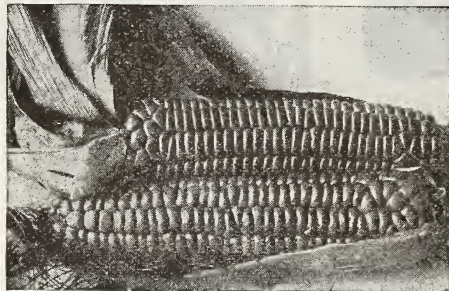
F. H. Springob, Hathaway, Mont.: "The seeds purchased from you in the past was money well invested."

Sweet or Sugar Corn

Welchorn. Mais. Socker Mais.

Prices by Packet and Pound Include Postage.

One lb to 100 hills; 15 lbs per acre. One pound of sweet corn is a little less than a pint. Culture—Plant in drills about three feet apart, one kernel every six inches, or in hill 2½ 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.



INDIAN SWEET CORN

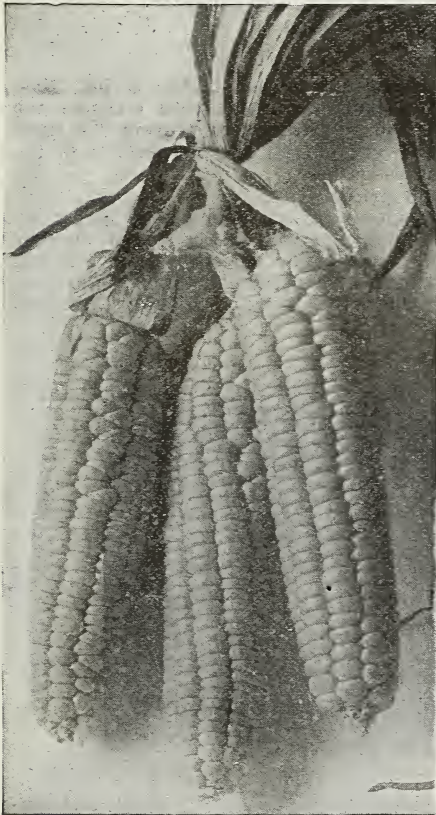
Indian Sweet Corn

This is a red, very sweet corn, the seed of which we secured from a Mandan Indian at Elbowoods, this state, 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. Pkt. 5c; ¼lb. 10c; ½lb. 15c; 1lb. 27c, postpaid. By express or freight, 10lbs, \$1.00; 50lbs, \$4.00.

EARLY DAKOTA. We claim for Early Dakota Sugar Corn that it is one of the best and sweetest varieties. 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. Pkt. 5c; ¼lb. 10c; ½lb. 15c; 1lb. 25c. postpaid 10lbs. \$1; 50lbs, \$4, by express or freight.

GOLDEN BANTAM. In season it is medium early, 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; ¼lb, 10c; ½lb, 15c; 1lb, 25c, postpaid. 10lbs, \$1; 50 lbs, \$3, express or freight.

SWEET OR SUGAR CORN—(Continued.)



EARLY JUNE SWEET CORN

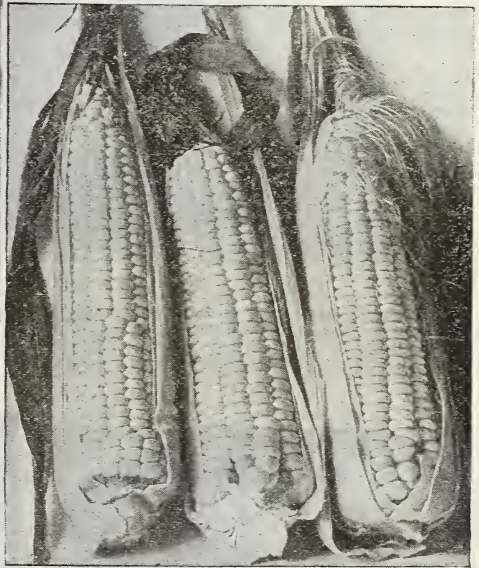
Will's Banana Cream Sweet Corn. The sweetest and most delicious sugar corn in cultivation. It is a distinct variety of a little above medium size, coming to edible condition 10 days earlier than the Evergreen, and remaining fit for table use longer than any variety we have tested, Evergreen not excepted. 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; $\frac{1}{4}$ lb, 15c; $\frac{1}{2}$ lb, 25c; 1lb, 35c, postpaid. By express or freight, 10lbs, \$1.50; 50lbs, \$5.00.

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; $\frac{1}{4}$ lb, 10c; $\frac{1}{2}$ lb, 15c; 1lb, 25c, postpaid. 10lbs, \$1.25; 50lbs, \$4, by express or freight.

WILL'S EARLY JUNE SWEET CORN

The Earliest Corn on Earth

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 $2\frac{1}{2}$ to $3\frac{1}{2}$ 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, 2c; $\frac{1}{4}$ lb, 15c; $\frac{1}{2}$ lb, 25c; 1lb, 40c, postpaid. By express or freight, 10lbs, \$1; 50lbs, \$4.



WILL'S BANANA CREAM SUGAR CORN

POPCORN

Queen's Golden. This is perhaps the handsomest of all popcorns. It pops perfectly white and a single kernel will expand to nearly an inch. Pkt, 5c; $\frac{1}{4}$ lb, 15c; $\frac{1}{2}$ lb, 25c; 1b, 45c, postpaid. 10lbs, \$1, by express or freight.

White Rice. Everybody knows the old variety named the White Rice. The grains are sharply pointed and the ear is a handsome one. Pkt, 5c; $\frac{1}{4}$ lb, 15c; $\frac{1}{2}$ lb, 25c; 1b, 40c, postpaid. 10lbs, \$1, by express or freight.

WILL'S BEST CUCUMBERS

Curken 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.

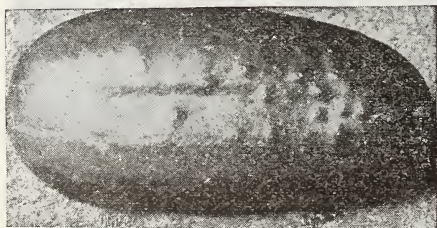
These are prepaid prices.

Davis Perfect. A grand new variety. Dark, glossy, green, slim and symmetrical, with an average length of 10 to 12 in. They hold color till nearly ripe when they turn white without a yellow streak on them. Quality fine, as seeds are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Early as earliest strain of White Spine and outyields all others. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00, postpaid.

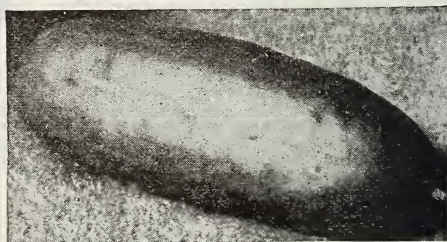


WILL'S IMPROVED LONG GREEN CUCUMBER

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. 10c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 65c; 1 lb. \$1.20, 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; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ 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; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; lb. \$1, postpaid.

CUCUMBERS—Continued

Early Fortune. An attractive new variety, becoming very popular. Early Fortune is now being largely grown by market gardeners and shippers both north and south. In color it is an attractive deep green, which it retains much longer than most other sorts. Being fine grained, its white flesh is exceedingly crisp and brittle, making it an excellent slicing sort. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c, postpaid.

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. 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 for pickling. 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 or protuberances upon which the spines are placed are very prominent, giving an attractive appearance. 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 handiest cucumbers. 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, tufted 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

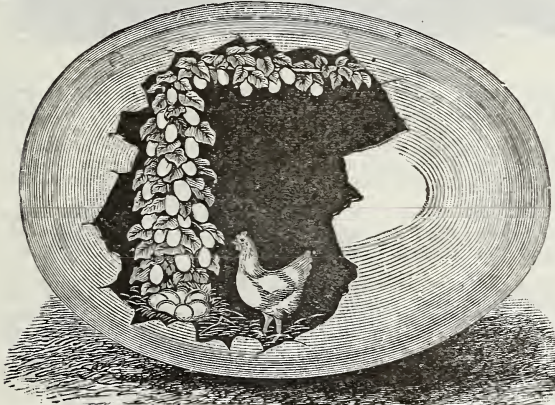
Culture—Sow the seed (which is slow to germinate) in hotbed or in pots or boxes in the house early in the spring. When all danger of frost is past, transplant in the open ground $2\frac{1}{2}$ to 3 feet apart each way.

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

KOHL-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.



NEST EGG GOURD

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.

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; 1 lb. \$1.

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; 1 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; 1 lb. 90c; 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; 1 lb. 90c, 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; 1 lb. 90c, 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; 1 lb. 90c, 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; 1 lb. 90c, 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; 1 lb. 90c, 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; 1 lb. 90c, 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; 1 lb. 90c, postpaid.

Early Sorts 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; 1 lb. 90c, 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; 1 lb. 90c, postpaid.



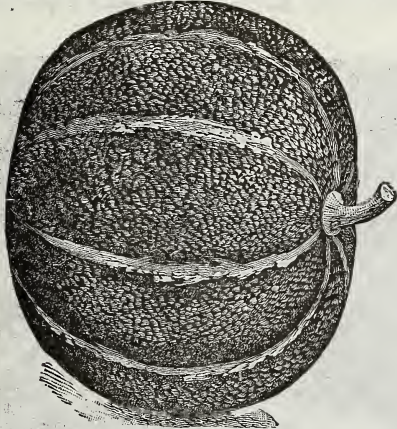
HARD HEAD LETTUCE

MUSK MELON

Cantaloup Melon Muscade Muskat Melon

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

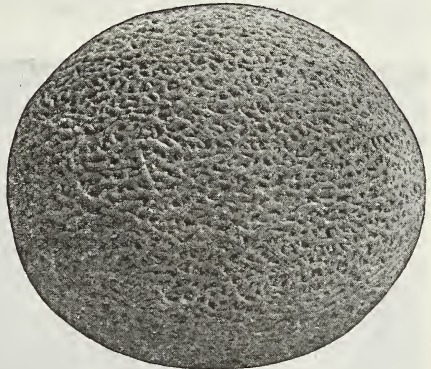
Culture—When the ground has become warm plant in hills 4 or 5 feet apart each way, 6 to 12 seeds in a hill; when danger of insects is past, pull out all but three or four of the largest plants. Cultivate thoroughly the whole season, but not to exceed two inches deep, keeping the surface as smooth as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



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. 25c; ½ lb. 45c; lb. 80c, 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. 25c; ½ lb. 45c; lb. 80c, postpaid.



GOLD LINED ROCKY FORD

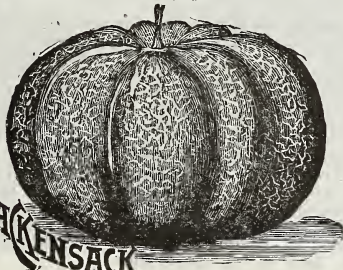
Gold Lined Rocky Ford. The shape is ideal, very slightly oval, no ribs and it is heavily netted over the entire melon. The bloom button is small and flesh as thick at the end as elsewhere. The melon is thick meated, fine grained and sweet; color green with a gold margin next to the seed cavity.

Our claim for the melon is its uniform shape, size and very superior quality. Its flesh is attractive and elicits favorable comment when served. Packet, 5c; ounce, 10c; ¼ lb, 35c; ½ lb, 65c; 1 lb, \$1. postpaid.

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. 25c; ½ lb. 45c; lb. 80c, 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.



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; 1-4 lb. 25c; ½ lb. 45c; lb. 80c, postpaid.

Perry Brazil, Caldwell, Nebr.: "We will say that we never had such good luck before both in quality and quantity of seeds."

Wm. Cooper, Porter, Mont.: "The seeds I got from you last spring done fine."

SELECTED WATERMELONS

Wassermelone Melone d' Eau Vatten Melone

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. 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; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75, 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; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 45c; lb, 75c, 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; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 45c; lb, 80c, 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; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb, 45c; lb, 75c, 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; $\frac{1}{4}$ lb, 25c; $\frac{1}{2}$ lb, 45c; lb, 75c, postpaid.

Mountain Sweet. Fruit large and oblong. Flesh red, solid and very sweet. A delicious and very desirable standard variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb, 25c; $\frac{1}{2}$ lb, 40c; lb, 75c, 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; $\frac{1}{4}$ lb, 25c; $\frac{1}{2}$ lb, 40c; lb, 75c, 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; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c; lb, \$1, postpaid.

Citron. A round, handsome fruit of small size, used in making sweetmeats and preserves. Pkt, 5c; oz. 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c; lb, \$1, postpaid.

Mrs. Nellie E. Dixon, Spokane, Wash.: "I bought your seed for the past four years; your seeds always come so well and so true to name. We are always pleased with them."

Miss Anna Dowd, Strasburger, Nebr.: "I had the finest garden around here, and I am sure you will get a great many orders from my neighbors."

Mrs. D. J. Boons, Bowbells, N. D.: "I raised over a peck of the finest kind of beans from a 5c packet of Pilot Beans. They certainly are just the thing for this climate."

Andrew Roth, Barlow, N. D.: "Your seed last year gave good results."

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.

SPECIAL ONION PREMIUM ON PAGE 2

**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, this is the best sort to sow on new breaking. Per pkt, 5c; oz, 10c; $\frac{1}{4}$ lb, 35c; $\frac{1}{2}$ lb, 65c; 1 lb, \$1.10, postpaid. By express or freight, 4 lbs, \$4.

Charlie Hassett, Winnett, Mont.: "I have used your seeds for about 15 years and have never had cause to complain. When your seeds are planted I feel that they will all make vegetables."



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, \$1.10, postpaid. By express or freight, 4 lbs, \$4.

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, 15c; $\frac{1}{4}$ lb, 50c; $\frac{1}{2}$ lb, 80c; lb, \$1.50, postpaid. 4 lbs. express or freight, \$5.

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, 50c; $\frac{1}{2}$ lb, 80c; lb, \$1.50, 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;

lb, \$1.10, postpaid. By express or freight, 4 lbs, \$4.

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, 50c; $\frac{1}{2}$ lb, 80c; lb, \$1.10, 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, \$1.10, postpaid. By express or freight, 4lbs, \$4.

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; 1lb, \$1.10, postpaid. By express or freight, 4lbs, \$4.

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, 4lbs, \$3.50.

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.

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, 20c; $\frac{1}{4}$ lb, 60c; $\frac{1}{2}$ lb, \$1; 1lb, \$1.50, postpaid. By express or freight, 4lbs, \$5.



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.

Unless definite instructions are given us, onion sets will not be sent until danger of freezing is past, therefore if sets are omitted from your order when shipment is made you will know the reason. Bottom sets, 32lbs to the bushel. Top sets, 28lbs to the bushel.

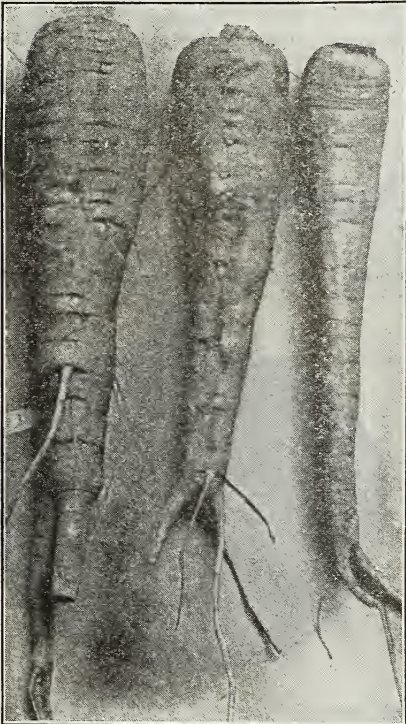
MULTIPLIERS. Especially valuable for the First Early Spring Bunch Onion. They are a pure silvery-white color which runs well up the stem, and in flavor, very mild and sweet, far superior to the green onions

from other sets. There are 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, 35c; qt, 50c, postpaid. Pt, 25c; qt, 45c; pk, \$1.70; bu, \$6, by express or freight.

Yellow Bottom or Red. Standard size, thoroughly matured and solid. Pt, 15c; qt, 25, postpaid. Qt, 20c; pk, \$1.25; ½ bu, \$2; bu, \$3.50, express or freight.

White Bottom. Standard size, thoroughly matured and solid. These sets are very choice. Pt, 20c; qt, 35c, postpaid. Qt, 30c; pk, \$1.50; ½ bu, \$2.50; bu, \$4, express or freight.

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



HOLLOW CROWN AND GUERNSEY PARSNIPS

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, 20c; ½ lb, 35c; lb, 65c, postpaid.

PARSLEY

Petersilie Persil Parsilja

Culture—Soak the seeds a few hours in luke warm water and sow early in spring in drill's 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.

Turnip Rooted. The roots instead of the tops and used for soups and flavoring meats, gives richer flavor. If cut into small pieces is a delicious vegetable. Pkt, 5c; oz, 15c, postpaid.

New XXX Parsley. The wonderful dark green color and the exquisite curliness are remarkable. 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, 25c; ¼ lb, 75, postpaid.



RUBY KING PEPPER

PEPPER

Pfeffer *Piment*

Culture—Sow the seed (which is slow to germinate) in hot bed 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. 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.

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 is immense size, it is very early and prolific; the stocky, well-branching 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

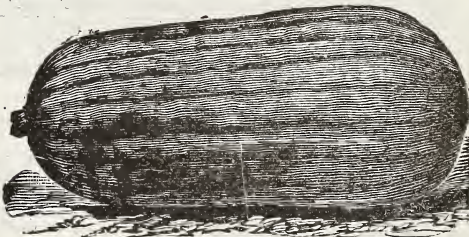
Kurbis *Curge* *Pumpa*

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, 35c; ½ lb, 65c; lb, \$1, postpaid.

Connecticut Field. Pkt. 5c; oz. 10c; ¼ lb, 25c; ½ lb, 40c; lb, 75c, 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, 30c; ½ lb, 55c; lb, \$1, 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 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.

Wm. N. Wyatt, Welliner, Mont.: "I bought \$5.00 worth of your garden seed and say I had the best luck with the seed that I have had with any seed I have ever tried."

Will's Choicest Garden Peas

Erbseu Pais Arter

Two pounds for 100 feet of drill; 2 to 3 bushels 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.

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; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 20c, postpaid. By express or freight, 10 lbs. \$1.

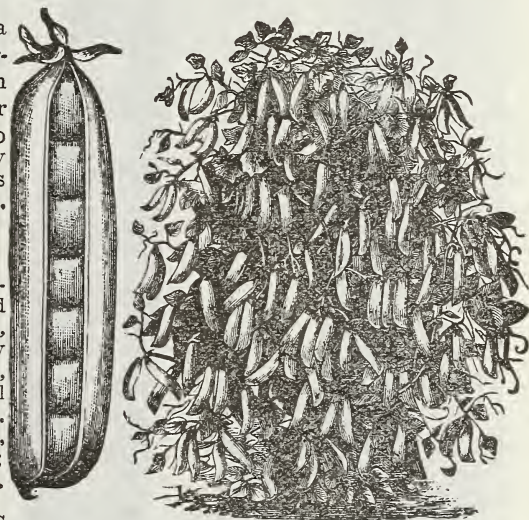
Pioneer—An exceptionally meritorious first-early dwarf, wrinkled pea. The unusually sturdy vines, 12 to 16 inches in height, carry an immense crop of very large, pointed, slightly curved pods, well filled with 8 to 9 rich green peas. Foliage dark green. Pkt. 5c; $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 25c; 1 lb. 35c, postpaid; 10 lbs. \$1.50, by express or freight.

Little Marvel—For many years Nott's Excelsior has ranked as the very best of the Dwarf Peas. In Little Marvel, however, we have a sort far superior in size, color of pods and quantity and quality of peas furnished. The pods are of a rich dark green color filled to the ends with large peas of fine flavor. The vines are strong and robust, 18 inches in height, heavily set with pods, often produced in pairs. Pkt. 5c; $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 25c; 1 lb. 35c, postpaid. 10 lbs. \$1.50, by express or freight.

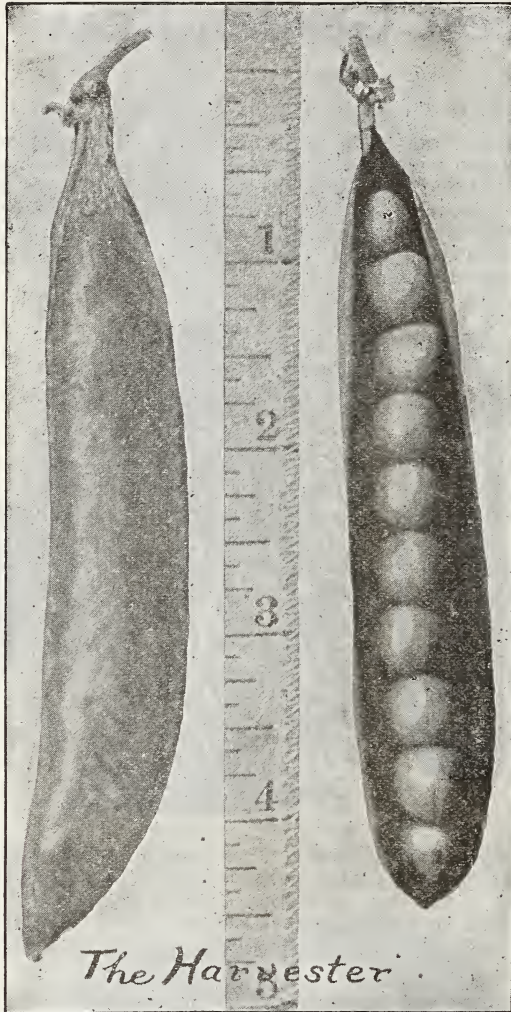
McLean's Little Gem—A great favorite and largely used by market gardeners, as the large, handsome, well-filled pods containing peas of finest quality for table use, are borne at top of stalk and are easily gathered. Very vigorous in growth. Height, one foot, seed green, very much wrinkled. About ten days earlier than Nott's Excelsior. Our strain is remarkably pure and desirable. Very popular in some sections with canners. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 20c, postpaid. 10 lbs. \$1, 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. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c, postpaid. By express or freight, 10 lbs. \$1.25.

Yorkshire Hero—Unsurpassed for sweetness and delicious flavor. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 20c, postpaid. 10 lbs. \$1, by express or freight.



WILL'S FIRST OF ALL PEAS



The Harvester (see cut)—The originator of The Harvester shows a long list of most flattering testimonials which lack of space prevents printing here. Strong grower, eighteen inches high, a double podded pea, bearing at the top of the vine, and pods are very large, containing from six to ten peas. Pods and vine dark green in color, and the vine exceptionally sturdy, having six to twelve pods to the plant. The heaviest cropper ever produced and most delicious flavor. Packet, 5c; $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 25c; 1 lb. 40c, postpaid. 5 lbs. \$1, by wrinkled. The pods are large.

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. 700 pods have been counted on a single vine. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 20c, postpaid. 10 lbs. \$1.20, by express or freight.

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; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 20c, postpaid. By express or freight, 10 lbs. \$1.

J. A. Stewart, Dupree, S. D.:
"We sent for onion seed last year and they done fine."
F. C. Roberts, Dubois, Idaho:
"The seeds that came from you done well here last year."

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 earlies. 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 time after the first pods are ready, we consider it one of the most desirable for the family garden. Pkt. 5c; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c, postpaid. 10 lbs. \$1.20, 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; $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 20c, postpaid. 10 lbs. \$1.00, by express or freight.

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; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 35c; lb. 65c, 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 CARMINE RADISH

of its distinct beauty, earliness and good quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 55c; lb. \$1, postpaid.

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. 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; $\frac{1}{4}$ lb. 35c; 1 lb. 90c, postpaid.

French Breakfast—Quick growth, very mild and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 35c; 1 lb. 60c, postpaid.



TRIUMPH RADISH

Fire Ball Radish. Quick growth is one of the main essentials for a crisp and tender radish, and with loose soil and proper culture the Fire Ball is ready for the table in twenty days from the time of sowing the seed, which makes it one of the most desirable sorts ever offered for either forcing or out-door culture. It is of round or turnip shape as shown in our illustration, of bright scarlet color and pure white flesh, which is tender, crisp and of the very best flavor. It has few and short leaves, which admits of very close growing. Very desirable for the home garden and a money maker for the market gardener. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c, postpaid.



FIRE BALL RADISH

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; $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 55c; lb. \$1, postpaid.

Radishes Continued

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. The roots are oblong or oval in form. The skin is very thin and light brown. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 55c; 1 lb. \$1, postpaid.

Mixed Radish Seed—This is a mixture of many sorts and is really quite a satisfactory way of seeding, as the earliest sorts can be taken out first, leaving room for later sorts to develop. Sold by the pound on y, 40c, postpaid.

Scarlet Turnip—Excellent for summer use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 35c; 1 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; $\frac{1}{4}$ lb. 25c; 1 lb. 75c, 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; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 40c; 1 lb. 65c, 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; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 35c; 1 lb. 60c, postpaid.

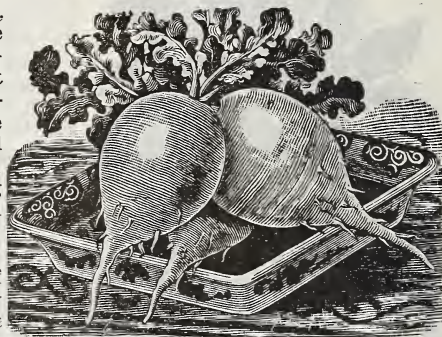
White Strasburg. One of the quickest growers of all radishes. Both skin and flesh pure white. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 25c; 1 lb. 45c, postpaid.

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; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 35c; 1 lb. 60c, postpaid.

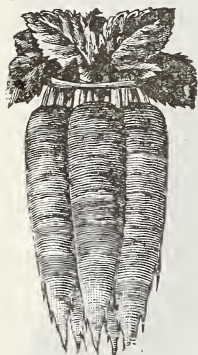
Long Scarlet Short Top. The standard variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c, postpaid.

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; $\frac{1}{4}$ lb. 30c; 1 lb. \$1, postpaid.

China Rose Winter. The best winter radish in cultivation. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1, postpaid.



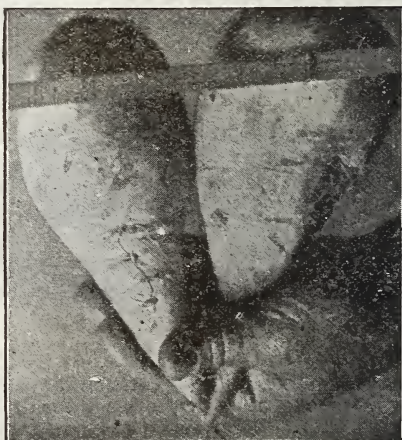
BURPEE'S SURPRISE RADISH



CHARTIER 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 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; $\frac{1}{4}$ lb. 20c; 1 lb. 65c, postpaid.

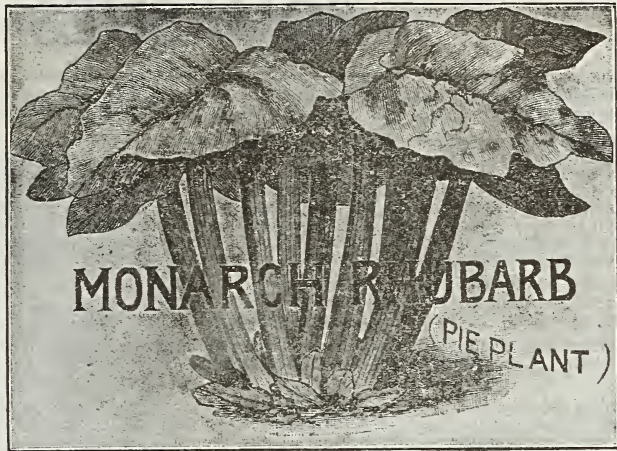


WILL'S ALL-THE-TIME RADISH

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; $\frac{1}{4}$ lb. 75c; lb. \$2.50; postpaid. For roots see page 78.



SPINACH

Spinat Espinard

One ounce for 100 feet of drill.

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; $\frac{1}{4}$ 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; $\frac{1}{4}$ lb. 20c; lb. 45c, postpaid.

One ounce to 100 feet of drill.



SANDWICH ISLAND SALSIFY

SALSIFY

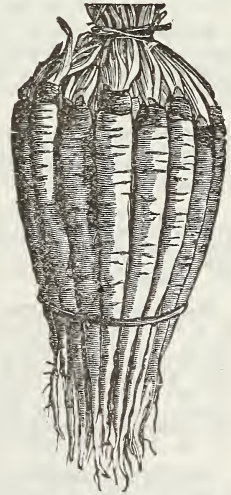
Haferwurzeln Salsifis

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; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 45c; lb. 80c, 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; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 45c; 1 lb. 80c; postpaid.



LONG WHITE SALSIFY

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 1st. The flesh is nearly white and of excellent quality, particularly fine for frying. Per Pkt, 10c; oz, 25c, postpaid.

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; ¼ lb. 20c; ½ lb. 35c; lb. 65c, 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; ¼ lb. 20c; ½ lb. 35c; lb. 65c, 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; ¼ lb. 35c; ½ lb. 65c; lb. \$1, postpaid.

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, 10c; oz, 20c; ¼lb, 50c; ½lb, 90c; lb, \$1.75, 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; ¼ lb, 35c; ½ lb, 60c; 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; ¼ lb. 35c; ½ 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; ¼ lb. 35c; ½ 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; ¼ lb. 25c; ½ 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; ¼ lb. 25c; ½ 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, 25c; ¼lb, 60c; lb, \$2.00, postpaid.

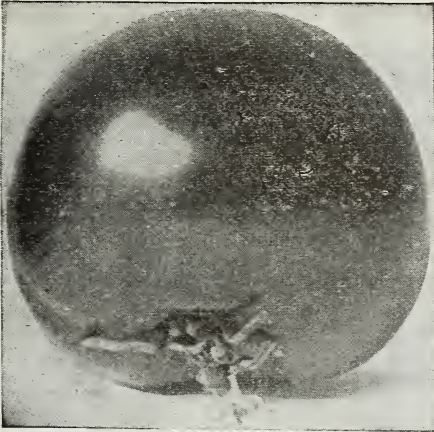
New Red or Golden Hubbard. A sport from the old standard of excellence, the Hubbard A perfect type of its parent except in color, which is a bright orange red. Pkt, 5c; oz, 10c; ¼ lb. 30c; ½ lb. 50c; lb. 90c, postpaid.



IMPROVED HUBBARD

WILL'S BEST TOMATOES*Liebesapel* Tomato

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 TOMATO

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. Pkt. 5c; oz. 30c; ¼ lb. \$1; 1 lb. \$3, postpaid.

Burpee's "Dwarf-Giant"—This is much the largest fruited of all dwarf Tomatoes! The fruits are truly gigantic in size, and are uniformly large throughout the season. They are produced in clusters of four to six and weigh from ten to twenty ounces each. The color is a rich purple crimson and the depth of color is maintained throughout the entire fruit. Pkt. 10c; 3 pkts. 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; ¼ 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 2½ 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; ¼ 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; ¼ 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; ¼ lb. 50c; ½ lb. 80c, postpaid.

Golden Queen. A beautiful tomato. The best of the yellow sorts. Pkt. 5c; oz. 20c; ¼ 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; ¼ lb. 50c; ½ lb. 75c, 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; ¼ lb. 75c; 1 lb. \$2.50, postpaid.

Mr. E. A. Laipple, Antrim, Mont.: "Two years ago I bought two dozen apple trees of you, and every one of these trees grew just fine."

Miss Maude Inskeep, Valletown, Mont.: "I am sure pleased and delighted over my trees."

TOMATOES—(Continued).

Early Minnesota. This fruit is large, smooth and solid. It not only produces very best 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.



STRAWBERRY OR GROUND CHERRY

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.

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.

Strawberry or Ground Cherry. Also called "Husk Tomato" and "Winter Strawberry." Unequaled 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 sell's well in the market. Pkt. 5c; oz. 50c, postpaid.

Will's Best Turnips and Rutabagas

*Steckrube**Nacet**Rofna*

Remember that these prices are for seed prepaid by mail.

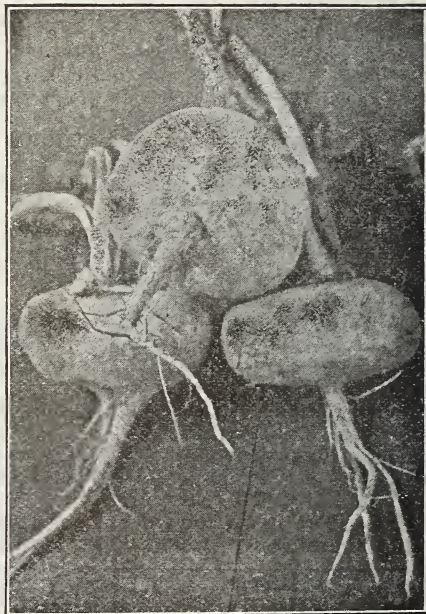
Culture—sow any time from early spring until July, either broadcast or in drills two and one-half feet apart, thinning out to about five or six inches apart in the row.

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; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; lb. 65c, postpaid.

Yellow Aberdeen. Of round form, yellow flesh, fine texture, nutritious and a good keeper. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ 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; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ 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; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 30c; lb. 50c, postpaid.



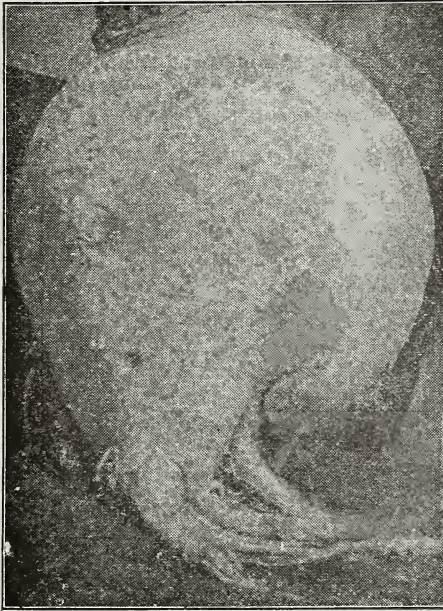
WHITE MODEL TURNIPS

TURNIPS AND RUTABAGAS—Continued.

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; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; 1 lb. 60c, postpaid.

Purple Top Strap Leaf. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 30c; lb. 50c, postpaid.

Early Flat Dutch. An early garden variety resembling white strap leaf. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 30c; lb. 50c, postpaid.



PAJBJERG-BANGHOLM RUTABAGA

Pajbjerg-Bangholm Rutabaga

This we are introducing from Denmark after thorough trials on our own grounds which have proven it 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 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. 10c; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 45c; lb. 85c, 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; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 35c; lb. 65c, 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; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 35c; lb. 65c, 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; $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 35c; lb. 65c, postpaid.

White Russian. Similar to the above except in color. Preferred by some. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 25c; lb. 45c, postpaid.

Tobacco

Comstock Spanish. This is the leading variety in the Northwest, having been grown in Wisconsin for many years, and is always in great demand on account of its large, perfect leaf, which is valued for wrappers. Per pkt. 15c; oz. 50c, postpaid.

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, Caraway, Coriander, Dill, Dandelion, Horehound, Hyssop, Lavendar, Mustard, Rosemary, Fennel, Sweet Marjoram, Thyme, Saffron, Sage, Summer Savory, Catnip and Wormwood. Pkt. 5c.

Potatoes



THE GREAT IDAHO POTATO

The Idaho

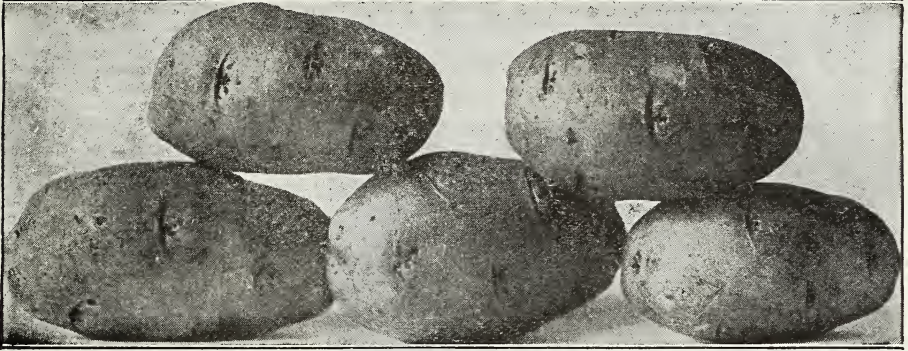
This is the earliest potato ever produced, being at least one week earlier than the Six Weeks and having many points of superiority over that variety, some of which are smoothness, shallowness and scarcity of eyes, and productiveness.

This potato, where it originated and is grown almost exclusively, is called the Basket Potato, for the peculiarity of its bearing a crop of tubers in a bunch like a basket full. While still very new the tubers cook dry and mealy, different from other sorts at the same stage of growth. It is not only the earliest of all potatoes, but it is also one of the very best keepers. Lb. 20c; 100 eyes, 65c, postpaid. By express or freight, pk. 60c; ½ bu, \$1; bu, \$1.50; 10 bu, \$14.

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. Early Ohio and White Swan, price per 100 eyes, 50c; Idaho, per 100, 65c, postpaid.

POTATOES—Continued



EXTRA EARLY OHIO POTATOES FROM PHOTOGRAPH

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. Always keep firm until late in the spring. Lb, 20c, postpaid. Pk, 40c; $\frac{1}{2}$ bu, 75c; bu, \$1.00, by express or freight.



WHITE SWAN POTATO, BEST MAIN CROP

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; $\frac{1}{2}$ bu, 75c; bu, \$1.00.

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, 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.



PURITY ASTER



DAYBREAK ASTER

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 are 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 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.

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.

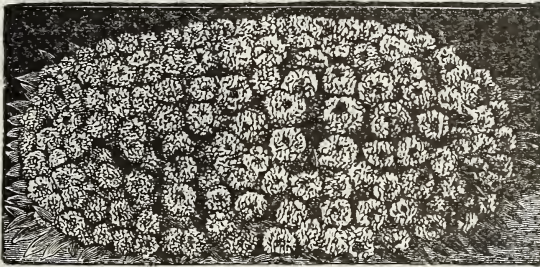
Dwarf Boquet Aster. Plants 8 to 12 inches high, producing large double flowers resembling Chrysanthemums and valuable on account of profuse late flowering. Pkt. 5c.

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. 10c.



PAEONY-FLOWERED ASTER

New Giant Snapdragon. (Antirrhinum). 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.



SWEET ALYSSUM

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 membraneous 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.

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



CAMELIA FLOWERED BALSAMS

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; oz. 15c.



DWARF MARGARET CARNATION

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. 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. 5c.

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.

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." Pkt. 5c.



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 colors. All colors mixed. Pkt. 5c.

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. (See cut next page.)



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. 15c.

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. 5c. Double Dahlias all colors mixed. Pkt. 10c.

Cactus Dahlias. All colors, pkt. 5c.

DIGITALIS. (Foxglove). The Foxgloves, old-fashioned, dignified and stately, are wholesome company in any garden. The strong flowerstalks—frequently 4 to 6 feet high—rising from rich and luxuriant masses of leaves, always give an appearance of strength to the hardy border, and during their period of flowering dominate the whole garden. All colors, mixed. Pkt. 5c.

DELPHINIUM. Thrives in any good garden soil, but for the best results special care should be given. Work the soil deep, with plenty of fine manure mixed in. Each plant should have plenty of room. Finest mixed. Pkt. 5c.

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 back-grounds. Pkt. 5c.

Hardy annuals about a

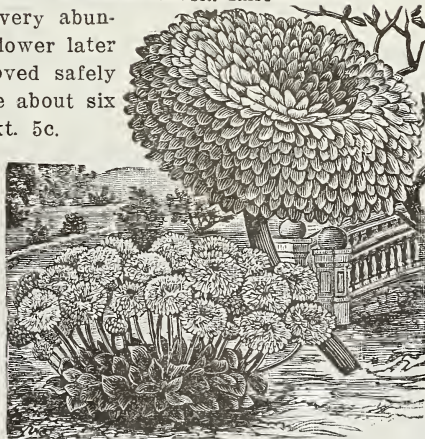


DIANTHUS

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.



SHASTA DAISY



DOUBLE DAISY



BURBANK'S ESCHSCHOLTZIA

pots until the weather is quite warm, when they may be planted out in the flower bed for summer blooming. They will come into bloom more quickly if planted in light sandy soil. Mixed, single, Pkt, 10c.

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

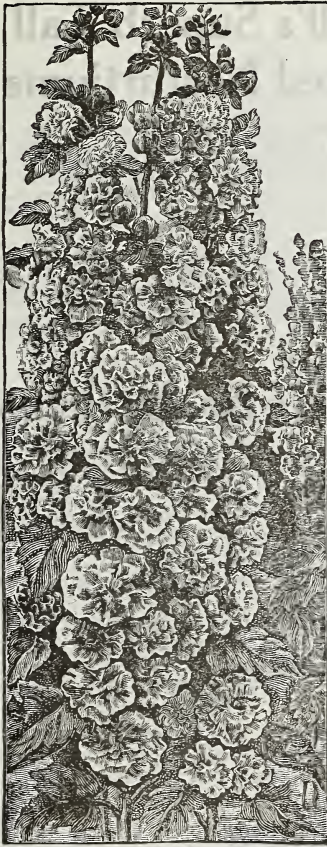
These succeed best in cool, moist soils, blooming most freely during the spring and fall months. Most varieties bloom freely the first season, and still more profusely the second spring. Pkt, 5c.

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

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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.

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 out, and are as easily grown as verbenas. Pkt. 5c.



HELIOTROPE

ICE PLANT.

A handsome and curious plant; for rock-work, hanging baskets and vases. Pkt. 5c.



MIGNONETTE (MACHET)

LARKSPUR

This is one of the best known garden flowers. A vast improvement has been effected, by careful selection and attentive cultivation, in size and color of the blossoms and the general habit of the plant. Hardy annuals. Finest mixed, pkt. 10c.

MIGNONETTE

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

MARIGOLD, The Eldorado.

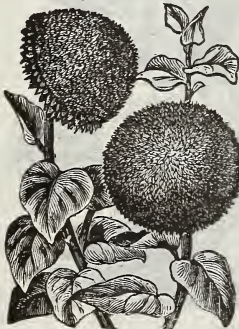
The flowers are from three to four inches in diameter, imbricated and perfectly double. They embrace four shades of color—the lightest, primrose, lemon, golden yellow and deep orange. Pkt. 5c.

Marigold, French Mixed. A class of showy and extremely effective plants with fine double flowers of rich and beautiful colors. 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



MARIGOLD ELDERADO

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, postpaid.

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 plants 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

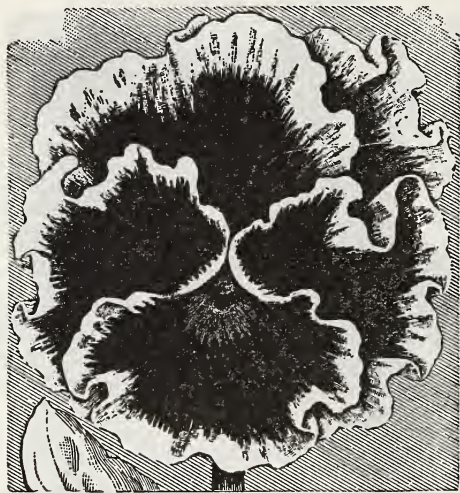
We have spared neither care nor expense in our efforts to make Royal Show strain of pansies the very best in cultivation and we believe we have succeeded. This mixture is made up from the best and choicest varieties grown by specialists in all parts of the world. The diversity of markings and colorings is simply wonderful and we think we've 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.

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 like pansies and can appreciate quality in color, shape, size and substance, in fact everything that makes a perfect pansy. Pkt. 5c.

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. 15c.

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.



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. 15c; 3 pkts. 40c.

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 shades as well as the flesh, orange, rose, pink and lilac. Pkt. 10c.

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

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.

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 DRUMMONDII GRANDIFLORA

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.

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.

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.



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.

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

The Choicest of All Sweet Peas

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:

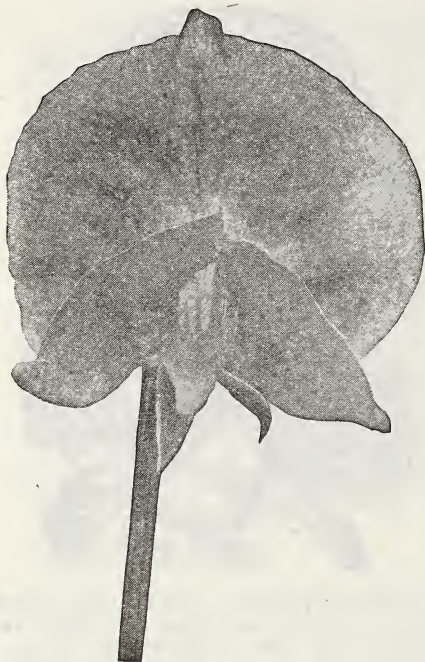
Wedgwood produces profusely flowers of good size, borne almost uniformly in four-flowered sprays, well placed upon long stout stems. Of finest Spencer form, the standard and wings are well waved. It is a color that has been long wanted and for which we anticipate an eager demand. Like most true Spencers, while blooming most abundantly, many of the flowers drop without setting any seed-pods. Consequently the "Seed in Sight" will hardly be sufficient to meet the expected demand. Wedgwood was awarded Certificate of Merit by The Pennsylvania Horticultural Society at the Sweet Pea Show, Philadelphia, June 26, 1913. Per pkt. 15c.



Verbena Hybrid. Extra fine, mixed from a superb collection of named varieties. As now perfected this is one of the best strains of Verbena Hybrid 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.



WEDGWOOD



ILLUMINATOR

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 bluish-crimson. 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.

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.

Illuminator. A strong vigorous growth and blooms most profusely. "The flowers, well placed upon long, stout stems, are uniformly of great substance, the standard being bold, expanded and attractively waved. A glowing orange-scarlet,"—is the nearest approach we can make to its unusually attractive appearance under artificial light. Awarded Certificate of Merit by The Pennsylvania Horticultural Society, Philadelphia, June 26, 1913.

Illuminator is of such a distinct and telling new color that it is sure to be eagerly sought for by Sweet Pea lovers throughout the world, and our one regret is that the supply of seed is so limited that we fear we shall have to report "sold out" long before the spring planting season arrives. 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.

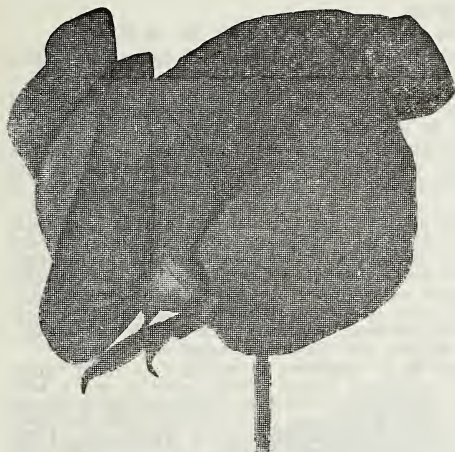
Mrs. Sankey. Spencer. Best pure white. Per pkt. 10c.

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



IRISH BELL

Irish Belle, or "Dream." Spencer. A superbly beautiful variety that shows quite a new shade in Sweet Peas. The coloring is uniform in Loth 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. Per packet, 10c.



A SINGLE FLOWER OF "FIERY CROSS"

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 uniform of the true Spencer type, being well waved in both standard and wings. See cut herewith engraved from a photograph. Per pkt, 10c.

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.

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.

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 standard are very large, and its graceful form, together with the immense size, make it by far the most attractive variety in existence. There are five or six distinct 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, ovid shade, orange pink, white with light pink edging. We certainly think highly of the various shades which this mixture contains. Pkt, 10c; oz, 30c; ¼ lb, \$1, postpaid.

"FIERY CROSS"

"Fiery Cross" is a most appropriate name for a most unusual novelty. During the seventeenth and eighteenth centuries, when Scotland was continually at war, the method employed by the chiefs to gather the clans to repel invaders was by means of a fiery cross, which was taken from hamlet to hamlet by the speediest man available. The fiery cross was simply a blazing pine branch.

"Fiery Cross" has all the appearance of live fire, the color being a scorching fire-red, or scarlet, without any shading, and which scintillates and glitters in bright sunlight, thus adding a glowing, fire-like sheen which radiates over the flower. Unlike most of the orange-scarlet varieties, it does not scorch or burn even during extended periods of intense sunshine, therefore it can be grown in all soils without shading. The beautifully waved and fluted flowers are borne freely in threes and fours, well placed on long stout stems. Per pkt of 10 seeds, 25c.



PEARL GRAY SPENCER

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, 15c; ¼ lb, 25c; ½ lb, 40c; 1 lb, 75c, postpaid.

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 parcel post rate.

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.

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 parcel post rate.

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 parcel post rate.

Ottwell's Tree Paint. The winter paint applied according to directions, will prevent destruction of trees and shrubs by rabbits, mice, etc. Summer paint kills aphids, bark lice, borers, etc., and prevents sun scald. Write for booklet. Package, 80c and \$1.50, by express or freight. Small package makes half gallon, and large package one gallon.

Bug Death. A fine non-poisonous powder and in its composition is peculiar to itself, inasmuch as it does not depend upon arsenic for its killing power. Bug death is not a new and untried preparation. It has been on the market fifteen years, and its sales have shown a large increase each year. Bug death is safe and sure to use on potatoes, tomatoes, currants, gooseberries, cucumbers, melons, egg plants, and garden truck generally. (Full directions on each package.) Practical tests have always shown that the increased yield more than paid the entire expense. Bug Death prevents blight, increases yield and improves quality. It can be used dry or in a spray. Apply at the rate of about twelve pounds per acre. Prices, 1 lb. package, 15c; 3 lb. package, 35c; 5 lb. package, 50c; 12 1-2 lb. package, \$1.00; 100 lb. keg, \$7.50, by express or freight at purchaser's expense.

Dicky Duster. A very convenient and practical implement for applying Bug Death and other powders to plants. Each, 35c, postpaid.

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 only permitted to be sold for agricultural purposes, in original packages. Price, ¼ lb. box, 10c; ½ lb. box, 15c; 1 lb. box, 25c; 10 lb. lots at 23c. By mail add parcel post rate. Write for special prices on large lots.

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.

Helbore. 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.

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; lb, 40c; 5 lbs, \$1.75; gal, \$2.75; 5 gals, \$11.50. Directions for use with every package.

FARMOGERM—What Farmogerm Will Do

Unless the soil is very acid or wet, Farmogerm will:
 1. Increase the yield and quality of legume crops, giving quicker growth and earlier maturity.
 2. Increase the food value of legumes.
 3. Make legumes grow in new localities where they cannot otherwise be grown successfully.
 4. Supply nitrates to other crops growing with the inoculated legume crop.
 5. Enrich the soil for future crops, thereby increasing the permanent value of the farm.
 Better crops—better soil—less fertilizer—less labor.

Regular or Farm size	5 acres	\$9.00
Farm Trial size1 acre	2.00
Garden size	¼ acre	.50

For alfalfa the above estimates of cost are based on inoculating 20 pounds of seed per acre. In North Dakota and other western states where a smaller amount of seed is sown per acre the expense will be proportionately less. For example, a one-acre-size bottle will inoculate 20 pounds of seed, whether it is sown on one, two or four acres. If on two acres the cost would be about one dollar per acre.

POULTRY SUPPLIES, ETC.

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. \$1; 100 lbs. \$1.50.
Cracked Corn and Ground Feed. 100 lb. sack, \$1.65.
Alfalfa Meal. 10 lbs. 50c; 50 lbs. \$1.35; 100 lbs. \$2.50.
Sunflower, Hemp and Canary Seed. Lb, 15c. By mail add parcel post rate.
Crushed Oyster Shells. Per lb. 5c; 10 lbs. 30c; 25 lbs. 50c; 100 lbs. \$1.
Mica Crystal Grit. 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.
Champion Leg Bands. 15c per doz, postpaid.
Incubators and Supplies. Send for catalog and prices.

Don't Sell the Young Calf



BLATCHFORD'S CALF MEAL
Will Raise It Without Milk

There's big money and little trouble for you in raising your calf the Blatchford way.
 You can save all the milk of the cow for market. As soon as the mother cow's milk is ready to sell, the calf is ready for

Blatchford's Calf Meal
 —For over a century the Recognized Milk Food for Calves, at One-Fourth the Cost of Milk

Composed of eleven different ingredients carefully apportioned and thoroughly cooked, producing a scientifically balanced ration for the young calf. Successfully used on thousands of American farms for over thirty years.

The Only Milk Equal Made in an Exclusive Calf Meal Factory. Unlike any of the So-Called Calf Meals Made of Raw Cereal By-Products.

Blatchford's Pig Meal insures rapid, sturdy growth of young pigs. Write us about it.
 Write for Free Illustrated Book on "How to Raise Calves Cheaply and Successfully Without Milk."

25lb, bag, \$1; 50lb bag, \$1.75; 100lb. bag, \$3.25.
 Blatchford's Pig Meal, 25lbs, \$1.00; 50 lbs, \$1.75; 100lbs, \$3.25.
 Blatchford's Milk Mash, 25lbs, 80c.
 Blatchford's Egg Mash, 25lbs, 85c.
 Send for booklet.

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.

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 Brass.....\$3.25
- "Brandt Daisy" Sprayer, Galvanized tank.....\$.75 Brass.....\$1.00
- "Misty," tin\$.50 "Rapid" galv'z'd t'k, double tubes.\$.65
- Double Nozzles, brass\$1.50 No. 2 Cap\$.35
- No. 4 Bordeaux Nozzle\$.75 Tree Nozzles, brass\$1.50

THE "BRANDT" SPRAYER

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 brace 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.



RUBBER GARDEN HOSE.

Imperial. A black non-kinkable hose, the best on the market, cut any length desired at 14c per foot, plus 15c for the couplings.

Sampson. (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 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 3c to 5c per foot higher. Price per 50 ft. length, with coupling, \$6.00.

Minnesota. (Black.) Four ply, nearly as strong as the above, but lighter in weight, will wear many years if handled carefully; 50 ft. length with coupling, \$5.

Hose couplings, 3/4 in, 10c; doz. \$1.

Hose mender, 3/4 in, 5c; doz. 35c.

Hose clamps, double, 3/4 in, 5c; doz. 50c.

Hose washers, doz. 10c.

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. Indispensable for floral work window gardening and sprinkling clothes. Price, medium, 85c; small, 65c, postpaid.

THE BACON DRILLS AND CULTIVATORS

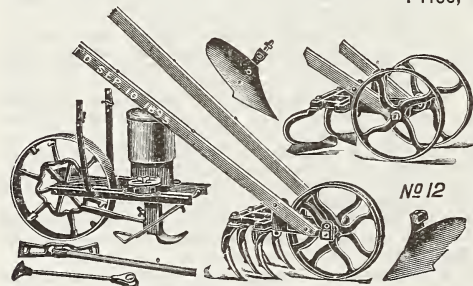
ARE GUARANTEED TO GIVE SATISFACTION IN ACTUAL USE.

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 patch 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 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, \$1.50 postpaid.

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, \$1.25, postpaid.

Triumph Land Corn Planter—Plants one to five kernels. Weight 5 lbs. Price, not postpaid, \$1.50.

Invincible Hand Potato Planter—All steel. Weight, 7 lbs. Not postpaid, \$2.25.

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

Holds 2½ quarts. Weight, complete, 59 lbs.

It combines in a most practical way the Planet Jr. No. 4 Drill and No. 12 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 thoroughly substantial and is accurate in planting all kinds of garden seeds in either hills or drills.

The seed hopper is ample, holding 2½ 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, \$13.50

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.

Will's Pioneer Brand Seed Corn

CORN OR STALKS? A LITTLE TALK ABOUT CORN

If You Want Corn, You Must Plant Will's Acclimated Varieties

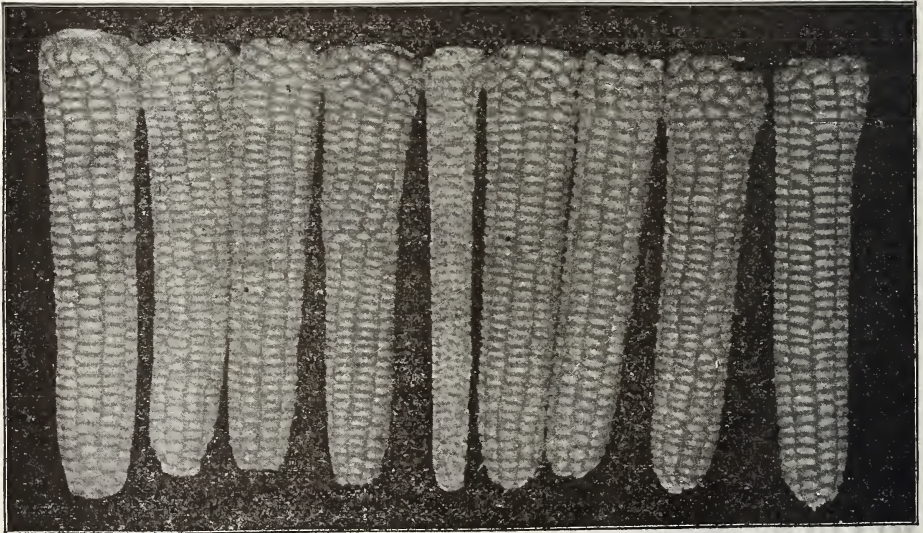
Everyone in the Northwest knows that the past season has been the very poorest corn season for many years. At this date (November fifth) we are endeavoring to dry and prepare for seed purposes as much of our crop as possible.

The prices quoted on all field corn are subject to change without notice. If we are able to make lower prices we will return balances; if we find it necessary to advance the prices we will write before shipment.

If you require a considerable quantity write us for special quotations.

We will mail a large sample to any address on receipt of five cents, for which 15c may be deducted from the price of 10lbs. or more ordered later. Compare the corn you order with samples 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

In the past thirty-two 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 seed was secured from the Indians at the Stevenson Reservation, was planted on the 24th of June, 1882, and harvested some time in September. 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.



Note size of cob of the True Will's Dakota

WILL'S DAKOTA CORN MATURES IN 70 DAYS

A pure pearly white flint corn, the result of many years' careful selections from the original Squaw or 'Ree Corn, 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

WILL'S DAKOTA CORN---Continued

in the way of frost, heat and poor cultivation than any other variety.

Prof. Thomas Shaw, in charge of the Northern Pacific Railway Demonstrations informs us that they produced on their Elgin, N. D., farm seventy-five bushels of this corn per acre.

Mr. M. L. Wilson of the Montana Experiment Station, in Circular No. 41, recommends the growing all over the state of Montana, where the season will permit them to ripen, Dakota White Flint, Gehu Yellow Flint, Burleigh County Mixed and Early Squaw Mixed. In the same circular the yield is given as 42 bushels per acre at the Wibaux Station in 1913. Pkt, 5c; lb, 25c, postpaid. By express or freight, 10lbs, \$1; ½ bu, \$2; bu., \$3.50.

NOTICE.—Beware of corn offered as Dakota White Flint corn, as some people we believe are offering a white corn that is not Will's Dakota at all, but is a result of selection

for size of ear and does not mature well one year with another. The cob is from 1¼ to 2¼ inches at the butt and seldom dries out before hard freezing weather.

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.

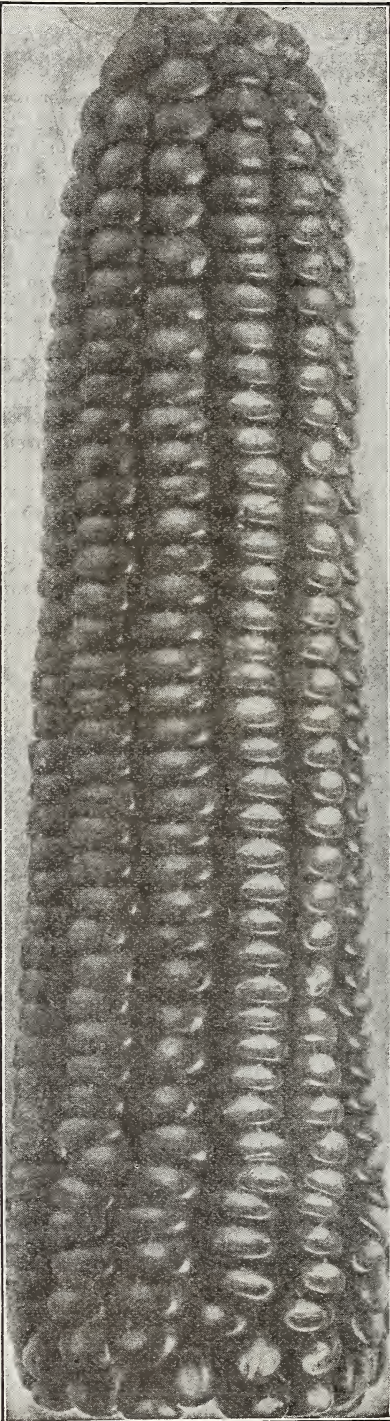
Will mature in a fair corn season in from 60 to 70 days.

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 stalk also varies in different soils, growing from five to seven feet, with ears well up from the ground. Pkt, 5c; lb, 25c, postpaid. By express or freight, 10 lbs, \$1; ½ bu, \$2.50; bu. of 56lbs, \$4.



WILL'S GEHU CORN



(Published by courtesy of the Montana Experiment Station.)

Corn or Stalks?

WHICH DO YOU WANT?

The above cut is from a photograph. Both bunches of corn are Northwestern Dent grown in Montana; the short one from our seed and the tall one from South Dakota seed, both planted the same time and grown under the same conditions. The lot from our seed was dead ripe long before frost and that from South Dakota seed barely in roasting ears.

Will's Northwestern Dent Corn

The Earliest Dent Corn on Earth (See Cut).

When the writer first began the selection of Northwestern Dent Corn 21 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 1896 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; lb, 25c, postpaid. 10 lbs, \$1.35; ½ bu, \$3.00; bu. of 56 lbs, \$5, by express or freight.

More about Northwestern Dent next page.

A Little Particular Talk About Will's Northwestern Dent Corn

When the writer first introduced this corn and had the only stock for sale, many dealers either cried it down or furnished yellow dents to their customers who called for it. This was kept up for some four or five years. This corn has but one name, but some evidently jealous competitors seem to wish to offer something a little different, and add to it "or Smokey Dent." One party some ten years ago claimed to be the originator and that it was a cross between King Philip Corn and a yellow dent. Some have offered "Large Northwestern Dent," which turned out to be large in stalk but very poor corn or none at all, owing to the seed having been grown too far south. If you want to be sure of the genuine article send us your order.



FIELD OF WILL'S SIOUX CHIEF DENT CORN

Sioux Chief Dent Corn is the result of cross breeding the Northwestern Dent with the Square Deal Dent. It is not only a novelty, but a variety of real merit. It is a rich cropper, 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. Packet, 10c; lb, 25c, postpaid. 10lbs, \$1; ½ bu, \$3; bu. of 56lbs, \$5.

All field corn prices subject to change

Arthur Chase, Medina, N. D.: "I find the corn tests 100 per cent and purity 100 per cent."

"Dakota Sunshine" Dent Corn

"Dakota Sunshine" Dent Corn is the second earliest yellow dent corn. We have been growing and improving this strain for fifteen years and have been offering it to our customers for eight 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; lb. 20c, postpaid. Lb, 10c; 10lbs, 50c; ½ bu, \$2.50; bu. of 56lbs, \$4, express or freight.

ASSINABOINE INDIAN CORN OF CANADA

A type of Squaw Corn which can be grown farther north than any other sort. We have only a limited supply grown on our trial grounds, which we offer as follows: Pkt, 10c; ½ lb, 25c; lb, 40c, postpaid.

WILL'S 4X FODDER CORN

We cataloged this corn for many years as Giant Fodder corn, but as another seed house has registered that name in the U. S. Patent office, we are compelled to change the name.

This seed is not grown by us here, but is southern corn and cannot be expected to produce matured ears, but will produce many tons per acre of fodder for either green or dry fodder and for silage. The proper time to cut corn for silo filling is when the kernels are dented and almost mature.

If cut while the corn is still immature and green, the silage will be sour and too laxative in effect, neither does it then have the feeding value that silage made from more matured corn has.

If corn for any reason becomes over ripe and dry, excellent silage can still be made from it by adding water while it is being cut into the silo, a half a barrel to each load of corn.

Good silage can be made from frosted corn in the same way. In order to get perfect distribution of water in the silage, it should be run through the blower with the silage. This can be done by running a steady stream into the blower by means of a small hose.

Thoroughly packing by tramping improves the quality of the silage. This should be done thoroughly, close to the wall. The center will take care of itself.

The surface of the silage while the silo is being filled should be kept concave, that is, lower in the center than at the walls. This will prevent an air space occurring between the wall and the silage from settling later.

When the corn is cut into the silo it soon begins to heat, which causes large quantities of carbonic acid gas to be given off. The gas being heavier than air collects in the silo and must be given a chance to flow out before any one is sent into the silo when work commences in the morning. This may be done by opening a door at the surface of the silage. Running in fresh material will soon mix up the gas with fresh air and make it safe.

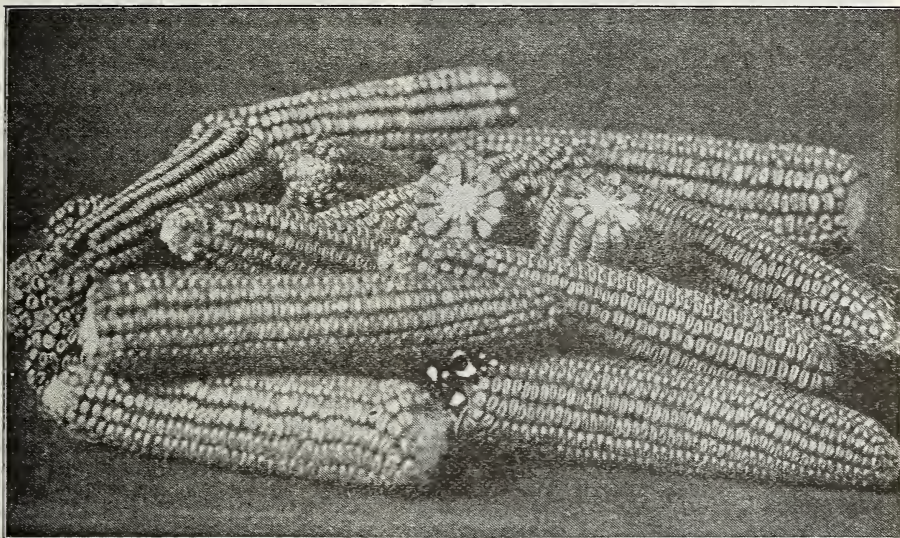
Per bu, \$1.50; 5 bushel lots. \$1.25 per bu.



WILL'S 4X FODDER 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.

The following was printed in last year's catalog, but we think it good enough to repeat:

Supt. F. W. Reinoehl, of the Larimore, N. D., State High School, writes: A year ago last spring we purchased a supply of Square Deal Dent corn for our High School Experimental Farm, and planted same and secured some seed, which was planted last spring. I thought it possible you would be interested in an extract from the report of the experiments conducted on the plots the past season relating to the varieties of corn. Ground: Wheat stubble spring plowed, each plot had same preparation of seed bed and same cultivation.

Plot 1 planted Minnesota No. 13 corn, yield per acre 82 bushels.

Plot 2 planted Northwestern Dent, yield per acre 75 bushels.

Plot 3 planted Square Deal Dent, yield per acre 88 bushels.

The above corn shelled as follows:

Square Deal Dent, 85 per cent.

Minnesota No. 13, 82 per cent.

Northwestern Dent, 76 per cent.

Time of maturity of corn; each plot planted same day, May 26th.

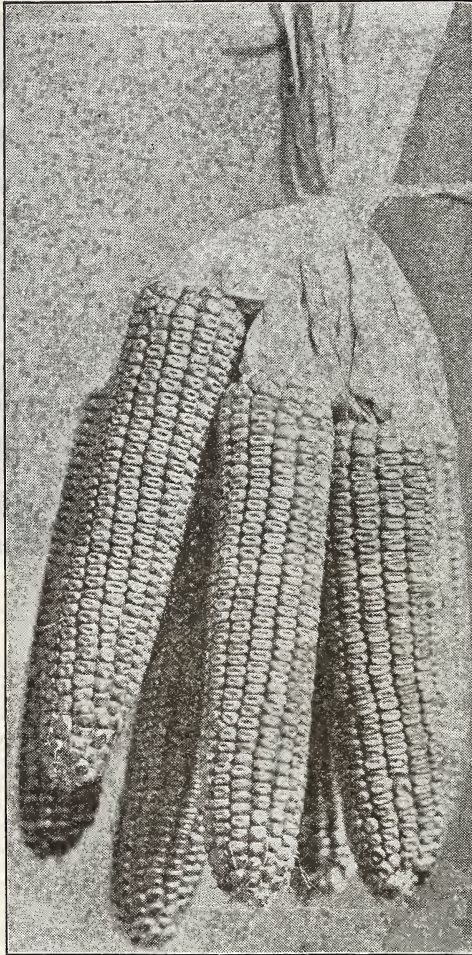
Square Deal and Northwestern Dent well ripened September 6th.

Minnesota No. 13 well ripened September 15th.

"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 at least 10 per cent more. This corn is growing in favor very rapidly, and it bids fair to take first place among all the early varieties. Pkt, 5c; lb, 30c, postpaid. By express or freight, lb, 20c; 10lbs, \$1.50; ½ bu, \$2.50; bu. of 56lbs, \$4.

PIONEER WHITE DENT CORN

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 sort of Dent corn known.

This corn has rapidly grown in favor, owing to the remarkable success of many of our patrons the past two years. It proves to be a close competitor of the older acclimated sorts. The stalk grows to a height of from six to seven feet with the ears fully 2½ feet from the ground and stalks with two ears are numerous. It is pure white Dent with a white cob, ears from six to eight inches in length, mostly twelve rowed and very uniform in shape. The kernel is nearly as deep as Square Deal and shells equal to that variety. Lb, 20c, postpaid. By express or freight, 10 lbs, \$1.50; ½ bu. \$2.50; bu. of 56lbs, \$4.00.

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. Lb, 20c, postpaid. Lb, 15c; 10 lbs, \$1; ½ bu, \$2; bu. of 56 lbs, \$3.75, by express or freight.

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 stalk; 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. Lb, 25c, postpaid. By express or freight, lb, 20c; 10lbs, \$1.50; ½ bu, \$3.50; bu. of 56lbs, \$6.

Sweet Fodder Corn. This is "off type" varieties of sweet corn, not suitable for garden planting. Write for prices.

HANNCHEN BARLEY—(See Cut)

A strong growing two-rowed barley, originated in Svolof, Sweden. Prof. L. R. Waldron of the Dickinson Sub-Station says: "This is the highest yielding barley we have and we strongly recommend it for western North Dakota and districts of similar conditions as well as localities with more favorable conditions." We regret lack of space to print the table furnished us which shows that Hannchen yielded approximately 45 per cent more than the commonly grown six-rowed barley. We have a splendid stock of this barley which we offer as follows: 1lb. 15c, postpaid. By express or freight, 10lbs, 50c; ½ bu, 75c; bushel of 48 lbs, \$1.25; 2½ bushel sacks at \$1.10 per bushel; 10 bu. \$10, bags included.

Swan Neck Barley. Prof. Waldron has practically the same to say about this barley as the above. The past season has surely demonstrated its value. We are informed this barley commands a premium of five to eight cents for malting purposes. Prices same as Hannchen.



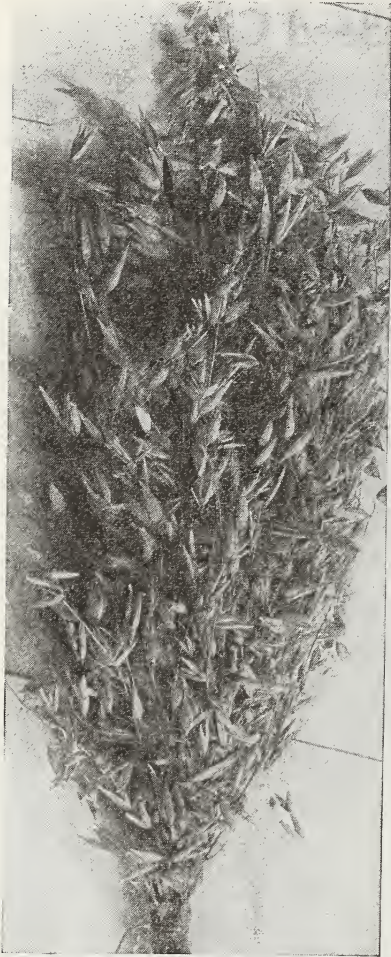
SUCCESS BEARDLESS BARLEY

Seed Grain

HANNCHEN BARLEY

Success Beardless Barley. This barley will mature within 60 days from date of sowing under ordinary conditions. 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 1½ bushels per acre. 1lb, 25c, postpaid. By express or freight, 10lbs, 50c; ½ bu, 75c; bushel of 48lbs, \$1.25; 10 bu., \$10.

Oderbrucker Barley. Is a stiff-strawed, heavy yielding, six-rowed, bearded variety. 1lb, postpaid, 25c. 10 lbs, 50c; ½ bu, 65c; bu. of 48 lbs, \$1.10; 10 bu, \$10, by express or freight. Ask for prices on larger lots.



EARLY MOUNTAIN OATS NO. II

HULLESS BARLEY (Black or White)

This is a hulless, beardless and very early variety. Weighs over 60 pounds to the measured bushel. A good yielder on poor land. A big yielder on good soil. Makes better pork than corn. The straw makes good feed. It is not good for malting. It loses its hull in threshing. Its nutritive value is very high. It will grow anywhere that other varieties will grow. 1lb. 25c, postpaid. By express or freight, 10lbs, 50c; $\frac{1}{2}$ bu. \$1.25; bu, \$2.25.

EARLY MOUNTAIN OATS NO. 2 (See back of cover).

Early Mountain Oat is the earliest and most prolific oat on earth. It was imported a few years ago from the Castle Farm, Oberrosrau, at Unterrosrau, Bavaria, by Mr. John Yegen, of this city. 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. We wish to call particular attention to the fact that this stock of Early Mountain Oats was grown from seed direct from the Dickinson, N. D., Sub-Agricultural Experiment Station, where it stood at the head of the list for a number of years. Yield the past season, 112 $\frac{1}{2}$ bu. per acre. This strain is to be known as Early Mountain No. 2. These oats were grown on contract for us by Mr. Angus Falconer, Burleigh county's best farmer, on land absolutely clean. We guarantee it free from wild oats or other weed seed. 1lb, 25c; postpaid. By express or freight, 10lbs, 50c; $\frac{1}{2}$ bu. 90c; bu. of 32lbs, \$1.50; 4 bu. sacks, each, \$5; 5 full 4 bu. sacks, \$24.

SWEDISH SELECT OATS.

The stock we offer is pure and clean, entirely free from any weed seed and free from any other grain. The three kernel feature, a very common thing with Swedish Select, is one reason for the big yields. 1lb, 25c, postpaid. By express or freight, 10lbs, 50c; $\frac{1}{2}$ bu. 65c; bu. of 32lbs, \$1; 10 bu. or more, 90c per bu. Write for prices on larger lots.

WHITE RUSSIAN OATS

This strain of White Russian Oats has been grown in this locality for many years on various farms, and we believe it to be the best of its kind on the market. 1lb, 15c, postpaid. By express or freight, 10lbs, 35c; $\frac{1}{2}$ bu, 50c; bushel of 32lbs, 75c; 4 bushel sacks, \$2.80. Sow 1 $\frac{1}{2}$ to 2 bushels of oats per acre.

N. D. R. No. 52 FLAX

This variety Prof. Bolley informed the writer, is one of the varieties he would recommend for general use, having given good results for a number of years. We have been reliably informed that this flax made a good crop on land that had been planted to flax several years in succession and had become so infected that it would produce no common sort. Our supply is pure and clean, and we offer as follows: 10lbs, 75c; $\frac{1}{2}$ bu, \$1.75; bu. of 56lbs, \$3.00. Sow one-half bushel per acre.

Primost Flax—Minnesota No. 25. The grains are smaller than those of common flax, but it 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; 10lbs, 75c; $\frac{1}{2}$ bu. \$1.75; bushel of 56lbs, \$3.

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

SPELTZ OR EMMER

Is readily eaten by all kinds of stock and has shown itself to be especially adapted to feeding 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 ½ bu, 65c; bu. (40lbs) \$1; 10 bu. \$8. Ask for prices on large lots.

MARQUIS SPRING WHEAT

Professor Saunders discovered Marquis by acclimating Hard Red Calcutta Wheat and crossing it with Red Fife, thus combining the extreme earliness of the former with 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. Experiment shows that a field standing two weeks after dead ripe did not shell in handling.

We believe our stock is as near absolute purity as is possible; it was grown on the farm of Mr. Angus Falconer in Burleigh county, and the whole field was pronounced by experts to be the best in at least the two Dakotas. The yield exceeded 40 bushels per acre.

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. 10lbs, 50c; ½ bu, \$1; bushel of 60lbs, \$1.75, by express or freight.

BLUE STEM WHEAT

Minnesota No. 169.

Now too well known to need a description except that it was the very best sort we had previous to the introduction of Marquis. 1 lb. 25c, postpaid. By express or freight, 10lbs, 50c; ½ bu, 90c; bu. of 60lbs, \$1.50. Ask for prices on large lots. Sow 1¼ to 1½ bushels per acre.

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, 1lb. 20c, postpaid. By express or freight, 10lbs, 50c; ½ bu. \$1; bushel of 60lbs, \$1.75.

TURKEY RED WINTER WHEAT

The past season has demonstrated the fact that winter wheat is as sure a crop as 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, 10lbs, 50c; ½ bu. 90c; bushel of 60lbs, \$1.75, 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, 10lbs, 50c; ½ bu, 90c; bu. of 56lbs, \$1.50. Sow 1 bu. per acre.

Albert Hendrickson, Dwver, Mont. "The marquis wheat I got of you yielded 30 bushels to the acre while my blue stem only yielded 22 bushels on the same piece of ground."

WINTER RYE.

For fall sowing, maturing very early the following summer. Yields heavier than the spring variety and of better quality. Winter rye makes excellent pasturage for early spring and summer. We will mail sample and guarantee the goods we send you to be the same stock. Per lb, 15c, postpaid. By express or freight, 10lbs, 50c; bushels of 56lbs, \$1.35. Write for price in season.

Silver Hull Buckwheat. 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, 10lbs, 50c; 1/2 bu, 80c; bushel, 50 lbs, 1.35. Sow 1/4 bu. per acre.

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 one-half bushel per acre. Per lb. 15c, postpaid. By express or freight. 10lbs, 50c; 1/2 bu, 75c; bushel of 50lbs, \$1.25.

FIELD PEAS.

White Marrowfat. 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. 1lb, 25c, postpaid. By express or freight, 1lb, 15c; 10lbs, 80c; bushel of 60lbs, \$3.25.

Black-Eyed Marrowfat. This, as well as the preceding, is extensively grown as a field pea, hardy and productive. 1lb, 25c, postpaid. By express or freight, 1lb, 15c; 10lbs, 80c; bushel of 60lbs, \$3.25.

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 humas soils produce too much. Over-wet soils are wholly unsuited to the growth of peas. Sow 1 1/2 to 2 bushels per acre. Sample on application. 1lb, 20c, postpaid. By express or freight, 1lb. 10c; 10lbs, 60c; 1/2 bu, \$1.75; bushel of 60 lbs, \$3.



CANADA FIELD PEAS

per acre. Sample on application. 1lb, 20c, postpaid. By express or freight, 1lb. 10c; 10lbs, 60c; 1/2 bu, \$1.75; bushel of 60 lbs, \$3.

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

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 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-four 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, 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 success, and in many localities will prove of great value, but without irrigation it will never succeed with a hard, dry subsoil, except the **Liscomb** strain. If you have land with an open subsoil, where the roots can at all times reach the moisture, any sort will be a success.

Western Rye Grass or Slender Wheat Grass



RED TOP

This grass is a native of the 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 alkaline lands. 1lb. 25c, postpaid. By express or freight, 15lbs (enough for one acre), \$2.50; 50 lbs. \$9; 100 lbs. \$16.

Meadow Fescue or English Blue Grass.

Succeeds well in most 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. 1lb. 35c; 2lbs. 65c, 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. 45c, postpaid. By express or freight, 1 lb. 35c; 10lbs, \$2.50. Sow four pounds per acre.

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 drouth 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. Purchasers should be very careful in buying as there is a great quantity of apparently good seed being offered which analysis shows contains quack grass. Our seed is all passed on by the State Seed Commissioner.

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. 1lb, 25c, postpaid. 15lbs, enough for one acre, \$2; 100lbs, \$10.

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. of 45lbs, \$5. We also have a lower grade, which is as good as the average, at \$4. 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 good 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, 35c, postpaid. By express or freight, bu. of 14lbs, \$2.



KENTUCKY BLUE 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 North Dakota and Montana.

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. Sow 8 pounds with timothy. Per lb, 35c, postpaid. By express or freight, lb, 30c; 10lbs, \$2.80; 50lbs, \$13; 100lbs, \$24.

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 8 pounds per acre. Per lb, 40c, postpaid. By express or freight, 1lb, 30c; 10lbs, \$2.50; 50 lbs, \$12; 100 lbs, \$23.

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, 90c, postpaid. By express or freight, 1lb, \$85c; 10lbs, or more, 80c 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

Will's Pioneer Brand, Registered U. S. Pat. Office.

A Little More Talk About Alfalfa

Studies and experiments in alfalfa during the past few years have brought a new era in alfalfa production and the demand for hardy seed. It has been proved beyond a doubt that the variegated strains with the branching roots and low spreading crowns are the only really hardy types for the Northwest. Of this class the best advertised are the Grimm, Baltic and the Hansen Siberian varieties; to this list, however, has been added recently by Mr. M. L. Wilson of the Montana Experiment Station another strain with an actual test record superior to any of them, namely: the Liscomb strain. The Grimm seed which we still catalog is almost prohibitive in price and the Hansen seed is hardly procurable at all. We have, however, a small supply of the high priced Grimm and can furnish roots of the Grimm and Hansen Cossack. It has, however, been our great good fortune to procure a fairly extensive supply of Liscomb strain which we are able to offer at a reasonable price.

Grimm or Everlasting Alfalfa. Nearly every farmer knows the history of this strain of alfalfa and it seems to be standing on its past reputation. We offer what we believe to be the genuine article at \$1.00 per pound, postpaid.

Strong Roots, grown from seed from U. S. Department of Agriculture, per dozen, \$1.00, postpaid. By express or freight, dozen, 50c; 100, \$2.00. Plants will not be sent until planting time in spring, but we advise placing orders early as stock is limited.

Liscomb Hardy Alfalfa

The Pioneer Strain

Has a better record than Grimm for the Dakotas and Montana

Mr. M. L. Wilson of the Montana Experiment station has investigated the Liscomb strain of variegated alfalfa which comes from the old Liscomb ranch near Brandenburg, Mont., south of Miles City. He has brought to light the following facts obtained from Mr. Liscomb, who planted the first field. The field was first planted in 1877 with seed obtained from a field in Germany 100 years old at that time. It has done very well since, has shown no signs of winter killing and has been a great drought resister. Grimm has not been grown in the Northwest for any length of time, except in the much more favorable climate of Minnesota. Per lb, 45c, postpaid. By express or freight, 10lbs, \$4.00; 100lbs, \$35.00.

Turkestan Alfalfa. This seed is grown in a climate the same as our own, which is supposed to make it hardier. The U. S. Department of Agriculture does not recommend it, but we carry a small stock for any of our patrons who may desire it. Sow 10lbs per acre. Per lb, 40c, postpaid. By express or freight, 1lb, 35c; 10lbs, \$3; 50lbs, \$12; 100lbs, \$20.

Montana Alfalfa

This is non-irrigated or dry land seed and next to the Liscomb Seed has no competitor except the North Dakota grown which is not very plentiful. It is no longer necessary to go into the matter at length of the superiority of dry land seed as the intelligent farmer knows already. Per lb, 35c, postpaid. By express or freight, 1lb, 25c; 10lbs, \$2.50; 100lbs, \$22.00.

NORTH DAKOTA ALFALFA

Judging from the offering of North Dakota alfalfa seed one would be led to believe the supply to be quite extensive but as a matter of fact the quantity is very limited and we have but very little to offer. Per lb. 50c, postpaid. By express or freight, 10lbs. \$4.00; 100lbs. \$35.00.



North Dakota Alfalfa Field

Utah Grown Alfalfa. As we have patrons who desire a cheaper grade of seed we offer this at 15c per pound by express or freight without regard to quantity.

Hanson's Cossack Alfalfa. This is one of the variegated sorts gathered by Prof. Hanson in his travels. We paid one cent each for the original seeds. We have no seeds to offer but have strong thrifty plants at 50c per dozen, postpaid; \$2.00 per hundred by express or freight.

Sweet Clover

WHITE BLOSSOM OR BOKHARA. *Mellilotus Alba.* Sweet Clover is grown for bees, for hay, for green forage, for its value as a pasture plant and as a soil fertilizer and restorer. It gives promise of becoming a rival of Alfalfa on many soils. Until recently Sweet Clover has been regarded by many as a troublesome weed. Its real value is beginning to be appreciated.

It is a biennial plant and bears close resemblance to Alfalfa but it is larger and coarser in growth. It will grow on soils on which Alfalfa cannot thrive, and will make an excellent growth on lands so hard and barren that they will sustain scarcely any other vegetation. It is the first plant to grow in the spring and furnishes an abundance of succulent pasturage, equal in quality and value with Alfalfa.

Some claim that stock will not eat it, but as soon as they acquire a taste for it, they frequently consume it in preference to Alfalfa or other pasturage. Early spring is an excellent time to teach them to eat it. Cattle fed upon Sweet Clover will not bloat.

When grown for hay, one crop and sometimes two may be cut the first season. The second year, two or three crops may be cut. It should be mowed just before it commences to blossom and before the stems become hard and woody. As it is tall growing and stools very freely, the yield of green forage is tremendous.

Sweet Clover is a biennial, that is, it lives but two years. At the end of the second season the tops and roots die. If the plants are not allowed to go to seed, its growth may be easily controlled. The root growth is very large and fleshy. When the plants die they add to the soil immense quantities of nitrogen and humus, restoring old, worn-out lands to crop producing ability.

Sweet Clover has the same bacteria as Alfalfa and thus will prepare the way for that valuable crop. If a permanent Sweet Clover field is desired, the second crop may be allowed to go to seed and there will be a splendid stand the following year.

Sweet Clover is recommended for pastures, for hay and for renewing worn out lands. If handled properly it will well reward the grower. We suggest that you do not let it go to seed. It can then be controlled at all times. 1lb, 45c, postpaid. By express or freight, 1lb, 35c; 10lbs, \$3.25; 100lbs, \$30.00.

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.

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. Sow 25lbs to the acre.

SUDAN GRASS. Sudan grass was introduced into the United States in 1909 from Sudan under the name of Garawi. Sudan grass is strictly an annual and dies each year like millet and must be seeded again each spring. This makes it fit admirably into any system of rotation. The plant stools wonderfully and produces under favorable conditions as many as 100 stalks from a single root. It is the hay crop which will be of great importance. Sudan grass yields a good crop of first class hay. All stock relish the hay and thrive on it. The quality of Sudan grass hay is much superior to millet hay and is said to be equal to Timothy hay. Yields of from two to four tons per acre are common, and under irrigation they run as high as eight to ten tons per acre. Our trials the past two years have been very satisfactory, particularly the past season's crop. We cut part of the crop when three feet in height, in July, and a second crop of equal size grew from the stubble, both crops make good hay. The part left the whole season made a growth of more than seven feet and matured seed. We consider this grass to be one of if not the best annual forage crop even farther north than this locality. Sow about corn planting time, 6 lbs. in drills or 20 lbs. broadcast. Lb, postpaid, 35c. By express or freight, lb, 30c; 10lbs, \$2; 20lbs, \$3.75; 100lbs, \$16.

German or Golden. (Southern Grown.) Our stock is grown in the right locality and will make the best grade of hay. 10lbs. 60c; 25lbs. \$1.25; 50lbs (1 bu.), \$2.

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. 10lbs, 60c; 25lbs, \$1.25; 50lbs, (1 bu.), \$2.

Japanese. Entirely distinct from any other variety. Grows six feet high. It produces immense crops. Can be cut several times in one season. 1lb. 20c; postpaid. 10lbs, \$1; 40lbs (1 bu.), \$3.

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. 10lbs, 60c; 25lbs, \$1.25; 50lbs, (1 bu.), \$2.

Kursk Millet. Claimed by some to be superior to all other sorts. No doubt it is good for extremely arid localities. We offer it in a small way and recommend small trials where it has not been tried out already. 1lb, postpaid, 25c. 10lbs. 75c; 25lbs, \$1.50; 50lbs, (1 bu.), \$2.

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. 10lbs, 60c; 25lbs, \$1.25; 50lbs (1 bu.), \$2.

Early Fortune. This resembles the above in every way except that the seed is red instead of white. 10lbs, 60c; 25lbs, \$1.25; 50 lbs, (1 bu.) \$2.

Write for prices on larger lots.

Prices of all the above, except otherwise noted, are by express or freight.

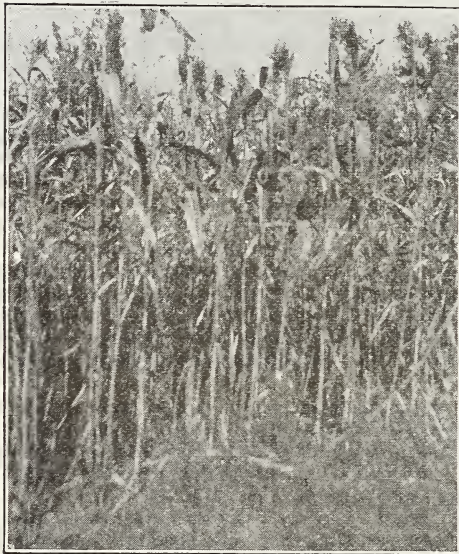
MILLET AND FORAGE PLANTS—(Continued.)

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 excellent.

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, 1lb, 30c, postpaid. By express or freight, 1lb, 25c; 10lbs, \$1.50; 100lbs, \$12. Subject to market change.

SORGUM OR CANE



FIELD OF SORGHUM OR CANE

Early Amber. Much has been written by the various Agricultural Experimental Stations in regard to the use of Sorghum for fodder purposes. In many localities this has taken the place of Corn as a Fodder crop. The reason for this is that it can stand more dry weather than corn. It also produces more weight of palatable Fodder per acre. Where Sorghum is grown to cut for hay, it should be sown broadcast at the rate of about 50 to 60 lbs. per acre. Lb. postpaid, 20c. 10lbs, \$1; 100lbs, \$4, by express or freight.

Kaffir Corn. 1lb, 20c, postpaid. Express or freight, 10lbs. 50c; 50lbs. \$1.80; 100lbs. \$3.50.

FETERITA—The Great Drouth Resisting Crop. Has proven itself a valuable fodder crop. Makes crop where Kaffir fails. It branches from the root, yields heavier and much earlier than Kaffir, 3 to 4 pounds will plant an acre. Per lb, 20c, postpaid. By express or freight, 5lbs, 75c; 10lbs. \$1.00; 100lbs, \$3.50.

Sunflower. Mammoth Russian. 1lb, 15c, postpaid. Express or freight, 10lbs, \$1.50; 100lbs, \$12.00.

Cow Peas. Whippoorwill. The best for the Northwest. 10lbs, \$1; bu, \$4.

Peanuts. Spanish. Earliest variety grown; pods are small, but remarkably solid and well filled. 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; ¼lb. 15c; 1lb. 30c; postpaid. By express, 1lb 20c; 5lbs. 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. Sow in drills four feet apart, placing the nuts six inches apart. Pkt, 10c; ½lb. 20c; 1lb. 30c, postpaid. By express or freight, 1lb, 20c; 5lbs. 75c.

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

HAIRY, WINTER OR SAND VETCH (*Vicia Villosa*)

The plant is a branching, climbing vine, many of its branches attaining a length of 8 to 10 feet. May be sown in spring or fall, if sown in early spring and conditions are favorable, the plant will be in bloom in August and will remain green until the ground is frozen; if sown alone, 60 lbs. per acre; if sown with grain, use half that quantity. With oats if in the spring, and rye if in the fall. Lb. 30c, postpaid. Express or freight, 10lbs. \$2.00; 100lbs. \$15.00.

Spring Vetch. Can only be sown in the spring. Prices same as above.

BISMARCK GREEN HOUSES**HOUSE AND BEDDING PLANTS**

- AGERATUM**, Blue Perfection—Flowers bright blue, 3-inch pots. 75c dozen.
ANTIRRHINUM (Snapdragon)—Flowers on spikes. Assorted colors. 3-inch pots. 75c doz.
ASTERS—Strong seedlings, not potted. 25c dozen.
BEGONIA, Rex—Very pretty for basket or vase work. 4-inch pot. 25c each.
BEGONIA, Alba Picta.—Leaves glossy green, thickly spotted with silvery white; flowers white. Each, 25c.
BEGONIA, Alba Picta Rosea—Strong growing variety with long green leaves spotted silver; flowers bright rose color. Each, 25c.
BEGONIA, Argentea Guttata.—Purple bronze leaves, oblong in shape, with silvery markings; white flowers. Each, 25c.
COLEUS—Red, yellow or variegated. 3-inch pots. Per dozen, 60c.
DUSTY MILLER—Silvery-white leaves. Tall or dwarf. 3-inch pots. 60c dozen.
ENGLISH DAISIES—In white and pink. 25c per dozen, not potted.
FEVERFEW—Cluster of small double flowers. 4-inch pots. \$1 per dozen.
FUCHSIA—Named varieties. 3-inch pots. 20c each; \$1.50 per dozen.
GERANIUMS—Best varieties, in pink, white and red. 4-inch pots, 15c each, \$1.50 dozen; 5-inch pots, 20c each; \$2 per dozen.
GERANIUM, Rose or Scented—4-inch, each 20c.
GERANIUM, Madame Salleroie—Silver leaf, each, 15c.
HELIOTROPE—Clusters of small blue flowers. 4-inch pots. Each 15c; dozen, \$1.50.
LOBELIA—Continual mass of small deep blue flowers. 3-inch pots. 75c dozen.
PANSY—To get these much loved flowers into earliest bloom, the seed should be sown in July and August, the plants wintered in cold frames or outdoors with good protection, when they begin to flower in May. Assorted, 25c dozen.
PETUNIA—One of the best of bedding plants. These are one of the most indispensable and valuable of our summer flowers. They are of the very easiest culture, thrive almost anywhere with the least care; the single ones sowing themselves and appearing the next season. Single, 75c dozen; double, 25c each.
RICINUS (Castor Bean)—Large-leaved foliage, 4-inch pot. 15c each.
SALPIGLOSSIS—New and very popular. 3-inch. 5c dozen.
SALVIA (Scarlet Sage)—One continual mass of red flowers. 4 inch pots. Each, 20c; dozen, \$1.50.
VERBENA—Blooms freely, assorted colors. 2½ inch pots, 40c per dozen.
VINCA VINE—Trailing vine used in window boxes and vase fillings. Variegated. 3-inch 10c each. 4 inch pots, 15c each.
 Above prices in pots by express. Smaller plants by mail, same prices.

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, 50c; 1,000, \$4.50.
Celery. Dozen, 15c; 100, 50c, postpaid. By express, per 100, 40c.
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 dozen, 25c, postpaid; by express, per doz, 15c; 100, \$1.
Tomato in Pots—By express only, 75c per doz.
Tomato—Extra large in quart baskets, \$1 per doz.
Pepper. Per doz. 35c, postpaid; by express, per doz. 25c; 100, \$1.50.
Sweet Potato. Doz, 15c; 100, 75c, postpaid. 100 by express, 50c; 1,000, \$4.

10 GLORIOUS CANNAS

Such a great improvement has been made in Cannas during the past few years that they may well be called "glorious." They are now generally considered the most showy and effective bedding plants. They have tropical appearing foliage and showy flowers, some of which are truly orchid-like.

Louisiana. Flower a deep, vivid crimson, the darkest and bluest of this class and apt to be the largest, usually 6 and often 7 inches across.

Indiana. Flower a rich, velvety, fiery orange, born high above foliage, very gorgeous.

Austria. Pure, strong canary yellow with some red spots in throat. The flower is often 4 to 5 inches across and they are profuse bloomers.

West Grove. Moderately large flower, but very large truss of a soft lovely carmine pink. Strong grower.

Shenandoah. Rather small, salmon pink, flowers borne many in a truss and red bronze foliage.

Moonlight. Flowers small but large number in a truss, a creamy white.

Marvel. Flower a bright scarlet red, edged with golden inside of petal and yellow streaked with scarlet on outside.

Fiambeau. Flowers a glowing fiery, vermilion orange edged with golden yellow and same color in its throat.

Alba Rosea. Flower a creamy white shaded to peach blossom pink.

Majestic. Foliage bluish green lined and ribbed with bronze, long pointed leaves. Flowers a small slender but full and erect truss of small carmine red flowers.

Above collection of ten is sufficient to plant a bed, each, postpaid, 20c; lot of ten, \$1.50; by express, each, 15c; 10, \$1; mixed, unnamed, 10, 75c.

Gladiolus

White, Excelsior. The Grandest Pure White. Long strong flower stalks with an unusually long line of reserve buds continually opening with five to seven four inch flowers well spread out on the spike at the same time. Large bulbs, 20c each; doz, \$1.50, postpaid.

Radium. A white variety veined with very soft pink, lower petals shaded with yellow at the base. A strong grower. Each, 20c; doz, \$1.50, postpaid.

Scribe. A beautiful large well opened flower, tinted white, carmine stripes. Each, 15c; doz, \$1.35, postpaid.

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

Sulphur King. It produces a very long spike of the clearest sulphur yellow flowers yet seen in any Gladiolus. Each 20c; doz, \$1.50, postpaid.

Prosperine. Large well expanded cherry-red flowers, big white blotches on lower petals, anthers lavender. Each, 25c; doz, \$2.00.

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; doz, \$1.50, postpaid.

Chicago Red. Rich blood red, yellow streak in center three lower petals. Each, 20c; doz, \$1.50, postpaid.

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, 20c; doz, \$1.50, postpaid. Choice mixed, doz, \$1.00, postpaid.

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, postpaid.

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, postpaid.

Duchess de Nemours. Large and full; the most nearly pure white. 40c each; \$3.50 per dozen, postpaid.

Felix Crousse. Late. Large, round heads perfectly double; deep crimson marked with cardinal at base of petals. Each, \$1; \$10 per dozen postpaid.

Marie Lemoine. (Calot.) Dwarf, extra late, and very scarce. White, faintly tinged chamois. 50c each; \$5 per dozen, postpaid.

L'Esperance. Deep rose with crinkly white tips; extra large and fine; the earliest large pink. Each, 50c; doz, \$5, postpaid.

One of each above for \$3.

DAHLIAS.

Plants from rooted cuttings grown in three inch pots, ready June 1st, which is the time for outdoor planting, each 15c; doz, \$1.25, by express. Taken from pots, 10c each, \$1 per dozen, postpaid.

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

Crimson Beauty. 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.

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

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

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

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

White Swan. Pure glistening white, of very large and exquisite form, with petals very prettily notched.

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

Tuberose Bulbs. Each 10c; doz, 50c postpaid.

Tiger Lilly. Dry bulbs, 15c each, postpaid.

Flower Pots. All sizes. Ask for prices.

Send for our fall catalog about September.

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 September 16, 1915, at Bismarck, N. D.

C. B. WALDRON.

Remember that we can save you lots of good dollars on a very small order, but you must send direct to us as we have no agents.

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 or parcel post.

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.

FOREST AND ORNAMENTAL TREES

All trees, particularly forest and ornamental, have made a splendid growth the past season and the favorable autumn weather matured the new wood thoroughly. We have never had a more thrifty lot of trees to offer. We are giving our patrons not only extra fine stock but many sorts at greatly reduced prices.

Ash. One year, 6 to 10 inches; per 100, 50c; 500, \$1.75; 1,000, \$3.

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

Six to eight feet, each, 30c; doz, \$3; 100, \$25.

Eight to ten feet, each, 40c; doz, \$4; 100, \$28.

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

Seed, per lb., 75c postpaid.

Box Elder. (Ash leaved Maple.) One year, 6 to 10 inches; per 100, 45c; 500, \$1.25; 1,000, \$2; 10,000, \$16.

Two years, 10 to 20 inch; per 100, 75c; 500, \$2; 1,000, \$3.50.

Five to six feet, each, 20c; dozen, \$1.25; 100, \$6.

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

Eight to ten feet, each, 40c; doz, \$3; 100, \$22.

Two to three inch Caliper, \$1.50 each.

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

Seed per lb., 75c, postpaid.

Cottonwood. One year, 6 to 12 inch; per 100, 60c; 500, \$2; \$1,000, \$3.

Two years, 12 to 20 inch; per 100, 75c; 500, \$2; 1,000, \$3.50.

Three years, 20 to 30 inch; per 100, \$1; 500, \$3.50; 1,000, \$6.

Six to eight feet, each 25c; doz, \$2; 100, \$12.

Eight to ten feet, each 35c; doz, \$2.50; 100, \$15.

Three to four inch diameter, cut any length desired, each \$1.50.

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

We wish to call particular attention to our six to eight and eight to ten foot cottonwoods which are nursery grown, strong and thrifty. We recommend them for street and farm planting where quick growth is desired both for ornament and profit.

Elm. (American.) 6 to 1 inches, per 100, 75c; 500, \$3; 1,000, \$5.50.

Ten to twenty inch, per 100, \$1; 500, \$4.50; 1,000, \$8.

Six to eight feet, each, 30c; doz, \$3.

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

Postpaid, 6 to 10 inch, per 25, 50c; 50, 75c; 100, \$1.25.

Poplar. (Balm of Gilead.) The popularity of the Balm of Gilead is increasing rapidly, as its remarkable hardiness and beauty becomes better known. 6 to 8 feet, each 25c; doz, \$2; eight to ten feet, each 30c; doz, \$3; ten to twelve feet, each, 50c; doz, \$5; twelve to twenty feet, each 60c; doz, \$6.

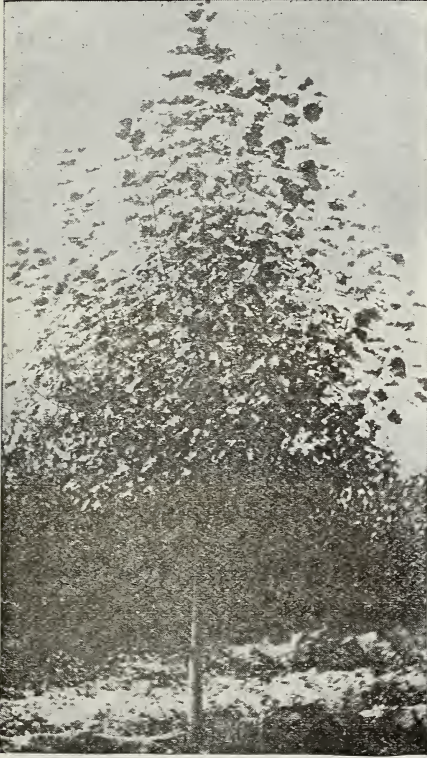
Norway Popular. Next page.

Soft Maple. We have succeeded in acclimating some very nice stock of this very desirable tree, but would not recommend it where conditions are very dry, unless water can be applied plentifully, particularly before freezing in the fall. Two year seedlings per hundred, \$1; 500, \$4. Doz, postpaid, 25c. 6 to 8 feet, each, 25c; doz, \$2.50; 100, \$18.

Linden, 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, 50c; doz, \$4.50.

Linden, 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, 50c; doz, \$4.50.

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. During the past seven years it has been successfully grown in the Northwestern states. 2 to 3 feet, 100, \$4. 6 to 8 feet, 35c each; \$3 per doz; \$23 per 100. Small plants, postpaid, dozen, 50c.



NORWAY POPLAR

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. Doz, 25c; 100, \$1, postpaid. Cuttings, 500, \$1; 1,000, \$1.50, by express or freight.



DIAMOND WILLOW POST

Mountain Ash (European). A fine hardy tree; head dense and regular, covered from July till winter with great clusters of bright red berries. Each, 40c; doz, \$3.50.

Willow, Laurel Leaved Russian. A handsome ornamental tree, with very large, shining, laurel-like leaves; bright green bark in winter, a fine specimen the year round. Fine plants from cuttings, per doz, 65c; 50, \$3.50; 100, \$6. Dozen, postpaid, \$1. Fresh cuttings from new wood, 500, \$1.50; 1000, \$2.50, by express or freight. Doz, \$35c; 100, 85c, postpaid.

Willow, Golden Russian. A very showy variety with golden bark of high color, making it very conspicuous during winter. A handsome tree at all seasons. Fine plants from cuttings, doz, 50c; 50, \$2; 100, \$3. Doz, postpaid, \$1. 2-year, 100, \$4; 3-year, 100, \$5. 2 and 3 year are large clumps suitable for hedge for immediate results. Cannot be mailed. Fresh cuttings from new wood, per 500, \$1.50; 1000, \$2, by express or freight. Doz, 25c; 100, 75c, postpaid.

Willow, the True White English. 1 year plants, doz, 50c; 100, \$2. Fresh cuttings from new wood, 500, \$1; 1000, \$1.50, by express or freight. Doz, 20c; 100, 50c, postpaid.

Beware the sleek talking tree agents with high prices and wonderful stories, who tell you, "Will has no nursery."

Cut Leaf Weeping Birch

One of the most graceful of all ornamentals. It is perfectly hardy, not a single one of the delicate willowy branches ever having been injured by heat or cold. For the most attractive ornament this tree is really without a rival. Our stock consists of extra fine specimen trees, each a picture by itself. 5 to 6 feet, each 75c; doz. \$8.

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. For hedge, the plants should be set one foot apart. 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, \$7. Two year, 20 to 30 inches, doz. \$1.50; 100, \$8. 5 to 7 feet, each, 15c; doz. \$2; 100, \$12; 7 feet, each, 20c; doz. \$2.25; 100, \$15. One year, postpaid, doz. \$1.25; 100, \$9.



OLIVE TREE AND HEDGE

Siberian Pea Tree

Caragana Arborescens

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 with stand all kinds of hardships. For hedge, plant one foot apart. 1 year, doz. \$1; 100, \$5. 20 to 30 inch, doz. \$1.35; 100, \$6. 6 to 8 feet, each, 10c; doz. \$1; 100, \$7. 8 to 10 feet, each, 15c; doz. \$1.50; 100, \$8. Strong one-year plants, 25c each; \$1.50 per doz, 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; small plants, mail, 35c each.



CARAGANA ARBORESCENS OR SIBERIAN PEA TREE

Hardy Shrubs and Vines

Buckthorn. For hedge planting. After a thorough test of medium priced effective hedge plants, we consider this one of the best and hardest for the Northwest, as well as other sections of the country. It stands cold winters without a particle of injury. Commences growth very early in spring, retains its foliage late in autumn. 18 to 24 inch. Each 15c; 50, \$2.50; 100, \$4. Each, postpaid, 25c.

Deutzias. Valuable, self-sustaining shrubs which vary considerably in height and habit, but bloom alike in dainty bell or tassel-shaped flowers borne thickly in wreaths along their branches, in June. Useful for specimens, groups, and the background of shrubberies. Each, 25c; doz, \$2. Each, postpaid, 35c.

Golden Elder. A most attractive shrub with golden foliage the whole season, flowers in July. 2 to 3 feet, each 45c; doz, \$4. Each, postpaid, 75c.

Hydrangea Paniculata Grandiflora. The grandest as well as the most popular of all shrubs, and hundreds of thousands of them are sold every year and the demand is constantly increasing. Is unsurpassed for the lawn, a hedge, or cemetery planting. It readily attains a height of 5 to 7 feet; hardy in all localities and in July the flowers are massive, cone-shaped, sometimes ten inches in length and changing from the original pure white to pink, and finally to a beautiful rich coppery red. Bush from 18 to 24 inches, each, 35c. If by mail, add 20c each. Tree form, 12 to 18 inches, 30c each; doz, \$2.50. If by mail add 20c each.

Hop Vines. We have had so many inquiries for Hop Vines in past years that we have secured a supply of choice stock. These are very desirable as an ornamental rapid growing vine and also for the hops which are valuable for many purposes. Roots will live over winter without protection. Each, 15c; doz, \$1.00. Each, postpaid, 25c.

Honey Suckle, Red Tartarian. (Upright). 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, \$10.00.

Japan Quince. Early in spring this fine old shrub is completely covered with dazzling scarlet flowers, followed by small, quince-shaped fruits which are quite fragrant. Growth bushy and dense, with protecting thorns. 2 to 3 feet, 25c each; \$2.00 per 10. Each, postpaid, 35c.

Lilac (Purple.) A fine old-fashioned shrub. Each 25c; doz, \$2.50. Small plants by mail, 30c each.

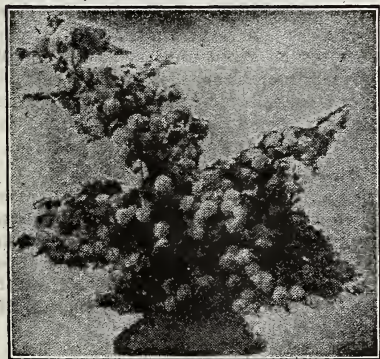
Lilac. (White.) Very fragrant. Each 25c; doz, \$2.50. Small plants by mail, 30c each.

Lilac (Persian Red). 4 to 5 feet, each 20c; doz, \$3.50. 2 to 3 feet, each, 25c; doz, \$2.50. By mail, each, 35c.

Lilac (Persian White). Same sizes and prices as the Persian Red.

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. Each, postpaid, 40c.

Spiraea Van Houttel (Bridal Wreath). A splendid garden shrub, entirely hardy, and the most beautiful of all; immense bloomer; pure snow-white flowers. 2 to 3 ft. bushy, each, 35c; per doz, \$3. Small plants by mail at same price.



SNOWBALL

Large Flowering Snowball. 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. 3 to 4 feet, each 35c; doz, \$3. Postpaid, 50c each.

Tamarix Africana. Tall growing shrubs, 8 to 12 feet high, with fine feathery foliage like that of the juniper; small, usually pink flowers in April or May. Splendid for seaside planting or other damp places. Each, 25c; doz, \$2. Each, postpaid, 35c.

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.



Evergreen Trees By Mail

Postpaid---12 Packages as Below



Fine for Hedges, Windbreaks and Ornamental Lawn planting. These packages cannot be broken. By mail postpaid to destination. Safe arrival guaranteed to any point in United States. Price \$1.00 per package; any 6 packages for \$5.00.

Complete planting instructions and cultural directions will be furnished with each order.

There is unquestionably no better way of beautifying your grounds that surrounding it with beautiful Evergreens. Evergreens are a permanent asset. They are everlasting and add to the beauty of the home winter and summer. Plant some evergreens around your garden and just see how much difference there is in the temperature and moisture. You will find that you can grow flowers, fruits and vegetables that you never could before. Groups of Spruces, Pines, Firs and individual trees here and there about the yard, and along the driveways, changes a dreary house into a comfortable home. Remarkable effects are produced by Evergreens, with color and foliage blending harmoniously—full of mystery at dawn or dusk. In summer they are cooling and refreshing. In winter they add color, warmth and cheerfulness.

These varieties have been thoroughly tested and 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 orders as early as possible to avoid disappointment, as stock is limited. Shipment will be made in March, April or May. You cannot afford to overlook these wonderful collections.

1.—100 Norway Spruce	3 yr. Seedlings	7.—100 Amer. Arbor Vitae	3 yr. Seedlings
2.—100 Scotch Pine	2 yr. Seedlings	8.—100 Dwarf Mount. Pine	3 yr. Seedlings
3.—100 Douglas Fir	3 yr. Seedlings	9.—100 Jack Pine	2 yr. Seedlings
4.— 50 Colo. Blue Spruce	3 yr. Seedlings	10.— 50 Red Cedar	2 yr. Seedlings
5.—100 White Pine	2 yr. Seedlings	11.—100 Ponderosa Pine	2 yr. Seedlings
6.— 50 Black Hills Spruce	4 yr. Seedlings	12.—100 White Spruce	3 yr. Seedlings

Price, pstpaid, \$1.00 per package, any 6 for \$5.00.

COLORADO BLUE SPRUCE.

The Genuine Shiner Koster's. 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, taken up with balls of earth and wrapped in burlap, each, \$2.50. The green foliage at \$1 each.



COLORADO BLUE SPRUCE

NORWAY SPRUCE

Early trials of Norway Spruce were not wholly satisfactory, but for the past fifteen years there has been little or no loss. There are some fine specimens growing in this city which show great vigor and hardiness. 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. 18 to 24 inch trees, twice transplanted. Each, 50c; per dozen, \$5. With balls of earth, \$1 each.

BLACK HILLS SPRUCE

This is one of the most attractive of all evergreens, and we believe it to be without a single exception the hardiest. We can furnish handsome specimen trees, which have been transplanted three times. Shipped separately with balls of earth. Each, 12 to 18 inches, \$1; 18 to 24 inches, \$2; 24 to 40 inches, \$3.

BULL PINE

Bull Pine is the hardiest of all the pines, not as attractive as the spruces. 18 to 24 inches, each 50c; doz, \$5. With balls, each, \$1.25.

Roses (2-year Plants)

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, 35c each.

Crimson Rambler. Rich glowing crimson. Each, 25c; doz, \$2.50. Postpaid, 35c each.

Yellow Rambler. Light canary yellow. Each, 25c; doz, \$2.50. Postpaid, 35c each.

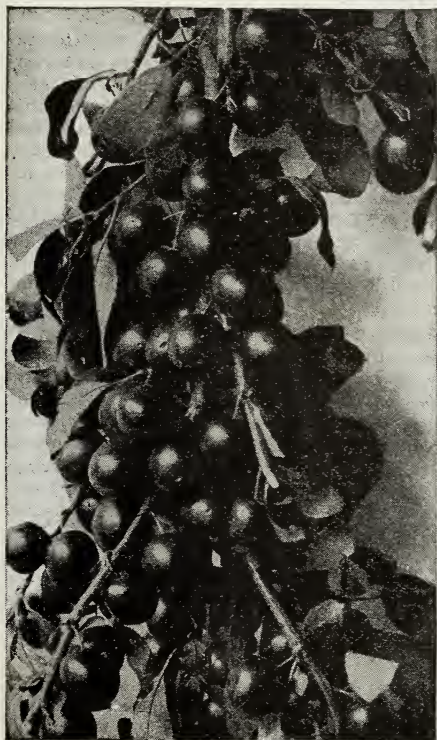
White Rambler. Pure pearl white. Each, 25c; doz, \$2.50. Postpaid, 35c each.

Baby Rambler. A dwarf (bush, not climbing) form of the 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. 25c each; doz, \$2.50. Postpaid, 35c each.

White Baby Rambler. As delicately tinted and as full of clusters as any Poly-antha Rose. Its pure white flowers are perfectly double, and bloom with the unceasing freedom of the reds and pinks of this class. Two year, 30c; \$3 per dozen; 35c each, postpaid.

Red Rugosa. A single-flowered rose. Makes a handsome large bush; bright green leaves; clusters of deep rose-colored flowers continuously followed by large apple-shaped bright red fruits. Strong plants, each, 25c; postpaid, 40c.

White Rugosa. Similar to above; white flowers. Each, 25c. Postpaid, 40c each.



COMPASS CHERRY-PLUM

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 grower, with a roundish spreading head, and is exceedingly productive. 4 to 5 feet, each, 50c; dozen, \$5.

Choke Cherry. Splendid four foot nursery grown trees. Very ornamental and hardy. The fruit is desirable for making jelly. 25c each; \$1.50 per dozen.

THE COMPASS CHERRY-PLUM

Compass Cherry-Plum. (See cut). Is a cross between a Sand Cherry and Miner Plum, and is undoubtedly the best cross 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 Myrobolan 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 feet each, 50c; doz, \$5.

PLUMS

Sapa (Sioux Indian word for "black"). 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. The Sapa fruited first year in 1907. These first specimens were only one inch in diameter, but the size has increased. One year trees in nursery have many fruit buds; the glossy, dark purple skin and rich dark purple red flesh. 4 foot trees, each, 50c; doz, \$5.

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-foot trees, each, 50c; doz, \$5.

Hanska—(Sioux Indian for TALL), and refers to the extraordinary rapid growth and symmetrical shape of the Hanska plum. The Hanska was produced by crossing a wild Northwestern plum—*Prunus Americana*—with the very large firm fleshed, fragrant apricot plum of China—*Prunus Simoni*—which is so very popular in all of the orchards of California. This variety has all of the good qualities a plum should have and so few poor ones that it is not worth while to mention them. 4 foot trees, each, 50c; doz, \$5.

Assiniboine. An extremely hardy and thrifty variety from the Canadian Northwest; fruit large, sweet and juicy. Each, 35c; doz, \$3.

Surprise—A strong-growing tree of erect habit; very ornamental as well as useful. Fruit large and red, excellent for dessert and market; flesh rich and sugary, a delicious flavor; very prolific and very promising for the Northwest. 4 to 5 feet, each, 35c; doz, \$3.

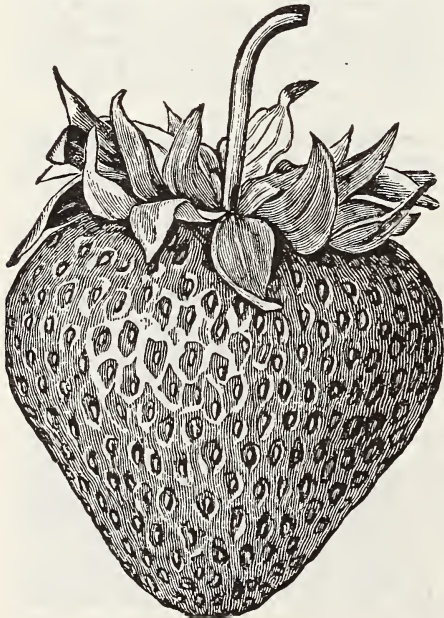
De Soto. This is a variety of American plum of improved type that has been a marked success in the Northwest. Besides being perfectly hardy it is a strong grower and produces fruit at two years, bud or graft. Extremely productive, medium sized, bright red, excellent quality. Each, 40c; doz., \$4.

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

Any of the above plums, except the Wild plum, by parcel post at 30 cents additional.

STRAWBERRY PLANTS

Everbearing (Progressive). This is extremely hardy. Plants produce a good crop the same season if planted last of April or in May. The planter does not wait a year for returns, really only a few weeks. The flavor is much the same as the delicious sweet strawberries we used to pick in the old meadows back in York state. Produces fruit from June to November continuously. At this date, October 10th, we are still picking ripe berries that are sweet and delicious, and the plants have blossoms and green berries. Per dozen, 50c, postpaid. We have grown several thousand plants in pots which can be taken from the pot without the slightest set-back, at \$1.50 per dozen by express. Potted plants can be sent very early in the season, about April 10th, and will bear fruit all summer and autumn.



Senator Dunlap

Senator Dunlap. (Perfect.) A well tested, wonderfully productive variety, one of the safe sorts to plant everywhere, particularly in the Northwest. Plant resembles Warfield, rampant runner, should be restricted in its production of plants; fully equal to the very best sorts 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. 25 plants, 50c, postpaid. By express, 25, 40c; 50, 75c; 100, \$1.

Notice: Strawberry plants will not be shipped until some time in May, therefore, if they are not received with other nursery stock, you will know that they will follow in due time.



SUNBEAM RED RASPBERRY

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. 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, 50c, postpaid. By express or freight, per dozen, 35c; 100, \$3.

RED RASPBERRY—Cuthbert, Old Well Known Sort. Dozen by mail postpaid, 40c. By express or freight, dozen, 25c; 100, \$1.50.

THE EVERBEARING RASPBERRY—ST. REGIS. It Bears the First Season. One of the greatest raspberries ever introduced. Plants of the ST. REGIS put out in the Fall or early April gave ripe berries on the 20th of June. For four weeks thereafter the yield was heavy and the canes continued to produce ripe fruit without intermission until late October. The berries were large and beautiful, firm and full flavored to the very last. The ST. REGIS is the only raspberry, as far as known, that is practically sure to produce a crop of fruit the season planted. Awarded the highest certificate of merit by the AMERICAN INSTITUTE OF NEW YORK. Doz, postpaid, 75c; by express or freight, doz, 50c; 100, \$3.50.

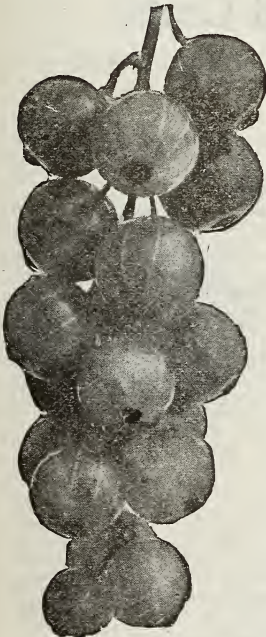
BLACK RASPBERRY—Cumberland. The black raspberries are not as hardy as the red and require greater care. They must be protected by covering during the winter. The Cumberland is large size, firm texture, and has no rival. Per doz, 50, postpaid. By express or freight, doz, 25c; 50, \$1.25; 100, \$2.

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 sweet, melting and pleasing to the taste. Doz, 35c, postpaid. By express or freight, doz, 25c; 100, \$1.80.

Currants

PERFECTION,

The greatest of all currants.



PERFECTION CURRANT

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 the stem between the branch and the fruit, allowing the picker to grasp the bunch more 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 35c, postpaid. By express or freight, each, 25c; dozen, \$2.

CURRENTS—Continued.

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.

GOOSEBERRIES

Houghtons. Small to medium; roundish oval; pale red; sweet, tender, very good. Plants spreading and thrifty; enormously productive. Each, 35c, postpaid. Dozen, \$1.50, by express or freight

Carrie. A product of the State of Minnesota and transplanted to North Dakota, where it has proved to be the very best. It is a strong, vigorous grower, wonderfully prolific and free from mildew; hardiest of all, fruit good size and quality of the best. A very promising variety. Each, 40c, postpaid. Per dozen by express or freight, \$2.

GRAPES

Hungarian. This grape seems to be just as hardy as the Beta and is a stronger grower under the same conditions. Color, blue-black, about one-third larger than the Beta and about the size of the Concord. Sweeter than the former and of good flavor. We have only a limited supply of fine strong one year old plants, which we offer at 35c each; \$3.50 per dozen by express or freight; 50c each postpaid

Beta. Introduced by Prof. Green and has proved to be the hardiest of all grapes; 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 old plants, 25c; dozen, \$2.00; if desired by mail, add 20c each.

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; dozen, \$2.50, by express or freight. Postpaid, each, 40c.

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

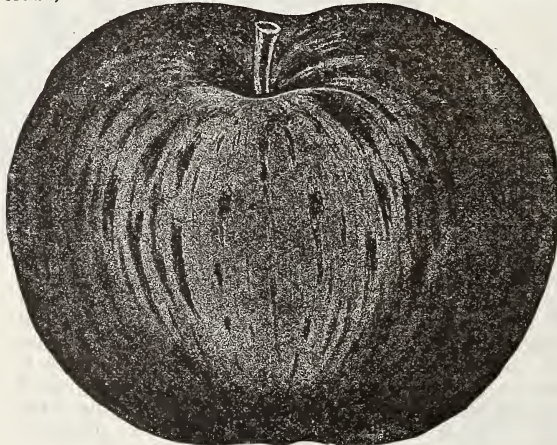
Common. Dozen, 30c, postpaid. By express or freight, 20c.

Will's Hardest Apples and Crabs

Dozen lots may be made up of all varieties of apples and crabapples

Apple growing is now beyond the experimental stage in the Northwest and in North Dakota in particular, as more than half the counties now boast of producing well matured high grade apples and crab apples; the only question now asked is as to what to plant.

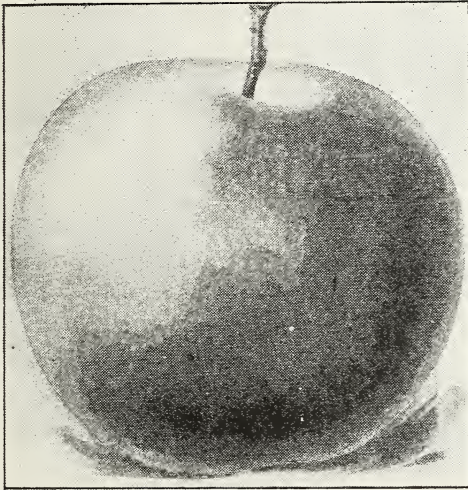
We are offering nothing but varieties which are no experiment, both in apples and crabs, having proven beyond a doubt that they are the most desirable.



DUCHESS OF OLDENBURG

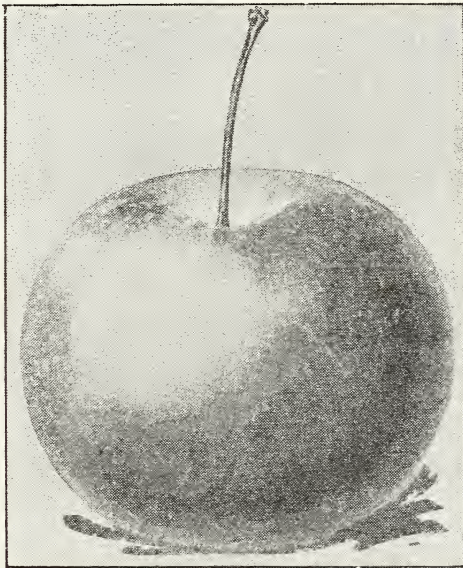
Duchess of Oldenburg. The fruit is round and firm, medium to large size, streaked with red and yellowish green, is tender, juicy and pleasant. This best known Russian apple is also the handsomest and most generally valuable, succeeding in the coldest climates where most varieties fail, yielding well in all sections. The trees come into bearing very young and bear almost continuously. 4 to 5 feet, two years, at 30c each; \$3 per dozen.

Patten's Greening. A seedling of the Duchess, originating in Northern Iowa. It has been classed as one of the hardiest for the Northwest, and recommended as such for general culture by the Minnesota Horticultural Society. The fruit is large, rather oblate with a yellowish green surface, and a short stem. The quality is fine, making it an excellent table or cooking apple. 4 to 5 feet, two years, at 30c each; \$3 per doz.



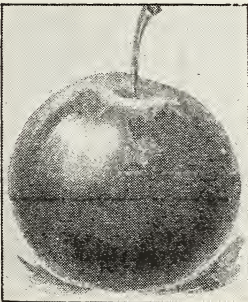
Wealthy Apple

Wealthy. This variety has proved reliable everywhere after many years trial. The fruit is medium to large and dark crimson. The flesh is white tinged with red, crisp, sub-acid, and unsurpassed in quality. This variety is a monument to the originator, who spent many years in originating new varieties and the Wealthy being one of the best. The writer has a tree which has produced a crop eleven years in succession. 4 to 5 feet, 35c. each; \$3.50 per dozen.

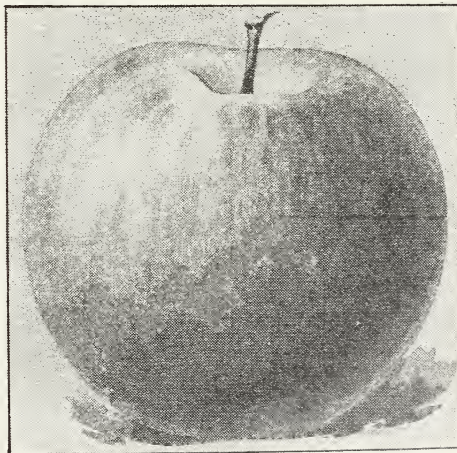


Okabena Apple

OKABENA. (See cut)—Origin Minnesota. Season August to October. Vigorous, absolutely hardy, and an ideal orchard tree in every respect. Bears very young, and a good crop may be depended upon. Fruit medium to large; yellow, striped and splashed with carmine, which is heavy on sun-side; flesh yellowish-white, fine grained, crisp and juicy; flavor sprightly sub-acid; quality excellent. Ripens after Duchess and valuable in market on that account. A seedling of the Duchess and an excellent dessert apple. 4 to 5 feet, 35c. each; \$3.50 per doz.



Whitney No. 20. (See cut, below.) 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, 35c.; dozen, \$3.50.



Whitney No. 20 Crab Apple

Hyslop Crab Apple **Hyslop.** Large, deep crimson, one of the most beautiful and valuable of crabs. Very popular. Each, 35c.; dozen, \$3.50.

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 \$15 per dozen. These will bear fruit the second year and give great satisfaction.

Any apple (except the large Hyslop)—by mail 50c. each.

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