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7223
1931
61st Year

SHUMWAY'S

SEEDS AND BULBS

Vegetable Seed Trials

PRODUCE THE
ANTICIPATED
RESULTS



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R.H. SHUMWAY
ROCKFORD, ILL.
FOUNDED 1870



BRITTLE WAX BEANS
 ½ lb. 23c; lb. 42c; 2 lbs. 78c;
 5 lbs. \$1.65 postpaid.



HUNDREDFOLD PEAS
 ½ lb. 20c; lb. 38c; 2 lbs. 72c;
 5 lbs. \$1.55 postpaid.



BONNY BEST TOMATO
 Pkt. 10c; oz. 30c; ¼
 lb. 85c postpaid.



LAKE CHAMPLAIN MUSKMELON
 Pkt. 10c; oz. 20c; ¼ lb. 60c; ½ lb. \$1.10;
 lb. \$2.00 postpaid.



SPARKLER OR WHITE TIPPED SCARLET TURNIP RADISH
 Pkt. 7c; oz. 15c; ¼ lb. 30c; ½ lb. 50c;
 lb. 90c postpaid.



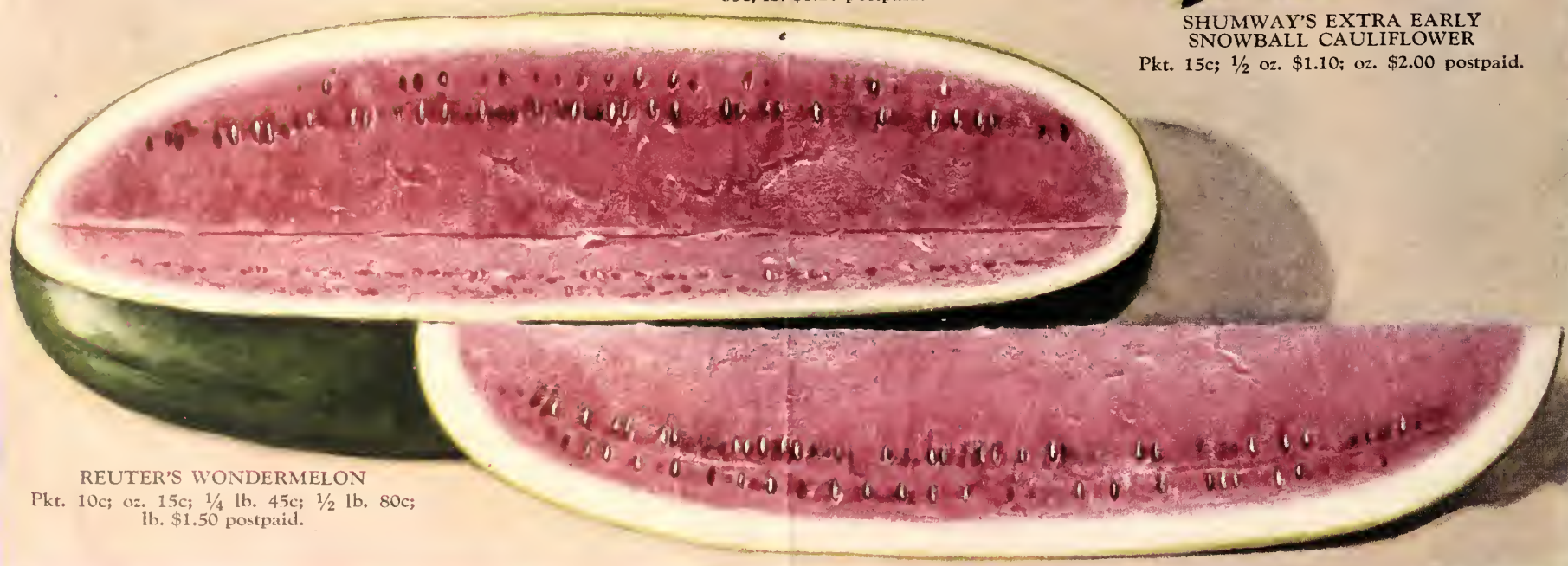
EARLY WONDER BEET
 Pkt. 7c; oz. 12c; ¼ lb. 30c; ½ lb.
 60c; lb. \$1.00 postpaid.



SHUMWAY'S FANCY PICKLING CUCUMBER
 Pkt. 10c; oz. 15c; ¼ lb. 35c; ½ lb.
 65c; lb. \$1.20 postpaid.



SHUMWAY'S EXTRA EARLY SNOWBALL CAULIFLOWER
 Pkt. 15c; ½ oz. \$1.10; oz. \$2.00 postpaid.



REUTER'S WONDERMELON
 Pkt. 10c; oz. 15c; ¼ lb. 45c; ½ lb. 80c;
 lb. \$1.50 postpaid.

Foreword

THE house of Shumway's Seeds and Bulbs was founded in 1870 by R. H. Shumway and continues in operation by the Shumway's following. There is a tradition that must be carried on and that is: a sense of duty between ourselves and the tillers of the soil. That duty is the delivery of seeds and bulbs of the highest grade it is humanly possible to produce. This has been done, over the 61 years of operation, and will be done in the years to come, so as to justify your patronage. It is reasonable to expect, superior types of vegetables and flowers, but these perfected strains only come with painstaking care and judgment in selection, which manifests itself in a house with an ideal and a sense of responsibility.

Our seeds are properly grown and cared for by people experienced in the business. The warerooms are kept at correct temperatures and moisture conditions for seeds. Sample tests for germination are made at different times. We are aware of their quality and will not allow anyone to represent us anywhere. Therefore we employ no agents. We appreciate the value and necessity of true type and high germination of seeds and the only way we can be assured of this, is to sell them ourselves, directly to the planters. No substitutions are made unless the customer specifies them. If we are sold out of any items we return money. We make no extravagant statements of the varieties listed but do try to give an honest description of the various types of vegetables and flowers we offer for sale.

All orders must be delivered to the entire satisfaction of the customer. Seed may be subjected to any test for germination the customer desires. If not as represented they may be returned and amount paid will be refunded.

* * * * *

WE PAY POSTAGE AND EXPRESS on all seeds except where otherwise noted. When a quantity is ordered at wholesale prices we reserve the right to inclose with the shipment the smaller packages which were ordered at the mail price and for this privilege we inclose with every order EXTRA PACKAGES OF SEEDS FOR TRIAL which will amply repay you for this courtesy. With all orders we inclose additional packages of seeds for trial which we trust you will plant and report on their merits or faults.

All remittances are to be made with the orders, by an approved method. Money orders, bank draft or certified check. If currency is used it is well to register the letter, then it is not as safe as a money order. Any charge you have in regard to money order, express order or registered letter on an order of \$1.00 or more you may deduct from your remittance. No goods shipped C.O.D., unless 25% of the purchase accompanies the order.

NOTICE

Even with Shumway's quality seeds, disappointments may arise. Everyone knows that temperature, soil, moisture and care all have their part in the success of plant life. If after considering these conditions in a reasonable way, you still feel the quality of the seed is at fault, we will either replace the seed, so you can try again, or refund the original purchase price of the item at fault. This will be done anytime during the current growing season.

We guarantee safe arrival of your order, and the seeds and bulbs up to the value of the purchase price. However, in common with all reliable seedsmen, we give no warranty, expressed or implied, as to purity, description, quality, productiveness, or any other matter, of seeds or bulbs sent out, and will not be in any way held responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned at once. Any money that may have been paid for them will be refunded.

(Signed) R. H. SHUMWAY, SEEDSMAN
M. R. SHUMWAY, Pres.

Asparagus

There is no doubt but what Asparagus is one of our most liked spring vegetables. It seems as if there should be an Asparagus bed in every garden. One ounce produces about 250 plants, 4 to 5 lbs. to the acre.

GIANT OR PALMETTO

An early variety that produces very large straight stalks. Adapted to all parts of the country. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c.

CONOVERS COLOSSAL

One of the standard large varieties of excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c.

BARR'S MAMMOTH

This is a large quick growing tender variety widely used by many gardeners. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c.

PEDIGREED WASHINGTON

This variety is the result of very careful breeding by the experimental department of Agriculture at Washington, resulting in a strain that is considered rust resistant. The tips are tight and firm and do not begin to branch until the stalk is well above the surface. This feature makes it a very desirable variety for home as well as market use. Pkt., 7c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50.

MARTHA WASHINGTON

A later development of the above considered as rust resistant and equally as desirable for market purposes. The tips have a pinkish cast. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75.

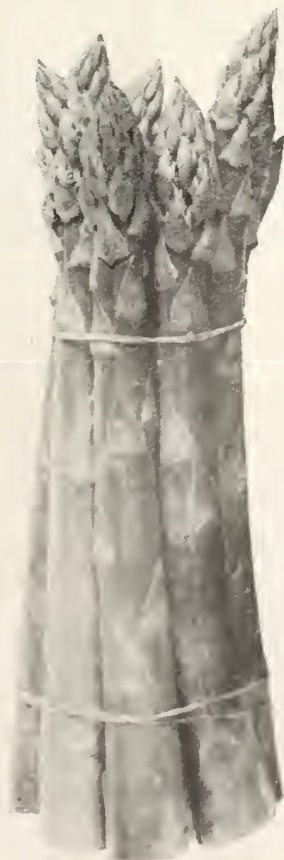
ASPARAGUS ROOTS

We offer the following only in strong, healthy, 2 year old roots:

Martha Washington. 45c per doz. \$2.25 per 100. Postage Paid.
Pedigreed Washington. 40c per doz. \$2.00 per 100. Postage Paid.

Palmetto. 35c per doz. \$1.75 per 100. Postage Paid.
50 roots at the hundred rate.

Not prepaid and larger quantities listed on page 2.



Asparagus

Artichoke



Large Green Globe. A vegetable that is perennial in nature but should be renewed every two or three years. This variety is grown for its edible blossoms which are very tasty and unique in flavor. The plants thrive in deep rich soil and should be set in rows 3 feet apart and 2 to 3 feet apart in the row. During the winter the crowns should be covered with coal ashes so as to shed water and over this a covering of leaves held down by earth. In the spring remove the leaves but do not take the ashes away until the growth appears, after which spread the ashes over the ground. Seed may be started indoors in pots and set out in April or May dependent on your locality, or sow in hills outside and thin out 1 plant to a hill. Pkt., 10c; ½ oz., 40c; oz., 70c.

Wholesale Prices to Large Planters

The purchaser must pay transportation charges when seeds are ordered at these prices. No charge will be made for bags or boxes.

BEANS

	5 lb.	10 lb.	25 lb.	50 lb.	100 lb.
Bountiful	\$1.15	\$2.20	\$5.25	\$10.25	\$20.00
Full Measure	1.30	2.40	5.75	11.25	22.00
Tennessee Green Pod	1.00	1.90	4.70	9.25	18.00
Refugee or 1,000 to 1	.95	1.85	4.60	9.00	17.50
Burpee's Stringless Green Pod	1.05	2.00	4.80	9.50	18.50
Dwarf Horticultural	1.10	2.15	5.10	10.00	19.50
Black Valentine	.90	1.75	4.35	8.50	16.50
Giant Stringless Green Pod	1.10	2.10	4.90	9.75	19.00
Impr. Round Pod Valentine	.90	1.75	4.35	8.50	16.50
Pencil Pod Black Wax	1.05	2.00	4.80	9.50	18.50
Unrivaled Wax	1.15	2.20	5.25	10.25	20.00
Improved Golden Wax	1.05	2.00	4.80	9.50	18.50
Prolific Black Wax	.95	1.85	4.60	9.00	17.50
Brittle Wax	1.20	2.35	5.50	10.75	21.00
Sure Crop Stringless	1.15	2.20	5.25	10.25	20.00
Shumway's Rust Proof Wax	1.10	2.15	5.10	10.00	19.50
Wardwell's Kidney Wax	1.10	2.10	4.90	9.75	19.00
Davis White Kidney Wax	1.10	2.15	5.10	10.00	19.50
Old Homestead	.95	1.85	4.60	9.00	17.50
Golden Pod Wax Pole	1.25	2.40	5.65	11.00	21.50
Cut Short or Cornfield Pole	.90	1.75	4.25	8.25	16.00
Golden Cluster Wax Pole	1.05	2.00	4.80	9.50	18.50
White Creaseback	.90	1.75	4.25	8.25	16.00
Lazy Wife Pole	1.05	2.00	4.80	9.50	18.50
King of the Garden Pole Lima	1.20	2.35	5.50	10.75	21.00
Large White Lima	1.15	2.15	5.25	10.25	20.00
Fordhook Bush Lima	1.60	3.10	7.50	14.50	28.50
Burpee's Bush Lima	1.20	2.35	5.50	10.75	21.00
Henderson's Bush Lima	1.05	2.00	4.80	9.50	18.50
Shumway's White Mexican	.95	1.85	4.60	9.00	17.50
Large White Marrow	1.10	2.15	5.10	10.00	19.50
White Navy Field	.90	1.75	4.35	8.50	16.50
Long White Kidney	1.15	2.20	5.25	10.25	20.00
Long Red Kidney	.95	1.85	4.60	9.00	17.50

PEAS

	5 lb.	10 lb.	25 lb.	50 lb.	100 lb.
Hundredfold	\$1.10	\$2.10	\$4.90	\$9.75	\$19.00
Champion of England	.90	1.70	4.00	7.75	15.00
Laxton's Progress or Blue Bantam	1.10	2.10	4.90	9.75	19.00
Thomas Laxton	.90	1.65	3.75	7.25	14.00
Little Marvel	.95	1.85	4.50	8.75	17.00
Nott's Excelsior	.90	1.65	3.75	7.25	14.00
Bliss Everbearing	.90	1.65	3.75	7.25	14.00
Alaska	.85	1.60	3.75	7.25	14.00
Ameer	.90	1.70	4.00	7.75	15.00
Premium Gem	.90	1.65	3.75	7.25	14.00
McLean's Little Gem	.90	1.65	3.75	7.25	14.00
Improved Large Telephone	.90	1.65	3.75	7.25	14.00
Shumway's Perfection	.90	1.75	4.35	8.50	16.50
Laxtonian	1.10	2.00	4.75	9.25	18.00
American Wonder	.90	1.65	3.75	7.25	14.00
Dwarf Telephone or Daisy	.95	1.85	4.50	8.75	17.00
Gradus or Prosperity	.90	1.65	3.75	7.25	14.00
First and Best	.75	1.35	3.25	6.25	12.00
Large White Marrow	.75	1.35	3.25	6.25	12.00
Improved Stratagem	.90	1.65	3.75	7.25	14.00
Alderman	.90	1.65	3.75	7.25	14.00
Sutton's Excelsior	.90	1.65	3.75	7.25	14.00
Horsford Market Garden	.85	1.65	3.80	7.35	14.50
Melting Sugar	1.10	2.10	4.75	9.25	18.00

SWEET CORN

	5 lb.	10 lb.	25 lb.	50 lb.	100 lb.
Howling Mob	\$.90	\$1.75	\$4.25	\$8.25	\$16.00
Golden Sunshine	1.10	2.10	4.90	9.75	19.00
Golden Bantam	.90	1.75	4.25	8.25	16.00
Shumway's Extra Early Market	.95	1.85	4.60	9.00	17.50
Kendall's Early Giant	.90	1.75	4.25	8.25	16.00
Country Gentleman	1.65	(near crop failure)			
Stowell's Evergreen	1.15	2.20	5.25	10.25	20.00
Early Evergreen	1.10	2.10	4.90	9.75	19.00
Select White Evergreen	1.15	2.20	5.25	10.25	20.00
Mammoth Early Sugar	.90	1.70	4.00	7.75	15.00
Golden Evergreen	1.10	2.15	5.10	10.00	19.50
Mammoth White Cory	.90	1.75	4.25	8.25	16.00
Early Minnesota	.75	1.40	3.30	6.50	12.75
White Mexican	.90	1.75	4.25	8.25	16.00
Black Mexican	.95	1.80	4.35	8.10	16.00
Extra Early Adams	.65	1.20	2.75	5.25	10.00
Champion Sugar	.90	1.75	4.25	8.25	16.00

ASPARAGUS

	¼ lb.	½ lb.	lb.	5 lb.
Giant or Palmetto	.20	.35	.60	
Conover's Colossal	.20	.35	.60	
Barr's Mammoth	.20	.35	.60	
Pedigreed Washing-	.40	.70	1.35	
ton				
Martha Washing-	.45	.80	1.55	
ton				

ASPARAGUS ROOTS (2 Year Old)

	100	500	1,000
Palmetto	1.15	5.25	10.00
Martha Washing-	1.50	6.75	13.00
ton			
Washington Pedi-	1.45	6.25	12.00
greed			

BEET

	¼ lb.	½ lb.	lb.	5 lb.
Detroit Dark	.30	.55	1.00	4.25
Red Turnip	.30	.55	1.00	4.25
Crosby's	.30	.55	1.00	4.25
Egyptian	.27	.50	.85	3.75
Extra Early	.27	.50	.85	3.75
Egyptian	.27	.50	.85	3.75
Extra Early	.27	.50	.85	3.75
Model	.30	.55	1.00	4.25
Swiss Chard	.30	.55	1.00	4.25
Lucullus	.30	.55	1.00	4.25
Extra Early	.30	.55	1.00	4.25
Dark	.30	.55	1.00	4.25
Beauty	.30	.55	1.00	4.25

CABBAGE

	¼ lb.	½ lb.	lb.	5 lb.
Golden Acre	1.30	2.50	4.85	
Glory of Enkhuijzen	.80	1.50	2.85	
Newark Early Dutch	.60	1.15	2.20	
Extra Early Express	.65	1.20	2.35	
Early Summer	.60	1.10	2.15	
Early Winnigstadt	.65	1.20	2.35	
Charleston Wakefield	.65	1.20	2.35	
Early Jersey Wakefield	.65	1.20	2.35	
Copenhagen Market	.85	1.60	3.15	
Wisc. Hollander No. 8	1.40	2.60	5.00	
Wisc. All Season	1.40	2.60	5.00	
Excelsior Late Flat Dutch	.65	1.20	2.35	
All Seasons	.60	1.10	2.10	
Premium Late Flat Dutch	.60	1.10	2.10	
Autumn King	.60	1.10	2.10	
Hartman's Reselected				
Copenhagen Market	1.30	2.50	4.85	
Shumway's Improved Sure-				
head	.65	1.20	2.35	
Danish Ballhead	.90	1.55	3.00	
New Holland or German				
Export	.75	1.40	2.75	
All Head Early or Solid				
South	.65	1.25	2.40	
Perfection Drumhead				
Savoy	.75	1.35	2.60	
Mammoth Red Rock	.75	1.35	2.60	
Shumway's Faultless	.55	1.00	1.85	
Early Spring	.70	1.30	2.60	
Impr. Large Late Drum-				
head	.65	1.20	2.35	

CARROTS

	¼ lb.	½ lb.	lb.	5 lb.
Early Chantenay	.30	.50	.90	4.00
Nantes, Half Long,				
or Coreless	.30	.50	.90	4.00
Shumway's Scarlet				
Perfection	.45	.85	1.65	7.50
Early Market Favor-				
ite	.35	.65	1.25	5.50
Danver's Half Long	.30	.50	.90	4.00
Early Scarlet Horn	.25	.45	.80	3.75
Oxheart or Guerande	.25	.45	.80	3.75
Early Long Forcing				
Carrot	.35	.60	1.10	4.75
Long White Belgian	.20	.30	.50	2.00
Improved Long				
Orange	.20	.35	.65	3.00

CELERY

	¼ lb.	½ lb.	lb.
Golden Self Blanching	1.25	2.45	4.75
Giant White Solid	.60	1.10	2.10
Golden Plume or Won-			
derful	3.00	5.75	11.25
Kalamazoo	.60	1.10	2.10
White Plume	.70	1.35	2.60
Giant Pascal	.75	1.45	2.75

CUCUMBER

	¼ lb.	½ lb.	lb.	5 lb.
Shumway's Long-				
fellow	.75	1.35	2.50	11.00
Early Fortune	.35	.55	1.00	4.75
Improved Long				
Green	.40	.65	1.25	5.75
Shumway's Fancy				
Pickling	.30	.50	1.05	5.00
Davis Perfect	.35	.60	1.10	4.75
Extra Early Long				
Green	.30	.50	.95	4.50
Everbearing	.30	.55	1.00	4.75
White Wonder	.55	.90	1.60	
Westerfield's Chicago				
Pickling	.25	.45	.85	3.90
New Climbing Jap-				
anese	.40	.70	1.35	
Improved White				
Spine	.35	.55	.95	4.50
Extra Early Green				
Cluster	.30	.50	.90	4.00
Cool and Crisp	.30	.50	.90	4.00
Green Prolific	.30	.50	.90	4.00
Evergreen	.30	.50	.90	4.00
Fordhook Pickling	.30	.55	1.00	4.50
Shumway's Great				
Giant	.75	1.35	2.50	11.00
Short Green or				
Early Frame	.30	.50	.90	4.00

LETTUCE

	¼ lb.	½ lb.	lb.
Big Boston	.40	.75	1.35
Early Curled Simpson	.35	.60	1.15
Chartier	.35	.60	1.15
New York	.60	1.10	2.15
Grand Rapids	.35	.65	1.25
Prizehead	.40	.75	1.35
Black Seed Simpson	.40	.75	1.35
Paris White Cos.	.35	.60	1.10
Denver Market	.35	.60	1.10
May King	.35	.65	1.25
All the Year Round	.30	.55	1.00
Giant Crystal Head	.40	.75	1.35
Tombannock	.35	.60	1.10
Hardy Green Winter	.45	.85	1.60
California Cream Butter	.35	.65	1.25
Salamander	.35	.60	1.10

MUSKMELON

	¼ lb.	½ lb.	lb.	5 lb.
Bender's Surprise	.35	.65	1.25	5.75
Hearts of Gold	.35	.60	1.10	5.10
Burrel's Gem	.25	.45	.80	3.50
Tip Top	.30	.55	1.05	4.90
Rockyford	.25	.45	.80	3.50
Osage or Miller's				
Cream	.30	.55	1.05	4.90

	¼ lb.	½ lb.	lb.	5 lb.
Lake Champlain	.50	1.00	1.75	8.25
Acme or Baltimore				
Market	.30	.55	1.05	4.90
Extra Early Grand				
Rapids	.30	.50	.90	3.75
Honey Dew	.40	.70	1.35	5.75
Extra Early Hacken-				
sack	.30	.50	.90	3.75
Chicago Market	.25	.40	.75	3.50
Banana	.35	.60	1.10	5.10
Early Green Nutmeg	.25	.40	.70	3.00
Emerald Gem	.25	.40	.75	3.50
Milwaukee Market	.40	.70	1.25	5.25
Shumway's Giant	.40	.70	1.35	5.75
Princess or Ideal	.30	.50	.90	3.75
Hales Best or H. B.	.40	.70	1.35	5.75
Sugar Rock	.70	1.30	2.45	

ONIONS

	¼ lb.	½ lb.	lb.	5 lb.
Southport White				
Globe	.65	1.20	2.35	11.25
Yellow Flat Dan-				
vers	.38	.70	1.25	5.90
Australian Brown</				

Beans

Dwarf or Bush Green Pod



GIANT STRINGLESS GREEN POD

An exceptionally productive strain of green pod beans. This variety is one of the biggest sellers we have, being used extensively by the truckers and shippers of the South to provide early beans for the Northern market. The pods are perfectly round and average 6 to 7 inches in length. This variety is not quite as early as the Valentine type, but the quality is far superior; it is stringless and when cooked its flavor is superior to many of the other green pod varieties. Particularly fine for the home garden and market gardeners of the North. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 72c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.10; 25 lbs., \$4.90; 50 lbs., \$9.75; 100 lbs., \$19.00; 1 bu. (60 lbs.), \$11.50; 2 bu., \$22.75.



IMPROVED ROUND POD VALENTINE

An early standard variety doing well in cool ground. Very popular with the market gardeners as it is very prolific, bearing fleshy round green pods. Ready for table use in 50 days. $\frac{1}{2}$ lb., 18c; lb., 34c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.35; 50 lbs., \$8.50; 100 lbs., \$16.50; 1 bu. (60 lbs.), \$10.00.

Culture

DWARF OR BUSH

Beans should be planted after the weather has become settled, which is about the middle of May, in the latitude of Northern Illinois. Almost any soil will do for beans, but it is better if they can be planted in a rich, sandy loam; the returns will be far greater. The seed should be sown in rows two feet apart and the beans dropped about 3 to 4 inches apart in the row covering them about 2 inches deep. They should be cultivated as soon as they come through the ground, slightly hilling them, when the second and third pair of leaves start to form. This is done to support the plant. Do not cultivate when the dew is on them or immediately following a rain. Beans may be planted in succession about every two weeks up to the first of August.

All varieties of beans should be inoculated for vigorous growth and heavy bearing. You will be well compensated for this slight extra expense and effort. Use "Nitragin."

Packet Size of Any Variety of Beans, 10c

As Beans are planted two or three different times during the growing season, we feel that $\frac{1}{2}$ lb. is the least amount anyone would wish for. If you think you need less remit 10c for a packet size of any variety listed.

INOCULATE ALL BEANS WITH

Inoculator size for 1 bu., \$1.00; $\frac{1}{2}$ bu., 60c; $\frac{1}{4}$ bu., 40c; Garden size, 25c.



FULL MEASURE

An early long podded stringless green pod bean of high quality. The pods average 6 inches in length, very fleshy and brittle. Heavy yielding variety producing good pods throughout the season. We recommend this variety without exception for early and main crop. On account of its exceptional qualities it can be endorsed without reservation to the large trucker as well as the home gardener. $\frac{1}{2}$ lb., 24c; lb., 44c; 2 lbs., 82c; 5 lbs., \$1.80, postpaid. Not prepaid, 5 lbs., \$1.30; 10 lbs., \$2.40; 25 lbs., \$5.75; 50 lbs., \$11.25; 100 lbs., \$22.00; 1 bu. (60 lbs.), \$13.25.

REFUGEE OR 1000 TO 1

This variety is a standard variety a little later than the other green podded sorts. It is widely grown on account of its productiveness. The pods are fleshy, round and slightly curved, almost stringless, 5 to 5 $\frac{1}{2}$ inches in length. It is also a desirable variety for canning and pickling as well as an excellent variety for shipping. $\frac{1}{2}$ lb., 18c; lb., 35c; 2 lbs., 66c; 5 lbs., \$1.45, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.85; 25 lbs., \$4.60; 50 lbs., \$9.00; 100 lbs., \$17.50; 1 bu. (60 lbs.), \$10.60.



BURPEE'S STRINGLESS GREEN POD

This is the leading variety of the green pod classification. Early and very prolific, bearing long, round, thick pods free from string. This variety should be planted for a continuous supply of beans, as it seems to do particularly well under all climatic conditions, even in the extreme hot weather Burpee's Stringless remains tender and delicious in flavor. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 70c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.05; 10 lbs., \$2.00; 25 lbs., \$4.80; 50 lbs., \$9.50; 100 lbs., \$18.50; 1 bu. (60 lbs.), \$11.25.

BLACK VALENTINE

A variety not as early as Red Valentine from which this was developed. The pods are green, nearly round, straight and slender growing in clusters. This variety is used by the large shippers and market gardeners. $\frac{1}{2}$ lb., 18c; 1 lb., 34c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.35; 50 lbs., \$8.50; 100 lbs., \$16.50; 1 bu. (60 lbs.), \$10.00.

DWARF HORTICULTURAL OR CRANBERRY

This variety does well in a cool climate. Its growth is compact, upright and vigorous. Very productive. Excellent for shelling and succotash. This variety is very popular in the East. $\frac{1}{2}$ lb., 22c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.15; 25 lbs., \$5.10; 50 lbs., \$10.00; 100 lbs., \$19.50; 1 bu. (60 lbs.), \$12.00.

TENNESSEE GREEN POD

A second early green pod variety. Because of its excellent flavor and quality it is considered a variety of merit. The pods are irregular, long and flat. Ready in 60 days after planting. $\frac{1}{2}$ lb., 19c; lb., 38c; 2 lbs., 70c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.00; 10 lbs., \$1.90; 25 lbs., \$4.70; 50 lbs., \$9.25; 100 lbs., \$18.00; 1 bu. (60 lbs.), \$10.90.



BOUNTIFUL STRINGLESS

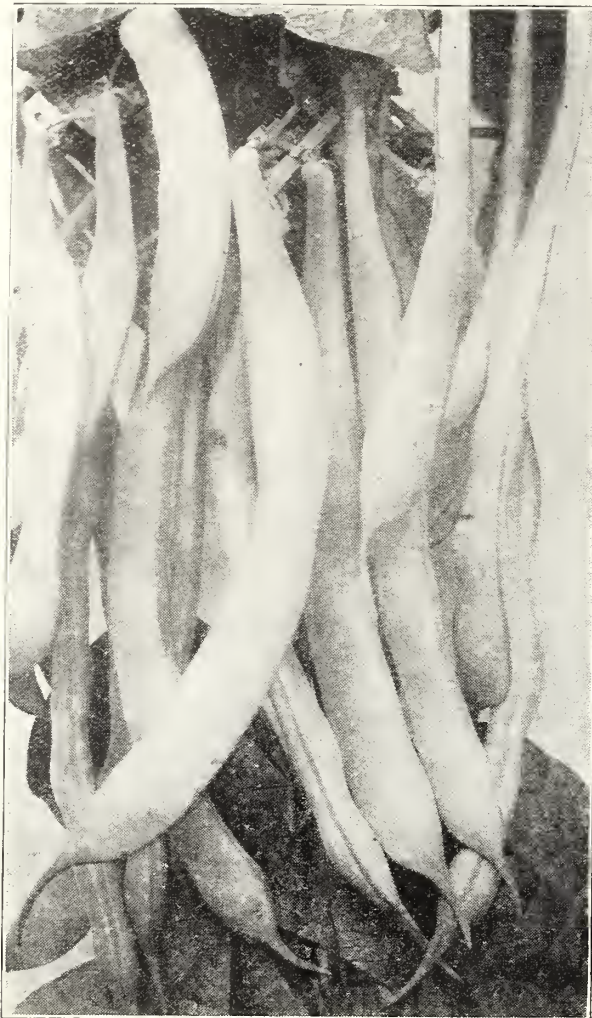
This is the most productive, early maturing, stringless, green pod for market gardeners and home garden. The pods are 6 $\frac{1}{2}$ to 7 inches long, straight, quite broad, flat, and light green in color. Excellent flavor, pods are tender and brittle. An excellent variety for shipping to the fancy markets. $\frac{1}{2}$ lb., 22c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60, postpaid. Not prepaid, 5 lbs., \$1.15; 10 lbs., \$2.20; 25 lbs., \$5.25; 50 lbs., \$10.25; 100 lbs., \$20.00; 1 bu. (60 lbs.), \$12.10; 2 bu., \$24.00.



PENCIL POD BLACK WAX

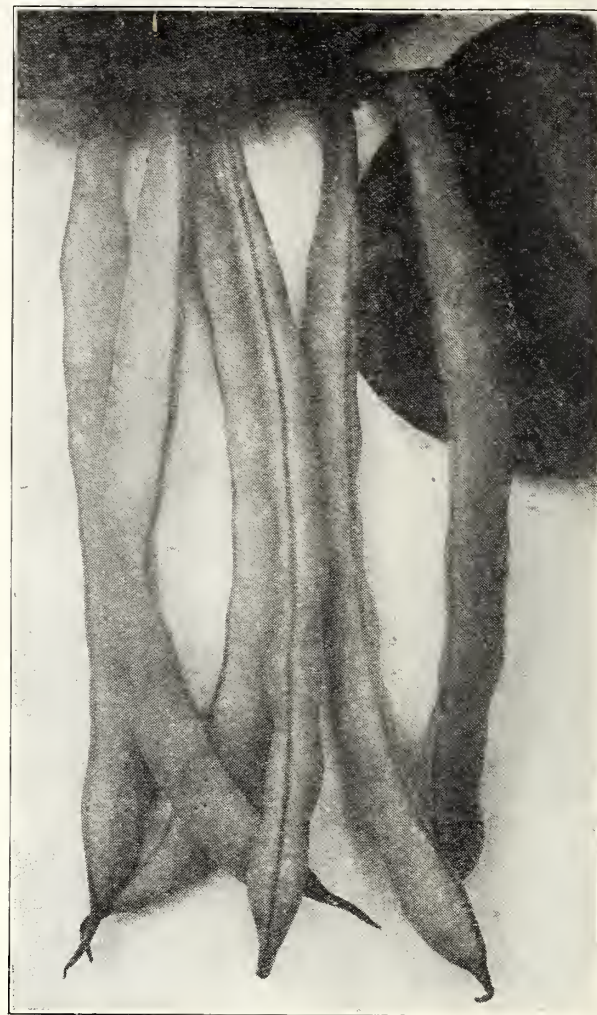
An extra early wax bean of the finest quality, absolutely stringless, round pods 6 to 7 inches long. The plants are very vigorous in growth and bear abundantly. Without doubt the best black seeded variety for market and home gardening. Ready for table use in 64 days from time of planting. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 70c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.05; 10 lbs., \$2.00; 25 lbs., \$4.80; 50 lbs., \$9.50; 100 lbs., \$18.50; 1 bu. (60 lbs.), \$11.20.

Dwarf or Bush Wax, Yellow Pod



IMPROVED GOLDEN WAX

A medium early, heavy cropper, vines of strong bushy growth. Known for its rust-resistant qualities. The pods are golden-yellow, brittle, fleshy and solid. It has an exquisite rich butter flavor which is particularly known to this variety. An exceptional strain for home use and market gardeners. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 70c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.05; 10 lbs., \$2.00; 25 lbs., \$4.80; 50 lbs., \$9.50; 100 lbs., \$18.50; 1 bu. (60 lbs.), \$11.20.



BRITTLE WAX
(See Inside Front Cover)

A bean of excellent quality, very early and productive. Pods are long, round and stringless. This is considered the quality bean for home gardens and for market gardeners who sell on a local market. $\frac{1}{2}$ lb., 23c; lb., 42c; 2 lbs., 78c; 5 lbs., \$1.65, postpaid. Not prepaid, 5 lbs., \$1.20; 10 lbs., \$2.35; 25 lbs., \$5.50; 50 lbs., \$10.75; 100 lbs., \$21.00; 1 bu. (60 lbs.), \$12.70.

Inoculate All Beans With

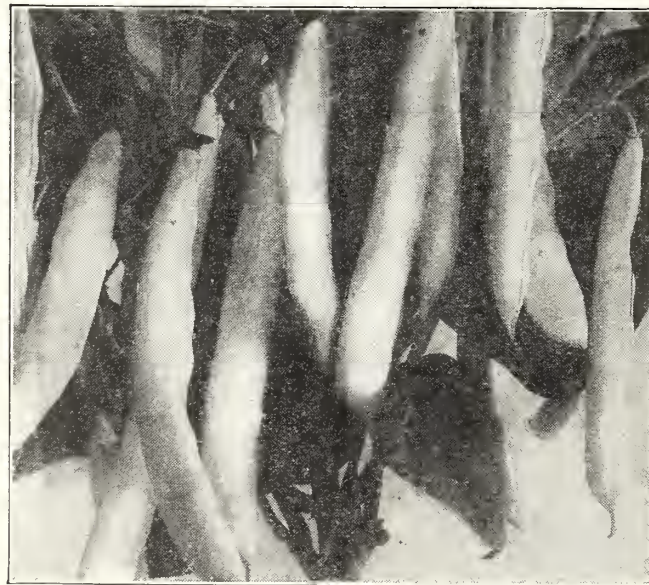
In ordering specify for Beans
Inoculator size for 1 bu.,
\$1.00; $\frac{1}{2}$ bu., 60c; $\frac{1}{4}$ bu., 40c;
Garden size, 25c.

NITRAGIN



SHUMWAY'S RUST PROOF WAX

A selection out of the Improved Golden Wax for earliness and superior quality. This variety also has the unique buttery flavor. The pods are particularly nice in appearance, large, thick, and semi-flat running particularly fleshy. Its quality is superb, they are tender, brittle and stringless. We know of no better strain of the Golden Wax type. $\frac{1}{2}$ lb., 22c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.15; 25 lbs., \$5.10; 50 lbs., \$10.00; 100 lbs., \$19.50; 1 bu. (60 lbs.), \$11.75.



SURE CROP STRINGLESS

(Use This Instead of Curries. Far Superior)

This is an excellent meaty flat podded stringless variety; pods average 6 to 7 inches long and are quite thick through. This variety is vigorous in growth and sturdy, also disease resistant. In common with the other black seeded varieties it may be planted earlier than the others. A real variety for market gardeners where the market calls for the flat podded strains. When ready to eat pods are a deep yellow. Ready for table use in 62 days. $\frac{1}{2}$ lb., 22c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60, postpaid. Not prepaid, 5 lbs., \$1.15; 10 lbs., \$2.20; 25 lbs., \$5.25; 50 lbs., \$10.25; 100 lbs., \$20.00; 1 bu. (60 lbs.), \$12.10.

Packet Size of Any Variety of Beans, 10c.



PROLIFIC BLACK WAX

PROLIFIC BLACK WAX
A very early bush sort, bearing round, fleshy pods of good quality. Very productive, making it an excellent variety for both market and family gardens. $\frac{1}{2}$ lb., 18c; lb., 35c; 2 lbs., 66c; 5 lbs., \$1.45, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.85; 25 lbs., \$4.60; 50 lbs., \$9.00; 100 lbs., \$17.50; 1 bu. (60 lbs.), \$10.60.



DAVIS WHITE KIDNEY WAX

A vigorous grower, very prolific, bearing long, straight, waxy-white pods carried well up from the ground. Excellent shipping variety. Ready in 58 days from planting. $\frac{1}{2}$ lb., 22c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.15; 25 lbs., \$5.10; 50 lbs., \$10.00; 100 lbs., \$19.50; 1 bu. (60 lbs.), \$12.00.



WARDWELL'S KIDNEY WAX

This early variety is a favorite of the market gardeners. Its attractive golden wax pods are 6 to 7 inches long, fleshy, broad, and brittle, with excellent qualities. Pods are nearly stringless. A variety that does exceptionally well in any climate, therefore is a good variety for rotation. Plants are strong growing and bear the pods well up from the ground. Wardwell's Kidney Wax, due to its beautiful long pods and its golden wax color, brings a ready sale for the market gardener. 60 days from planting to table. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 72c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.10; 25 lbs., \$4.90; 50 lbs., \$9.75; 100 lbs., \$19.00; 1 bu. (60 lbs.), \$11.50.



UNRIVALLED WAX

An immensely productive, first early variety. Pods are 5 to 5 $\frac{1}{2}$ inches long, rather narrow and as cut shows perfectly straight, somewhat flattened but very fleshy. Color is a clear yellow. The plants are large, vigorous, and can be called quite disease resistant. Without doubt this variety will be a leader with the market gardener as it is now with the home gardeners. $\frac{1}{2}$ lb., 22c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60, postpaid. Not prepaid, 5 lbs., \$1.15; 10 lbs., \$2.20; 25 lbs., \$5.25; 50 lbs., \$10.25; 100 lbs., \$20.00; 1 bu. (60 lbs.), \$12.10.

Inoculate
ALL Beans
With



Inoculator size for 1 bu., \$1.00; $\frac{1}{2}$ bu., 60c; $\frac{1}{4}$ bu., 40c; Garden size, 25c.

Lima Beans

CULTURE. Lima Beans are more susceptible to cold weather and should not be planted until about a week later than snap beans. They are heavy feeders, therefore the soil should be well enriched with manure if possible. This very important fact in the planting of Lima Beans should be observed, they should be placed into the soil EYE down.

NOTICE: Lima beans are one of our most palatable vegetables. Have you ever used them in the following recipes? They are all new.

Lima Beans Au Gratin. Shell out the beans and place in a baking dish, pouring over them a white sauce, which any recipe book will give you the method of preparation, grating cheese to the strength that you may desire into same, season with salt, pepper, and butter to suit or instead of butter criss cross strips of bacon over the top and bake in a hot oven for 40 minutes. This is one of the most tasty dishes for the lima beans.

Lima Bean Croquettes. Boil the lima beans for 30 minutes, having seasoned with salt, then drain off the water and mash, season to taste with salt and pepper. Then form into patties and fry in butter or bacon grease. This is a wonderful substitute at any time for meat.

Lima Bean Salad. Boil the shelled fresh limas for 30 minutes, having seasoned with salt. Drain off the water and allow to cool, set in icebox to chill. Serve on lettuce leaves with French dressing and diced celery.



FORDHOOK BUSH LIMA

This is the finest variety of the potato limas. Pods are large and the beans are very thick and plump, green in color, 4 to 5 beans to the pod. This variety grows very erect and does not allow the beans to touch the ground as some of the other sorts do. This lima is far superior to any other and very profitable to the trucker where the beans are sold in the pods. Always meets with ready sale on the markets. $\frac{1}{2}$ lb., 27c; lb., 50c; 2 lbs., 95c; 5 lbs., \$2.10, postpaid. Not prepaid, 5 lbs., \$1.60; 10 lbs., \$3.10; 25 lbs., \$7.50; 50 lbs., \$14.50; 100 lbs., \$28.50; 1 bu. (56 lbs.), \$17.20.



BURPEE'S BUSH LIMA

A bush type of the Large White Lima. Beans of the same size. It is considered one of the most desirable lima beans introduced, growing only 20 inches high and branching freely, bearing heavily. $\frac{1}{2}$ lb., 23c; lb., 42c; 2 lbs., 78c; 5 lbs., \$1.65, postpaid. Not prepaid, 5 lbs., \$1.20; 10 lbs., \$2.35; 25 lbs., \$5.50; 50 lbs., \$10.75; 100 lbs., \$21.00; 1 bu. (56 lbs.), \$12.15.

HENDERSON'S BUSH LIMA

This is without doubt the very earliest of all the Lima beans, but it is not as large as the others. It is more prolific and produces more than twice as many pods to each plant. The quality is excellent, being rich and delicious, plants bear continuously. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 70c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.05; 10 lbs., \$2.00; 25 lbs., \$4.80; 50 lbs., \$9.50; 100 lbs., \$18.50; 1 bu. (60 lbs.), \$11.25.

Pole Beans

CULTURE:

POLE BEANS also require a rich soil, other than that they are handled the same as the BUSH BEANS with the exception of providing poles for them to climb on, furthermore, it is well to plant in hills rather than in rows.



OLD HOMESTEAD OR KENTUCKY WONDER

An old favorite variety of quality that continues to be our largest selling pole variety. This is the most productive bean in existence. The vines climb well and produce light silvery green pods in clusters from top to bottom of the vine. The pods are stringless and brittle ranging from 9 to 10 inches long. One can readily see that great quantities of beans can be secured from a planting of this truly wonderful variety. $\frac{1}{2}$ lb., 18c; lb., 35c; 2 lbs., 66c; 5 lbs., \$1.45, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.85; 25 lbs., \$4.60; 50 lbs., \$9.00; 100 lbs., \$17.50; 1 bu. (60 lbs.), \$10.60.

GOLDEN POD WAX POLE OR KENTUCKY WONDER WAX

This variety resembles the Old Homestead in habit and growth as well as its prolific bearing. The pods are flat, golden yellow in color, waxy and stringless. 10 inches in length. $\frac{1}{2}$ lb., 23c; lb., 42c; 2 lbs., 78c; 5 lbs., \$1.65, postpaid. Not prepaid, 5 lbs., \$1.25; 10 lbs., \$2.40; 25 lbs., \$5.65.

WHITE CREASEBACK

Vigorous grower, wonderfully productive. Very early white variety, good to cook either green or dry. $\frac{1}{2}$ lb., 18c; lb., 34c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (60 lbs.), \$9.75.

GOLDEN CLUSTER WAX POLE

Produces long, stringless, golden waxy pods. It is early and bears wonderfully all through the season until ruined by frost. $\frac{1}{2}$ lb., 20c; lb., 36c; 2 lbs., 68c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.05; 10 lbs., \$2.00; 25 lbs., \$4.80; 50 lbs., \$9.50.

CUT SHORT OR CORNFIELD POLE

A popular variety in the South for planting in the corn, however, it yields well without support. The pods are short and flat. Quality good. $\frac{1}{2}$ lb., 18c; lb., 34c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (60 lbs.), \$9.75.

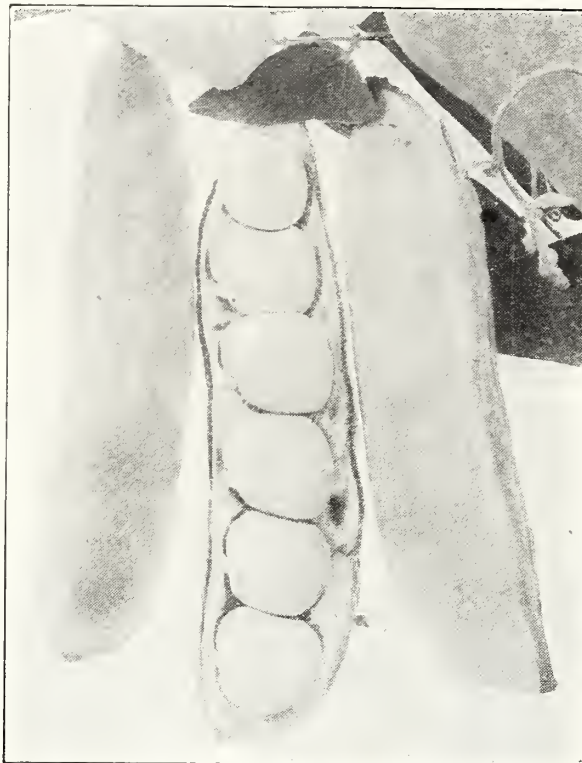
LAZY WIFE POLE

Excellent variety for snap as well as shell bean. Long, thick, stringless, green pods. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 70c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.05; 10 lbs., \$2.00; 25 lbs., \$4.80; 50 lbs., \$9.50.

SCARLET RUNNER POLE BEANS

A variety of bean that we are also listing with the flower seeds, as they are worthy of consideration in that department. Rapid growers with clusters of dazzling scarlet flowers. Beans make a very desirable shell variety for table use. Pkt., 10c; $\frac{1}{2}$ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., \$2.00, postpaid.

Pole Limas



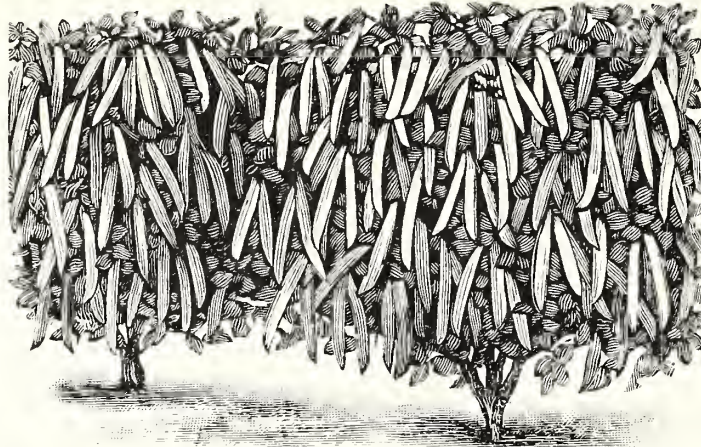
KING OF THE GARDEN

A variety that produces all through the season. Pods 5 to 8 inches long, well filled with beans of excellent quality. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 70c; 5 lbs., \$1.60, postpaid. Not prepaid, 5 lbs., \$1.20; 10 lbs., \$2.35; 25 lbs., \$5.50; 50 lbs., \$10.75; 100 lbs., \$21.00.

LARGE WHITE

One of the best large pole varieties. Desirable for cooking in both the green as well as the dried stage. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 70c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.15; 10 lbs., \$2.15; 25 lbs., \$5.25; 50 lbs., \$10.25; 100 lbs., \$20.00.

Dry or Shell Beans



SHUMWAY'S WHITE MEXICAN OR PROLIFIC TREE

Selected out of the Navy variety reducing the runners and making it a bush form variety. Very prolific, producing under normal conditions 20 to 30 bushels to the acre. An excellent bean used in the dried stage. $\frac{1}{2}$ lb., 18c; lb., 35c; 2 lbs., 66c; 5 lbs., \$1.45, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.85; 25 lbs., \$4.60; 50 lbs., \$9.00; 100 lbs., \$17.50; 1 bu. (60 lbs.), \$10.50.

LARGE WHITE MARROW

Very hardy robust plant, bearing large round shaped beans, used when dry for baking or in soups. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 72c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.15; 25 lbs., \$5.10; 50 lbs., \$10.00; 100 lbs., \$19.50; 1 bu. (60 lbs.), \$12.00.

WHITE NAVY FIELD

(Robust strain.) Small white variety which has been greatly improved by practically eliminating the runners. Excellent yielder. $\frac{1}{2}$ lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.35; 50 lbs., \$8.50; 100 lbs., \$16.50; 1 bu. (60 lbs.), \$9.90.

LONG WHITE KIDNEY

A favorite variety in many markets, desirable as a shell bean for succotash or when dry for baking. $\frac{1}{2}$ lb., 22c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60, postpaid. Not prepaid, 5 lbs., \$1.15; 10 lbs., \$2.20; 25 lbs., \$5.25; 50 lbs., \$10.25; 100 lbs., \$20.00; 1 bu. (60 lbs.), \$12.10.

LONG RED KIDNEY

Good to be used as a shell or dry bean. It is used extensively for canning purposes. $\frac{1}{2}$ lb., 18c; lb., 35c; 2 lbs., 66c; 5 lbs., \$1.45, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.85; 25 lbs., \$4.60; 50 lbs., \$9.00; 100 lbs., \$17.50; 1 bu. (60 lbs.), \$10.60.

Swiss Chard



This variety of beet is grown exclusively for use as greens; it replaces spinach during the hot summer months. The plants are hardy and will yield all summer long until heavy frosts kill them.

LUCULLUS

The leaves of this variety of chard are heavily crumpled and savoyed, deep green in color, being nearly the color of spinach. The mid-rib or thick white stalk may be creamed like asparagus. Do not pull up the plants; cut off the outer leaves and a small patch of it will provide greens all summer long. Pkt., 8c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.25; 5 lbs., \$5.00, postpaid.

Stock or Mangel Beet

Sow 5 to 6 lbs. per acre. All stock should have Mangel Beet in their winter feed. Assures increased milk flow.

GREAT GIANT OR MAMMOTH LONG RED MANGEL BEET

The largest mangel beet in cultivation, regular shape, growing half out of the ground. Blood red in color, very smooth. The greatest tonnage per acre is secured from this variety. Oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00, postpaid.

KLEIN WANZLEBEN BEET

Sugar Variety

An excellent variety for stock food. A good tonnage per acre. Oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00, postpaid.

IMPROVED WHITE SUGAR BEET

A large, sweet, choice beet, like the Mangels. Grown extensively for feeding stock, contains a large per cent of sugar. Oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00, postpaid.

GOLDEN TANKARD MANGEL

Exceedingly hardy and early in maturity. Well adapted to shallow soil. They are easy to dig. Oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00, postpaid.

GLOBE SHAPE MANGEL WURTZEL

Great Giant or Mammoth Long Red Mangel Beet

A desirable variety for planting in shallow soil. Comparatively easy to dig as it has a short oblong root. A good keeper for winter use.

Yellow—Oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00, postpaid.
Red—Oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00, postpaid.



In ordering specify for Beans
Inoculator size for 1 bu., \$1.00; $\frac{1}{2}$ bu., 60c; $\frac{1}{4}$ bu., 40c; Garden size, 25c.

Packet size of any variety of Beans, 10c

Beets For Table Use



EARLY WONDER BEET
(See Inside Front Cover)

One of the earliest and most beautifully shaped beets for bunching purposes. The roots are uniform globe-shaped with clean tap root. The tops are nice size. The skin is dark red, flesh a clear dark red showing no light zones, very tender, sweet and crisp. Its uniformity of shape and color makes it a very desirable variety for market gardeners as well as home use. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 60c; lb., \$1.00; 5 lbs., \$4.35, postpaid.

EXTRA EARLY ECLIPSE

Globular shaped root, flesh dark red, zones a lighter shade, sweet and tender. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00; 5 lbs., \$4.35, postpaid.

EXTRA EARLY LENTZ

A choice strain of extra early Beets, small tops, never stringy or woody. Smooth, perfect shaped variety. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00; 5 lbs., \$4.25, postpaid.



SHUMWAY'S EXTRA EARLY MODEL BEET

This recent introduction was selected for its blood-red color and its smooth uniform globe shape. This strain shows no light rings in the cross section. The tops are not too large, making it ideal for bunching and the tops are very desirable for beet greens. This we consider an especially fine type for the market gardener and for home use. Pkt., 10c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20; 5 lbs., \$5.25, postpaid.



DETROIT DARK RED TURNIP

Main crop variety unequalled for its desirable size, shape and color. Produces the largest crop of any variety. The extra selected strain that we carry is readily sought for by the market gardening trade. Pkt., 8c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.15; 5 lbs., \$4.65, postpaid.

EXTRA EARLY DARK BLOOD TURNIP

Beautiful color and shape, only a few leaves, very small tap root without any side roots. Very smooth and large for an extra early variety. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00; 5 lbs., \$4.35, postpaid.



CROSBY'S EGYPTIAN BEET

A first early strain of this variety which we consider unequalled in any other variety. The roots are slightly flattened, as illustration shows, making it globe-shaped. This strain is very smooth. The outside color is a dark blood-red with the flesh a shade lighter showing no pronounced zones. An ideal variety for bunching. Decidedly tender and sweet. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00; 5 lbs., \$4.35, postpaid.

NOTICE: If you are in the market for large quantities of beet seed, 10 lbs. or over, write for special quotations.



MARKET GARDENERS OR HALF LONG

An excellent winter variety. Smooth, rich dark red, tender and crisp. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.60, postpaid.

CRIMSON PURPLE GLOBE

A second early main crop variety, medium size globe shaped, no side roots and perfectly smooth. The foliage is small, purple bronze in color. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00; 5 lbs., \$4.35, postpaid.

IMPROVED EXTRA LONG DARK BLOOD BEET

By careful selection this has been brought to a standard of excellence, uniform in size and shape, very smooth, dark red and sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.60, postpaid.



SHUMWAY'S EXTRA EARLY DARK BEAUTY

(See Basket on Back Cover)

One of the earliest beets we offer. Beautiful oval shape with a rich dark red color. The flesh is fine grained and cooks up very tender, its flavor is superb. Practically free from side roots and appears very smooth, thus making a good appearance on the market. Pkt., 8c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.15; 5 lbs., \$4.65, postpaid.

BEET CULTURE

1 oz. will sow 50 ft.; 5 to 6 lbs. to the acre

Beets can be sown about the middle of April for the first planting, in the latitude of Northern Illinois. For rotation continue planting every two weeks up to the first of August. The rows should be 18 inches apart; after seeding the soil should be firmly packed down around the seed. Thin out the plants so that they will stand three to four inches apart. Those taken from the rows may be transplanted into other rows or used for beet greens.



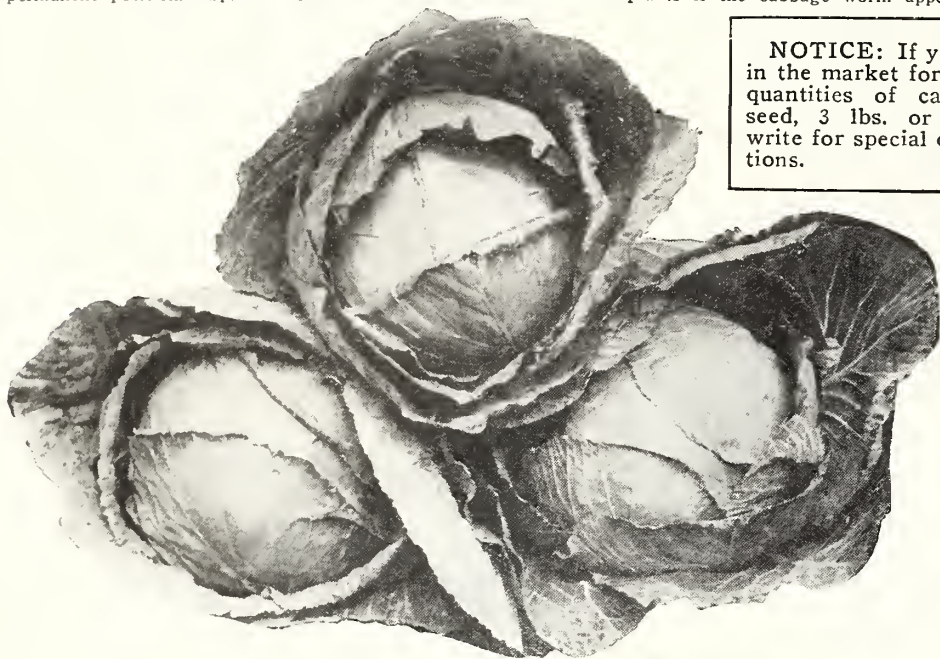
EXTRA EARLY EGYPTIAN

Considered the best variety for forcing an early crop. Roots are dark red, round top and flat beneath, not many tops. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00; 5 lbs., \$4.35, postpaid.

Cabbage

One of the vegetables enjoyed the year around. About the last of February or the first of March sow the seeds of early varieties in a box, transplanting the seedlings into flats a fair distance apart as soon as they are large enough to transplant. When the weather permits set out of doors each day for a little air to help harden them off. About the middle of April, in the latitude of Northern Illinois, or first of May, set into the open ground in rows 2½ feet apart, the plants about 2 feet apart in the row, keep well cultivated. The same method may be used with the second early varieties, transplanting them about the middle of May into the open ground. At this time plant the seed of the late winter varieties in the open ground, about July 1st they are ready to be set into their permanent position. Sprinkle SLUG SHOT or Kalite over the plants if the cabbage worm appears.

NOTICE: If you are in the market for large quantities of cabbage seed, 3 lbs. or over, write for special quotations.



COPENHAGEN MARKET

One of the earliest large heading varieties. Now in great demand and used extensively to follow first early, very popular with the market gardeners. Heads solid, round and perfect form, weighing about 10 pounds. This variety outyields the other early varieties per acre on account of its compact growing as they can be set closer together. Pkt., 10c; oz., 35c; ¼ lb., 90c; ½ lb., \$1.75; lb., \$3.25.

EARLY SUMMER

A second early variety, maturing large, solid, flat heads with short outer leaves, therefore can be planted very close in rows. Pkt., 10c; oz., 25c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.25.



EARLY JERSEY WAKEFIELD

An extra early cone shaped head cabbage. Its carliness and hard heading makes this one of the most desirable for early markets. Successfully grown anywhere in the United States. Seed we have to offer of this variety is produced on Long Island, generally conceded as producing the finest seed. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50.



CHARLESTON WAKEFIELD

This variety is very similar to Jersey Wakefield but it is a few days later and the heads considerably larger. Long Island seed from selected stock. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50.



GOLDEN ACRE

This variety is a selection out of Copenhagen Market; selected to produce earlier and smaller heads than the parent type. Heads are round, solid, and of excellent quality. The compact plants have few outer leaves. The leaves are light green and thick. This strain we consider very superior, known to be uniform in size, shape and maturity. Pkt., 10c; oz., 45c; ¼ lb., \$1.40; ½ lb., \$2.75; lb., \$5.25.



NEWARK EARLY DUTCH

Also known as Stein's Early Flat Dutch. A valuable second early variety, solid heads weighing 10 to 12 lbs. Considered one of the best in this class, as it stands long without bursting. This variety used extensively by the cabbage growers in Texas. Pkt., 10c; oz., 25c; ¼ lb., 65c; ½ lb., \$1.25; lb., \$2.35.



GLORY OF ENKHUIZEN

An excellent medium early short stemmed cabbage that is widely used in the Cabbage growing sections. A very fine shipper. Medium sized dark green heads, very nearly round. It is larger and a little later than Copenhagen Market and produces a heavy tonnage per acre. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50.



EXTRA EARLY EXPRESS

Compact oval head large for the size of the plant. Thicker and less pointed than the Wakefield type. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50.

Yellows Resistant Varieties :

Within the last twelve years the spread of the disease known as cabbage yellows has become very pronounced and can now be found over the entire middle west.

Various governmental experiment stations have been working on this problem and we are now able to offer two varieties which are very largely immune to the disease.

The disease is easily identified by the gradual yellowing of the plant, beginning generally on one side and spreading around until the whole plant dies. If you notice this condition on your place or in cabbage near you, Yellows resistant strains should be planted.

Seeds of Resistant Strains are in short supply.



WISCONSIN HOLLANDER NO. 8

Bred for resistance from a good strain of Danish Ball Head, produces large round heads, very heavy crop and an excellent storage cabbage. Pkt., 15c; oz., 50c; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.25.

WISCONSIN ALL SEASONS

A medium season flattened cabbage bred from one of the old standard varieties to be especially immune to Yellows disease—produces a large head and is well bred, uniform and hardy. An excellent Kraut cabbage. Pkt., 15c; oz., 50c; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.25.



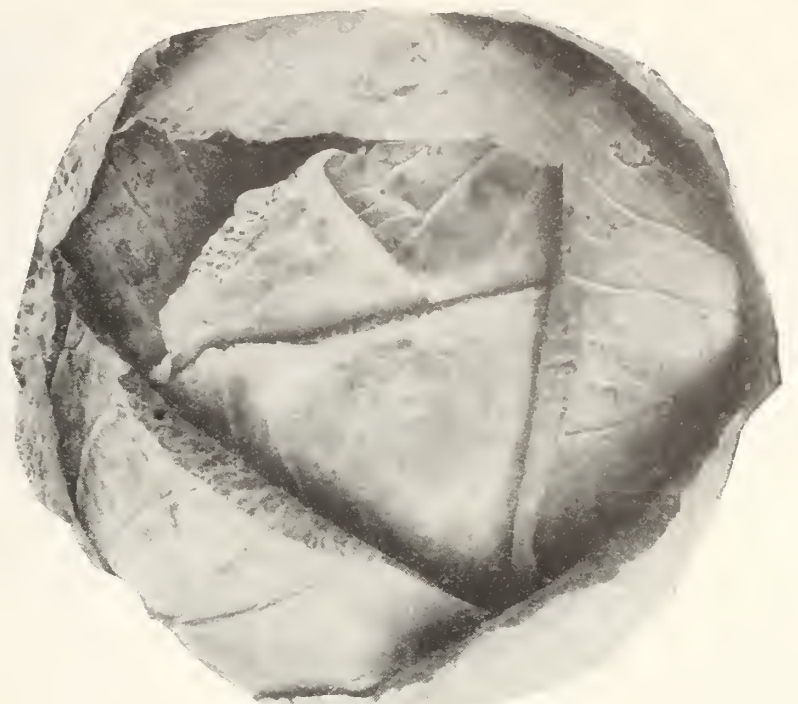
EXCELSIOR LATE FLAT DUTCH

A variety which produces very large heavy flat uniform heads. When opened the leaves are very white, crisp and tender. A good keeper. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50.



ALL SEASONS

A good second early variety of the Drumhead type. Large solid heads. An exceptionally good keeper for mid-season, and an excellent kraut variety. Pkt., 8c; oz., 25c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.25.



PREMIUM LATE FLAT DUTCH

This is the most popular of the late flat-headed varieties. Selected strain of this variety which produces solid uniform heads of finest quality. Sow the seeds in the open ground and thin out or transplant into the proper distance apart in the row. Pkt., 10c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.30; lb., \$2.50.

AUTUMN KING

It is one of the most popular of the late flat headed varieties for the market. Dark green leaves, solid flat head, a good keeper, fine quality for both home and market. Pkt., 8c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.25.

IMPROVED LARGE LATE DRUMHEAD

A standard late sort which heads well and keeps well. Extra selected strain. After many years selecting seed a perfect header is obtained. It opens very white and crisp. It has all the valuable qualities to be found in any large late variety. Heads are large and heavy. Sells well in the markets. Pkt., 10c; oz., 23c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50.



HARTMAN'S RESELECTED COPENHAGEN MARKET

This is a selection made by the introducer of Copenhagen Market. It has the same general shape as the parent but is selected for a small solid heading variety. Heads 4 to 6 lbs. Without doubt this is the best variety to grow for market as so many people nowadays want a small heading cabbage. Pkt., 15c; oz., 50c; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.25.



SHUMWAY'S IMPROVED SUREHEAD

Produces very large perfect shaped heads similar to Flat Dutch, uniform in shape and very sure heading. None have finer texture. Very popular variety for market as well as home use. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50.

Celery



GOLDEN SELF BLANCHING

The peer of yellow varieties. It is dwarf in nature forming large bunches with broad heavy stalks, which are sweet, tender, and crisp. It is considered one of the best table varieties. Market gardeners and truckers use this sort for supplying big markets where it always meets with ready sale. Extra selected stock. Pkt., 12c; oz., 45c; ¼ lb., \$1.35; ½ lb., \$2.60; lb., \$5.00.



GOLDEN PLUME OR WONDERFUL

(See Basket on Back Cover)

A new variety which evidently is a selection out of Golden Self Blanching, however, it withstands the heat and blight better. A beautiful shade of gold in color, very brittle and excellent table quality. It blanches quickly with a full heart and good growth of outer stalk. A very desirable variety. Pkt., 15c; oz., 90c; ¼ lb., \$3.25; ½ lb., \$6.00.



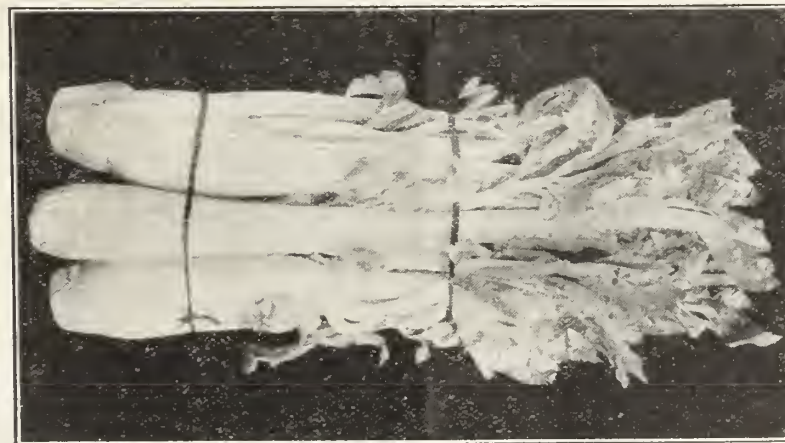
WHITE PLUME

Considered the best white variety. Market gardeners use this extensively because of its crisp, tender eating qualities, making it meet with ready sale. In growth it is vigorous, large size and uniformly white. An excellent variety when celery is in season. Not recommended as a keeper. We carry only selected stocks of this variety. Pkt., 10c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.45; lb., \$2.75.



GIANT WHITE SOLID

An improved strain of White Solid. Very crisp, tender, rich nutty flavor. Very compact grower making it a good keeping variety. Pkt., 8c; oz., 22c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.25.



KALAMAZOO

A variety creamy white in color, large size, of perfect shape, straight, solid and of excellent flavor. A beautiful appearing celery in the market, meeting with ready sale. Pkt., 8c; oz., 22c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.25.



GIANT PASCAL

This is a selection from Golden Self Blanching retaining many of the qualities of that variety with the added keeping qualities. The stalks are solid, large, crisp and have a rich nutty flavor. The heart is golden yellow blanching very easily and quickly. Without a doubt the best fall and winter sort. One of the favorites of the market gardeners. Pkt., 10c; oz., 30c; ¼ lb., 80c; ½ lb., \$1.50; lb., \$2.90.

CELERY CULTURE

Many people are under the impression that Celery is difficult to grow. It is not; where you have the proper soil and follow this method: Start the seed indoors and transplant into the open ground about the middle of May. The soil should be light and rich. Set the plants about 8 inches apart; where the soil is quite rich they may be grown closer. Do not cultivate around the Celery when it is wet with dew or rain. Keep well cultivated and fertilized.

CELERIC-TURNIP ROOTED CELERY

A vegetable deserving of wider cultivation. When cooked and prepared in a salad it is very tasty. It has a rich celery flavor. They are nice creamed or used in soups to add the delightful celery-like flavor. The roots keep well when stored and will last well into the winter. Pkt., 10c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.45; lb., \$2.75.

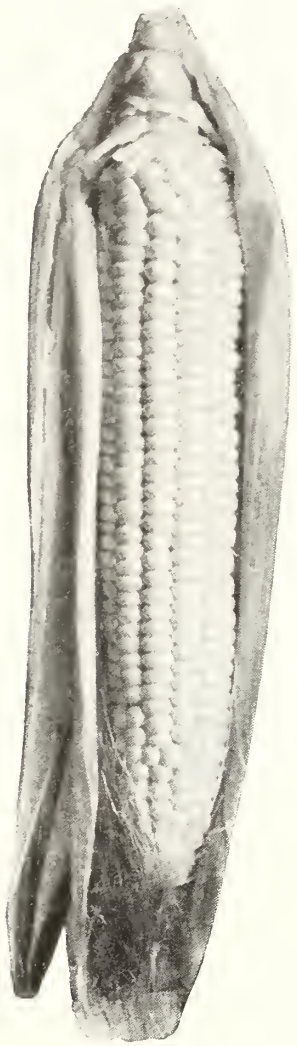
CHICORY OR FRENCH ENDIVE

Witloof. An easily grown vegetable requiring little care. Sow the seed in the spring and store the roots, in the fall, in sand until wanted for growing in the winter, at which time they may be forced and the white celery-like stalk cut off and used in salads. In general demand in the better restaurants and hotels. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., 95c; lb., \$1.75.



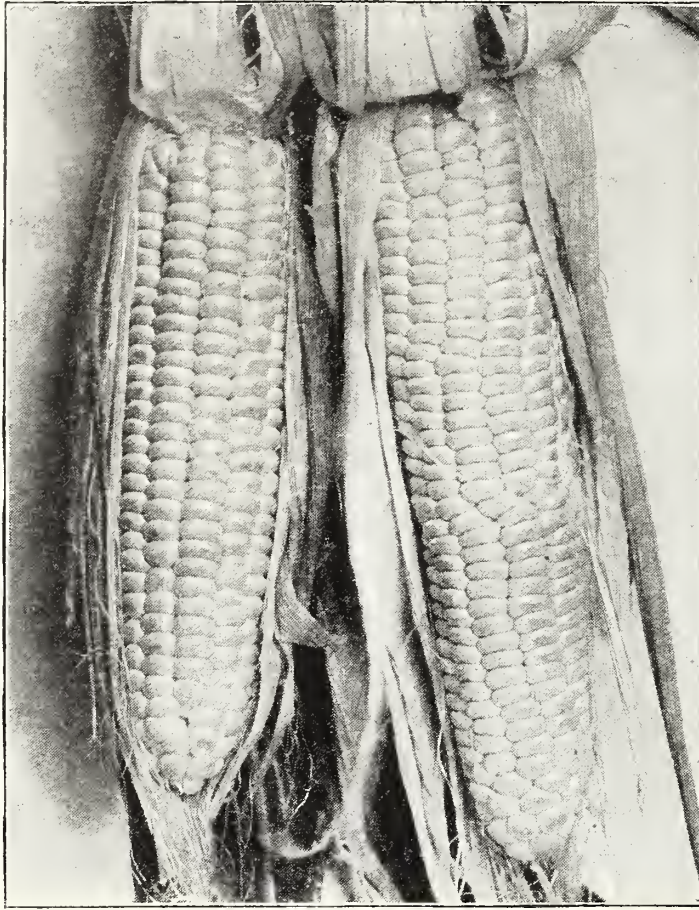
Sweet Corn

CULTURE: Do not plant too early, as the seed is liable to rot in cold ground. If the spring is early it is well to risk part of your seed, as the plants, very often, when they are once up, escape injury of early frost. Plant either in rows or hills, the rows 3 feet apart, and thin out the plants so they will stand 10 to 12 inches apart in the row.



HOWLING MOB

A second early large-eared sweet corn. The season is about the same as Champion Sugar, but the ears are a little larger and the kernels are smaller. Flavor cannot be excelled by any variety. This sort always meets with ready sale on the market, in fact it dominates some markets. Pkt., 10c; ½ lb., 18c; lb., 34c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (50 lbs.), \$8.25.



GOLDEN SUNSHINE

(See Basket on Back Cover)

This variety was bred up by Prof. A. F. Yeager of the North Dakota Agricultural College. Up to the present time there is no yellow variety produced that is earlier or better. We can vouch for this through our own trials. The following are the main characteristics of this variety: the ears are from 6 to 8 inches in length, yellow in color, and carry 12 rows of kernels. It reaches the roasting ear stage from 3 to 10 days before Golden Bantam. It stays in table quality stage longer. The stocks grow about 5½ feet tall and bear the ears about 15 inches from the ground. This variety certainly bears our endorsement. Pkt., 10c; ½ lb., 20c; lb., 38c; 2 lbs., 72c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.10; 25 lbs., \$4.90; 50 lbs., \$9.75; 100 lbs., \$19.00; 1 bu. (50 lbs.), \$9.75.

Due to the drought during the summer of 1930, Sweet Corn was badly curtailed in supply. The late varieties suffered the worst. It is doubtful if we will have sufficient stock of the late varieties to take care of the usual late trade. We suggest that you order your Sweet Corn as early as possible, do not leave it until a short time before you require it.

TRUE GOLDEN BANTAM (SELECTED STOCK)

By far the most popular of all the first early varieties of sweet corn. Two ears to the stalk which are about 6 inches in length with 8 rows of beautiful golden kernels. This variety is raised extensively by market gardeners and by the amateur gardener. Many people are under the impression that any golden yellow corn is Golden Bantam. This is not true. The true stock of Golden Bantam is 6 to 7 inches long with 8 rows of kernels, no more, hence the fact that we are listing this as True Golden Bantam. Pkt., 10c; ½ lb., 18c; lb., 34c; 2 lbs., 65c; 5 lbs., \$1.50, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu., \$8.25.

CHAMPION SUGAR

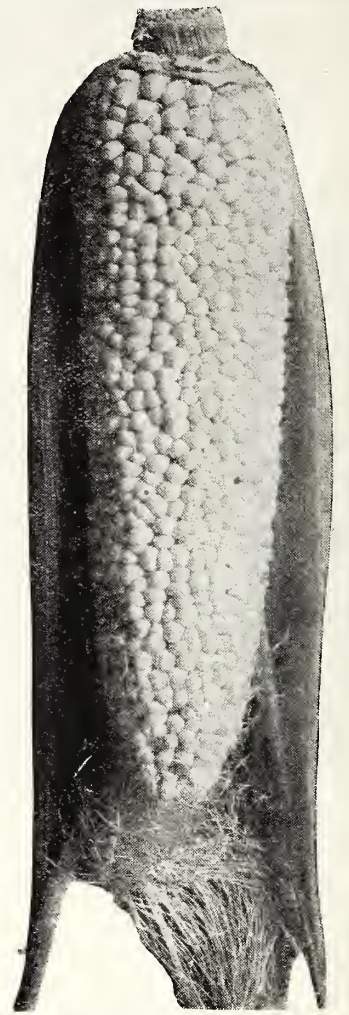
Second early variety which ranks highly in the markets. This is considered one of the earliest large sweet corns. Medium sized ears with 12 uniform rows, pure white kernels, tender and sweet. Pkt., 10c; ½ lb., 18c; lb., 34c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (50 lbs.), \$8.25.

SHUMWAY'S EXTRA EARLY MARKET GARDENERS

An outstanding luscious early strain of sweet corn. An exceptional variety as the name implies for market gardeners. The kernels are silvery-white and extremely sweet. It remains in table quality for a considerable period which makes it particularly profitable. In this variety we consider we have one of the best varieties of sweet corn offered. ½ lb., 18c; lb., 35c; 2 lbs., 66c; 5 lbs., \$1.45, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.85; 25 lbs., \$4.60; 50 lbs., \$9.00; 100 lbs., \$17.50; 1 bu. (50 lbs.), \$8.85.

KENDALL'S EARLY GIANT

A standard large early variety for market and family use. Very prolific, sometimes 3 ears to the stalk, 12 rows pure white, tender, milky kernels. Pkt., 10c; ½ lb., 18c; lb., 34c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (50 lbs.), \$8.25.

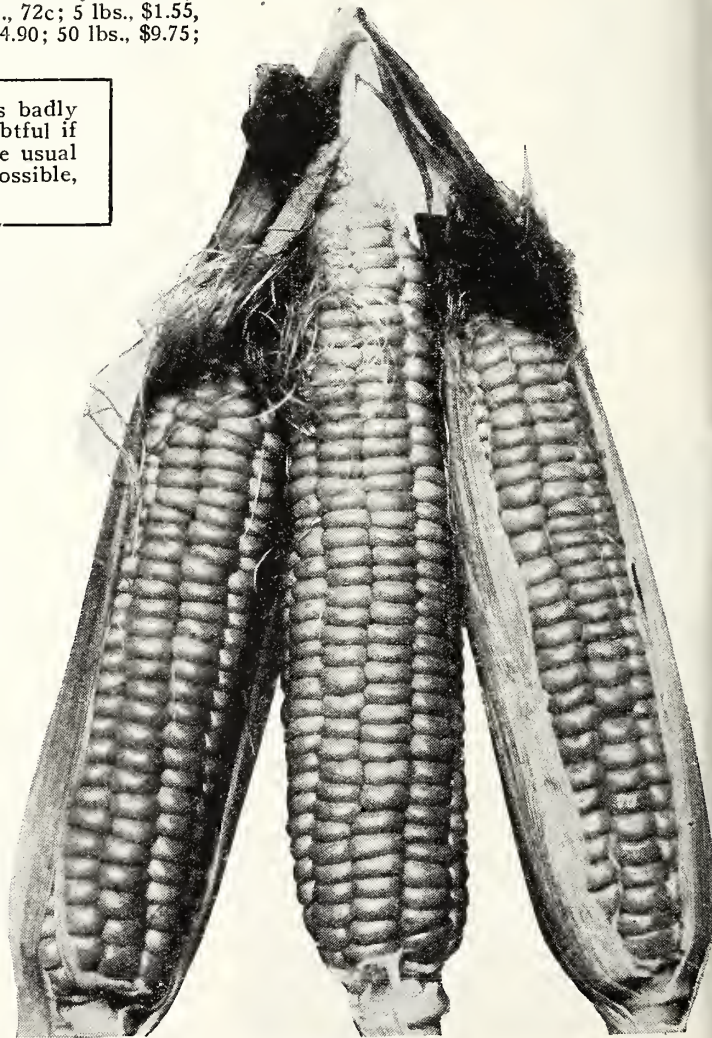


COUNTRY GENTLEMAN

It is readily recognized by its irregular arrangement of the kernels on the cob. The kernels are plump, milky, pearly white and tender, very deep. The husk of this variety is very heavy which protects the cob and keeps the corn in edible condition for a long time. Each stalk usually produces 3 ears of corn, 8 to 9 inches long, small cob, deep grain. Pkt., 15c; ½ lb., 27c; lb., 50c; 2 lbs., 95c; 5 lbs., \$2.25, postpaid. Not prepaid, 5 lbs., \$1.65 (seed stock practically a failure this year).



Market Gardeners



Golden Bantam

Pop Corn



AUSTRALIAN HULLESS

Also known as Japanese Rice. A dwarf growing variety that is a very heavy yielder. Ears are peculiar in form, being nearly as broad as they are long. The kernels are very similar to those of White Rice. It is considered the best popping variety as it pops without hull or shell. Pkt., 5c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.40, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.80.

WHITE RICE

The old standard variety which has been in use for many years. Long ears with very sharp kernels, very prolific variety as ears are usually produced 3 or 4 to the stalk. Pkt., 5c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c, postpaid. lb., 35c; 2 lbs., 60c; 5 lbs., \$1.40, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.80.

QUEEN'S GOLDEN

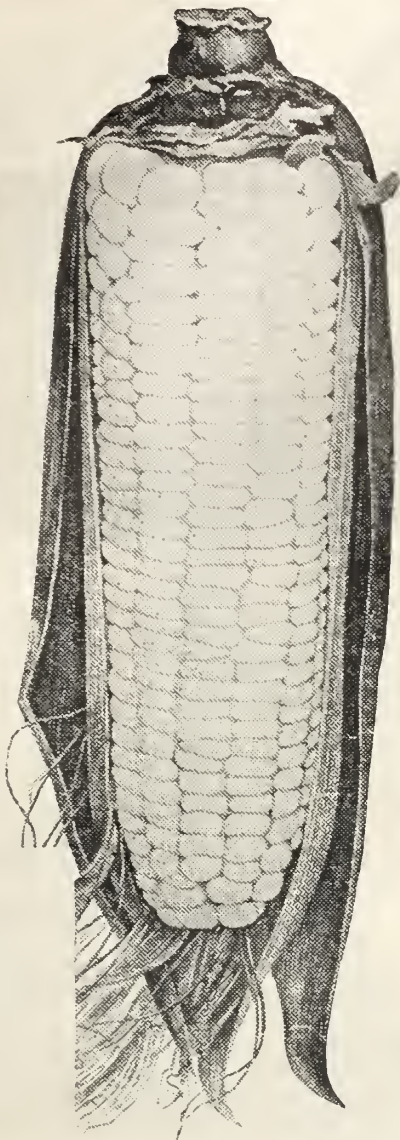
This variety produces the largest ears of any and in great abundance. The kernels are orange-yellow in color, round and very smooth. It pops a creamy white. Pkt., 5c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.40, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.80.

WHITE MEXICAN

A good large extra early variety that has become very popular in many places on account of its superb quality, size and earliness. It is rich and sweet and is ready for use shortly after Mammoth White Cory. A variety we recommend highly. Pkt., 8c; 1/2 lb., 18c; lb., 34c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (50 lbs.), \$8.25.

BLACK MEXICAN

Considered the most delicious, sweetest corn grown. To those who know it no other variety can take its place. Gaining in favor annually. The ears are 8 inches long and 10 rows, kernels when the corn is ready to eat are white but the ripe kernels are a bluish black. It is the most desirable second early variety for private use. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.80; 25 lbs., \$4.35; 50 lbs., \$8.10; 100 lbs., \$16.00.



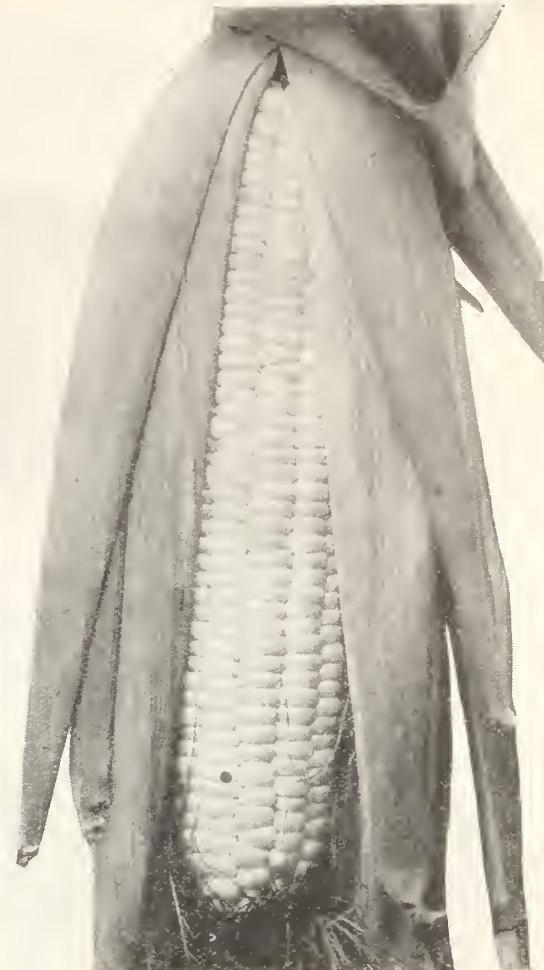
EXTRA EARLY ADAMS

This is not a sweet corn but nevertheless is prized highly for roasting ears, being ready for table use 65 days after planting. Very prolific and makes very fine food for stock. Pkt., 6c; 1/2 lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00, postpaid. Not prepaid, 5 lbs., 65c; 10 lbs., \$1.20; 25 lbs., \$2.75; 50 lbs., \$5.25; 100 lbs., \$10.00; 1 bu. (50 lbs.), \$5.25.



GOLDEN EVERGREEN

This variety was produced by hybridizing Golden Bantam and Evergreen. It retained the color and quality of Golden Bantam and took very nearly the size of the Evergreen. It is considered one of the sweetest varieties of corn that is grown today. A favorite wherever offered. Pkt., 10c; 1/2 lb., 22c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.15; 25 lbs., \$5.10; 50 lbs., \$10.00; 100 lbs., \$19.50; 1 bu. (45 lbs.), \$8.85.



STOWELL'S EVERGREEN

This is the standard late variety for family and market gardeners' use. Excellent for canning. Stalks 7 to 8 feet high, producing ears 8 to 10 inches long and about 16 rows of very fine quality corn. Pkt., 10c; 1/2 lb., 22c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60, postpaid. Not prepaid, 5 lbs., \$1.15; 10 lbs., \$2.20; 25 lbs., \$5.25; 50 lbs., \$10.25; 100 lbs., \$20.00; 1 bu. (45 lbs.), \$9.10.

EARLY EVERGREEN

Eight to ten days earlier than Stowell's Evergreen. Remains in edible condition a long time, making it a very desirable variety for the trucker as well as the home garden. The ideal strain of Evergreen for the Northern part of the country. Pkt., 10c; 1/2 lb., 20c; lb., 38c; 2 lbs., 70c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.10; 25 lbs., \$4.90; 50 lbs., \$9.75; 100 lbs., \$19.00; 1 bu. (50 lbs.), \$9.75.

SELECT WHITE EVERGREEN

This is a decided improvement on all the other strains of Evergreen. The ear is pure white, the kernels are long and slender. The stalks are strong and vigorous, producing ears 8 to 10 inches long, 16 rows. This strain stays "in the milk" for a long time, therefore it remains in market condition longer than the other varieties. Pkt., 10c; 1/2 lb., 22c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60, postpaid. Not prepaid, 5 lbs., \$1.15; 10 lbs., \$2.20; 25 lbs., \$5.25; 50 lbs., \$10.25; 100 lbs., \$20.00; 1 bu. (45 lbs.), \$9.10.

MAMMOTH, EARLY SUGAR

A large strain of the Evergreen type. This variety produces well both in ears as well as foliage, making an abundant supply of fodder. Pkt., 8c; 1/2 lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.70; 25 lbs., \$4.00; 50 lbs., \$7.75; 100 lbs., \$15.00; 1 bu. (50 lbs.), \$7.75.

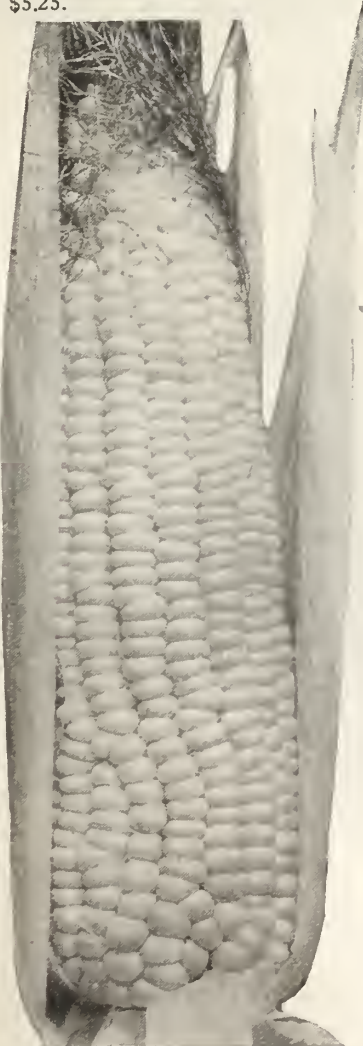
Early Sweet Corn, 50 lbs. to the bushel
Late Sweet Corn, 45 lbs. to the bushel

MAMMOTH WHITE CORY

The popular extra early white variety. Known for its earliness, sweetness, and good size. The ears are long with the rows set very close and compact on the cob. There isn't a variety of better quality for table use. The market gardeners use largely of this variety to supply the early market. Pkt., 8c; 1/2 lb., 18c; lb., 34c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (50 lbs.), \$8.25.

EARLY MINNESOTA

A variety producing fair sized ears, 8 to 10 rows of very sweet, tender kernels. A very productive variety only a few days later than Mammoth White Cory. Pkt., 7c; 1/2 lb., 15c; lb., 28c; 2 lbs., 52c; 5 lbs., \$1.15, postpaid. Not prepaid, 5 lbs., 75c; 10 lbs., \$1.40; 25 lbs., \$3.30; 50 lbs., \$6.50; 100 lbs., \$12.75; 1 bu. (50 lbs.), \$6.50.

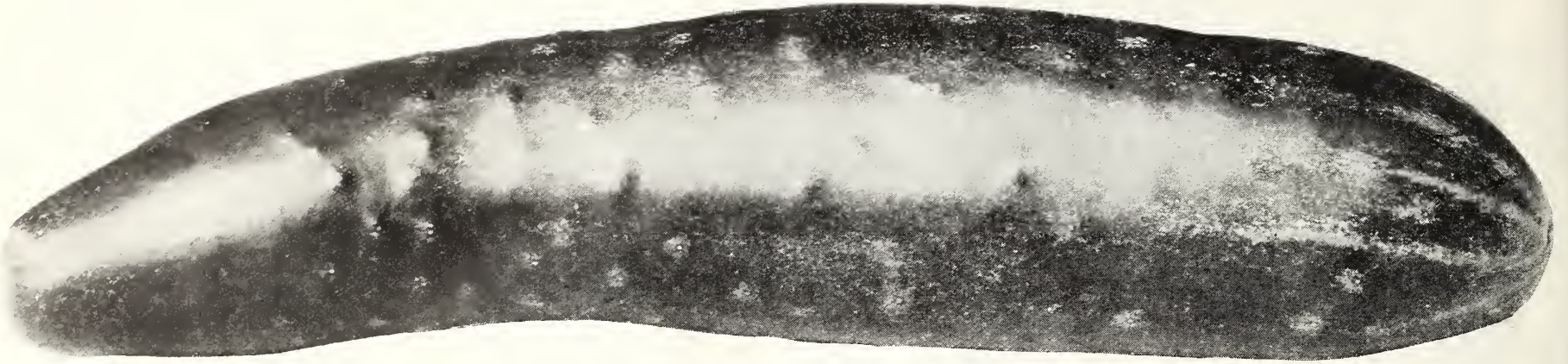


White Mexican



Mammoth White Cory

Cucumbers



SHUMWAY'S LONGFELLOW

Without doubt the finest of the large white spine varieties. Its extreme length, its dark green color, and well balanced shape makes this a distinctive variety. It is a very shy seeder and quite prolific. This strain can be forced under glass as well as being grown in the open. Selecting the fruits from this variety one can readily secure the top prices in the market for them.

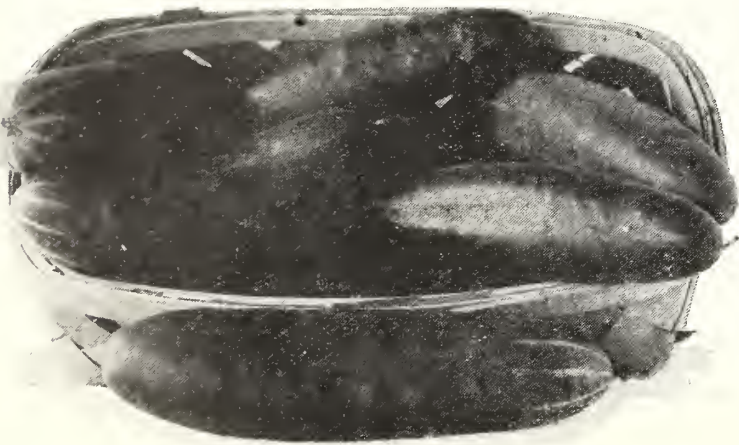
The fruit of Shumway's Longfellow is so long that they will take on the

contour of the soil on which they are growing. If perfectly straight stock is desired it would be well after the fruit is set to place a shingle underneath them or at least level the ground under them. With this extra effort one can secure remarkable specimens. Its size is 15x2½ to 3 inches, weighing approximately 2½ lbs. Edible in 74 days from time of planting. Pkt., 10c; oz., 30c; ¼ lb., 85c; ½ lb., \$1.50; lb., \$2.75; 5 lbs., \$12.00, postpaid.

CULTURE

Cucumbers may be planted in the open ground as early as the ground is workable, but it is better to delay the planting until the weather has become settled and warm. Cucumbers for pickles should be planted from June until the middle of July. Sow the seed in hills 4 to 6 feet apart in a rich loamy soil, thinning out the hills after the plants are established so that there will be 4 of the strongest plants remaining. This of course is not to be done until the danger of the insects is over.

The worst enemy of the cucumber is the Striped Cucumber Beetle. The best remedies for this insect are "SLUG SHOT" or "Kalite" and for the Aphis use "EVERGREEN" or "Shep's Plant Spray."



DAVIS PERFECT

A long smooth cucumber tapering to both ends. It is the most popular of the white spine strains. A very shy seeder. It is deep green in color when in the slicing stage. Deliciously crisp flavor. May be forced in greenhouses. Length, 10 to 12 inches; diameter about 2½ inches. Pkt., 10c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.25; 5 lbs., \$5.25, postpaid.

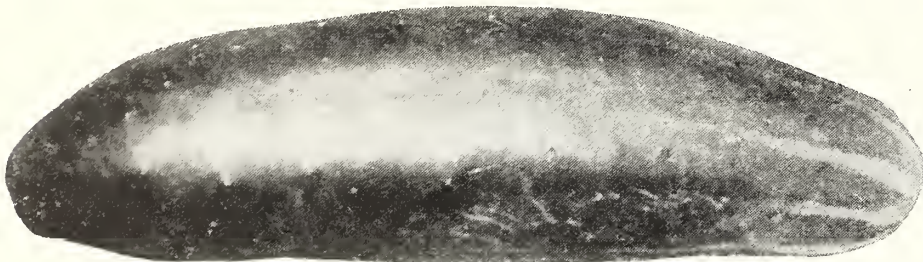
NOTICE: If you are in the market for large quantities of cucumber seed, 10 lbs. or over, write for special quotations.



EARLY FORTUNE

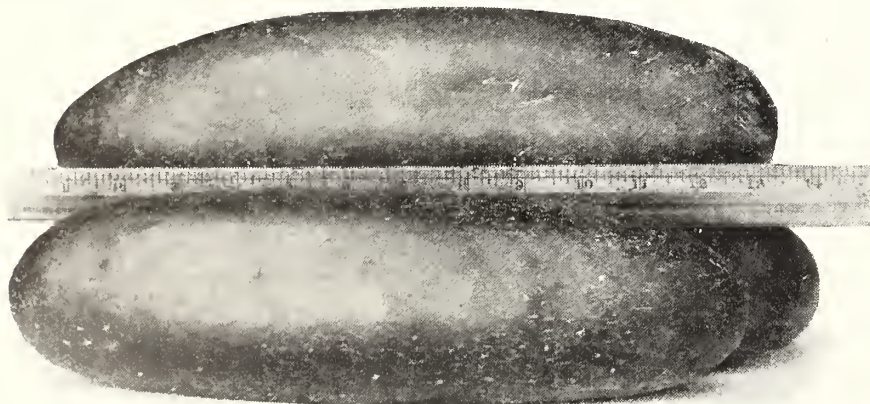
(See Basket on Back Cover)

Without a doubt one of the best long distance shipping cucumbers. It holds its dark green color and remains in an edible condition longer than any other white spine strain. The fruits are uniform and symmetrical. A variety used extensively by truckers and market gardeners. Its size when mature is 9½ inches long by 2½ inches in diameter. Edible in 65 days. Pkt., 10c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.25; 5 lbs., \$5.25, postpaid.



FORDHOOK PICKLING

Similar in size and shape to Cool and Crisp. The fruits taper at both ends with warts mostly toward the stem end. Early prolific and a desirable variety for slicing as well as pickling. Size 8 by 3 inches. Edible in 54 days. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.25; 5 lbs., \$5.25, postpaid.

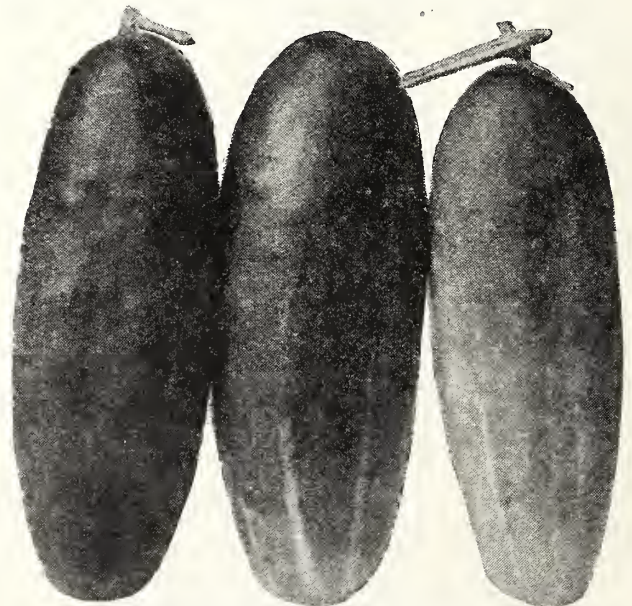


IMPROVED LONG GREEN

The standard variety for slicing or pickling. It is extremely prolific, medium late, hardy and disease resistant. The ends taper a little and are slightly warted. For general purposes it has no superior. Matured fruit 13 by 3 inches. Edible in 62 days. Pkt., 10c; oz., 15c; ¼ lb., 45c; ½ lb., 75c; lb., \$1.40; 5 lbs., \$5.85, postpaid.

EXTRA EARLY LONG GREEN

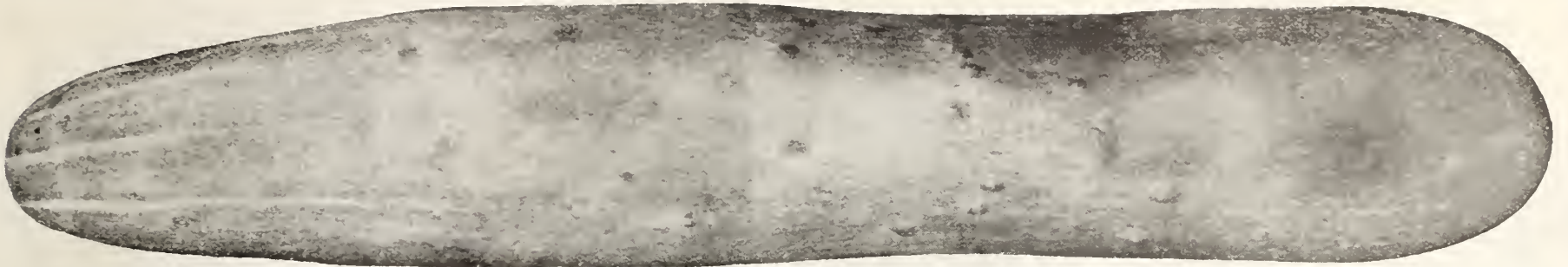
A selected strain of Long Green with white crisp flesh. Very rapid grower and productive in any soil or climate. Not many seeds, which adds to its desirability. Beautiful color and attractive shape. When mature the fruit measures about 10 by 3 inches. Edible in 60 days. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10; 5 lbs., \$5.00, postpaid.



SHUMWAY'S FANCY PICKLING

(See Inside Front Cover)

A perfected strain of the pickling varieties, sometimes called Snow's Pickling. The cross for this variety was suggested by R. H. Shumway and worked out with Mr. Snow, who was one of the early cucumber picklers of the country. This variety is perfectly symmetrical in shape with no small or pointed ends. This is the variety generally used by pickling works today as they are big yielders of excellent quality. Pkt., 10c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20; 5 lbs., \$5.25, postpaid.



SHUMWAY'S GREAT GIANT CUCUMBER

This variety often grows to great size 18 to 24 inches long, if allowed to mature it would be 4 to 4½ inches in diameter. In the early stage it is an exceptional variety for slicing as it is crisp, a shy seeder and an excellent color. It is very

productive and certainly a variety to grow specimens to compete for prizes at County Fairs, Granges, and Agricultural shows. It creates wonderment wherever on display. Pkt., 10c; oz., 30c; ¼ lb., 85c; ½ lb., \$1.50; 1 lb., \$2.75; 5 lbs., \$12.00, postpaid.



WHITE WONDER (Crop Short)

A novelty with merit. It is white at all stages of its growth. Medium late and the ends are square and blocky. It is very prolific and its snow white color makes it attractive. Size is 7 by 2½ inches. Edible in 58 days. Pkt., 10c; oz., 25c; ¼ lb., 65c; ½ lb., \$1.10; lb., \$2.00, postpaid.



GREEN PROLIFIC

This variety is also known as Boston Pickling. It is in general use and is excellent for early uniform pickles. The fruits are cylindrical, square ends and quite smooth. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.00; 5 lbs., \$4.35, postpaid.

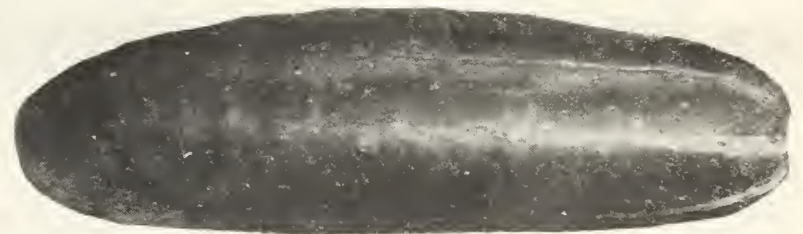
EVERGREEN

A large sort, deep green in color. Slow to turn after being picked. Very long, tender and crisp fruit. For pickling or slicing. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.00; 5 lbs., \$4.35, postpaid.



SHORT GREEN OR EARLY FRAME

Very early bright green cucumber. The ends are abrupt and the hardness is unexcelled. A little late in maturing, but fine for the second crop of picklers. Edible in 60 days. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.00; 5 lbs., \$4.35, postpaid.



COOL AND CRISP

A variety tapering at both ends with prominent warts. Nearly white when fully matured. An excellent sort for slicing. Size 8 by 3 inches. Edible in 55 days. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.00; 5 lbs., \$4.35, postpaid.

WESTERFIELD'S CHICAGO PICKLING

The most popular of the small early pickling varieties. Very uniform in size and shape, producing a great quantity of fruit. It meets the most exacting criticism of the pickle works. The vines bear continuously if the cucumbers are picked. When ripe the fruit measures 7 by 2½ inches. Edible in 58 days. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00; 5 lbs., \$4.35, postpaid.



WEST INDIA GHERKIN OR BURR

It is a native of Jamaica and is used for very small pickles. Must be used when young. Pkt., 10c; oz., 25c; ¼ lb., 75c.

EXTRA EARLY GREEN CLUSTER

A small variety supposed to grow in clusters near the roots. It is very early, prolific and uniform. A very popular pickling strain. The skin is smooth and ends taper slightly. Edible in 52 days. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.00; 5 lbs., \$4.35, postpaid.

SERPENT OR SNAKE CUCUMBER

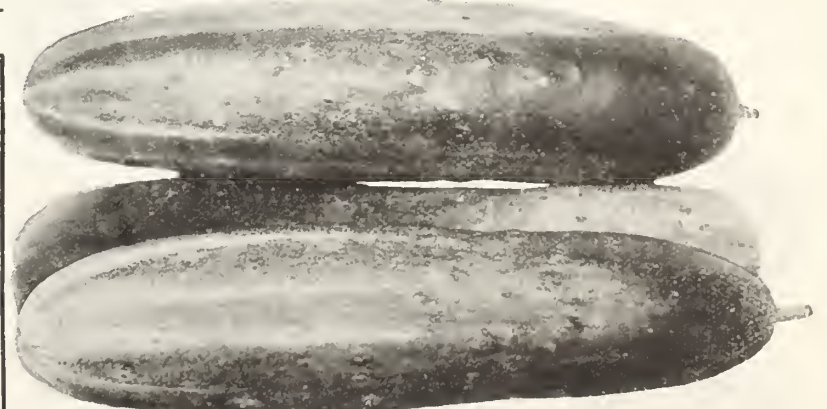
Really a muskmelon. Always classed, however, as a cucumber. The fruits are green, 24 inches long. Grows in a variety of interesting shapes. Not much value as an edible variety. Grown mostly as a curiosity. It never grows straight unless suspended. Pkt., 10c; oz., 40c.

THE GARDEN LEMON

The fruits are very small with lemon colored skin flecked with brown. An enormous yielder and its chief use is for salads. Very nice when stuffed with relishes. Pkt., 10c; oz., 25c.

JAPANESE CLIMBING CUCUMBER

A distinct variety used to cover trellises and fences. Very rugged and disease resistant. Edible qualities are superb. Size 9 by 2½ inches. Ready to use in 58 days. Pkt., 10c; oz., 18c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50.



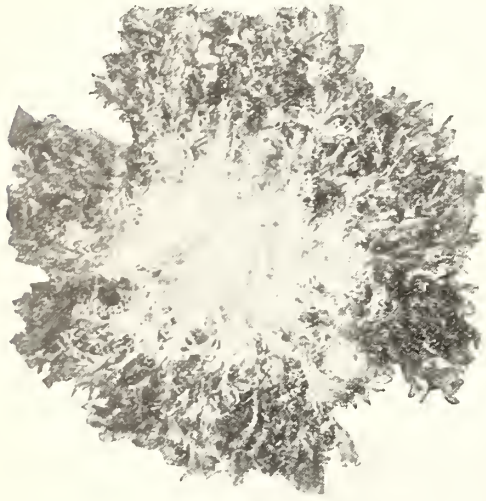
IMPROVED WHITE SPINE

One of the earliest and most prolific of cucumbers of the white spines. A variety in general use adapted for slicing or pickling. Color attractive and for the home garden as well as market gardens it remains very popular. Size, 7 by 2½ inches. Edible in 58 days. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10; 5 lbs., \$5.00, postpaid.

EVERBEARING

An extremely small early variety. If the fruits are kept picked during the growing season it will bear until killed by frost. Very productive and exceptionally good for small pickles. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.15; 5 lbs., \$4.75, postpaid.

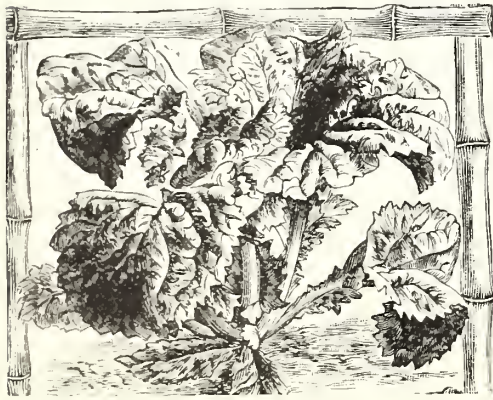
Endive



Extra Fine Moss Curled. One of the finest of all salads for fall and winter use. Very easily blanched as the leaves are very compact. Tender and crisp. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.10.

Broad Leaved Batavian. A favorite variety with wide ruffled edges. The inner leaves blanch readily to a creamy-white. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.10.

Mustard



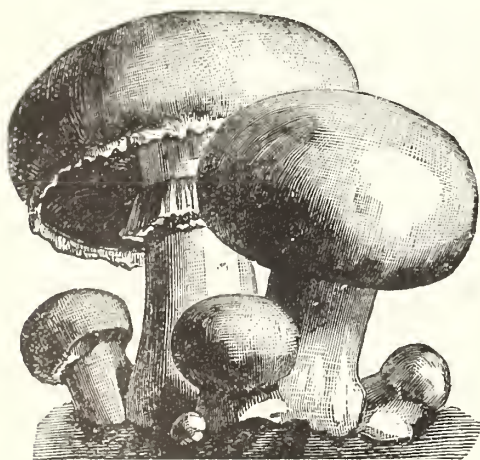
Chinese. Another vegetable used extensively for salads and greens. This variety very finely curled; beautiful in appearance. Pkt., 5c; oz., 8c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c.

Ostrich Plume. Leaves are beautifully curled. Very large plant producing a quantity of leaves. Pkt., 5c; oz., 8c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c.

Fordhook Fancy. Large light green leaves, well curled. Excellent for salads and greens. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c.

White Seeded. Leaves dark green and smooth, desirable for greens. Seeds are nice when used in preparing pickles. Pkt., 5c; oz., 8c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 50c.

Black Seed. The same as the above used for the same purposes. The only difference being in the seed. Pkt., 5c; oz., 8c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 50c.



MUSHROOM SPAWN

Mushrooms are readily produced in cellars by amateurs, if they will follow the instructions. A very palatable fungi when prepared with steaks or creamed on toast. Full cultural directions with each order. Per brick 35c; 3 bricks, \$1.00, postpaid. Not prepaid, 5 bricks, \$1.00; 10 bricks, \$1.80.

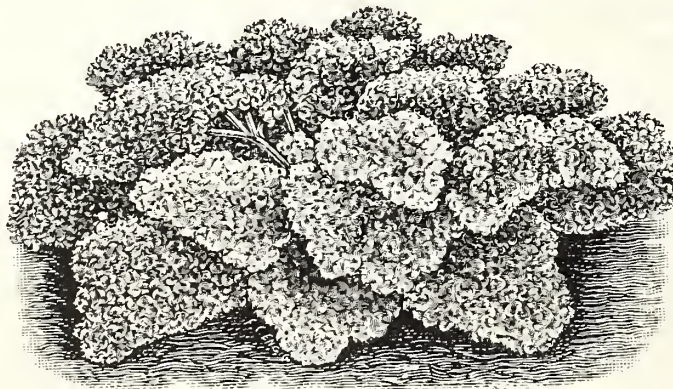
Egg Plant



Black Beauty. The earliest and best of the large fruited Egg Plants about 10 days earlier than New York. This is a main planting variety, the fruits are large, thick, heavy at the base and of a dark purplish black color. This variety is the outstanding one in the fancy vegetable markets. Pkt., 12c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; $\frac{1}{2}$ lb., \$2.75; 1 lb., \$5.00.

New York Purple. Large fruit, produced in great quantities on bush of low growth. Dark purple and excellent quality. Standard variety for market gardeners and shippers. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.40; $\frac{1}{2}$ lb., \$2.60; lb., \$4.85.

Parsley



Moss Curled. This variety is very curled, making a beautiful garnish. Good flavor, seasoning soups and meats very tastily, easily grown in the open or in pots. Every garden should have a planting. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 55c; lb., \$1.00.

Emerald Green. Suited for the same purposes as the above variety, but not quite so curly. Pkt., 7c; oz., 12c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c.

Hamburg or Turnip Rooted. The root which is the edible part resembles a small parsnip. This is widely grown and is used for flavoring soups, the foliage may be used as a garnish. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; 1 lb., \$1.50.



MARTYNIA

The seed pods when green may be picked and used in pickles. The flowers are very pretty and interesting. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

ORNAMENTAL GOURDS

A very interesting annual climber which rapidly covers fences, trellises or any unsightly places that one might wish to obscure from view. The ornamental fruit which they bear is very attractive. Mixed. Pkt., 8c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Dipper Gourd. Pkt., 10c; oz., 20c.

Sugar Trough. Pkt., 10c; oz., 20c.

Nest Egg. Pkt., 10c; oz., 20c.

Hercules Club. Pkt., 10c; oz., 20c.

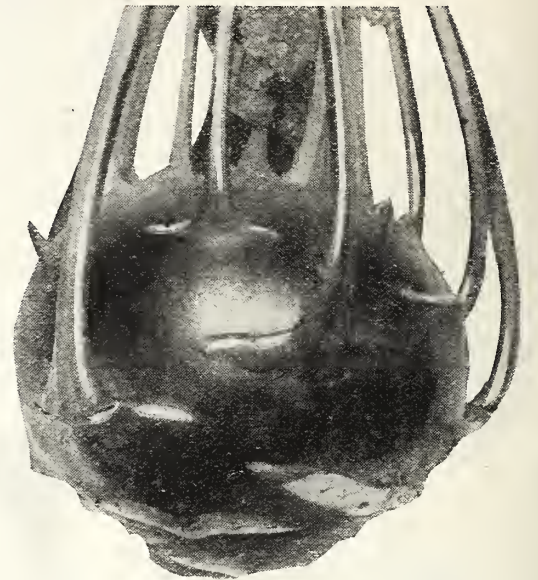
Calabash. Pkt., 10c; oz., 20c.



LEEK

American Flag Leaf. A vegetable regarded by many as very valuable for soups and salads. When sown in rich garden soil it is easily produced. Meets with ready sale on the markets. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50.

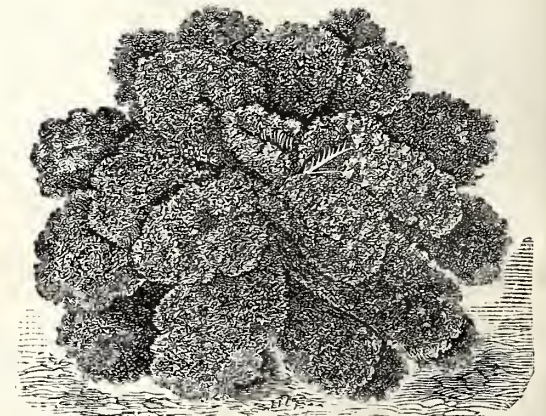
Kohlrabi



Early White Vienna. An intermediate vegetable between the turnip and cabbage. Very delicious when cooked the same as turnips. They are ready for use when about 2 to 4 inches in diameter. Sow in rows the same as radish or carrot, then thin so the seedlings stand 4 to 6 inches apart in the row. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.00; 1 lb., \$1.75.

Early Purple Vienna. Same as above, only the skin being purple, the flesh is white and of good flavor. Will stand the heat a little better. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.00; 1 lb., \$1.75.

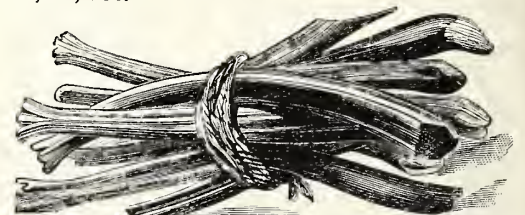
Kale or Borecole



Dwarf Curled Scotch. Excellent greens for winter or spring. Leaves bright green, curly and tender. Fine flavor. Frost improves it. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c.

Siberian. Grown at almost any season of the year, it makes excellent greens. This variety not so curled as the Dwarf Scotch. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c.

Tall Curled Scotch. A beautiful curled sort, strong spreading habit. Bright green in color. The plant holds the leaves well up off of the ground. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c.



RHUBARB OR PIEPLANT

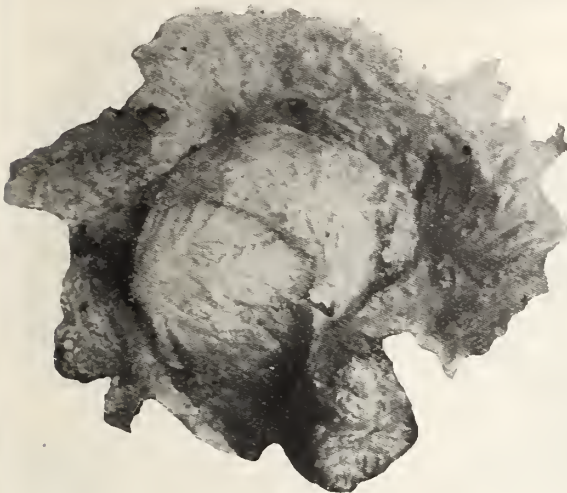
A well known useful plant, from which the stalks are used in making pies, sauce and wine. Many have been successful in canning it. A most healthful vegetable. Pkt., 7c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.40.



PEANUTS

The peanut can be grown in any part of the country. Plant in a warm, sunny location about corn planting time, not over 2 inches in depth. Do not cultivate nor disturb them after the stems spread over the soil, as the vines throw down little rootlets on which the peanuts are produced. $\frac{1}{2}$ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00, postage paid.

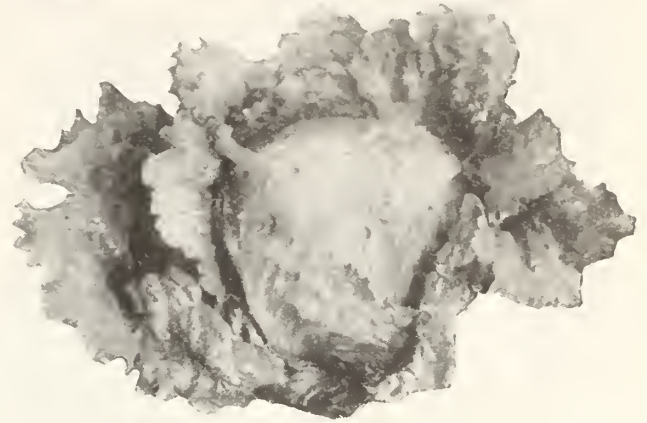
Lettuce



Iceberg

ICEBERG

Forms a large, compact curled, crisp head. Medium large with leaves wavy and fringed edge. A variety extensively used by market gardeners and lettuce shippers. Pkt., 8c; oz., 15c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75.



Hanson

HANSON

One of the best known old standard varieties. Crisp heading, good size, light green. The best lettuce of its class and of excellent quality. A variety used extensively by market gardeners and truckers. Pkt., 7c; oz., 12c; ¼ lb., 40c; ½ lb., 75c; lb., \$1.40.

CULTURE: Since the discovery of vitamins plays an important part in our diet, Lettuce has become a very popular vegetable; being served practically the year round as one of the important salads.

Leaf lettuce is very easily grown being started out of doors as early as the soil can be worked. It should be sown in rows and thinned out to the proper distance apart which will allow proper growth.

Head Lettuce is more difficult to grow. It requires a rich warm light quick soil, well fertilized. Should be kept well watered and transplanted, when about 2 inches high, about 15 inches apart which will allow proper cultivation. It

might be well to start indoors the head lettuce two to three weeks before you would plant the seed of the leaf varieties out of doors, then transplant the head lettuce into the ground at the same time you would plant the seed of the loose leaf lettuce.

New York, Big Boston, Hanson, and Iceberg are the best of the hard heading varieties. Grand Rapids for forcing. Black Seed Simpson, Early Curled Simpson and Prizehead are the best of the loose leaf lettuce.

Plant lettuce in quantity as it is an exceptionally good green food for baby chicks as well as full grown chickens.



BIG BOSTON

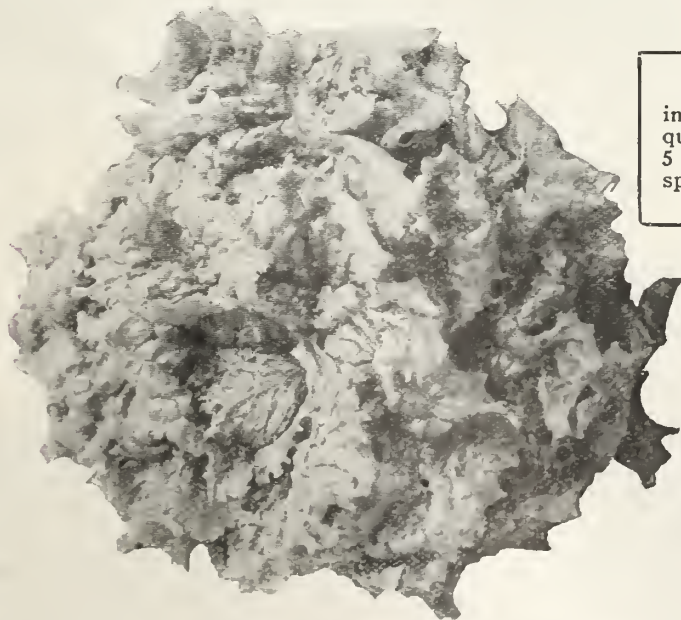
(See Basket on Back Cover)

Probably the most generally used head lettuce in cultivation. Butter type, medium large, light green with a slight tinge of brown on the edges of the outer leaves. It is early and hardy and stands shipping well. The head is very crisp and the interior a golden yellow. Pkt., 8c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50.



NEW YORK

This variety is listed under its true name. It has been given many others such as Los Angeles, Mountain Iceberg, Wonderful. A variety used extensively by the large lettuce growers of the Pacific Coast, Colorado and Idaho. It is crisp heading, large dark green, and leaves slightly curled on the edges. The mature head is globular and the market growers prefer it as the folded leaves over the head protect it from sunburn. This sort is distinct and is readily recognized at all stages of its growth. Without doubt the leading head lettuce. Pkt., 10c; oz., 18c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.30.



BLACK SEED SIMPSON

A non-heading bunching crisp light yellowish green variety. Early and of fine quality. This variety may be used for hot bed culture. This sort in general use. Pkt., 8c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50.

CHARTIER

A curled, crisp, medium size heading variety. Leaves are a beautiful shade of green with outer ones tinged with brown. Stands the heat well and slow to go to seed. Pkt., 6c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.25.

NOTICE: If you are in the market for large quantities of lettuce seed, 5 lbs. or over, write for special quotations.

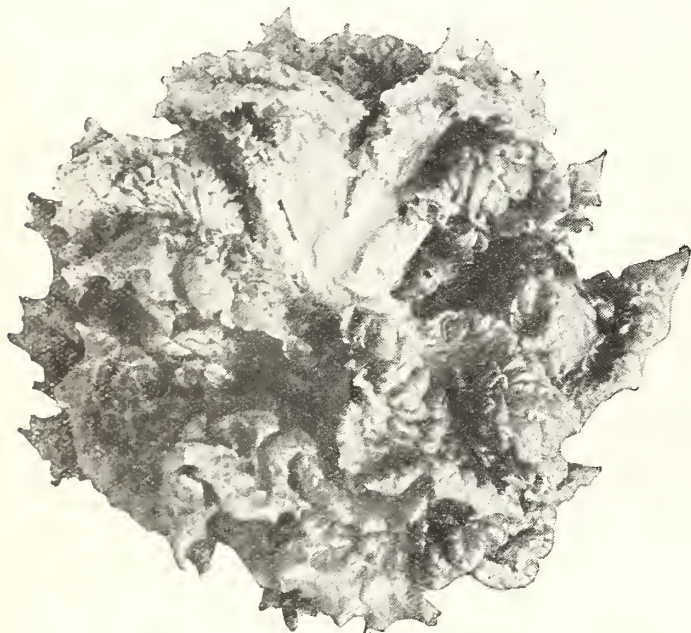


GRAND RAPIDS

A well known and popular variety, non-heading. Leaves wavy, fringed, and very curly. Extensively used for forcing. When grown under glass it makes a very tender leaf of fine quality. Pkt., 8c; oz., 15c; ¼ lb., 45c; ½ lb., 75c; lb., \$1.40.

**PRIZEHEAD**

One of the best known popular varieties of the leaf or non-heading type. Medium size light brown edges on a green base. One of the best home garden varieties as it grows quickly and makes many leaves which are of excellent flavor. Pkt., 8c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50

**EARLY CURLED SIMPSON**

A decidedly crisp variety, strictly bunching, medium in size. Desirable for early market as well as an intermediate sort. Slow to go to seed. A dense cluster of curly leaves. Pkt., 7c; oz., 12c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.30.

**PARIS WHITE COS**

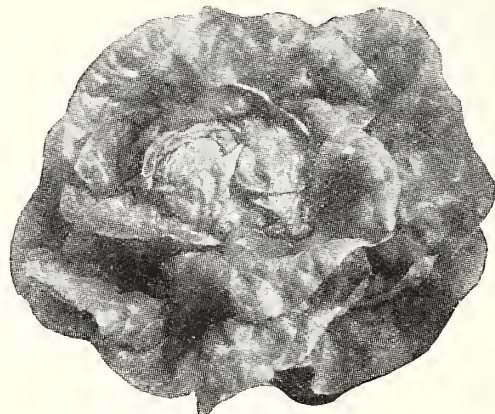
Sometimes called Trianon Cos. The best known and most popular variety of its type. Medium large in size. Forms a good well folded long head of excellent quality. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.25.

**DENVER MARKET**

A standard variety which is well known. Medium size, curled, crisp heading, light green leaves very much crumpled. Leaves are very tender and delicious. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.25.

**MAY KING**

A popular variety of recent introduction. Heads rather small, light green, tinged slightly at the edge with brown. This variety is highly recommended. Pkt., 8c; oz., 15c; ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.40.

**ALL THE YEAR ROUND**

A medium sized cabbage butter heading variety of fine quality. Bright green in color. Continually throws out new leaves. Pkt., 8c; oz., 15c; ¼ lb., 45c; ½ lb., 75c; lb., \$1.45.

**GIANT CRYSTAL HEAD**

A large heading variety remaining in good condition for a long time. The plants should stand 12 to 15 inches apart to allow regular cultivation. Leaves are wavy with fringed edges. Pkt., 8c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50.

**TOMHANNOCK**

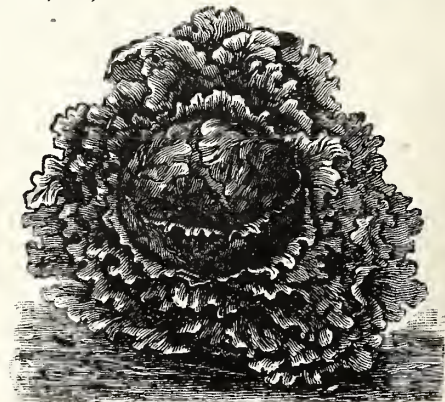
Decidedly crisp, strictly bunching. Leaves are crumpled and the color almost a bright brown varying to bright green near the center of the plant. Very good quality, sweet in flavor. Pkt., 7c; oz., 12c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.25.

**HARDY GREEN WINTER**

This variety also known as Hammer-smith. A cabbage butter head medium size variety. Leaves crumpled with straight edges. This sort forms tight hard heads in the late fall or early winter, hence deriving its name. Pkt., 10c; oz., 18c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75.

**CALIFORNIA CREAM BUTTER**

A butter head variety with thick leaves. Large in size. Dark green in color. The inside of the head is a rich golden yellow. Quality first class. A good shipper and forms a good solid head under ordinary conditions. Pkt., 8c; oz., 15c; ¼ lb., 45c; ½ lb., 75c; lb., \$1.40.

**SALAMANDER**

This is a cabbage butter head medium size variety. Leaves are straight on the edges but crumpled. Does well under any weather conditions. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.25.

Muskmelon

NOTICE

Our muskmelon seeds are saved from fruits exclusively grown for seed purposes. There is no shipment or selling of melons from the fields. The seed is taken from selected melons of perfect type. With this critical procedure in production of seed stock it is well for the particular seed planters to bear in mind that if it were possible to offer superior stocks we would be doing so.



BENDER'S SURPRISE

A large sized fine flavored early melon. A great favorite on the markets. The melons are oval shaped, slightly ribbed with coarse netting. The flesh is deep orange. Very thick and sweet. Growing to a fairly large size, 8 to 10 lbs. This melon keeps well after being picked, which is a very desirable feature. Pkt., 10c; oz., 15c; ¼ lb., 40c; ½ lb., 75c; lb., \$1.40; 5 lbs., \$6.25, postpaid.



SUGAR ROCK OR HONEY ROCK

This new variety has several outstanding characteristics as follows: Extremely productive, exceptional shipping qualities, and remarkable appearance. Deep orange flesh, with a flavor which is entirely different from other varieties and can only be appreciated by comparing with other sorts. It has a very heavy netting with no sign of ribs. It is medium early and practically round, 5x5½ inches, weighing 2½ to 3 lbs. This melon is appreciated on account of its wonderful sweetness. The stock seed as yet is not in big production. Pkt., 15c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.40; lb., \$2.60, postpaid.



HEARTS OF GOLD

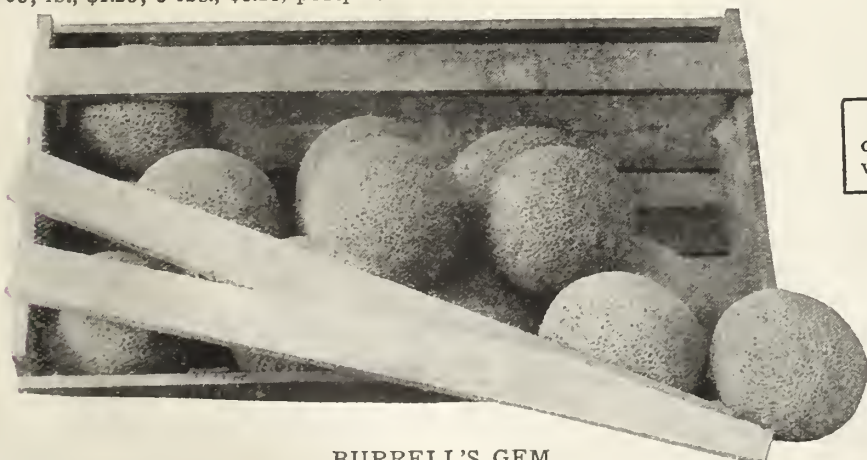
Selected from the Hoo-Doo. A splendid shipping variety as it runs very uniform in size. The flesh is pink and very deep, making a remarkably small seed cavity. A very solid melon standing long distance shipping. Edible in 92 days. Size, 6 by 5 inches. Weight, 2 lbs. Pkt., 8c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.25; 5 lbs., \$5.25, postpaid.



OSAGE OR MILLER'S CREAM

One of the most widely used melons in this country. The flesh is salmon colored, thick and spicy. A small seed cavity for so large a melon. An excellent melon for local markets and to ship where the distances are not great, in fact it is one of the finest all purpose muskmelons. Edible in 92 days. Size 8 by 6 inches. Weight, 6 lbs. Pkt., 8c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20; 5 lbs., \$5.25, postpaid.

NOTICE: If you are in the market for large quantities of muskmelon seed, 10 lbs. or over, write for special quotations.



BURRELL'S GEM

An oval pink fleshed variety with small seed cavity. Ribs not prominent. The flesh is very sweet and spicy. Its shipping qualities are excellent. Edible in 87 days. Size, 6½ by 5 inches. Weight, 3 lbs. Pkt., 8c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$3.85, postpaid.



LAKE CHAMPLAIN (See Inside Front Cover)

This is an extra early variety of good quality. Deep golden yellow, sweet flesh. Medium size, ribbed with a pronounced netting. It is not adapted to shipping great distances but is the earliest melon of quality for the local market. Very productive and recommended for the revenue it will bring for the space given to it. Edible in 85 days. Selected stock seed. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00; 5 lbs., \$9.00, postpaid.

ACME OR BALTIMORE MARKET

An excellent medium early variety, small in size, heavily ribbed and netted. It is long with distinct neck at the stem end. The flesh is green. Eating quality is excellent. Edible in 90 days. Size, 7½ by 5 inches. Weight, 3½ lbs. Pkt., 8c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20; 5 lbs., \$5.25, postpaid.

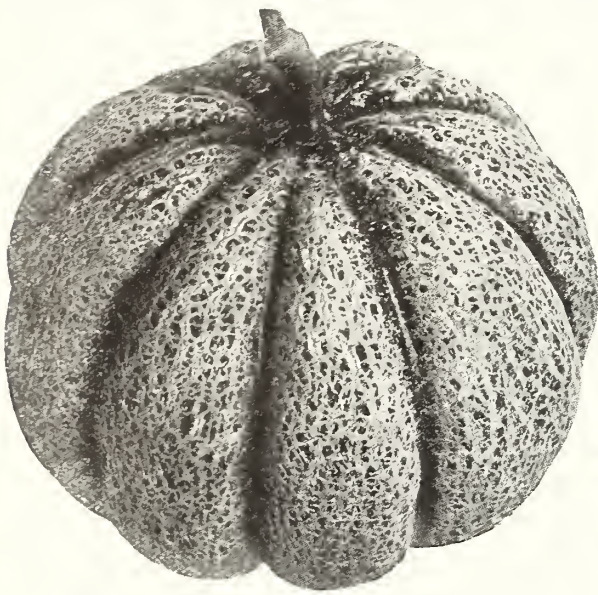


TIP TOP

Cannot be excelled for its eating qualities. The flesh is bright salmon, remarkably thick, sweet and spicy. Its shape varies from round to slightly oblong. Slightly netted and ribbed. A shipping melon for moderate distances. Excellent market gardeners' variety. Edible in 96 days. Size 8½ by 7½ inches. Weight, 6 to 7½ lbs. Pkt., 8c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20; 5 lbs., \$5.00, postpaid.

6 to 8 lbs. per acre in hills.

CULTURE Melons do the best in light rich soil, sunshine is necessary to produce sugar content. When the ground is warm, generally May 15th, sow the seed in hills 5 to 6 feet apart, watermelons 8 to 10 feet apart. The vines of melons are heavy feeders and it is well to place several shovelfuls of well rotted manure into each hill. Plant 10 to 12 seeds in each hill and cover not more than ½ inch deep. After the danger of bugs is over leave about 4 of your stronger plants in each hill. For insect disturbance treat the same as Cucumber vines.

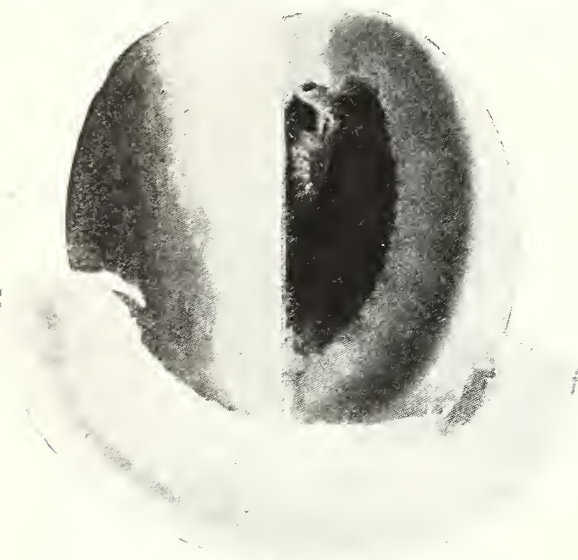


PRINCESS OR PERFECTION

This is also known as Ideal. A large pink fleshed melon, heavily ribbed and netted with very thick and exceptionally sweet and spicy flesh. Not a good shipper but excellent for home garden and local market. 95 days to maturity. Size $7\frac{1}{2} \times 7$ inches. Weight 6 lbs. Pkt., 7c; oz., 12c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00; 5 lbs., \$4.25, postpaid.

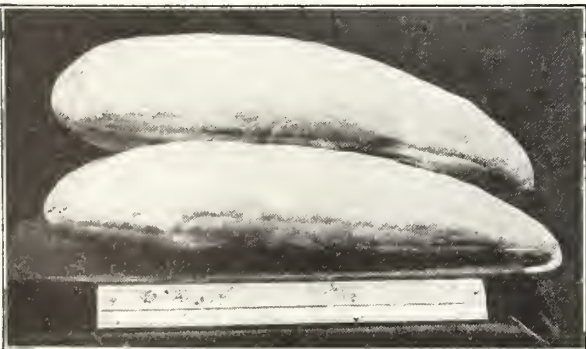
EXTRA EARLY GRAND RAPIDS

This variety is a large pink meated melon. Heavily ribbed with little netting. It is very productive and its eating qualities are excellent. It is not adapted for shipping but very fine for local market. When immature the skin is green, turning to a lemon-yellow as it ripens. Its shape is rather long, 9×7 inches; weight 7 lbs. For a large melon it is remarkably early. Edible in 94 days. Pkt., 7c; oz., 12c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00; 5 lbs., \$4.25, postpaid.



HONEY DEW

A green fleshed perfectly round smooth skinned melon, light cream in color. The length of the melon is about 10 inches and about $9\frac{1}{2}$ inches in diameter. It is late in maturing and does not grow to perfection in the northern states. An excellent shipping variety and if properly kept will remain in edible condition for a long time. It is claimed this variety had its origin in Africa. Pkt., 10c; oz., 18c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50; 5 lbs., \$6.25, postpaid.



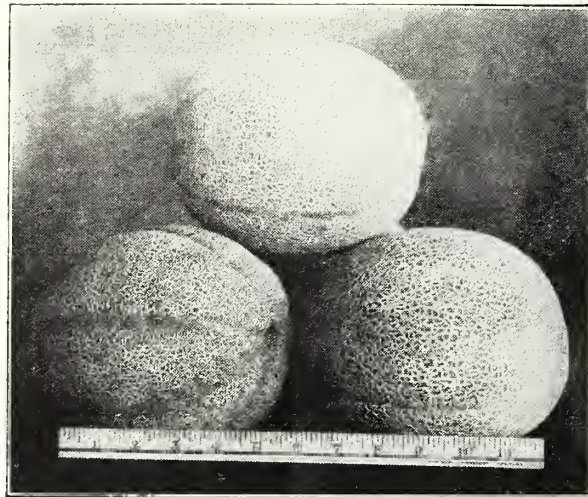
BANANA

A long variety tapering at both ends. Skin is lemon colored when mature. Pink flesh, delicious eating qualities. Edible in 94 days. Size 14 by 4 inches. Weight 7 lbs. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.30; 5 lbs., \$5.35, postpaid.



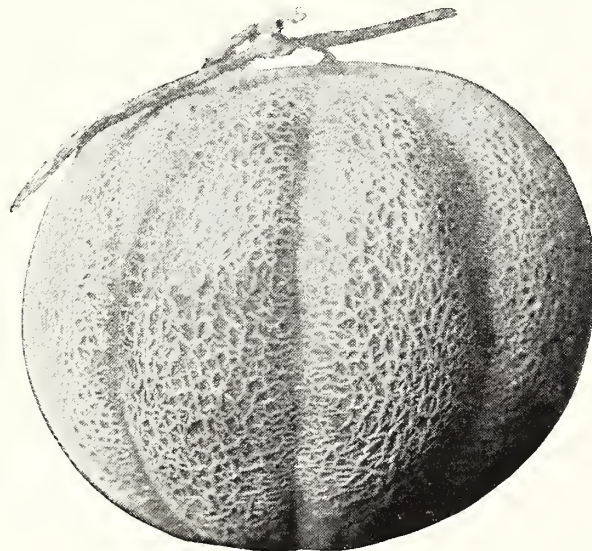
ROCKY FORD

An improved strain of the Netted Gem, now developed into a round typed melon. The fruits are uniform in size, making it a very desirable melon to pack in baskets or crates. The flesh is green, very sweet and spicy. For its size it cannot be excelled. Edible in 96 days. Size $5\frac{1}{2}$ by 5 inches. Weight $2\frac{1}{2}$ lbs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$3.85, postpaid.



HALE'S BEST OR H. B.

An exceptionally early variety. This strain was developed in the Imperial Valley of California. It is a profitable melon for shipping; its size is approximately 8×5 . The flesh is exceptionally thick, firm, of excellent flavor and a deep salmon in color, seed cavity is small. It is ten days earlier than the other early shipping types of Rocky Ford. It has been known to produce ripe melons in 68 days, but on an average it produces in 75 to 78 days. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50; 5 lbs., \$6.25, postpaid.



EXTRA EARLY HACKENSACK

A popular early green fleshed variety. The shape of the melon is flat and the size about 4 by 6 inches. Distinct ribs and netting. Very prolific and hardy. Not adapted for shipping, being a home garden sort. Flesh is very sweet and spicy. Ready for use in 90 days. Weight $2\frac{3}{4}$ lbs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; lb., \$1.00; 5 lbs., \$3.85, postpaid.

EARLY GREEN NUTMEG

The fruits are rather heavily ribbed and netted. Green fleshed, small size and almost round. This is one of the most prolific melons known. A very desirable variety for home use. Matures in 88 days. Size 5 by 5 inches. Weight $2\frac{3}{4}$ lbs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 28c; $\frac{1}{2}$ lb., 45c; lb., 80c; 5 lbs., \$3.35, postpaid.

EMERALD GEM

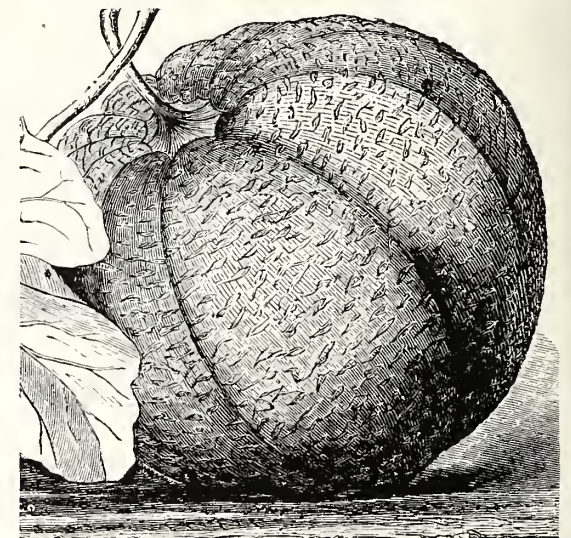
A small smooth skinned variety. Slightly ribbed. The flesh is pink, very sweet and spicy. It should be picked when the skin is still green. When it starts to color it is over ripe. Excellent home garden variety. Edible in 87 days. Size 4 by 5 inches. Weight 2 lbs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$3.85, postpaid.



MILWAUKEE MARKET

(See Basket on Back Cover)

A variety which has attained prominence in all of the markets of the large cities. A medium large pink fleshed variety with remarkable eating qualities. It is early in maturing. The rind is extremely hard, making it an excellent shipping variety. Very prolific and handsome in appearance. A very profitable sort to grow. Edible in 87 days. Size $7\frac{1}{2}$ by $6\frac{1}{2}$ inches. Weight, 5 to 6 lbs. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 75c; lb., \$1.40; 5 lbs., \$6.00, postpaid.



SHUMWAY'S GIANT

The largest of the pink meated melons. Deeply ribbed, slightly netted. Skin lemon color as it ripens. The fruits average 12 to 15 lbs. Have been known to go as high as 25 lbs. The flesh for a large melon is very sweet and spicy. Not a shipping variety but for home use and local markets. Edible in 94 days. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50; 5 lbs., \$6.25, postpaid.



Germaco
Hotkaps
New Method of
Plant Protection

See
Page
12

Particularly fine for melons.

Watermelons

NOTICE

Our melon seeds are grown exclusively for seed; there is no shipment or selling of stock from the fields. All our seed is taken from selected melons of perfect type. With this critical procedure in production of seed stock it is well for the particular planters to bear in mind that if it were possible to offer superior stocks we would be doing so.



HARRIS EARLIEST

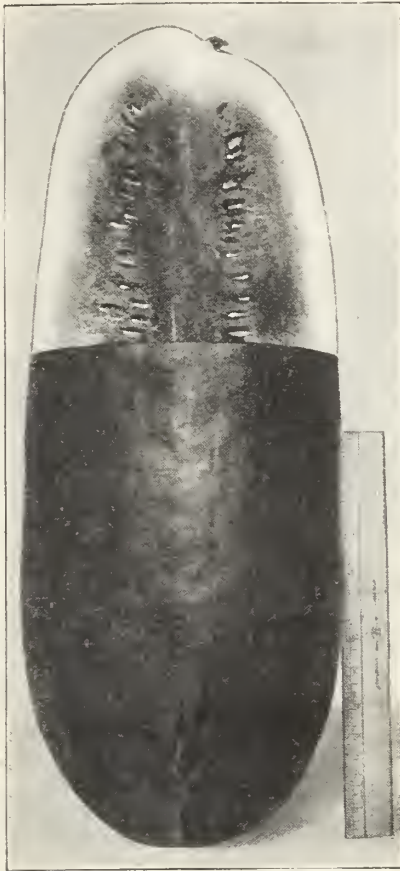
An almost round black seeded melon. Rind is dark green striped with a lighter shade, flesh firm and delicious. A home as well as a local market sort. A variety adapted for short growing season. Edible in 80 days. Weight about 20 lbs. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.

COLE'S EARLY

An extra early sure cropper. This sort is medium in size, thin, brittle rind. The flesh is deep red, firm and delicious. Without a doubt the finest variety for home gardens. Weight about 20 lbs. Edible in 80 days. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

TOM WATSON

The peer of the Watermelons for shipping; it being the popular variety for the large growers on account of its ready sale in all markets. It is well adapted for long distance shipping. It is attractive, uniform in shape and quality. Very sweet and practically melts in the mouth. The flesh is red and the seeds are brown with here and there a sprinkling of white seed. The rind is deep green and elastic. This variety is oblong in shape, averaging about 20 inches in length and 10 to 12 inches in diameter, weight ranging from 35 to 40 lbs. Our strain is from re-selected stock and meets with ready demand by the most critical buyers. Maturity, 90 days. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

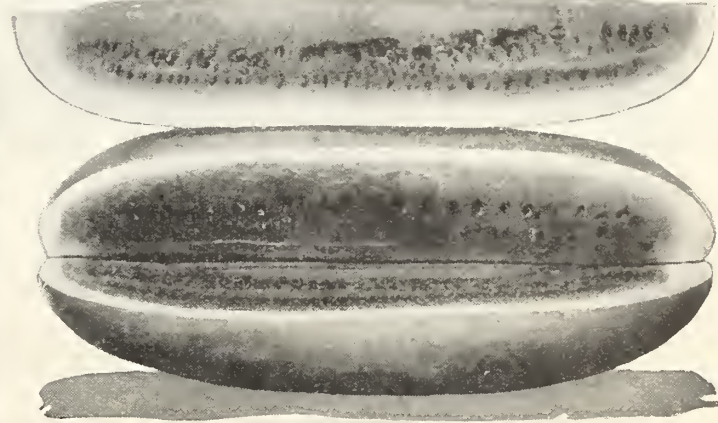


TOM WATSON



STONE MOUNTAIN

A variety recently introduced in Georgia, being named after the great Stone Mountain of that state. We consider this the very finest round melon introduced. Rich dark green in color with scarlet flesh that is exceptionally sweet and melting. Very few seeds are found in this melon which gives one the impression on first opening that it is all heart. The average weight is 50 lbs. The markets that demand a round melon will find that this variety will outsell any others. Being a shy seeder it takes considerable acreage to produce sufficient seed stock, hence the price as follows. Pkt., 10c; oz., 20c; ¼ lb., 55c; ½ lb., \$1.00; lb., \$1.90; 5 lbs., \$8.75, postpaid.



IRISH GREY

A very popular shipping variety. Rather large in size, long in shape. The rind is light green in color. The flesh is red, not stringy or coarse, very sweet. This is recommended equal to Tom Watson as a shipping variety. Average weight, 35 lbs. Edible in 90 days. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

REUTER'S WONDERMELON

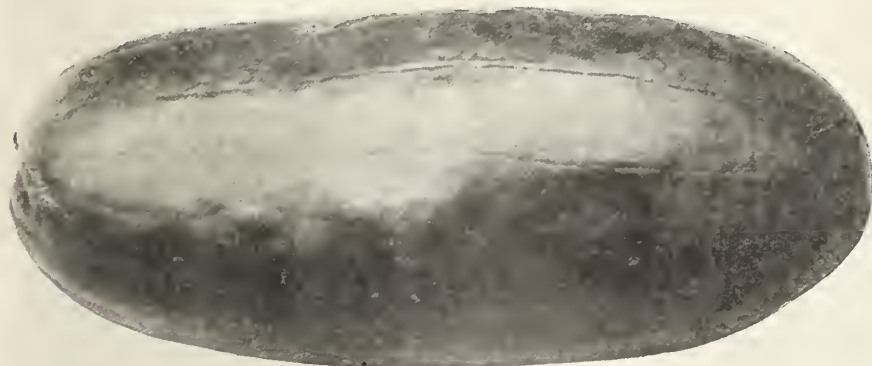
See Inside Front Cover for Colored Illustration

A variety possessing a flavor that is not surpassed by any other kind. The flesh is rich red and the flavor from heart to rind is the same. Another shy seeding melon, giving one the impression of all heart melon. The seeds are white and in contrast to the beautiful red flesh a melon cut open is an appetizing sight. The rind is thin and tough dark solid green. Seed white. The melon is oblong in shape, measuring 22 to 24 inches and 10 to 12 inches in diameter and weighing 40 to 50 lbs. Pkt., 10c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$6.75, postpaid.

NOTICE: If you are in the market for large quantities of watermelon seed, 10 lbs. or over, write for special quotations.

KLONDIKE

A watermelon used in the West, and for genuine merit cannot be surpassed. The seeds are quite small, mixed black and white, the flesh is a deep red, the rind dark green. While this variety is more of a home garden and market type, it is adapted for shipping moderate distances. The average weight is 25 lbs., edible in 82 days, size 16x10 inches. A melon of real merit. Pkt., 10c; oz., 15c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.65; 5 lbs., \$7.50, postage paid.



KLECKLY'S SWEET

This is considered the sweetest of the large melons. Particularly adapted for home garden and shipping short distances. Kleckly's Sweet is oblong in shape, about 22 inches long and 12 inches in diameter, weight from 40 to 50 lbs. The thin rind is brittle, dark green in color. The flesh is bright scarlet, very sweet, showing no signs of stringiness. A medium early melon and cannot be surpassed. 87 days to maturity. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

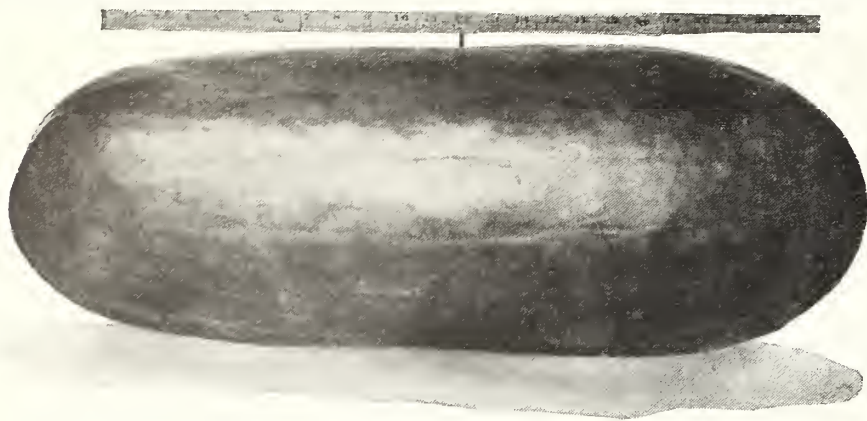
McIVER'S WONDERFUL SUGAR

This melon has remarkable shipping qualities. The shape is long, rind is light green with irregular dark green stripes. Very prolific. A profitable melon to grow. Weight 30 lbs. Edible in 92 days. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.



GOLDEN HONEY

The best yellow fleshed variety. Oblong in shape, rind a dark green. The flesh is a bright golden color. Very attractive and of excellent flavor. Weight about 20 lbs. Edible in 90 days. Pkt., 10c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.25; 5 lbs., \$5.50, postpaid.

**HALBERT HONEY**

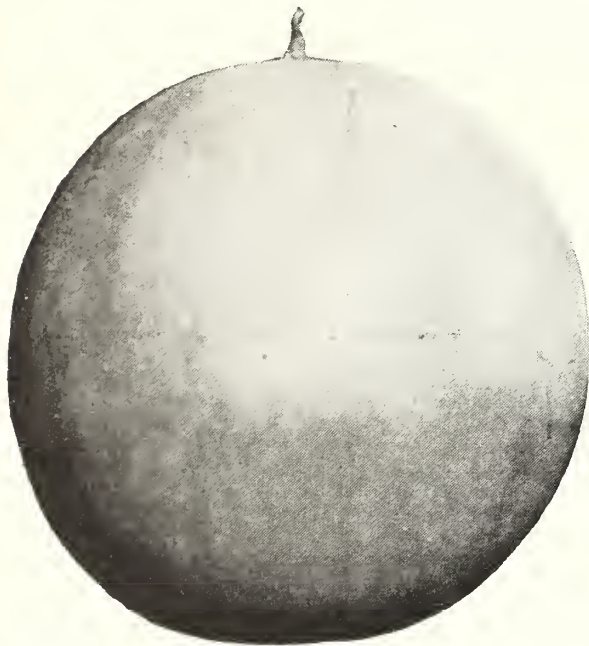
A fine medium early local market melon enjoying universal use. As the cut shows it is a long cylindrical variety with a deep green rind. A solid melon, firm sweet flesh weighing about 35 lbs. Vines are vigorous in growth, bearing very prolifically, making it a very profitable melon to grow. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

**GREY MONARCH**

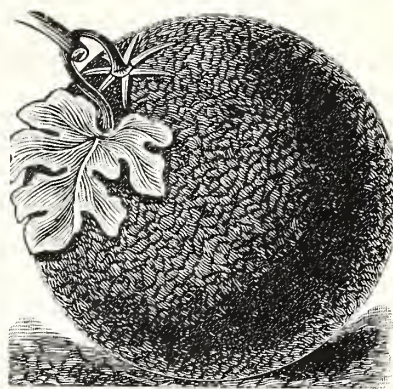
A light green large type long melon. Not a shipping variety but excellent for local markets. Very prolific and fairly early in maturity. This sort is also called Long White King. Weight 25 lbs. Edible in 90 days. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

**LARGE STRIPED GYPSY OR GEORGIA RATTLESNAKE**

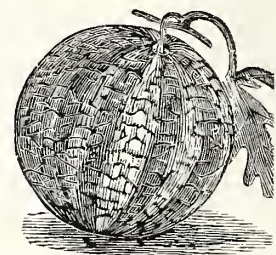
A standard variety of excellent shipping qualities. Light green color irregularly mottled with dark green stripes. Flesh a bright red and very sweet. Cannot be surpassed. White seeded. Weight 30 lbs. Edible in 92 days. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

**CHRISTMAS OR WINTER**

A novelty in the line of watermelon. The fruits are medium size, pale yellow when ripe. The flesh is very sweet, bright red in color. This variety is extremely prolific. There is no doubt about its keeping qualities; melons may be taken from the patch or field before frost and stored away in a cool cellar and one may partake of watermelon for their Thanksgiving dinner. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75.

**HUNGARIAN HONEY**

A variety adapted for the home garden and to the market where there is a call for small melons which the smaller family desires, particularly in the larger cities where so many families are living in apartments. In fact this variety may be called Apartment Melon. It is very early, round in shape and extremely sweet. The rind is dark green with irregular stripes of darker green, flesh is bright red, the seed quite small and dark brown in color. We cannot say too much for this very desirable small melon. 87 days to maturity, size 10x10 and weight 12 to 15 lbs. Pkt., 10c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10; 5 lbs., \$5.00, postpaid.

**CITRON**

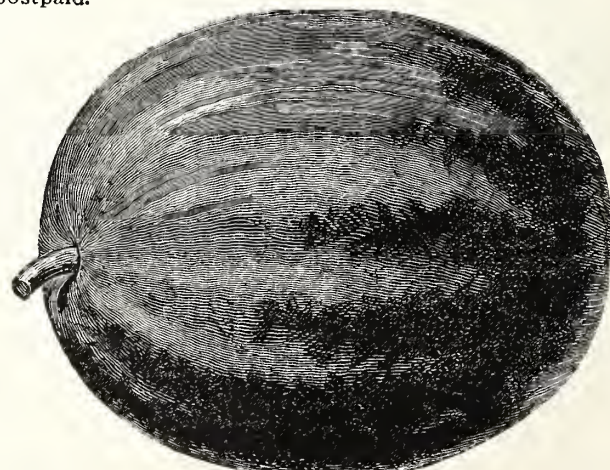
Used exclusively for preserving. It is very hard, slightly striped, round in shape. The preserves made from this melon are transparent and of excellent flavor. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10.



Destroys bugs, beetles, green or black flies, caterpillars, lice, worms, etc. Prepaid, 1 lb., 30c; 5 lb. bag, \$1.00; 10 lbs., \$1.90. Not prepaid, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.35; 1 lb. cartons have sifter top.

**FORDHOOK EARLY**

A variety widely used because of its extreme earliness. Slightly oval in shape and excellent quality. The rind is dark green with darker green stripes. A good variety for local markets. Weight 25 lbs. Edible in 85 days. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

**ICE CREAM**

A white seeded early variety of excellent quality. The rind is very thin and medium green in color. This sort is very prolific. Not adapted for shipping. Edible in 90 days. Weight 20 to 25 lbs. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

Onions

CULTURE: 1 oz. of onion seed will plant 100 feet; 5 to 6 lbs. for an acre. For sets plant 40 to 50 lbs. to the acre. Onions are easily grown, providing the gardener plants them in a rich piece of soil and is willing to do the necessary weeding. Seed should be sown very early in the spring, rows 18 inches apart, and when the seedlings are about 4 inches tall, thin out so the plants stand 3 to 4 inches apart in the rows. The onions should be pulled or dug when the tops begin to dry down.



SOUTHPORT WHITE GLOBE

A very highly recommended beautiful globe shaped onion. Early, ripens evenly and good keeper. Growers for market find this very profitable as the demand is great due to its sweet flavor. Pkt., 10c; oz., 20c; ¼ lb., 75c; ½ lb., \$1.35; lb., \$2.60; 5 lbs., \$12.75, postpaid.



SOUTHPORT YELLOW GLOBE

This reselected strain shows superiority over the other yellow globe varieties in its uniformity of size, its wonderful keeping qualities, and its sweet mild flavor. This variety is used extensively in the onion growing districts of Indiana and Ohio. It brings a ready sale in all markets as there is no variety that shows up nicer on display and brings a premium than the Southport Yellow Globe. If in the market for 40 to 60 lbs. of seed or only in need of a packet or an ounce this strain is sure to please. Pkt., 8c; oz., 15c; ¼ lb., 45c; ½ lb., 85c; lb., \$1.65; 5 lbs., \$7.50, postpaid.



OHIO YELLOW GLOBE

Another variety of the yellow globe type which is used extensively in the onion growing districts. Very uniform shape, good color and fine size. The flesh is solid and mild. This variety is a heavy yielder of uniform growth. Keeping qualities excellent. Pkt., 7c; oz., 15c; ¼ lb., 45c; ½ lb., 85c; lb., \$1.65; 5 lbs., \$7.50, postpaid.



YELLOW FLAT DANVERS

A standard medium size flat variety. The onion is quite thick and has a yellow skin with creamy-white flesh, mild and crisp. A large yielder, ripening very uniformly. Very profitable where the market calls for a flat variety. This strain is also used for producing onion sets. Pkt., 5c; oz., 12c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.35; 5 lbs., \$6.25, postpaid.



EBENEZER OR JAPANESE

This variety has come into popular demand very rapidly. It produces a larger yield in weight per acre than the old Strasburg and its keeping qualities are unsurpassed. This variety is yellow skinned, inclined to be flat but not as much so as some of the other known flat varieties. The flavor is mild and sweet. We know of no variety that can surpass Ebenezer as a keeper. Stores well and is still in firm, solid condition when all the other varieties are showing growth. This has proven to be one of the very finest strains to use for growing onion sets. Pkt., 8c; oz., 17c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75; 5 lbs., \$8.25, postpaid.



SOUTHPORT RED GLOBE

This onion is similar in shape to the Southport Yellow Globe. The color is dark red. An exceptionally good keeper, and a heavy yielder. Very popular with the onion growers who produce the red variety. Pkt., 8c; oz., 15c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75; 5 lbs., \$8.25, postpaid.

NOTICE: If you are in the market for large quantities of onion seed, 10 lbs. or over, write for special quotations.



LARGE RED WETHERSFIELD

This variety is universally used. Very productive and fine keeper. Grown in large quantities for the markets. The skin is a purplish red with flesh just off of the white toward purple. The bulb is flattened with a comparatively thin neck, fine grained and a fairly mild flavor. This variety seems to do better than any of the others in poor soil. Pkt., 8c; oz., 15c; ¼ lb., 45c; ½ lb., 85c; lb., \$1.65; 5 lbs., \$7.50, postpaid.



YELLOW GLOBE DANVERS

Another very popular variety with the onion growers. It is earlier than Southport Yellow Globe, therefore demanding a little higher market price. Good size, thin neck and its keeping qualities cannot be excelled. Pkt., 7c; oz., 15c; ¼ lb., 45c; ½ lb., 85c; lb., \$1.65; 5 lbs., \$7.50, postpaid.



AUSTRALIAN BROWN

A flat medium sized sort. The skin is amber brown, white flesh. This variety is early, solid and a heavy yielder. Its keeping qualities are excellent even in the warmer sections of the country. Pkt., 5c; oz., 12c; ¼ lb., 40c; ½ lb., 75c; lb., \$1.40; 5 lbs., \$6.50, postpaid.

**SWEET SPANISH (Riverside Strain)**

A large globe shaped light yellow onion, with small neck. This variety ripens very evenly. It is very sweet and crisp. In some sections of the country it is earlier than Prizetaker and larger. Being very mild shows plainly it is of the Spanish type which has become so popular the last few years. Pkt., 10c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.55; lb., \$3.00; 5 lbs., \$14.25, postpaid.

**MAMMOTH PRIZE TAKER**

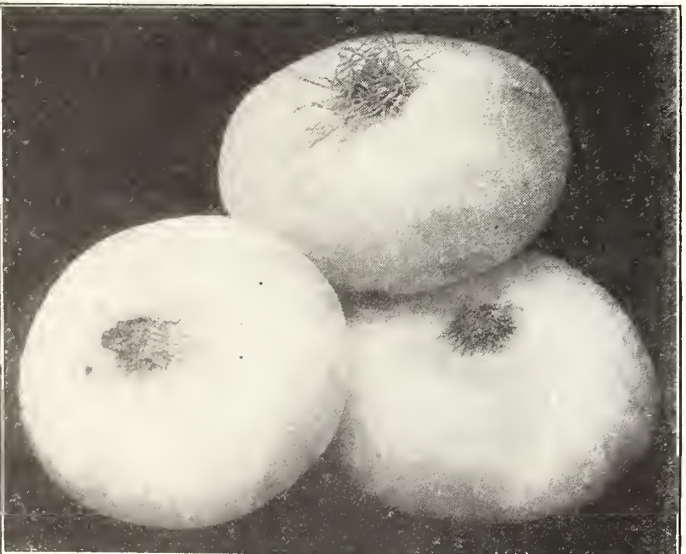
For a large onion this sort is quite exceptional. Fine grained, sweet, and if properly ripened and stored it will keep well. This variety is a yellow globe requiring a long season. Used extensively in Texas and some of the Western states. Pkt., 8c; oz., 15c; ¼ lb., 55c; ½ lb., \$1.00; lb., \$1.90; 5 lbs., \$8.75, postpaid.

AILS CRAIG

Popular variety with the growers, as it is a real money maker. A beautiful straw colored skin covering a very large round bulb that will average close to 2 lbs. A desirable onion to eat raw, as it is mild, sweet and crisp. There is no doubt but what this variety is a real competitor of the Spanish Onions. Pkt., 10c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.25; 5 lbs., \$10.25, postpaid.

**WHITE PORTUGAL, OR SILVER SKIN**

This variety is used for the growing of white onion sets, pickles and early bunching green onions. It cannot be surpassed for this all purpose demand. The matured bulb is medium size, flat and when properly cured will keep to about mid-winter. A variety that is sweet and mild in flavor. Pkt., 8c; oz., 18c; ¼ lb., 60c; ½ lb., \$1.15; lb., \$2.25; 5 lbs., \$10.25, postpaid.

**EARLY WHITE BERMUDA**

Really light yellow or straw in color. This variety is in general use throughout the onion growing district of Texas. The seed we have of this variety comes from the Teneriffe Islands, known as producing the best stocks of this variety. There is no onion that can compare with it in mildness and flavor. Always in great demand and all growers derive great profits from growing this sort. Pkt., 10c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.40; lb., \$2.75; 5 lbs., \$12.75, postpaid.



CONNECTICUT SEED LEAF. A staple variety grown successfully in all sections. Used for cigar fillers. Pkt., 10c; ½ oz., 20c; oz., 35c.

HAVANA. A well known variety used generally for cigar wrappers. When properly grown commands the highest prices. Pkt., 10c; ½ oz., 20c; oz., 35c.

SWEET OROCO. A favorite in the Tobacco producing sections in Virginia and Carolina. Grown extensively for dark plug wrappers. Pkt., 10c; ½ oz., 20c; oz., 35c.

WHITE BURLEY. This is the standard main crop variety in the Tobacco producing sections. Used extensively in the manufacturing of all types of uses of Tobacco. Pkt., 10c; ½ oz., 30c; oz., 50c.

IMPROVED SUMATRA. Fine silky texture grown extensively for the finest cigar wrappers. Pkt., 15c; ½ oz., 35c; oz., 60c.

BOOKS ON VEGETABLE CULTURE AND MARKETING

"Practical Vegetable Culture"

By ALBERT E. WILKINSON

In the United States there are approximately 10,000,000 home gardeners; over 100,000 students are enrolled in vocational schools or in high schools, studying vocational subjects; somewhere between 500,000 and 1,000,000 boys and girls are enrolled in 4-H club work. There are thousands and thousands of amateurs—inexperienced men and women—who are trying to obtain a livelihood from vegetable and small fruit production. It is the aim of this book to help all of these. In its 308 pages all phases of vegetable culture are covered from sowing the seed to reaping the harvest; there are innumerable garden plans of all kinds and of all sizes; greenhouses, hotbeds, cold-frames, home vegetable storage, control of pests and diseases, etc. are discussed in detail.

308 pages, profusely illustrated, bound in cloth, postpaid \$2.15.

"Wayside Marketing"

By SCHUYLER ARNOLD

The author of "Wayside Marketing," Schuyler Arnold, after several years of observation and much study on the subject, has written a book that is packed with worthwhile suggestions enabling the wayside stand owner to better marshal his opportunities, abilities and equipment.

Every angle of the situation is covered—location, the building of the stand, with details of measurement, the stock to be offered (flowers, fruits and vegetables) and how to grow it, etc. An exclusive feature of the book consists of the many line cuts made from hand drawings of practical booths, ranging from simple stands to the more elaborate affairs—all of which can be worked out by the average person. Added to this are numerous illustrations of actual stands which have been photographed on the roadside as also pictorial representations of those annual and perennial flowers in greatest demand and of which an attractive showing can be made.

132 pages, bound in cloth, and encased in an attractive jacket, postpaid, \$1.65

Shumway's Onion Sets

Set 10 to 12 Bushel to the Acre

The onion sets we have to offer are all graded, passing through a one-inch screen, making them run about 7/8 of an inch in diameter. Our sets are all fanned and picked over before making shipment, so the purchaser receives only solid sets.

Sets that are greater than 1 inch in diameter will throw off a seed stalk making it impossible to produce large onions from that size.

Shipped on a basis of 32 lbs. to the standard bushel.

All of the following prices are quoted express or freight charges collect. No charge for containers.

RED. Grown from seeds of Red Wethersfield. ⅛ bu., 50c; ¼ bu., 80c; ½ bu., \$1.55; 1 bu., \$2.95; 5 bu. or more at \$2.75 per bu.

YELLOW. Grown from Yellow Flat Danvers. ⅛ bu., 50c; ¼ bu., 80c; ½ bu., \$1.55; 1 bu., \$2.95; 5 bu. or more at \$2.75 per bu.

WHITE. Grown from seed of White Portugal. ⅛ bu., 55c; ¼ bu., \$1.00; ½ bu., \$1.90; 1 bu., \$3.50; 5 bu. or more at \$3.35 per bu.

EBENEZER. See description of variety on page 25. ⅛ bu., 55c; ¼ bu., 90c; ½ bu., \$1.75; 1 bu., \$3.25; 5 bu. or more at \$3.00 per bu.

MIXED. Mechanically made by mixing the three colors together. ⅛ bu., 50c; ¼ bu., 80c; ½ bu., \$1.55; 1 bu., \$2.95; 5 bu. or more at \$2.75 per bu.



POSTPAID PRICES ON ONION SETS

Red, Yellow or Mixed. 8 qts. or 8 lbs., \$1.70; 4 qts. or 4 lbs., 90c; 1 qt. or 1 lb., 25c; 1 pt. or ½ lb., 15c.

Ebenezer. 8 qts. or 8 lbs., \$1.75; 4 qts. or 4 lbs., 95c; 1 qt. or 1 lb., 28c; 1 pt. or ½ lb., 17c.

White. 8 qts. or 8 lbs., \$1.80; 4 qts. or 4 lbs., \$1.00; 1 qt. or 1 lb., 30c; 1 pt. or ½ lb., 18c.



Onions for Pickling

WHITE QUEEN

One of the earliest varieties grown. Small in size when sown rather thickly. Desirable as a pickling variety, also desirable for bunching to supply the early market. Its extreme earliness makes this desirable for supplying the early trade. Pkt., 8c; oz., 20c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50; 5 lbs., \$11.00, postpaid.



WHITE ADRIATIC BARLETTA

A very early, beautifully white, small, mild variety. Used extensively for pickling. The skin is silvery-white and as thin as tissue paper. Pkt., 8c; oz., 20c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50; 5 lbs., \$11.00, postpaid.

WHITE PEARL OR AETNA

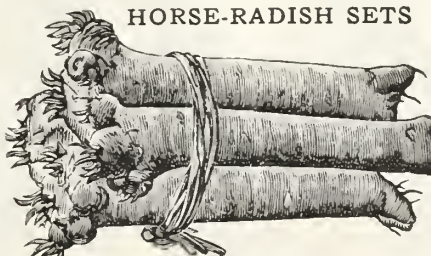
Considered one of the earliest white varieties. The shape is almost round, beautiful in appearance. The skin is thin and the flesh a clear white. Flavor is very mild. Pkt., 8c; oz., 20c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50; 5 lbs., \$11.00, postpaid.



MAMMOTH SILVER KING OR GIANT WHITE GARGANUS

The largest white onion grown. Producing onions 15 to 20 inches in circumference (averaging 5 to 7 inches in diameter). Weighing 3 to 3½ lbs. The onions mature early and are flat and thick, the skin is a pure silvery white. The flesh is tender, sweet and mild, so much so that it can be eaten as one would an apple. This is an excellent variety for the fancy markets and an ideal variety for the home gardens. Pkt., 10c; oz., 18c; ¼ lb., 65c; ½ lb., \$1.25; lb., \$2.40; 5 lbs., \$11.00, postpaid.

HORSE-RADISH SETS



New Bohemian - Maliner Kren. Horse-radish is grown by planting the small roots, taken from the main roots, and planting in deep well fertilized soil. They grow to a very large size in a short time and produce a large crop of good roots for grating to make into a relish. The tops of Horse-radish are used for greens by many people, preferring the pungent taste to those of the vegetables that have a more mild flavor. (10 inch roots.) Doz., 20c; 50 for 75c; 100 for \$1.35; 1,000—\$10.00; 5,000 or more at \$9.00 per M, postpaid.



GARLIC BULBS OR SETS

They have an onion or pungent flavor, making them desirable when used in the flavoring of soups, sausage as well as salad dressings. The set multiplies, which may be divided to grow large bulbs. ¼ lb., 15c; ½ lb., 25c; lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75, postpaid.

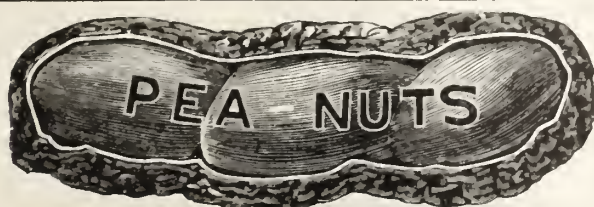


WHITE VELVET OKRA

Large, smooth, superior variety. The young tender pods are cooked in soups, stews, etc. Healthful and delicious. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 5 lbs., \$2.75, postpaid.

LONG GREEN POD OKRA

The seed pods are used while tender and succulent, in soups and stews. Very nutritious. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 5 lbs., \$2.75, postpaid.



Plant in a warm location if possible, and when runners are a foot long cease cultivating. ½ lb., 17c; lb., 28c; 2 lbs., 50c; 5 lbs., \$1.15, postpaid.

Parsnips



HOLLOW CROWN

The variety in general use, considered the most productive large variety. The roots grow 10 to 12 inches long and are of excellent flavor. Quality is improved by leaving them in the ground over the winter. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.

LONG SUGAR

A well known standard variety, desirable for home garden or market. Smooth, long, and of excellent flavor. A good variety to store away in the winter. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.

Peas

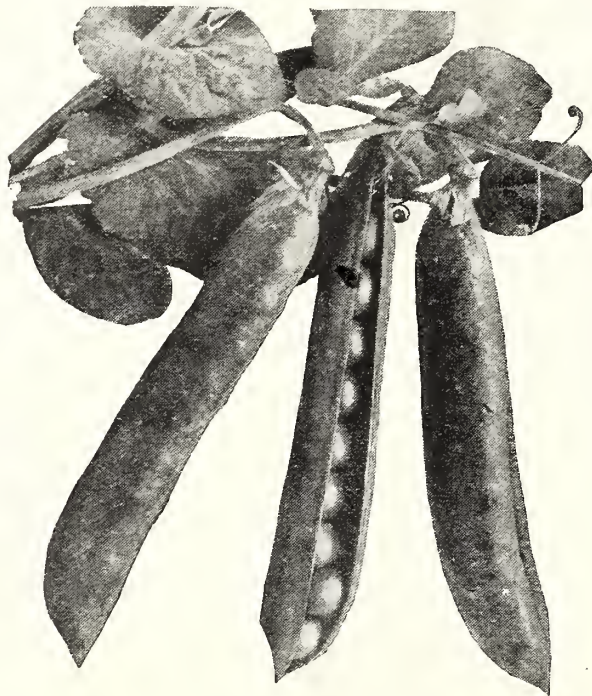
CULTURE: Peas may be sown as early as the middle of March providing the ground is workable. However, the varieties sown at this time should be of the smooth seeded types. Plant in rows 3 to 4 inches deep covering the seed about 2 inches, as they come up cover until the rows are completely filled in. All peas to be at their best should have some kind of support. If brush is not available use poles at each end of rows and interlace with binding twine. ALL VARIETIES OF PEAS SHOULD BE INOCULATED FOR VIGOROUS GROWTH AND HEAVY BEARING. YOU WILL BE WELL COMPENSATED FOR THIS SLIGHT EXTRA EXPENSE AND EFFORT. USE "NITRAGIN."



HUNDREDFOLD OR BLUE BANTAM

(See Inside Front Cover)

A choice large podded extra early variety which we can recommend for the market gardener and home use. It is ready for table use in 60 to 62 days. As its name implies it bears very prolifically large pods, containing 8 to 9 large tender peas of excellent flavor. The vines grow about 16 to 18 inches tall making it a very desirable variety for the home garden. Hundredfold is an exceptionally fine variety to be grown in the cooler parts of the country as it can be planted every two weeks of the growing season. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 72c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.10; 25 lbs., \$4.90; 50 lbs., \$9.75; 100 lbs., \$19.00; 1 bu. (56 lbs.), \$10.75.



LAXTON'S PROGRESS

The newest variety of garden peas of real merit. This also being an extra early variety maturing a few days earlier than Hundredfold or Laxtonian which in the past were the peers of this strain. The vines grow about 15 inches tall very vigorous and producing the largest pods of any extra early variety. The pods will average $4\frac{1}{2}$ inches long containing 8 to 10 deep green large peas of excellent flavor. Although this variety being wrinkled it may be planted almost as early as the smooth pea varieties. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 72c; 5 lbs., \$1.55, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.10; 25 lbs., \$4.90; 50 lbs., \$9.75; 100 lbs., \$19.00; 1 bu. (56 lbs.), \$10.75.



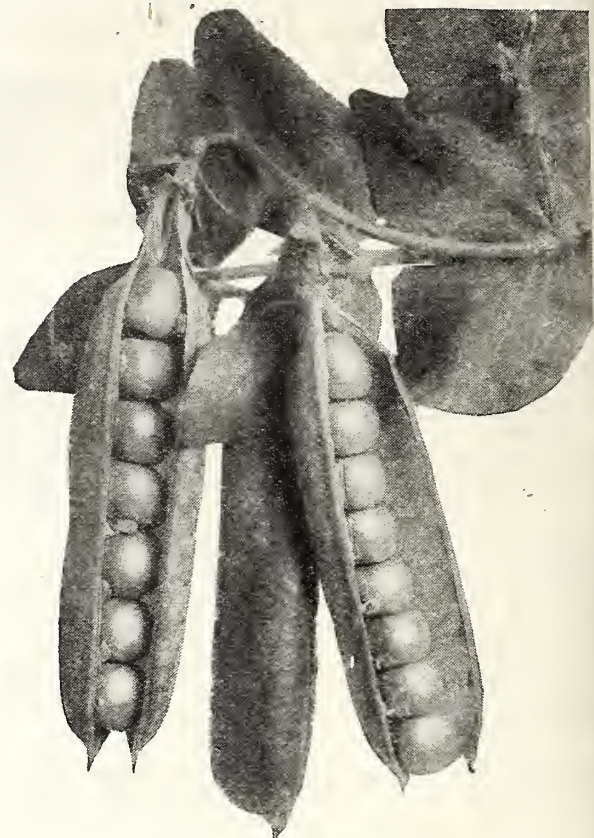
GRADUS OR PROSPERITY

This has been one of the leading varieties since its introduction. It is a large wrinkled early sort with pods nearly as large as Telephone. Peas good size, tender and excellent quality and flavor. The foliage is vigorous and luxuriant pale green. Pods four inches long, straight and slightly rounded at the point. An excellent variety for the home garden and market purposes. Length of straw 36 in. $\frac{1}{2}$ lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.65; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (56 lbs.), \$9.15.



THOMAS LAXTON

This variety resembles Gradus in habit, but is hardier, as early and foliage similar. The pod is darker in color and a little shorter, however, they are well filled and very prolific, generally exceeds the Gradus in this respect. Pods $3\frac{1}{4}$ inches long. This variety is in great demand with the market growers for supplying the fancy markets. Length of straw, 36 inches. $\frac{1}{2}$ lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.65; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (56 lbs.), \$9.15.



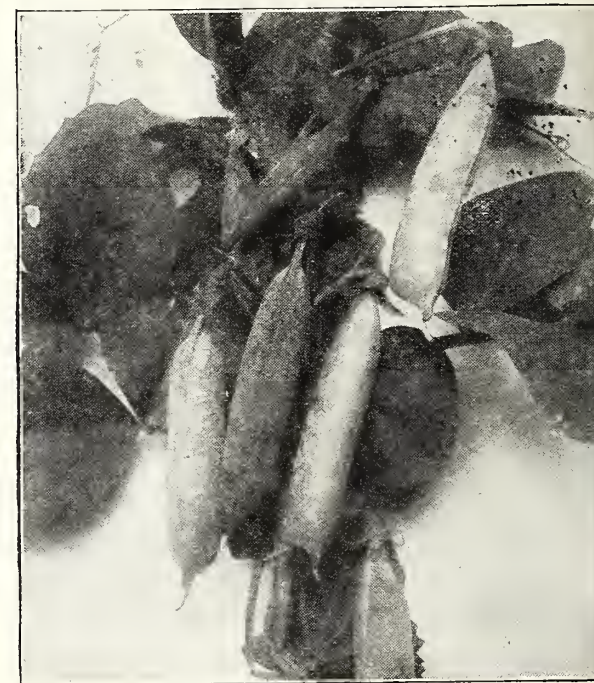
LITTLE MARVEL

(See Basket on Back Cover)

The best early dwarf variety. A favorite with the market gardener and excellent for home use. Pods are 3 inches long, heavily set, often producing in pairs, dark green in color, well filled to the ends. Vines are strong and robust, holding the pods well off of the ground. This variety cannot be recommended too highly. Straw 15 inches long. $\frac{1}{2}$ lb., 20c; lb., 37c; 2 lbs., 70c; 5 lbs., \$1.50, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.85; 25 lbs., \$4.50; 50 lbs., \$8.75; 100 lbs., \$17.00; 1 bu. (56 lbs.), \$9.60.

NOTICE

Peas are not listed by the packet, as there would not be sufficient seed in a packet to produce a picking large enough to serve two people



NOTT'S EXCELSIOR

This is one of the best dwarf wrinkled peas in cultivation. Very sweet and prolific. It resembles Premium Gem, but is more uniform in growth and a heavier yielder. The peas seem to be packed tight in the pods which are produced in great abundance on the straw. The pods are light green in color, straight and round, $2\frac{1}{2}$ inches long. This is one of the most popular varieties with the market gardener and an excellent variety for the home garden. Length of straw, 14 inches. $\frac{1}{2}$ lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.65; 25 lbs., \$4.25; 50 lbs., \$8.50; 100 lbs., \$16.00; 1 bu. (56 lbs.), \$9.15.

NITRAGIN

In ordering specify for Peas. Inoculator size for 1 bu., \$1.00; $\frac{1}{2}$ bu., 60c; $\frac{1}{4}$ bu., 40c; Garden size, 25c.



BLISS EVERBEARING

A variety vigorous and branching in habit of growth. The peas are borne very abundantly, and if kept picked the pods will continue to form. Pods 3 inches long, broad and wrinkled. 1/2 lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.65; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (56 lbs.), \$9.15.



PREMIUM GEM

There is no variety of the earlier that is more popular. It is hardy, prolific and uniform in habit and growth. Pods 2 1/2 inches long, well filled in the end, containing peas of fine flavor which are produced about a week later than American Wonders. Straw 18 inches in length. 1/2 lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.65; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (56 lbs.), \$9.15.

MCLEAN'S LITTLE GEM

Similar to Premium Gem, but more straggling in growth. This variety has been handed down over a great number of years and still retains its popularity with the market and home gardener. Straw 18 inches in length. 1/2 lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.65; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (56 lbs.), \$9.15.



AMERICAN WONDER

One of the well known early varieties that has been before the garden public for a great many years. An excellent sort for the home garden as well as market gardeners. It has dark green luxuriant foliage, leaves produced on one side of the stalk. Pods dark green, straight, well filled to the ends, 2 1/2 inches long. Straw 10 inches in length. 1/2 lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.65; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (56 lbs.), \$9.15.

HORSFORD'S MARKET GARDEN

This variety resembles Premium Gem in habit, but is about 10 days later. Producing pods in pairs very prolifically. The foliage is dark green. Pods 2 1/2 inches long, straight and blunt. This sort is very popular with the canners as well as the market gardener. Straw 24 inches in length. 1/2 lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.25, postpaid. Not prepaid, 5 lbs., 85c; 10 lbs., \$1.65; 25 lbs., \$3.80; 50 lbs., \$7.35; 100 lbs., \$14.50; 1 bu. (56 lbs.), \$8.25.



DWARF TELEPHONE OR DAISY

A mid-season variety ripening about a week earlier than Stratagem. The pods are 4 inches long, broad, straight, round at the point, often containing 10 peas. This is remarkable for a dwarf variety. Length of straw, 20 inches. 1/2 lb., 20c; lb., 37c; 2 lbs., 70c; 5 lbs., \$1.45, postpaid. Not prepaid, 5 lbs., 95c; 10 lbs., \$1.85; 25 lbs., \$4.50; 50 lbs., \$8.75; 100 lbs., \$17.00; 1 bu. (56 lbs.), \$9.60.

SHUMWAY'S PERFECTION

The most delicious sweet early variety. A sort that will surely please those who wish to be the first on the market with green peas. Straw 18 inches in length. 1/2 lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.75; 25 lbs., \$4.35; 50 lbs., \$8.50; 100 lbs., \$16.50; 1 bu. (60 lbs.), \$10.00.



IMPROVED LARGE TELEPHONE

One of the grandest, largest late peas. Vigorous in growth, rich, dark green foliage. Pods, 5 to 5 1/2 inches long, dark green. Extensively used for the select late market trade. An excellent yielder, therefore, profitable. Length of straw, 42 inches. 1/2 lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.65; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (56 lbs.), \$9.15.



LAXTONIAN

This extremely early variety is really a giant of the Dwarf growing peas, remarkable for the small home garden, as it yields abundantly for the small space given to it. Pods 4 inches long and well filled with 8 dark green peas. Excellent flavor. This variety is also used by the market gardeners to supply the fancy markets, as it is the pea of real quality. Length of straw 18 inches. Ready for use 70 days after time of planting. 1/2 lb., 20c; lb., 38c; 2 lbs., 70c; 5 lbs., \$1.50, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.00; 25 lbs., \$4.75; 50 lbs., \$9.25; 100 lbs., \$18.00; 1 bu. (56 lbs.), \$10.25.

SUTTON'S EXCELSIOR

This is a very popular dwarf wrinkled variety. Vines are somewhat more vigorous than Nott's Excelsior and equally productive. The pods are large, broad and well filled with large peas; heavily set and often produced in pairs, pale green in color. Straw 16 inches in length. 1/2 lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.25, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.65; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (56 lbs.), \$9.15.

**FIRST & BEST**

Productive extra early variety with a vigorous vine light in color and uniform in growth. Pods are straight, $2\frac{3}{4}$ inches long, round, light in color with blunt ends. A desirable variety for the extra early market. Straw 30 inches in length. $\frac{1}{2}$ lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.20, postpaid. Not prepaid, 5 lbs., 75c; 10 lbs., \$1.35; 25 lbs., \$3.25; 50 lbs., \$6.25; 100 lbs., \$12.00; 1 bu. (60 lbs.), \$7.25.

MELTING SUGAR

A large late sugar pod pea. The pods are edible and snap the same as beans without any strings. Extremely sweet, rich and tender, should be used while pods are small. $\frac{1}{2}$ lb., 20c; lb., 38c; 2 lbs., 70c; 5 lbs., \$1.50, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.10; 25 lbs., \$4.75; 50 lbs., \$9.25; 100 lbs., \$18.00; 1 bu. (60 lbs.), \$10.90.

LARGE WHITE MARROWFAT

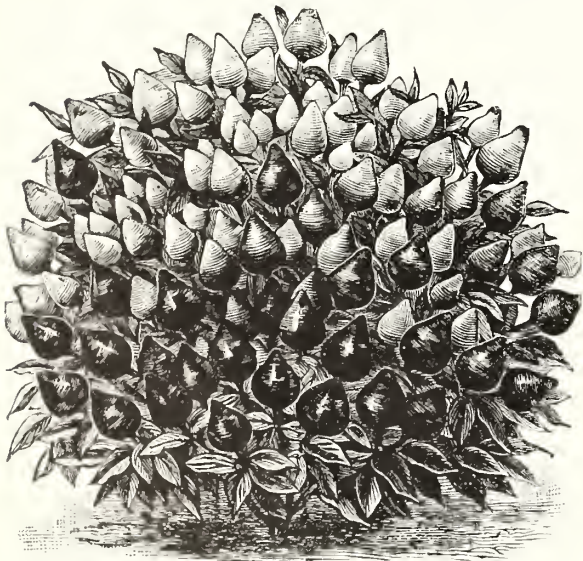
Hardy, vigorous, bearing prolifically. Pods 3 inches long near the top of the vines. This is one of the older varieties and many people prefer them to the varieties that are sweeter. This sort is also used for sowing with oats for feeding stock. $\frac{1}{2}$ lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.20, prepaid. Not prepaid, 5 lbs., 75c; 10 lbs., \$1.35; 25 lbs., \$3.25; 50 lbs., \$6.25; 100 lbs., \$12.00; 1 bu. (60 lbs.), \$7.25.

AMEER

Sometimes called Large Podded Alaska. It is similar in growth and appearance, but the pods are longer and the peas larger, about 3 inches long and slightly curved. A good variety for the market gardener as well as the home garden. Straw, 30 inches in length. $\frac{1}{2}$ lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.70; 25 lbs., \$4.00; 50 lbs., \$7.75; 100 lbs., \$15.00; 1 bu. (60 lbs.), \$9.15.

Peppers

Hot, Pungent Varieties

**CELESTIAL**

This is a sharp, pungent, useful variety which bears fruit the whole season. This is a valuable ornament for the flower garden as fruit appears in all stages at one time. Desirable for pickles or pepper sauce. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.50.

SMALL RED CHILI

Beautiful red pods about 2 inches long. They are very hot, desirable in the making of pepper sauce or pickles. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.50.

**LONG RED CAYENNE**

A well known, pungent, very sharp variety. Used in pickles and pepper sauce, also desirable for feeding birds. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.50.

**IMPROVED STRATAGEM**

This variety comes into use after the Gems; it is a heavy cropper, very vigorous in habit, pods are $4\frac{1}{2}$ inches in length, large, broad, dark green in color. Peas are of superior quality. An excellent variety for market and home use. Straw 20 inches long. $\frac{1}{2}$ lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.30, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.65; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (56 lbs.), \$9.15.

CHAMPION OF ENGLAND

Prized highly by those who are fond of large, tender, luscious peas. Hardy and vigorous in growth, the pods are 3 inches long, blunt, dark green in color, nearly straight. One of the old standbys, remaining very popular. Straw, 48 inches in length. $\frac{1}{2}$ lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.25, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.70; 25 lbs., \$4.00; 50 lbs., \$7.75; 100 lbs., \$15.00; 1 bu. (56 lbs.), \$8.50.

ALASKA

A variety extensively used by the canning factories. It is very early and when properly cared for will bear the peas at one time. The foliage is light green in color, the pods $2\frac{1}{2}$ inches long, round and well filled. The seed is round, with a bluish cast, slightly pitted. This variety keeps well in the basket after being picked, making it a desirable variety for the early market. Height, about 30 inches. $\frac{1}{2}$ lb., 17c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.30, postpaid. Not prepaid, 5 lbs., 85c; 10 lbs., \$1.60; 25 lbs., \$3.75; 50 lbs., \$7.25; 100 lbs., \$14.00; 1 bu. (60 lbs.), \$8.50.

**ALDERMAN**

A large podded late variety, $4\frac{1}{2}$ to 5 inches long and of excellent quality. The vines are vigorous and produce abundantly. A variety of merit for the market gardener. Length of straw, 45 inches. $\frac{1}{2}$ lb., 18c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., 90c; 10 lbs., \$1.65; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00; 1 bu. (56 lbs.), \$9.15.

For More Vigorous Growth and Greater Yield of Peas Use



Inoculator size for 1 bu., \$1.00; $\frac{1}{2}$ bu., 60c; $\frac{1}{4}$ bu., 40c; Garden size, 25c.

In Ordering Specify for Peas

**CORN SALAD**

An excellent and valuable vegetable for salads, which can be had constantly by successive sowings. Late sowings may be covered with straw in winter for early use in the spring. In some sections of the country it is used in place of lettuce for winter use. Pkt., 7c; oz., 12c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.10.

**GEORGIA COLLARDS**

A valuable vegetable used for greens. Leaves grow anew after picking. The quality improves with freezing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; lb., 80c.

**BROAD LEAVED DANDELION**

An improved large variety from Europe. Not to be confused with the common varieties. Very large size and when cultivated makes an excellent vegetable for spring greens. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.85.

Peppers (Sweet)

CULTURE

This vegetable should be handled the same as Egg Plant and Tomato, starting them indoors. They are easily grown, thriving in cold weather and will stand light late frosts. Transplant into the open ground about May 15th setting them 10 to 20 inches apart in the rows. The sweet varieties are favored by many for salads and when stuffed with chopped or force meat and baked, they are very delicious. The hot or pungent varieties such as Cayenne, Chili, and Celestial are used to flavor sauces and pickles.



HARRIS EARLY GIANT

A new variety which is readily sought for on all markets. Early, beautiful red, extremely tender variety. Really a peer in the pepper family. Very desirable in size and for the preparing of all pepper delicacies. Should be planted by all who desire peppers in their garden. Pkt., 12c; oz., 50c; ¼ lb., \$1.75; ½ lb., \$3.25; lb., \$6.00.



CHINESE GIANT

This variety is correctly named as it produces fruit of an enormous size. Very prolific. The flesh is thick, tender and sweet. Very desirable for salads or to be stuffed and baked. This is the choice late variety. Pkt., 12c; oz., 50c; ¼ lb., \$1.75; ½ lb., \$3.25; lb., \$6.00.



CALIFORNIA WONDER

A new distinct variety. Very large, square ended, sweet pepper. The color is bright green and when ripe a brilliant crimson. The flesh is thick and smooth. This we consider exceptionally fine for salads as well as stuffing with forced meat for baking. Too much cannot be said of this variety. Pkt., 15c; oz., 60c; ¼ lb., \$2.25; ½ lb., \$4.00; lb., \$7.50.



MOUNTAIN SWEET

A very popular pepper for salads and pickles. A glossy red thick flesh and is not pungent. This variety meets with ready sale wherever offered. Pkt., 10c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.65; lb., \$3.00.



PIMENTO

This is the sweetest pepper grown; no trace of sharpness. The peppers are medium size and are grown abundantly on a well formed bush. An excellent variety to be used in salad or for baked stuffed peppers. Pkt., 10c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.65; lb., \$3.00.



MAMMOTH GOLDEN QUEEN

A novelty in the pepper family. Very large, bright, waxy golden yellow. Very mild, making them a delightful addition to salads. Pkt., 12c; oz., 50c; ¼ lb., \$1.75; ½ lb., \$3.25; lb., \$6.00.



RUBY KING

Very large ruby red variety. Flesh thick, crisp and tender. Very prolific. Pkt., 10c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.65; lb., \$3.00.



BULLNOSE OR LARGE BELL

Large, extremely prolific mild variety. The skin is bright glossy red, flesh very thick. They sell readily on the markets, being a favorite pickling as well as salad variety. Pkt., 10c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.65; lb., \$3.00.



**LARGE YELLOW CONNECTICUT FIELD
OR BIG TOM**

The old, well known, standard eastern sort for stock feeding. Can be grown anywhere. Very good for pies and sells well in market. Oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 3 lbs., \$1.75; 5 lbs., \$3.00, postage paid. By express, charges collect, 3 lbs., \$1.45; 5 lbs., \$2.50.

KENTUCKY FIELD

A fine grain, large sort and does well amongst corn. Very sweet and fine for pies or canning, and very rich food for stock. Heavy yielder. Oz., 8c; ¼ lb., 20c; ½ lb., 35c; lb., 60c; 3 lbs., \$1.60; 5 lbs., \$2.85, postpaid. By express, charges collect, 3 lbs., \$1.35; 5 lbs., \$2.35.



MAMMOTH JUMBO OR POT IRON

This sort is generally used for stock feeding and for exhibition purposes. They are a bright lemon in color, mottled with orange; round with a trace of ribs. The flesh is very hard and firm. Matures in 120 days. Average weight, 60 lbs. Pkt., 10c; oz., 15c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.70; 2 lbs., \$3.25.



TENNESSEE SWEET POTATO

The fruit of this variety are pear or bell shaped. Medium size, white skin, slightly mottled with green strings. Average weight about 15 lbs. The flesh is creamy white, thick and sweet. It rivals the sweet potato in flavor, generally liked. Pkt., 8c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20; 2 lbs., \$2.20.

Pumpkins



LARGE CHEESE

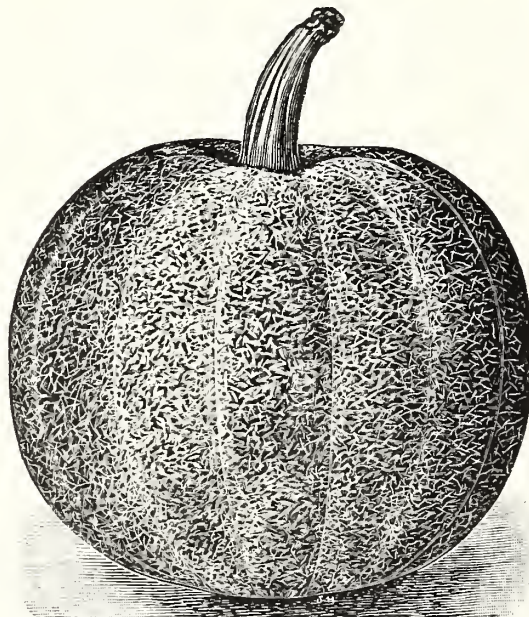
Similar to a cheese box in appearance. They are very flat, cream colored and slightly ribbed. Keeping qualities excellent. This is one of the older varieties which is still very popular. Very prolific and disease resistant. Matures in 110 days. Weight, 10 lbs. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.00, postpaid.

NOTICE: If you are in the market for 10 lbs. or more of Pumpkin Seed, write for special quotation.



SUGAR

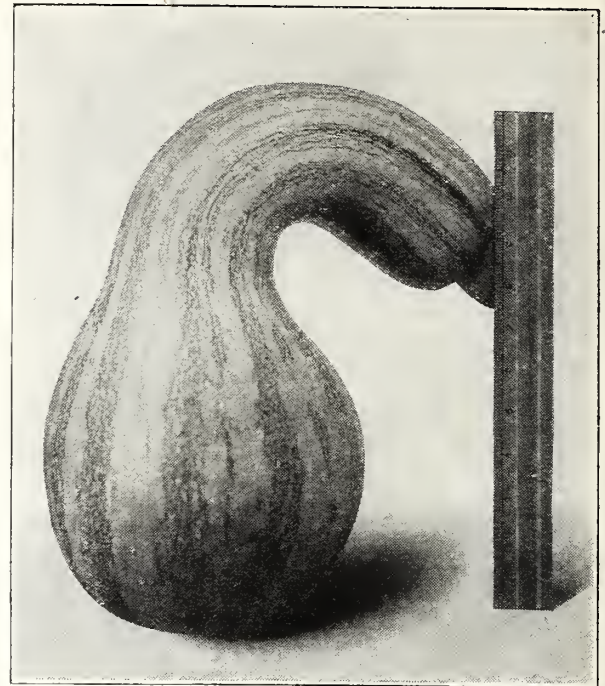
This is also called Boston Pie and Sugar Pie. Without a doubt this is the best pumpkin for general use. It is late, very prolific, thick, sweet flesh. They are round and flat on the ends. Deep orange in color. It will store exceptionally well. Used largely for canning but more for home and market gardens. Matures in 120 days. Weight, 6 to 7 lbs. Pkt., 8c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 95c; 2 lbs., \$1.80; 5 lbs., \$4.00, postpaid.



WINTER LUXURY OR QUEEN

This is similar in size to the Sugar Pumpkin, but is covered with a fine netting. It is one of the sweetest and most prolific varieties. The color when ripe is a light orange. Average weight, 7 lbs. Matures in 100 days. A very desirable variety for pies. Pkt., 8c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.00, postpaid.

Crook-Necked Varieties



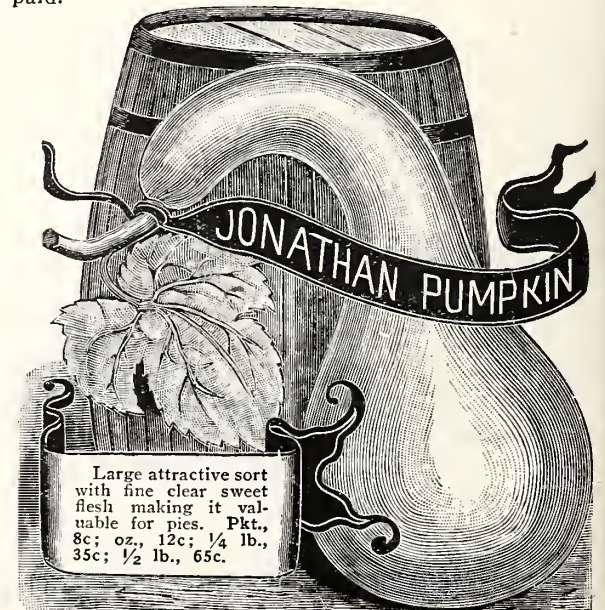
STRIPED CUSHAW

The rind is white mottled with irregular green stripes. Comparatively early and very prolific. Largely used for feeding stock. Average weight, 12 lbs. Matures in 120 days. Pkt., 8c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.00, postpaid.



JAPANESE PIE

This is similar in shape to the Cushaw. Crook-necked, the skin is dark green. The seeds are large, showing a polish with markings similar to Chinese Letters. This is an early popular variety both for pies and for feeding stock. Matures in 115 days. Weight, 10 to 12 lbs. Pkt., 8c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.00, postpaid.



Large attractive sort with fine clear sweet flesh making it valuable for pies. Pkt., 8c; oz., 12c; ¼ lb., 35c; ½ lb., 65c.

Radish

Sow as early as the ground can be worked, particularly the Round Red and Olive shaped varieties. After the first of May sow the long varieties. After the first of June sow the larger varieties such as Strasburg and Stuttgart. All winter varieties should not be sown until the 15th of July. Do not make the mistake of sowing your Radish too thick as they should stand at least 1/2 inch apart in the row. The larger varieties naturally require more space.



SPARKLER OR WHITE TIPPED SCARLET TURNIP

(See Inside Front Cover)

The leading extra early variety for market gardeners, as well as home garden use. Very crisp, slow to become pithy as it is such an extremely early variety. This stock we offer is grown from transplanted stock assuring the planter the utmost in quality. Pkt., 7c; oz., 15c; 1/4 lb., 30c; 1/2 lb., 50c; lb., 90c; 5 lbs., \$4.00; 10 lbs., \$7.50, postpaid.



VICK'S SCARLET GLOBE

This variety is recommended highly for its earliness. Excellent forcing quality and certainly one of the popular varieties for the open ground. Produces radishes scarlet in color, crisp and tender, in about 25 days. This sort seems to be able to stand the heat in dry weather without becoming pithy or strong. Foliage is small, making it a desirable variety for the market gardeners. Pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 45c; lb., 80c; 5 lbs., \$3.60; 10 lbs., \$7.00, postpaid.



SHUMWAY'S WHITE TIPPED SCARLET BEAUTY

This variety is ready for table use three weeks after sowing the seed. They are desirable in size, uniform in shape with short tops. An exceptional variety for market gardeners and for the backyard gardens. Pkt., 10c; oz., 20c; 1/4 lb., 45c; 1/2 lb., 75c; lb., \$1.40; 5 lbs., \$6.00, postpaid.



ROSY GEM

This strain has come into popularity very rapidly. Beautiful red with a white tip. An excellent variety for bunching, as the quality is excellent and the tops are short. This variety cannot be recommended too highly. Market gardeners buy this in great quantities and make weekly plantings. It produces quickly, radishes of superior quality. Pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 45c; lb., 80c; 5 lbs., \$3.60; 10 lbs., \$7.00, postpaid.



FRENCH BREAKFAST

One of the well known varieties which is very popular for outdoor as well as growth under glass. Beautiful scarlet in color, with a white tip which lends to its appearance when bunched. Its quality is excellent, meeting practically all the demands placed upon it. Pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 45c; lb., 80c; 5 lbs., \$3.60; 10 lbs., \$7.00, postpaid.



ICICLE RADISH

This we consider the finest long white radish. It remains crisp and mild long after its maturity. It is ready for table use in about 23 or 24 days. We suggest a planting every week to 10 days so as to have a succession in your garden. Pkt., 7c; oz., 15c; 1/4 lb., 30c; 1/2 lb., 50c; 1 lb., 90c; 5 lbs., \$4.00; 10 lbs., \$7.50, postpaid.



CRIMSON GIANT

(See Basket on Back Cover)

An all purpose variety. About twice the size of other sorts, but does not become pithy or strong. The flesh is a crystal white, tender, crisp and sweet. This variety makes a beautiful appearance when bunched and ready for market. Pkt., 7c; oz., 15c; 1/4 lb., 30c; 1/2 lb., 50c; lb., 90c; 5 lbs., \$4.00; 10 lbs., \$7.50, postpaid.

WHITE VIENNA OR LADY FINGER RADISH

An ivory white, brittle, early, beautiful shaped long radish. Cannot be excelled for the market gardener or the home garden. Pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 45c; lb., 80c; 5 lbs., \$3.60; 10 lbs., \$7.00, postpaid.



WHITE TIPPED OLIVE

A variety that had its origin in France. One of the earliest and of exceptional quality. It is crisp and tender, beautiful scarlet in color. Pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 45c; lb., 80c; 5 lbs., \$3.50; 10 lbs., \$7.00, postpaid.

NOTICE: If you are in the market for large quantities of radish seed, 15 lbs. or more, write for special quotations.

**SHUMWAY'S MARKET OR CHARTIER**

A long beautiful red variety, tips shade to snow-white. Quality is excellent and meets with ready sale where the market requires a long radish. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.60; 10 lbs., \$7.00, postpaid.

LONG SCARLET SHORT TOP

The name practically tells the story of this variety. It is a very crisp, clean appearing radish, making it desirable for the market as well as home gardens. Very fine quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.60, postpaid.

BRIGHTEST LONG SCARLET

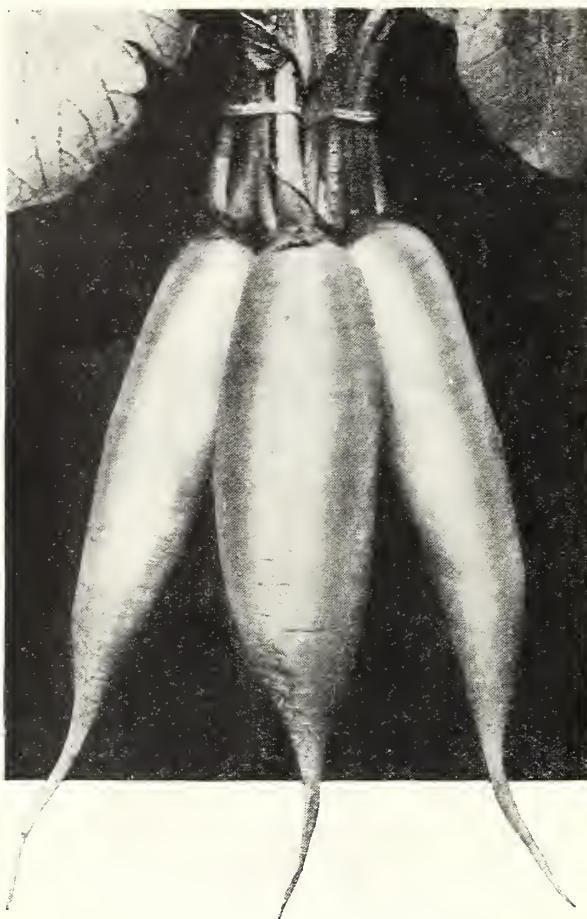
A desirable variety for home garden. The radish is a bright scarlet color, which blends to a pure white at the tip. This variety is usually ready for use in 25 days. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.60, postpaid.

**SCARLET OLIVE**

An early olive-shaped variety of excellent quality. Beautiful and attractive in appearance. This variety is a good seller on the markets and very desirable in the home garden. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.60; 10 lbs., \$7.00, postpaid.

**EARLY SCARLET TURNIP**

This is a well known, very early variety of exceptional quality. Beautiful scarlet in color. Short top which makes it a desirable variety for the market gardener and in the home garden where space is scarce. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.60; 10 lbs., \$7.00, postpaid.

**LONG WHITE STRASBURG**

The flesh of this variety is snow-white, tender and not sharp. Grows quickly and crisp. Ready for the market at any stage of growth. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

Winter Varieties

Not to be sown until June 15th or after

JAPANESE WINTER

A stump root variety that grows to considerable size. Very solid ivory white in color. When stored in sand will keep well into the winter. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c.

MAMMOTH WHITE

Sometimes called California Mammoth Winter. This grows to an enormous size, often over a foot long. It is pure white, solid and brittle. Can be sown in July. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c.

CHINA ROSE

A bright rose color winter variety. Sow the seed the latter part of June to the last of July. Roots may be stored away for winter use. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c.

MAMMOTH WHITE CHINESE STUMP ROOT

This valuable variety can be used at all seasons of the year and be kept the same as the winter variety. This has all the desirable qualities that can be expected of a radish. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c.

LONG BLACK SPANISH

This variety is a dark purple in color, almost black. This sort keeps exceptionally well when stored for winter use. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c.

**SHUMWAY'S GOLDEN GLOBE**

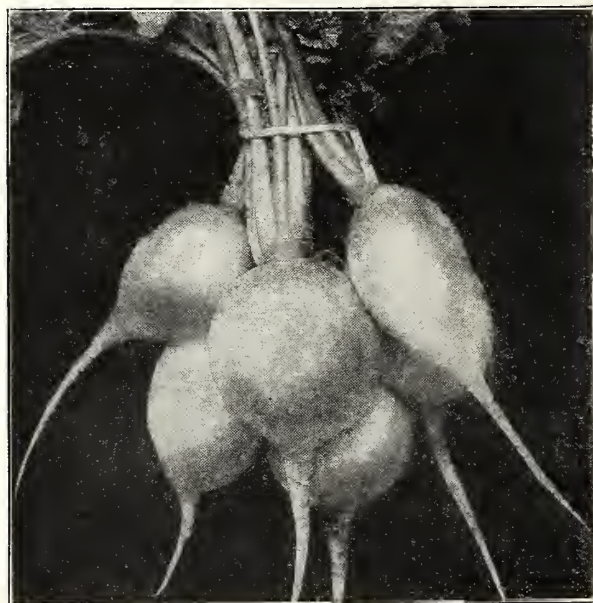
A large, crisp, golden yellow variety which stands the heat the best of any of the strains. It grows rapidly and when not too large is very sweet and tender. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

**NON PLUS ULTRA**

An extra early, bright red forcing variety as well as a desirable strain for outdoor planting. The flesh is a crystal white, crisp and juicy, of extra good quality. For those who produce radishes under glass this variety cannot be excelled. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.60; 10 lbs., \$7.00, postpaid.

**CARMINE GLOBE**

A new dazzling red variety that is ready for use ahead of many of the other sorts. As a forcing variety it cannot be excelled and remarkable as a producer in the open ground. Tender, sweet and crisp, which are the desirable points of a radish. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.60; 10 lbs., \$7.00, postpaid.

**WHITE TURNIP OR BOX**

The purest white round radish on the market. All of the fine qualities of the other varieties and makes a beautiful appearance when bunched with the scarlet sorts. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.60, postpaid.

GIANT WHITE STUTTGART

A very large summer variety. Very slow to become pithy as it is able to withstand the heat. Recommended for market as well as home garden. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 80c; 5 lbs., \$3.60, postpaid.

Herbs

CULTURE. Herbs do the best in a rich mellow soil. The seeds are sown early in the spring rather shallow; when they are up a few inches thin out so they will stand the proper distance apart. For use, herbs should be cut on a dry day before in full blossom, tie up in bunches and hang where they can dry out quickly. The varieties marked with an asterisk * are perennials.



Anise: Used for garnishing and cordials. Pkt., 8c; oz., 30c.

* **Balm:** Used for tea or Balm wine. Pkt., 8c; oz., 30c.

Basil, Sweet: Leaves are used for flavoring soups, stews, and highly seasoned dishes. Pkt., 10c; oz., 50c.

Borage: The blossoms are excellent for bees. Leaves are used in salads. The flower spikes are used in cooling drinks. Pkt., 10c; oz., 30c.

Caraway: Seeds are used for flavoring bread, cakes, etc. Pkt., 8c; oz., 20c.

* **Catnip:** Medicinal. Cats are very fond of it. It is also used as a seasoning. Pkt., 10c; oz., 50c.

Coriander: The seeds are used in flavoring sausage and meats. Pkt., 10c; oz., 25c.

Dill: Leaves are used in pickles and for flavoring soups and sauces. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 50c; lb., 90c.

* **Fennel, Sweet:** The leaves when boiled are used in sauces for fish, also makes a beautiful garnish. Seeds are used for flavoring. Pkt., 8c; oz., 20c.

* **Horehound:** Leaves are used for flavoring, also in the manufacture of remedies for coughs. Pkt., 8c; oz., 45c.

* **Lavender:** Grown chiefly for its flowers which are used in the manufacture of Perfume. Also to lay between linens for perfuming. Pkt., 8c; oz., 25c.

* **Rosemary:** Leaves are used for seasoning. Pkt., 10c; oz., 45c.

* **Rue:** For medicinal purposes. Used as a cure for roup in fowls. Pkt., 10c; oz., 50c.

Saffron: Used for flavoring and coloring. Pkt., 10c; oz., 40c.

* **Sage:** The most popular herb for seasoning in dressings. Pkt., 10c; oz., 45c.

Summer Savory: Leaves and young shoots used for flavoring. Pkt., 8c; oz., 25c.

* **Sweet Marjoram:** Leaves are used in the summer and dried in the winter for flavoring. Pkt., 10c; oz., 45c.

* **Tansy:** Used for seasoning. Pkt., 10c; oz., 50c.

Thyme: Used for seasoning, also for a tea which is used for nervous headaches. Pkt., 10c; oz., 50c.

* **Wormwood:** Plant this in your poultry yard as it is very beneficial for chickens. Pkt., 8c; oz., 25c.



SALSIFY OR VEGETABLE OYSTER

This vegetable surpasses carrots or parsnips in richness. It should be grown more generally, as it affords a pleasing variation for the table, when boiled or fried, or after par-boiling can be grated, rolled into flattened balls and fried. The winter supply should be taken out before the ground is frozen and stored away in sand for the winter. Allow some to remain in the garden throughout the winter and lift in the spring before any growth has started and you will find the flavor improved.

MAMMOTH SANDWICH ISLAND

Uniform in growth, large and of excellent quality. Pkt., 10c; oz., 22c; ¼ lb., 65c; ½ lb., \$1.20; lb., \$2.25.

LONG WHITE

A pure white strain. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00.

Spinach

Culture

This excellent vegetable used for greens does the best in cool moist weather, therefore the seed should be sown as early as possible in the spring, planting 1 inch deep in rows about a foot apart, thinning out as growth continues so they stand 4 to 5 inches apart in the rows. When warm weather comes on it will bolt to seed quite quickly.

King of Denmark, and Princess Juliana are the slowest to seed of any. New Zealand is the variety from which the tender shoots are picked off and a small patch provides greens all summer long. It is well to start a planting of Spinach the last of August and this planting will afford delightful vegetables again in the fall.

Spinach has been found very beneficial through scientific research work as it possesses a great vitamin content. The medical profession advises its use in the feeding of babies according to their directions.



LONG STANDING BLOOMSDALE SAVOY

A new strain of the Bloomsdale Savoy. Selected, very slow to bolt to seed. A very desirable variety, as the leaves are decidedly crumpled, very fleshy, allowing it to lie in hampers rather lightly. Very early and of fine quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.25, postage paid.

VICTORIA OR PERFECTION

This variety is rather slow to go to seed. It is of the Savoy type, broad, crumpled, dark green, leaves of superior quality. Pkt., 5c; oz., 8c; ¼ lb., 17c; ½ lb., 27c; lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75, postpaid.

ROUND LEAF

A splendid variety desirable for home or market. Leaves are quite crumpled, brittle and tender. Pkt., 5c; oz., 8c; ¼ lb., 17c; ½ lb., 27c; lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75, postpaid.

PRICKLY-SEEDED

A very hardy variety, particularly adapted to late planting. Sow in August or first part of September for fall use. Can be planted in the fall, last part of October or first of November, and allowed to remain in the ground over winter, germinating in the spring and producing early. Pkt., 5c; oz., 8c; ¼ lb., 17c; ½ lb., 27c; lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75, postpaid.

NOTICE: If you are in the market for large quantities of spinach seed, 25 lbs. or over, write for special quotations.



NEW ZEALAND

This is commonly called spinach, but in reality it is not. However, it is carried in this classification, as it supplies greens throughout the summer. It grows in bush form an abundance of stalks and leaves that are fleshy and brittle. The seed should not be sown until it has been soaked in warm water over night. Then sow in the open ground after May 1st or when the soil is fairly warm. The seed will not germinate in cold soil. Thin the plants in the row to stand about 18 inches to 2 feet apart, so as to allow sufficient room for growth. Pkt., 7c; oz., 12c; ¼ lb., 30c; ½ lb., 50c; lb., 90c.



KING OF DENMARK OR ANTVORSKOV

Without exception this is one of the finest varieties grown. It is practically as early as any of the other varieties but is very slow going to seed, which makes it an exceptionally fine sort for the shipper and market gardener. The leaves are large, slightly crumpled, dark green in color. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.25, postpaid.

PRINCESS JULIANA

A selection made from King of Denmark. Equal in quality in every respect, but still a variety that is very late in throwing off the seed stalk. Spinach has both male and female plants, the male throws the seed first, therefore in selecting the strain the male plants were eliminated, resulting in a strain that is particularly adapted for shippers. We highly recommend this Spinach. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.25, postpaid.



LONG STANDING

A variety very compact in growth, bearing thick, dark green leaves. Slow to throw off the seed stalk. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.25, postpaid.



MONSTROUS VIROFLAY

A quick growing variety used extensively by the gardeners in the South. A profuse yielder of large leaves. A desirable variety for either spring or fall planting. Pkt., 5c; oz., 8c; ¼ lb., 17c; ½ lb., 27c; lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75, postpaid.

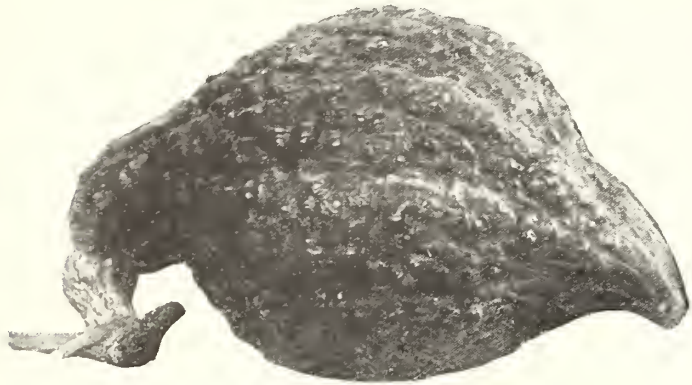
Squash

1 oz. of seed for 20 to 25 hills and 3 to 5 lbs. to the acre.

Before going into the method of handling Squash it is well to call the attention to the fact that Scientists are now aware of the fact that vitamins appear in considerable quantity in Squash. They should be fed to children who are backward in physical development.

CULTURE: Squash should be planted about the same time one plants corn. Squash also are heavy feeders, therefore it would be well to plant them in heavy manured hills. The summer sorts in hills 4 to 5 feet apart each way, the winter varieties 10 to 12 feet apart each way dropping 10 to 12 seeds in a hill and thinning out after the danger of the insects is past. Use "SLUG SHOT" to repel the Squash beetle as well as the Yellow Striped beetle.

NOTICE: If you are in the market for large quantities of squash seed, 10 lbs. or over, write for special quotations.



CHICAGO WARTED HUBBARD

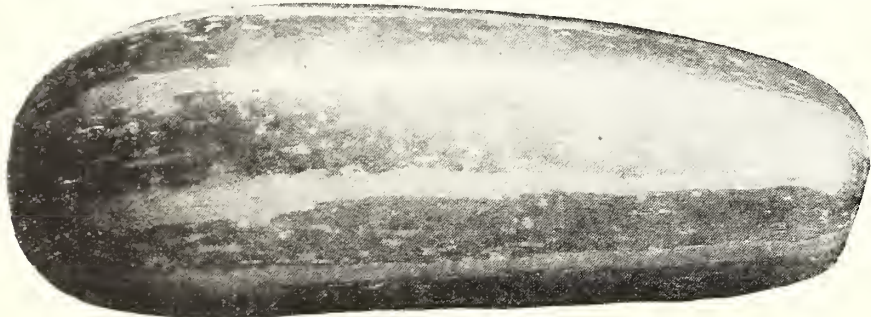
Slightly larger than Improved Hubbard and thickly covered with warts. Color is bronze green, very attractive. Flesh thick and golden in color. An excellent winter squash. Will average about 2 lbs., heavier than the Improved Hubbard. Edible in 120 days. Size, 14x9. Weight, 15 lbs. Pkt., 10c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.30; 5 lbs., \$5.50, postpaid.

TRUE HUBBARD SQUASH

The most popular of the winter varieties. They are pointed at both ends, moderately warty. Deep green in color, flesh is dry, thick, and sweet. Average weight about 12 lbs. Edible in 120 days. Size 9x12 inches. Pkt., 10c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.30; 5 lbs., \$5.50, postpaid.

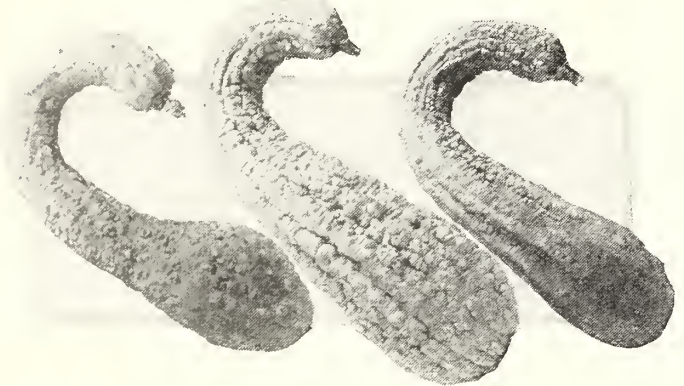
DELICIOUS

The winter squash of quality. The fruit of this variety varies in size averaging about 8 lbs. Top shaped. The rind is thin and even green. The flesh is very thick and dark orange in color. It has excellent keeping qualities. The name rightfully describes this variety. Pkt., 10c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$6.50, postpaid.



COCOZELLE. Also called Italian Marrow

Long, cylindrical in shape, tapering slightly to the stem end. A summer variety used when immature. The skin is dark green, changing to stripes of green and gold as it ripens. Very productive. 12 to 16 inches long. 5 to 6 inches in diameter. Edible in 60 days. Weight, about 4 lbs. Pkt., 10c; oz., 18c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.30; 5 lbs., \$5.50, postpaid.



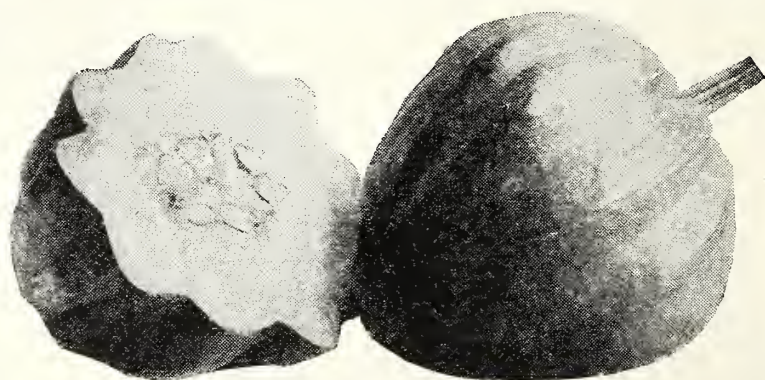
Giant Summer Crookneck

SUMMER SQUASH

Giant Crookneck. A variety in general use. Its size, shape and color are admirable. A beautiful golden yellow, covered with fine warts. The vines are rather bushy, therefore will allow comparatively close planting. This variety generally grown by market gardeners. Edible in 55 days. Size 14x4. Weight, 4 lbs. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.10; 5 lbs., \$5.00, postpaid.

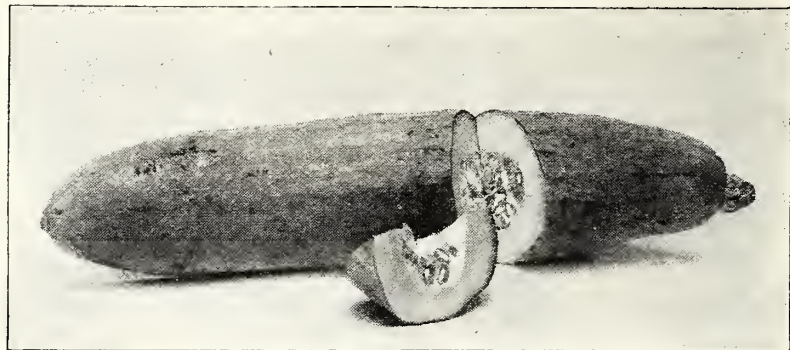
SQUASH (New Variety)

Straight Neck. A strain bred up out of the above, as the name implies, to do away with the crook. A much better variety to use for the market gardeners, as they will pack better and there is not the danger of breaking off the neck. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75, postpaid.



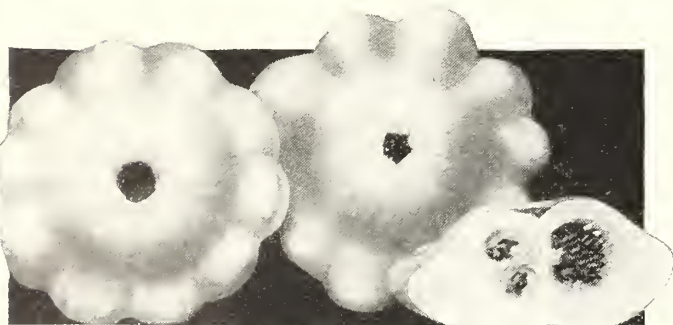
DES MOINES OR TABLE QUEEN

Without a doubt the finest flavored small squash for baking, known. It is the ideal size to cut in half and prepare for the table. Size 6 to 7 inches long and 4 to 5 inches in diameter, being produced very prolifically on a running vine. This variety is ready for use before the Hubbard, and can be stored away and kept equally as well. Flesh is bright golden in color, dry and mealy. Pkt., 10c; oz., 18c; ¼ lb., 55c; ½ lb., \$1.00; lb., \$1.75.



SHUMWAY'S MEXICAN BANANA SQUASH

Introduced from Mexico by R. H. Shumway a great many years ago. A long type of winter squash. The rind is a slate gray in color, flesh very thick, golden, vying with the sweet potato in flavor. Length, 24 inches by 5 or 6 in diameter. Keeps well into the winter. Edible in 120 days. Pkt., 10c; oz., 18c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.30; 5 lbs., \$5.50, postpaid.

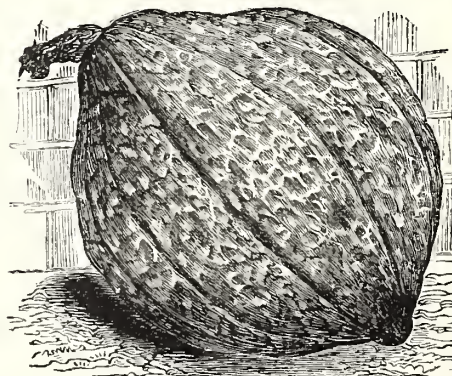


MAMMOTH WHITE BUSH SCALLOP

The fruits are of fair size, quite flat, with scalloped edges. Very prolific, disease resistant. The fruits are 8 inches in diameter and 3 inches thick. Edible in 55 days. Weight 2½ lbs. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

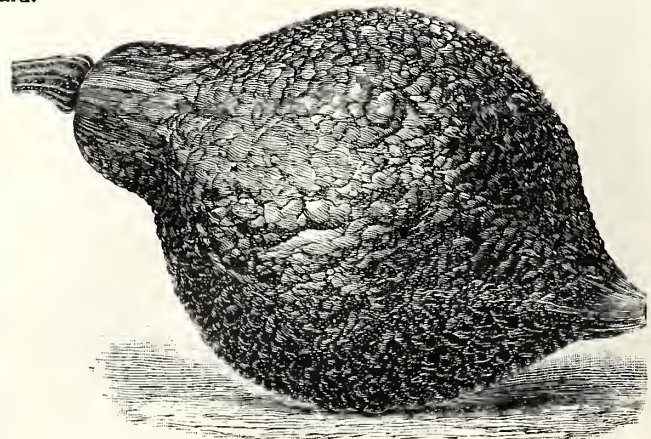
GOLDEN CUSTARD

This strain is similar in all respects to the Mammoth White Bush Scallop, except for its color. This sort, golden yellow. Very prolific. Edible in 55 days. Size 14x4. Average weight 5 lbs. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.



ORANGE MARROW

The rind of this variety is orange red in color, similar in shape to the Hubbards. It is early, extremely prolific, flesh rich, sweet, and dry. Fruit weighs about 7 lbs. Edible in 100 days. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.



GOLDEN HUBBARD

A little smaller than the Improved Hubbard. Rind is a golden yellow and warty. This is the earliest of the Hubbard strain, and more prolific. This sort is a favorite with the canners and is an excellent winter squash. Fruits average about 8 lbs. Size 8x11 inches. Edible in 110 days. Pkt., 10c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.30; 5 lbs., \$5.50, postpaid.

TOMATO



DWARF STONE

This is a main crop scarlet fruited variety. The fruit is medium to rather large size, quite thick and smooth, with 4 to 7 seed cells and the fruit sets in clusters of 4 to 5. The vine is of the Dwarf or Tree type and shows good wilt-resistance. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; ½ lb., \$1.85; lb., \$3.50.

STONE

Bright red smooth main crop variety. Ripens evenly to the stem, no hard core. Excellent canning and market variety. Pkt., 7c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.40.



SHUMWAY'S SENSATION

An introduction in the main crop division of the tomato family of real merit. This variety has shown under trials strong resistance to wilt. The large fruits are smooth and scarlet in color, shy seeders, setting five to seven in a cluster. The vines are open in growth which allows uniformity in ripening. An excellent tomato for salads and canning as well as one for tomato juice of remarkable sparkling flavor. The stock of this tomato is in short supply as yet and can only be offered in the following quantities. Pkt., 35c; ¼ oz., \$1.00; ½ oz., \$1.75; 1 oz., \$3.25.

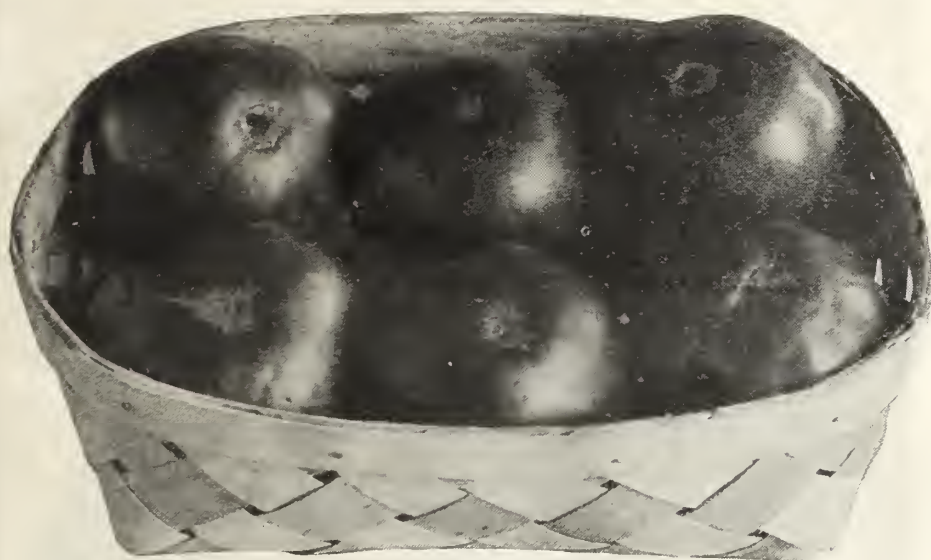


CHALK'S EARLY JEWEL

Two weeks later than Earliana, but a heavier cropper, producing tomatoes of larger size and sweeter flavor. Fruits are very solid, deep, ripening well up to the stem without cracking, forms in clusters of 5 to 7. The flesh is solid, thick, comparatively few seeds. A recommended variety. Ready for market in 95 days. Pkt., 10c; oz., 35c; ¼ lb., 80c; ½ lb., \$1.50; lb., \$2.80.

MATCHLESS TOMATO

A solid, smooth, beautiful red variety. Prolifically produced in clusters of 4 to 6 on strong vines. Good keeper, fine for market and home use. Pkt., 7c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.40; lb., \$2.70.



PONDEROSA

This is the largest of the pink fruited varieties. Vines strong and when pruned to a single stalk fruit will weigh 1 lb. Tomatoes borne in clusters quite open of 3 to 5. Very solid flesh, few seeds. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; ½ lb., \$2.85; lb., \$5.50.



JOHN BAER

A new variety, glossy red in color. Its size and shape are about the same as Earliana; however, fruit is a little thicker from stem to blossom end. One of the earliest, most solid tomatoes known. Ripens evenly up to the stem and does not crack open when ripe. Vines loaded with fruit forming in clusters of 4 to 6. A profitable variety to grow. Pkt., 10c; oz., 35c; ¼ lb., 90c; ½ lb., \$1.70; lb., \$3.25.



SHUMWAY'S GARDEN KING

The tomato of quality. The fruits, which are in clusters of 5 to 7, are very large and smooth, solid meat and very few seeds. Very productive, medium early, ripening in about 100 to 110 days. Very uniform in its ripening and remains in good condition on the vine for a long time. This tomato cannot be surpassed. Pkt., 10c; oz., 45c; ¼ lb., \$1.50; ½ lb., \$2.90; lb., \$5.50.

NOTICE

It should be borne in mind that our Tomato seed is saved from plantings that are expressly made for seed production. The seeds are gathered from the specimen fruits from selected plants. Under this method of production it is natural that there is no by-product for canning. Seed so produced carries the entire expense of production. We feel that the growers of tomatoes desire the utmost in quality and our efforts are with this in mind.

NORTON WILT RESISTANT

This is a maincrop, scarlet fruited variety. It is similar to the Stone but selected for wilt resistance by the United States Dept. of Agriculture. The fruits are medium size, smooth and solid, borne in clusters of 6 to 8. It is a heavy bearing variety and yields an excellent crop. One of the best long distance shippers. If you are in a territory where tomatoes are affected by wilt this variety should be grown. Pkt., 10c; oz., 35c; ¼ lb., \$1.10; ½ lb., \$2.10; lb., \$3.90.



MARGLOBE

The newest wilt resistant variety. It is scarlet fruited maincrop and originated by the United States Dept. of Agriculture. The fruit is of medium size, smooth, solid and deep. They set in clusters of 5 to 7 on the vines. An exceptional variety for the market gardener and shipper. Pkt., 10c; oz., 40c; ¼ lb., \$1.40; ½ lb., \$2.70; lb., \$5.00.



LIVINGSTON'S GLOBE

An excellent all round variety of distinct shape. This may be classed as a second early. The fruits are fairly large, smooth, and of firm flesh, few seeds, borne in clusters of 5 to 7. It is exceedingly productive and unequalled for a main crop variety. This is used extensively by the large tomato growers and truckers of the country. Ready for market in 100 days from seed. Pkt., 10c; oz., 40c; ¼ lb., \$1.35; ½ lb., \$2.50; lb., \$4.75.



JUNE PINK

The best extra early pink variety. Resembles Earliana in every way except color. Fruits grow in clusters of 5 to 8 and begin to ripen early, bearing all through the season. Ready for market in 95 days. Pkt., 10c; oz., 35c; ¼ lb., \$1.25; ½ lb., \$2.35; lb., \$4.25.

CRIMSON CUSHION

Another very large bright scarlet tomato, carried in clusters of 4 to 6. It is a shy seeder with flesh that is very solid and meaty, making it a very desirable table variety. Where size plus quality is desired this variety cannot be surpassed. Pkt., 10c; oz., 35c; ¼ lb., \$1.10; ½ lb., \$2.10; lb., \$3.90.



LIVINGSTON'S BEAUTY

A very popular large purplish variety for home, market or shipping purposes. It is early, strong grower, and a heavy yielder. The fruit is smooth, perfect shape, and excellent quality, growing in clusters of 4 to 6. The outstanding features are tough skin, few seeds, slow to crack, and seldom rots after a rain. This variety is ready for table use in 105 days from seed. Pkt., 10c; oz., 35c; ¼ lb., \$1.10; ½ lb., \$2.00; lb., \$3.50.

ALBINO OR WHITE BEAUTY (NEW)

We are now able to offer a white tomato of good quality. Albino is practically free from acid which is welcomed by hundreds of people who heretofore have had to avoid tomatoes on account of the acidity. This variety is Ivory white in color with the flesh a pure white. Its size is about the same as Stone. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.25.



BONNY BEST

(See inside front cover.)

A large second early red tomato known for its solidity, smoothness and even ripening. The fruits run very uniform in size, borne in clusters of 4 to 8, bright scarlet in color. An extra fine market variety ready for use in 100 days from seed. Pkt., 10c; oz., 30c; ¼ lb., 85c; ½ lb., \$1.50; lb., \$2.75.

PERFECTION

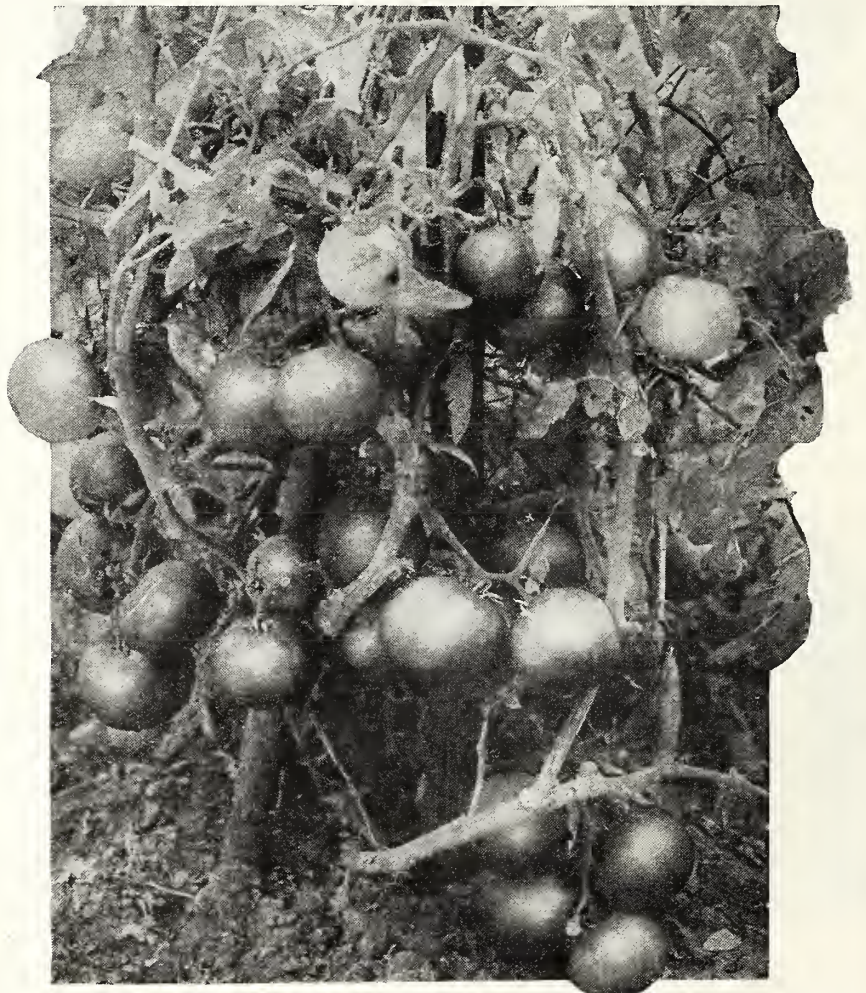
An ideal tomato. It is smooth, large, solid and of excellent quality. Its beautiful dark red color makes it very attractive on the market. It ripens well up to the stem without cracking. Skin is tough. Ready in 110 days from time of planting seed. Pkt., 10c; oz., 30c; ¼ lb., 85c; ½ lb., \$1.50; lb., \$2.75.

BUCKEYE STATE TOMATO

A very large variety that is solid, heavy and firm. Deep red in color. One of the finest quality for market and home garden. Its beautiful shape commands the highest price wherever offered. Pkt., 10c; oz., 35c; ¼ lb., \$1.10; ½ lb., \$2.10; lb., \$3.90.

CULTURE

To secure plants for early planting we advise planting the seed indoors about the middle of February. When about 3 inches tall transplant into larger boxes where they will stand 4 inches apart. When the ground is warm about the 10th to 15th of May transplant into the open ground about 3 feet apart, using well rotted stable manure as a fertilizer. Use "SLUG SHOT" or "KALITE" to protect the plants from the tomato worm.



DWARF CHAMPION OR BUSH TOMATO

In this variety you have a compact, upright, early, smooth sort. The fruits are in clusters of 4 to 5 of medium size, smooth, symmetrical, purplish pink in color, with flesh very solid. The vine is strong and stiff, therefore requiring very little support. Pkt., 10c; oz., 40c; ¼ lb., \$1.10; ½ lb., \$2.10; lb., \$3.90.



SPARK'S EARLIANA

A very popular extra early red variety, producing fruits of good size, forming in clusters of 6 to 10, smooth and solid. The bush is compact in growth with stout branches. Fruit ready for market in 90 days. Pkt., 10c; oz., 30c; 1/4 lb., 75c; 1/2 lb., \$1.45; lb., \$2.80.

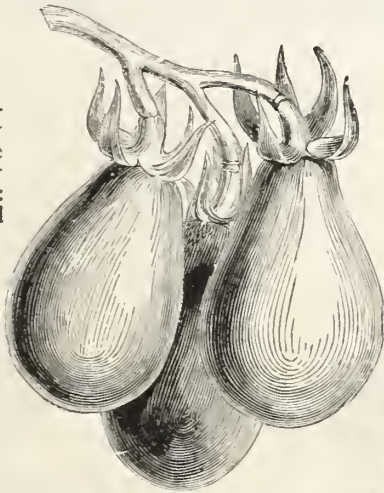


FAVORITE

An early smooth, firm tomato, deep red in color. This variety ships well, is splendid for canning, market and family use. Its beautiful dark red color makes it one that is readily sought out in the markets, therefore making it a profitable variety. Pkt., 10c; oz., 35c; 1/4 lb., 80c; 1/2 lb., \$1.50; lb., \$2.80.

PEAR SHAPED TOMATO

This variety is wonderfully productive and very ornamental. Very nice when served in salads or as preserves. Yellow Pear: Pkt., 10c; oz., 40c. Red Pear: Pkt., 10c; oz., 40c.



PEACH

Largely used in fancy salads and for preserving. It is very distinct, beautiful in appearance, uniform in size, deep rose in color. Pkt., 10c; oz., 40c; 1/4 lb., \$1.25.

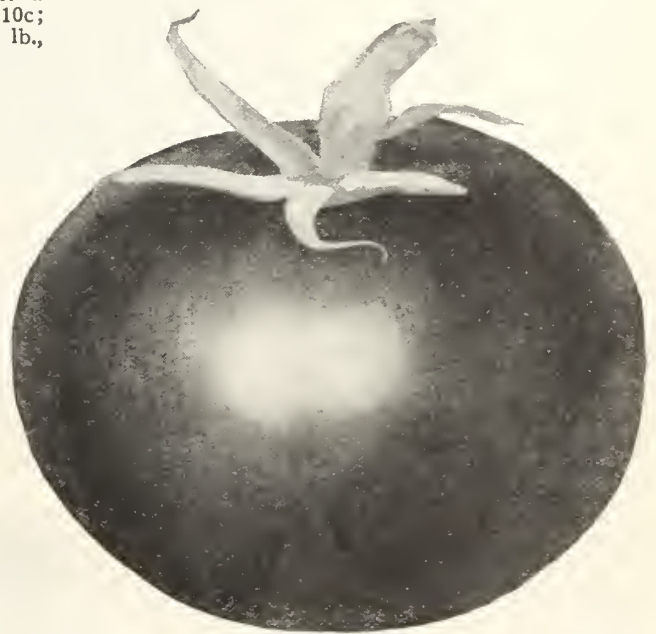
Germaco

Hotkaps

New Method of Plant Protection

Should be used to protect early planted tomatoes from frost.

See Page 12



ACME TOMATO

Beautiful deep rose, smooth, solid. Fine for market and family use. Early, prolific. Every one absolutely perfect. Five seed cells, fruit in clusters of 5 to 7. Pkt., 10c; oz., 35c; 1/4 lb., 80c; 1/2 lb., \$1.50; lb., \$2.80.

HUSK TOMATO OR GROUND CHERRY

A valuable berry which is contained in a husk and is excellent for preserves and pies. When dried in sugar they make an excellent sweet fruit to put in cakes equal to figs, citron, raisins, etc. It is sometimes called Strawberry Tomato, Winter Cherry, Ground Cherry. They grow about a foot high and are covered with husks containing the little fruit. Golden Husk: Pkt., 8c; oz., 25c. Purple Husk: Pkt., 8c; oz., 25c.



GOLDEN QUEEN

A variety bearing fruit of good size, smooth, solid, and meaty. Color is bright yellow, which makes it very attractive when served with the red fruited varieties. Without doubt the best yellow tomato grown. Pkt., 10c; oz., 40c; 1/4 lb., \$1.00; 1/2 lb., \$1.80; 1 lb., \$3.50.

SHEPS PLANT SPRAY



This NON-POISONOUS spray gives positive protection against both sucking and chewing insect pests, including Aphids, Thrips, Green Flies, White Flies, Mealy Bugs, Worms, Caterpillars and others. Harmless to humans, birds, animals and pets. Will not injure the most delicate plants. Benefits soil and foliage. Absolutely the easiest spray to mix—no soap solution, perfect emulsion—20 seconds from bottle to plant.

PRICES POSTPAID

2-oz. Bottle (makes 4 gals Spray Sol.)	...	\$.35
8-oz. Bottle	" 16 "	..75
Pint Bottle	" 32 "	1.25
Quart Can	" 64 "	2.00
Gallon Can	" 256 "	6.35
5-Gal. Can	" 1280 "	30.00

Bulk Prices Quoted On Request

NEW WAY TO KILL GARDEN BUGS

PROTECT your flowers and vegetables this new way. Surprisingly easy! Simply sprinkle with a new kind of powder called PLANTGARD. Not only are bugs, worms, and insects killed, but this almost magical powder also fertilizes the ground. No wonder flowers grow larger and brighter colored! Vegetables mature quicker and are more tasty! Just by using Plantgard, the only sure, guaranteed absolutely NON-POISONOUS insecticide. Yet it costs only a few cents to protect an entire garden bed. You get a big box of Plantgard for 35c—larger size 60c. Also offered in bulk at very attractive prices.



Plantgard
FOR GARDEN PROTECTION
Made only by National Products, Inc., Quincy, Ill.

Kingsbury Garden Kit



This set of 4 tools is made of the finest steel, very sturdy and guaranteed against breakage in any garden work. Set complete as shown \$1.50 postage paid, or if you desire any one of the 4, sold at 40c each. Reading from left to right, Fork, Transplanting Trowel, Garden Trowel, and Cultivator.



Destroys bugs, beetles, green or black flies, caterpillars, lice, worms, etc. Prepaid, 1 lb., 30c; 5 lb. bag, \$1.00; 10 lbs., \$1.90. Not prepaid, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.35; 1 lb. cartons have sifter top.

Turnip



WHITE EGG

Good size, used for early or late sowing. Thin skin, fine grained and sweet, solid beautiful shaped. An excellent keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 70c; 5 lbs., \$3.00, postpaid.

EARLY SNOWBALL OR SIX WEEKS TURNIP

On account of its extreme earliness it is of great value and much admired for bunching for the early markets. Good size, very smooth, tender, sweet, and crisp. This is one of the best keepers of the early varieties. Quality is unsurpassed. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 70c; 5 lbs., \$3.00, postpaid.

JERSEY LILY TURNIP

A beautiful clear white early sweet turnip. Very desirable for early summer use. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 70c; 5 lbs., \$3.00, postpaid.



SEVEN TOP

This is not a bulbous variety but it grows a mass of luxuriant tops which are excellent to use for greens or feeding stock; not damaged by frost. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.10, postpaid.



PURPLE TOP WHITE GLOBE

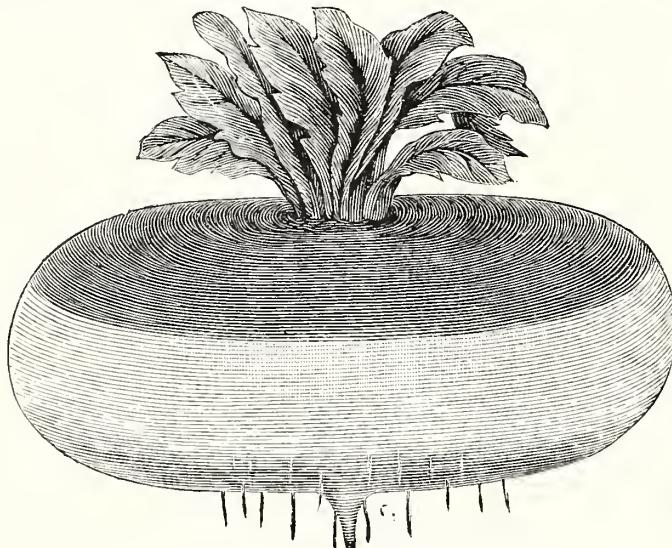
This splendid variety is the finest keeper of the fall turnips. Attractive shape and color makes it very pleasing in appearance but the quality of flesh makes it one of the most desirable of all varieties. A great yielder producing great tonnage on a small tract. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.

GOLDEN GLOBE OR ORANGE JELLY TURNIP

An early bright yellow variety of medium size, deliciously sweet and a good keeper. An excellent variety for the market gardener as well as the home garden. A remarkable turnip for table use. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.

YELLOW ABERDEEN

A large purple top golden yellow variety. Globe shaped, very productive and a good keeper. Excellent for table use or stock. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.



LARGE WHITE FLAT FIELD

A large turnip that will supply an abundance of food for stock. Every farmer should raise a good supply of root crops for winter feeding. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.

LARGE WHITE NORFOLK

One of the best varieties for field culture. It always makes a big return for the area given it. Two to three lbs., sown to the acre broadcast will produce about all the root storage one would desire for the winter. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.

EARLY LARGE FLAT DUTCH

An excellent general crop variety. Good for table and feeding stock. Good keepers if not allowed to become too large. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.

LONG WHITE COWHORN

A stock variety that grows practically half out of the ground. Grows very rapidly and the flesh is fine grained of good quality. This sort is a good renovator for the soil as its roots deeply. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.

WHITE SWEET RUSSIAN

An admirable variety for table use and feeding stock. An immense crop can be grown at a very little expense. A very profitable crop for the farmer. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.

LAING'S IMPROVED

This is a round shape, early English variety. An excellent table as well as stock sort. The flesh is yellow with a purple skin. A very good keeper. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.

SKIRVING'S PURPLE TOP

A well known hardy yellow variety. Good for table or feeding stock. One of the very largest varieties and a profitable cropper and easily grown. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.

All varieties Rutabaga, 5 lbs., \$2.50, postpaid.



EXTRA EARLY MILAN

This is the earliest variety of turnip. The skin is smooth, pure white polished appearance. Flesh is very fine grained and of excellent quality. Medium size, with few tops, making it a very desirable variety for the gardener. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

EARLY MUNICH PURPLE TOP

A very productive large extra early variety. Good variety for bunching. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.

PURPLE TOP STRAP LEAF

The well known standard table variety. Broad shape, medium size, fine grained white flesh. A good keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 35c; lb., 65c; 5 lbs., \$2.50, postpaid.

NOTICE: If you are in the market for large quantities of turnip seed, 10 lbs. or over, write for special quotation.



VINE PEACH

A short time after these are ripe they become mellow and fit for use in making pickles, pies, preserves or to fry in butter before ripe. It is very desirable in localities where fruit is scarce or high in price. Pkt., 10c; oz., 30c.



CURLED CRESS OR PEPPER GRASS

A desirable vegetable with a pungent flavor, to be mixed with lettuce or other vegetables for salads. Grows quickly and is ready for use with other vegetables. Pkt., 5c; oz., 10c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10.

Rutabagas

IMPERIAL HARDY

Large rich yellow productive variety. Equal to others and very hardy. A moderate freezing seems to sweeten them. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.

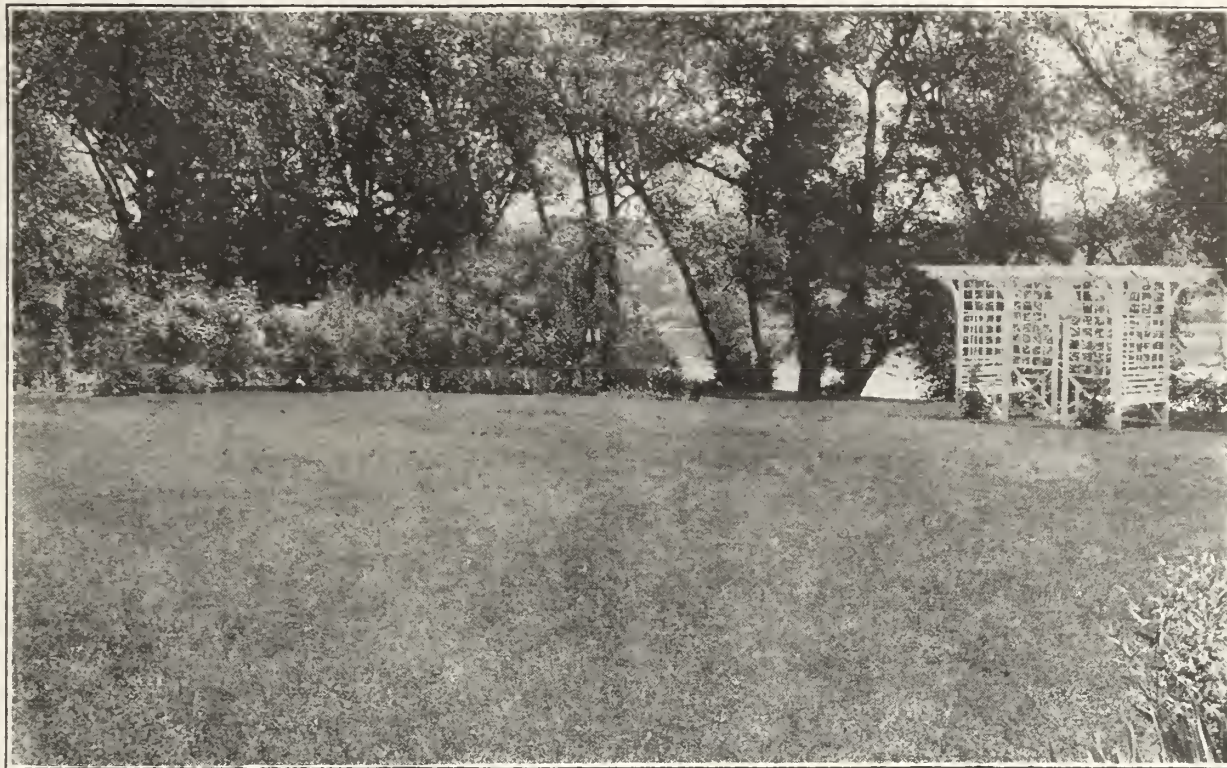
MONARCH SWEDE OR ELEPHANT

This is one of the finest of the Rutabagas. It grows considerably out of the ground, with a small neck and few leaves. The flesh is a rich yellow, solid. An excellent keeper, cannot be surpassed for table or stock use. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 65c.

Shumway's Lawn Grass Seeds

Seeding of Lawns

In preparing ground for a new lawn all that is necessary is to see that it is well spaded, making it as fine and mellow as possible. If it consists of earth from the excavation for the house, or is hard and lumpy, it should first receive a good dressing of manure, which should be spaded in and mixed with the soil, making it fine and smooth. Before sowing the seed, the surface of the soil should be freshly raked, then sow the seed as evenly as possible and rake it in, following with a roller.



The following quantities of the mixture we offer are the usual amounts sown for a new lawn: 1 lb. for 300 sq. ft.; 5 lbs. for 1500 sq. ft.; 10 lbs. for 3000 sq. ft.; 25 lbs. for one-fourth acre. If intended for renewing an old lawn use one-half the quantity.

Kentucky Blue Grass

Kentucky Blue Grass
(*Poa pratensis*.)
Also called June Grass. This is known as one of the best grasses for the making of fine lawns, also desirable for pastures and meadows. Seed at the rate of 1 lb. to 300 square ft. Fancy re-cleaned seed sun dried. 1 lb., 65c; 2

lbs., \$1.25; 5 lbs., \$2.85, postpaid. Not prepaid, 5 lbs., \$2.50; 10 lbs., \$4.85; 25 lbs., \$12.00; 100 lbs., \$45.00.

Red Top

(*Agrostis alba*.) This is one of our better native grasses. Well adapted to moist soils; a good variety for lawns as well as pastures. Seed at the rate of 1 lb. to 300 square feet. Solid seed. 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$2.10, postpaid. Not prepaid, 5 lbs., \$1.75; 10 lbs., \$3.40; 25 lbs., \$8.25; 50 lbs., \$16.00; 100 lbs., \$30.00.

Rye Grass, English or Perennial

(*Lolium perenne*.) A grass with an abundance of foliage. Fine for pastures, thrives well on most any soil. Especially adapted for winter lawns in the South, also a good grass for lawns in the North where a quick show of green is desired. 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.25, postpaid. Not prepaid, 5 lbs., 85c; 10 lbs., \$1.60; 25 lbs., \$3.50; 100 lbs., \$13.00.

Chewing's Fescue

(New Zealand grown.) This is a perennial grass with creeping roots that makes an exceptionally fine turf. This grass is in great demand for Putting Greens, however it should be sown alone. Thrives well in sandy soils and in shade. Sow either in the spring or fall. 5 lbs. to 1,000 square feet. 1 lb., 65c; 2 lbs., \$1.25; 5 lbs., \$3.00, postpaid. Not prepaid, 5 lbs., \$2.75; 10 lbs., \$5.35; 25 lbs., \$13.00; 100 lbs., \$50.00.

Rough Stalked Meadow Grass

(*Poa Trivialis*.) An ideal shade grass in the Northern half of the United States, providing there is sufficient moisture. Perennial in nature, closely related to Kentucky Blue Grass, but somewhat finer and softer. Sow in spring or fall at the rate of 1 lb. to 300 square feet. 1 lb., 70c; 2 lbs., \$1.35; 5 lbs., \$3.35, postpaid. Not prepaid, 5 lbs., \$3.10; 10 lbs., \$6.00; 25 lbs., \$14.00; 100 lbs., \$56.00.

Wood Meadow Grass

(*Poa nemoralis*.) Also used in the Northern half of the United States as a shade grass, however it prefers a rather dry soil and should not be used in wet places. Sow in the spring or fall at the rate of 1 lb. to 300 square feet. 1 lb., 90c; 2 lbs., \$1.75; 5 lbs., \$4.20, postpaid. Not prepaid, 5 lbs., \$3.90; 10 lbs., \$7.85; 25 lbs., \$19.25; 100 lbs., \$75.00.

Creeping Bent or European Mixed Bent

A mixture of Creeping Bent, Velvet Bent and Rhode Island Bent. This is used extensively for Putting Greens and Golf Courses. Bent grasses prefer an acid soil, therefore if fed with acid reacting fertilizers such as Ammonium Sulphate, about every three weeks, it tends toward the discouragement of weeds. For lawns it is better to use the seed than the Creeping Bent Stolons, because the lawn will not grow so rapidly and the average home owner can keep up with the mowing. Seed at the rate of 3 to 4 lbs. per 1,000 square feet. 1 lb., \$1.35; 2 lbs., \$2.60; 5 lbs., \$6.25; 10 lbs., \$11.75, postpaid.

WHITE DUTCH CLOVER

The clover in general use for lawns. Being of a creeping habit it prevents the soil from being washed away by rains. Also used in permanent pastures. Price, per lb., postage paid, 65c; by freight or express, charges collect, 1 lb., 55c; 5 lbs., \$2.60; 10 lbs., \$5.00; 25 lbs., \$12.25.

SHUMWAY'S REFINED LAWN MIXTURE

This is by far the best mixture of grasses for a fine textured lawn; it is made up of the choicest and hardiest varieties that will winter well and thrive under varying climatic conditions. It has been re-cleaned, compounded and blended as perfectly as modern machinery can do it. All of our grasses are analyzed by the laboratories and the degree of purity shows practically the elimination of chaff and foreign seeds.

If we could compound a better lawn mixture we would do so, but through tests we fail to find its superior. We welcome criticism. On purchase of this seed, if you doubt its adaptability, you may send sample to any laboratory for test, and if not as represented, you may return same and your money will be refunded. Per lb., 60c; 3 lbs., \$1.75; 5 lbs., \$2.70, postpaid. Not prepaid, 5 lbs., \$2.35; 10 lbs., \$4.60; 25 lbs., \$11.00; 100 lbs., \$40.00.

SHUMWAY'S ROLLING GREEN MIXTURE

A compounded mixture of quick growing grasses with White Clover that will make a quick show of green over the lawn. This mixture, however, is not one that will give the very fine texture of Shumway's Refined, but it will make a very creditable lawn and stand heavy usage when established. Per lb., 45c; 3 lbs., \$1.30; 5 lbs., \$2.00, postpaid. Not prepaid 5 lbs., \$1.85; 10 lbs., \$3.65; 25 lbs., \$8.50; 100 lbs., \$32.50.

SHUMWAY'S FOREST CITY MIXTURE

This mixture of grasses adapted to growth in the shade is carefully and particularly compounded to make a beautiful lawn under trees. It is impractical to think that a good lawn can be made in shady places by using any regular lawn grass. It may start out well in the spring before the foliage becomes dense; however, it will die out very rapidly after the full growth of foliage is on.

Use this mixture for shade in the same proportion that you use the regular lawn grass and before the season is over you will be well repaid for the extra effort and time it has taken to give this special attention.

Prices: Parcel post charges paid, 1 lb., 75c; 2 lbs., \$1.40; 3 lbs., \$2.00; by express, charges collect, 1 lb., 65c; 3 lbs., \$1.85; 5 lbs., \$3.00; 10 lbs., \$5.85.

WISS SHEARS

The Wiss Line of Shears for Gardening Is the Very Finest Manufactured



WISS GRASS SHEARS

The improved offset handles are an exclusive Wiss feature, designed for still greater comfort in operation. The thumb and finger rests are enlarged; the handles offset, and at an angle, avoiding cramping of wrists and chafing of fingers. Full length 12 1/2 in. Length of Cut 5 1/2 in. Price each, \$1.60, postage paid.



WISS PRUNING SHEARS

Light Pruner. With volute steel spring. Full length 9 in. Price each, \$1.35, postage paid.



THE CYCLONE SEEDER

The Cyclone Seed Sower is the most widely known and used of all broadcast seeders. For more than 40 years it has been on the market; long ago it won recognition for the best machine for the purpose.

The bag of the seed container is made of heavy canvas and has a capacity of one-half bushel.

The feed control is quickly, easily, and accurately adjusted for different kinds of seed or to regulate the amount to be sown. The flow can be started or stopped instantly with the pressure of the finger.

By Express, charges collect, \$2.00
By Mail or Express, prepaid, 2.35

Farm Seeds of High Germination and Purity



Alfalfa and Clovers

Our stocks of clover and grasses are of the finest purity modern machinery can make them; all state tested. On receipt of your seed you may subject it to your state laboratories for analysis and if you are not entirely satisfied with its quality, you may return same at our expense and your money will be refunded. All Quotations F. O. B. Rockford. No Charge for Grain Bags.

WARNING

Many of our farmers fail to realize the full value of high purity clover and grass seeds. To bring the point home more closely let's take two stocks of clover seed for example: one 99.75% pure, the other 96.25% pure. "One might say there isn't much difference," but let's figure it out by subtracting the percentages. We find a difference of 3½%. Then take 3½% of 60 lbs. and we have 2.1 lbs. There is the difference. To the farmer buying the 96.25% pure at a lower price, he is buying 2.1 lbs. of chaff, sand and weeds, at clover or grass prices, which certainly he doesn't want to put into his soil. Figure it out in this manner and then make your purchases. Everyone has enough weeds without buying them.

ALFALFA CULTURE

This wonderful clover is now grown in practically every state of the Union, producing 3 to 7 tons of hay to the acre. Three cuttings a year is customary in the North Central States.

The soil must be sweet to secure a good stand, if an acid or sour soil exists use pulverized limestone which is spread at the rate of 1 to 3 tons per acre, dependent entirely upon the degree of acidity. This to be done prior to plowing or discing. Spring sowing in the North is advisable so the young plants will have sufficient strength to withstand a drought.

The quantity sown per acre is entirely dependent on moisture conditions. Where the farmer is dependent on rainfall 15 to 20 lbs. is sown per acre. In irrigated sections 5 to 10 lbs. It is well to sow heavily, so as to procure a growth sufficient to keep the weeds down.

Common Alfalfa

NORTHWESTERN GROWN,
Purity 99.35% or Better

This grade is grown in the extreme northwestern part of the country where the winters are severe, making a very hardy strain which will readily stand conditions in any other part of the country. 99% pure or better. ¼ bu., \$2.25; ½ bu., \$4.35; ¾ bu., \$8.50; 1 bu., \$16.75; 5 bu. or more, \$16.50 per bu.

MONTANA DRYLAND, 99.50%

The stock of this Alfalfa is sealed by Montana authorities. We offer this stock in bushel bags only, at \$17.50 per bu.; 5 bu. or more, \$17.25 per bu.

GRIMM ALFALFA, 99.50%

Certified Blackfoot (Blue Tag). This alfalfa is unusually hardy, adapted to northern states and high altitudes. The crowns are more branched than those of the common varieties and there is a higher percentage of branch roots in the Grimm than in the other types, making it less liable to winter kill. The stock we offer is sealed by the Blackfoot Alfalfa Growers Association. Offered only in the following size bags; ½ bu., \$12.25; per bu., \$24.00; 5 bu. or more, \$23.75 per bu.

MONTANA GRIMM, 99.50%

This stock is grown in Montana under the most severe climatic conditions. Considered a very hardy strain of this type. Sealed by authorities of this state and only sold in sealed one bushel bags. 1 bu. \$22.50; 5 bu. or more at \$22.00 per bu.

ALSIKE CLOVER, 99%

The hardiest variety known. Especially adapted to the Northern states. It is a perennial and does not easily winter kill. Suitable for hay or pasture, thriving exceptionally well on moist soil. Sown with Timothy or Medium Red Clover produces an excellent quality of hay. 8 to 10 lbs., is the usual quantity used on an acre. ¼ bu., \$2.20; ½ bu., \$4.25; ¾ bu., \$8.25; 1 bu., \$16.25; 5 bu. or more, at \$16.00 per bu.

MEDIUM RED CLOVER, 99.50%

This variety considered one of most value in the Clover family, often called June Clover. It makes two crops each year, the first is cut for

hay and the last may be harvested for seed, cut for hay, or plowed under as a green manure. Seed can be sown at the rate of 10 to 15 lbs. to the acre spring or fall. Sold on a basis of 60 lbs. to the bushel. ¼ bu., \$2.25; ½ bu., \$4.35; ¾ bu., \$8.50; 1 bu., \$16.75; 5 bu. or more at \$16.50 per bu.

SWEET CLOVER, 99.50%

White Blossom (Biennial). This variety has the widest adaptation and produces the largest yields of pasturage per acre. The first year it grows 1½ to 3 feet high developing a large root. The second year it blossoms and goes to seed. This is a remarkable legume for building up soil as it has the same bacteria on its roots as alfalfa. Sow 15 to 20 lbs. to the acre. We offer hulled seed only and scarified which will hasten germination. 60 lbs. to the bushel. ¼ bu., \$1.10; ½ bu., \$2.00; ¾ bu., \$3.75; 1 bu., \$7.25; 5 bu. or more at \$7.00 per bu.

Yellow Blossom. (Biennial) This type is more dwarf in growth and finer stemmed than the White Blossom. This also makes a good pasturage but will cure up better for hay than the White Blossom. ¼ bu., \$1.15; ½ bu., \$2.10; ¾ bu., \$3.85; 1 bu., \$7.50; 5 bu. or more at \$7.25 per bu.

Grasses

TIMOTHY, 99.60%

It is the best known and mostly used grass in this country for hay, having few leaves and many stems, making it very desirable for shipping. Timothy does best on moist clay soil. It should be cut for hay while it is in bloom or shortly afterward. It yields 1½ to 3 tons per acre. Sow 10 to 15 lbs. to the acre. When sown with Alsike or Medium Red Clover, it makes the most desirable hay. ¼ bu., 75c; ½ bu., \$1.45; ¾ bu., \$2.75; 1 bu., \$5.35; 5 bu., or more, at \$5.15 per bu.

TIMOTHY-ALSIKE MIXTURE

Containing 15-20% of Alsike. The best pasture and hay mixture. This is one of cheapest seedings. On low moist land this will give satisfaction. Fine for high ground either for pasturing or hay crop. Sow 10 to 15 lbs. to the acre. 5 lbs., 80c; 10 lbs., \$1.45; 25 lbs., \$3.35; 50 lbs., \$6.50; 100 lbs., \$12.85.

ORCHARD GRASS

Good for pasture or hay. Will readily restate itself after being closely cropped. Does well in shady places such as orchards and in woodlands. Sow 20 to 25 lbs. per acre. 5 lbs., \$1.15; 10 lbs., \$2.25; 25 lbs., \$5.50; 50 lbs., \$10.50; 100 lbs., \$20.75. By mail, postpaid, add 7c per lb.

PERMANENT PASTURE MIXTURE

Properly mixed grasses and clovers for pasture. Sow 20 to 25 lbs. to the acre. 10 lbs., \$3.40; 25 lbs., \$7.75; 50 lbs., \$15.25; 100 lbs., \$30.00.

Soja or Soy Beans

Soy Beans should be used annually on every farm. They are well adapted to the Central and Southern states, serving as a soil builder as well as an excellent forage crop for all stock. They contain as much protein as linseed meal and nearly as much as cotton seed meal.

Checked in with corn they supply an excellent pasture for hogging down or to turn under as a green manure after corn is taken off.

Sown alone they act as a soil builder and supply a fine forage crop.

Seed should be inoculated with Nitragin before planting. Seed after ground is warm at the rate of two to three pecks to the acre drilled in or bushel to bushel and a half broadcast. If checked in with corn use soy bean attachment on corn planter and seed at rate of one bushel to ten acres.

Illini. Matures in 105 days. The stock we offer is grown from certified seed stock. This bean is very much in favor at the mills, excellent for forage and early soiling. Particularly desirable in the northern part of the corn belt.

Ito San. Matures in 105 days for grain and forage.

Manchu. 115 days, for grain and forage.

Black Eye-Brow. 110 days, for grain and forage.

Hollybrook. 115 days, for green manure and hay.

Medium Yellow. 120 days, for soiling purposes and hay.

Prices on all varieties: ¼ bu., 45c; ½ bu., 85c; ¾ bu., \$1.60; 1 bu., \$3.00; 5 bu. or more at \$2.85 per bu.

SUDAN GRASS (Northern Grown)

This grass has more real worth than any other grass known, as far as feeding value is concerned. It is erect in growth, often growing eight feet high. This grass is equal to millet in feeding value, much heavier yielder and not so hard on the soil. Two cuttings is the usual thing in the north and three in the south. Very fine for a catch crop if only one cutting is desired. Sown in rows 14 to 18 inches apart, 10 to 15 lbs. per acre, if broadcast 25 lbs. to acre. Beware of Johnson grass which is often found in this seed, if stock comes from the south. 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.35; 50 lbs., \$4.50; 100 lbs., \$8.50. By mail postpaid, 1 lb., 25c.

GERMAN OR GOLDEN MILLET

This is the greatest used and most popular variety. A big milk producer and a heavy yielder of good hay. Sow not less than 1 bu. of seed to the acre. ½ bu., \$1.35; 1 bu., \$2.60; 5 bu. or more at \$2.50 per bu.

JAPANESE BUCKWHEAT

The largest standard variety. Fine for milling. By mail postpaid, 1 lb., 25c. Express charges collect, ¼ bu., 70c; ½ bu., \$1.30; 1 bu., \$2.50.

MIXED SORGHUM OR SUGAR CANE

Used for fodder only. Sow broadcast for forage, 50 to 75 lbs. to the acre. ¼ bu., 35c; ½ bu., 65c; 1 bu., \$1.20; 5 bu., \$2.25.

KAFFIR CORN

A valuable non-saccharine Sorghum, which produces wonderfully of fodder. Grain is excellent chick feed. By mail postpaid, 1 lb., 25c. Not prepaid, ¼ bu., 45c; ½ bu., 80c; 1 bu., \$1.45; 5 bu., \$2.75.

MILK MAIZE

Excellent forage plant. The grain is good to feed chickens and stock. By mail prepaid, 1 lb., 25c. Not prepaid, ¼ bu., 45c; ½ bu., 80c; 1 bu., \$1.45; 5 bu., \$2.75.

Inoculate

ALL LEGUMES
Alfalfa, All Clovers, Soy Beans, Cow Peas, Peas, Beans, Vetch, Peanuts with

NOBBE-HILTNER PROCESS
NITRAGIN
TRADE MARK REGD. DEC. 5, 1898 NO 32212

THE ORIGINAL LEGUME INOCULATOR
Guaranteed Fresh Each Year Leads in High Germ Count

For profitable results, Agricultural Colleges advise inoculation for all legume seed, because it pays well in producing larger quality yields. Fresh, high count NITRAGIN, containing billions of efficient nitrogen-gathering germs, builds up the soil. All Legume Germs are PERISHABLE. To Protect You, NITRAGIN Cans are Stamped With Expiration Date. Insist on NITRAGIN.



Mixing Nitragin with Seed

Legume germs die rapidly when dried. NITRAGIN, containing

between 30% — 40% moisture, will readily stick to the seed without adding water, and give inoculation. However, for best results, the preferred practice, recommended by The Nitragin Company and Agricultural Authorities is to use water when mixing legume culture with seed.

NITRAGIN PRICES

Alfalfa, All Clovers		Peas, Vetch, Beans, Austrian Winter Peas	
Size	Retail	Size	Retail
¼ bu.	.....\$ .40	¼ bu.	.....\$ .40
½ bu.	......60	½ bu.	......60
1 bu.	.....1.00	1 bu.	......90
5 bu.	.....4.75	3½ bu.	.....1.80
		5 bu.	.....2.50

When ordering, always specify kind of seed

Soy Beans and Cow Peas

1 bu.	.....\$ .40	5 bu.	.....\$1.50
2 bu.	......70	10 bu.	.....2.50

Garden Nitragin — Garden Size —

Peas, Beans, Sweet Peas
Inoculates from 1 ounce to 8 lbs. seed. Price \$2.25
IMPORTANT: When ordering NITRAGIN, always be sure to state kind of legume seed you wish to inoculate.
Nitragin Has Served the American Farmer Since 1898

Sugar Cane

NOTICE

There is a great difference in prices asked for cane seed. This is due to the quality and its adaptability for sugar purposes. If cane is to be used for syrup, the field should be looked over and all foreign plants pulled out before blossoms are set. Our cane seed is as good as we can buy, but nevertheless, we cannot assume any responsibility for the condition of the crop.

EARLY AMBER SUGAR CANE

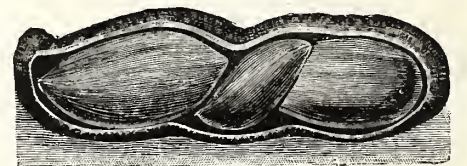
Is not always pure if planted too near Broom or Kaffir Corn. It grains readily for sugar. Valuable to cut up green for stock. By mail postpaid, ½ lb., 12c; 1 lb., 20c. Express charges collect, ¼ bu., 40c; ½ bu., \$1.35; 1 bu., \$2.50.

KANSAS ORANGE SUGAR CANE

Not as early as Amber, but it produces more syrup of light color. By mail postpaid, ½ lb., 12c; 1 lb., 20c. Express charges collect, ¼ bu., 40c; ½ bu., 70c; 1 bu., \$1.35; 5 bu., \$2.50.



Peanuts



VIRGINIA

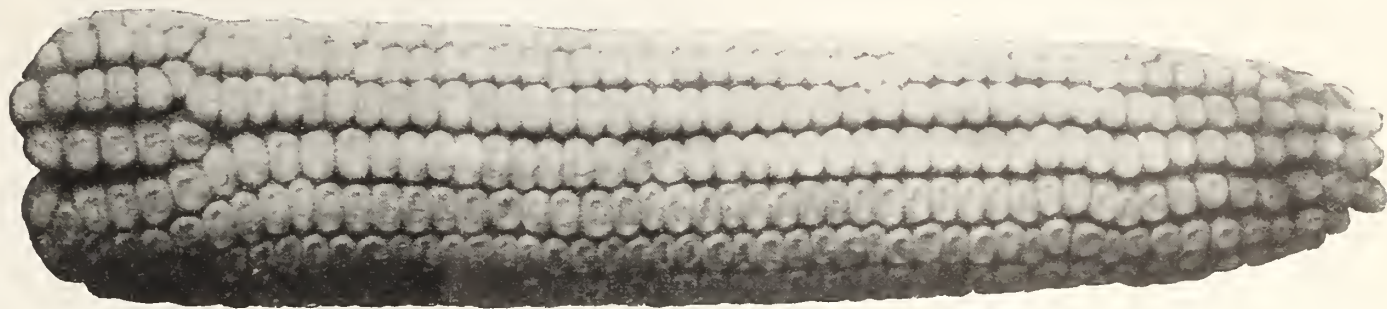
A large medium early variety. This variety is used for roasting more than others, also good for stock. Vines make good roughage. By mail, postpaid, 1 lb., 30c. Not prepaid, 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.75; 50 lbs., \$5.25; 100 lbs., \$10.00.

SPANISH

An early variety, pods small, but solid and well filled, nuts are very sweet. This is the best variety to grow for fattening hogs. By mail, postpaid, 1 lb., 30c. Not prepaid, 5 lbs., 80c; 10 lbs., \$1.35; 25 lbs., \$3.00; 50 lbs., \$5.75; 100 lbs., \$11.00.

Shumway's Selected Field Corn

from
Hand Selected
Ears, Tipped and
Butted, Graded
and Tested



You will notice that all the varieties of Field Corn listed are well known standard varieties. We make no pretense of offering any unusual varieties, but we do claim the quality of the corn we offer is conscientiously selected, true to name, and thoroughly graded so there will be a uniformity of kernels which will not clog a corn planter. We make several tests of all varieties of corn and feel absolutely assured that the type of corn we ship is as good as it is humanly possible to sell.

REID'S YELLOW DENT

The leading standard yellow variety originated by James L. Reid of this State, fixing a type that corn growers have failed to better. It is a dark yellow with deep kernels; butt and tips almost cover the ear. Grains slightly dented on top. The leaves and stalks make excellent ensilage and fodder. Matures in 110 days. $\frac{1}{8}$ bu., 65c; $\frac{1}{4}$ bu., \$1.20; $\frac{1}{2}$ bu., \$2.30; bu., \$4.50. 2 bu. or more, \$4.25 per bu.

EARLY MURDOCK

Also known as Wisconsin No. 12 and Golden Glow. Particularly adapted for the Northern part of the corn belt as well as the Southern parts of Wisconsin and Minnesota. A good sized uniform type running 16 to 20 rows; deep kernels, golden-yellow in color. Matures in 90 to 95 days. $\frac{1}{8}$ bu., 65c; $\frac{1}{4}$ bu., \$1.20; $\frac{1}{2}$ bu., \$2.30; bu., \$4.50. 2 bu. or more at \$4.25 per bu.

REGENERATED RED HACKBERRY

Sometimes called Bloody Butcher. An early maturing field corn, 90 days. An exceptional yielder averaging 75 to 80 bu. to the acre; ears are 10 to 12 inches long, 16 to 18 rows, deep kernels, small cob. Very leafy stalk. A variety safe to plant and be assured a maturity as far North as Central Wisconsin and Dakota. $\frac{1}{8}$ bu., 65c; $\frac{1}{4}$ bu., \$1.20; $\frac{1}{2}$ bu., \$2.30; bu., \$4.50. 2 bu. or more, \$4.25 per bu.

PRIDE OF THE NORTH

This variety matures in 85 to 90 days, especially adapted for the Northern planter, maturing farther north than any dent variety. This has a medium sized

bright red cob, kernels are deep with dark golden-yellow color. Many stalks produce two good ears. $\frac{1}{8}$ bu., 65c; $\frac{1}{4}$ bu., \$1.20; $\frac{1}{2}$ bu., \$2.30; bu., \$4.50. 2 bu. or more at \$4.25 per bu.

IOWA SILVER MINE

The standard white variety. Remarkable drought resister and seems to stand adverse conditions and makes a crop where other varieties fail. Deep grained small white cob. Ears from 10 to 12 inches long, 16 to 20 rows of pure white kernels. This is a safe variety to use anywhere in the corn belt as well as farther South. Matures in 100 to 110 days. $\frac{1}{8}$ bu., 65c; $\frac{1}{4}$ bu., \$1.20; $\frac{1}{2}$ bu., \$2.30; bu., \$4.50. 2 bu. or more at \$4.25 per bu.

IOWA GOLD MINE

This is known as a medium early variety. An excellent producer and sure cropper. Bright golden-yellow in color, grain deep and cob small. Ears are medium and symmetrical. Another leafy variety which makes excellent silage or fodder. This corn will grow in nearly every state in the Union which cannot be said of other varieties. $\frac{1}{8}$ bu., 65c; $\frac{1}{4}$ bu., \$1.20; $\frac{1}{2}$ bu., \$2.30; bu., \$4.50. 2 bu. or more at \$4.25 per bu.

WISCONSIN NO. 7

Also known as Silver King. This is the earliest white dent corn, having generally twelve rows of deep kernels, well filled medium sized ears 8 to 9 inches long. Adapted particularly to the Northern states. Matures in 90 days. $\frac{1}{8}$ bu., 65c; $\frac{1}{4}$ bu., \$1.20; $\frac{1}{2}$ bu., \$2.30; bu., \$4.50. 2 bu. or more at \$4.25 per bu.

Considering these facts, our corn is delivered on this basis and if after examining and testing you are not entirely satisfied you may return at our expense and the amount paid for same will be refunded. All of our varieties were grown in Northern Illinois, near the Wisconsin line, or the extreme Northern part of the corn belt.

All varieties quoted F. O. B. Rockford. No charge for bags.

IMPROVED LEAMING

A well known standard variety being recommended for all parts of the corn belt. The stalks are of good height, broad leafy blades, making excellent silage or fodder corn. Ears are well filled, about 10 inches long, beautiful golden-yellow in color. $\frac{1}{8}$ bu., 65c; $\frac{1}{4}$ bu., \$1.20; $\frac{1}{2}$ bu., \$2.30; bu., \$4.50. 2 bu. or more at \$4.25 per bu.

Flint Varieties

LONGFELLOW EARLY YELLOW

Its ears are extremely long, smooth and glossy, and a great improvement on the old yellow Yankee corn, but not quite so early. Excellent for cutting up while green for stock, and an excellent, rich, milling sort. $\frac{1}{8}$ bu., 65c; $\frac{1}{4}$ bu., \$1.20; $\frac{1}{2}$ bu., \$2.30; bu., \$4.50. 2 bu. or more at \$4.25 per bu.

EXTRA EARLY YELLOW YANKEE

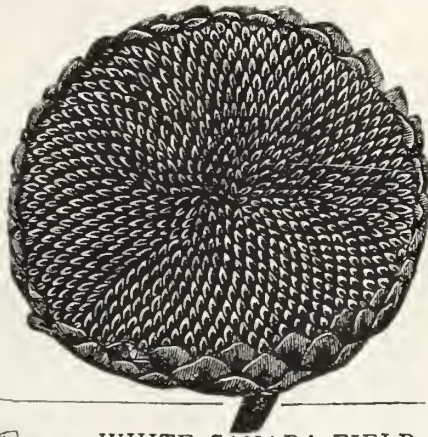
Planted largely by stockmen for early feeding to stock. Long eared, with smooth, yellow, hard grain. Makes nice roasting ears while in green state. Fine milling sort. $\frac{1}{8}$ bu., 65c; $\frac{1}{4}$ bu., \$1.20; $\frac{1}{2}$ bu., \$2.30; bu., \$4.50. 2 bu. or more at \$4.25 per bu.

THOROUGHbred WHITE

Early; great long ears, pearl-white color; small stalks and broad leaves, producing a very great amount of fodder. Fine for milling. $\frac{1}{8}$ bu., 65c; $\frac{1}{4}$ bu., \$1.20; $\frac{1}{2}$ bu., \$2.30; bu., \$4.50. 2 bu. or more at \$4.25 per bu.

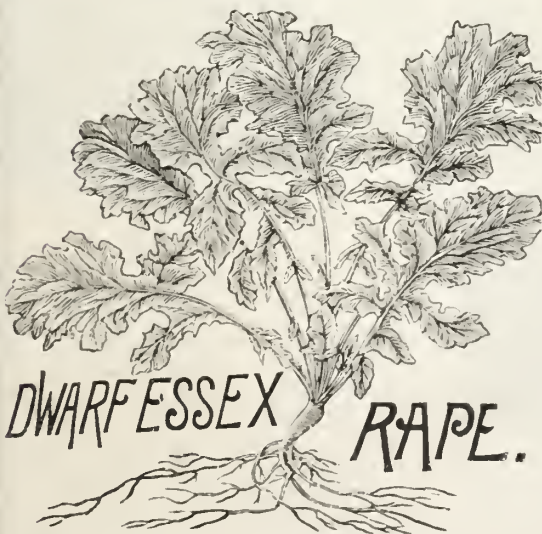
MAMMOTH RUSSIAN SUNFLOWER

Farmers should plant liberally of this as it produces an abundance of seeds, which are more valuable for feeding poultry than any other food. Can be grown anywhere, in places where other crops have made only a partial stand. The stalks are good kindling, and if burned with heads and seeds, make hot fires. They grow enormously large. $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c; 5 lbs., \$1.15, postage paid. By express, charges collect, 5 lbs., 65c; 10 lbs., \$1.20; 15 lbs., \$1.65; 25 lbs., \$2.75; 50 lbs., \$5.25; 100 lbs., \$10.00.



WHITE CANADA FIELD PEAS

This is one of our most important legumes and should be more generally used, from the standpoint of feed value as well as soil fertilization. They fit into crop rotation, restoring nitrogen to the soil. Bear in mind that Field Peas contain more protein than Alfalfa and Corn. Field Peas are usually sown with Oats, bringing about a two-fold yield from the same piece of ground. Drill the peas 4 inches deep into the soil as early as it is possible to get on the land, at the rate of $\frac{1}{2}$ bushels to the acre, following two or three weeks later with Oats at the rate of 2 bu. to the acre drilling them in in the opposite direction, or broadcast. Using this method the Oats and Peas will ripen together and are easily separated by a fanning mill after threshing. Canada Field Peas may be sown alone and turned under when green for soiling purposes. $\frac{1}{4}$ bu., 1.10; $\frac{1}{2}$ bu., \$2.00; bu., (60 lbs.), \$3.85; 5 bu. or more, \$3.75 per bu. Bags included.



A forage plant of great value, which can be sown at any time from March to August; at the rate of about 5 or 6 pounds per acre. Makes a grand pasturage for sheep, as well as for other stock. It can be cut up to feed stock or chickens if permitted to grow to its full size. Is not injured by frost, and will furnish feed until winter. Lb., 25c, postage paid. Express, charges collect, 10 lbs., \$1.15; 25 lbs., \$2.30; 50 lbs., \$4.50; 100 lbs., \$8.75.

Shumway's Selected Small Grain

All Seed Stocks of Grain Are Well Screened, Plump and Ready for Seeding.

WHITE KHERSON OATS

Recommended ahead of all other sorts by every one who has grown them here. It has a white and heavy plump grain, and is a great yielder. Does not rust and stools well. Bu., \$1.20; 2 bu., \$2.25; 5 bu., \$5.50; 10 bu., \$10.50.

HARDY GOLDEN PROLIFIC OATS

This is one of the best extra earliest sorts for the north. It is a good producer, and does not rust. It has firm straw and seldom lodges. Grows to good height in any soil. Has very heavy, nice grain and sufficiently hardy to stand northern climate. Bu., \$1.10; 2 bu., \$2.15; 5 bu., \$5.25; 10 bu., \$10.00.

NORTHERN WINNEBAGO OATS

A good, large prolific sort, strong grower and stands up remarkably well even under unfavorable conditions. A hardy variety and well adapted to any climate. A failure is unknown with this variety, and it is a standard sort throughout every northern state. Bu., \$1.10; 2 bu., \$2.15; 5 bu., \$5.25; 10 bu., \$10.00.

PERFECTED WHITE SWEDISH OATS

This has proven to be one of our surest croppers and greatest yielders ever grown in this country. The berry is white and very heavy. It is free from rust and does not lodge. Very hardy. Bu., \$1.30; 2 bu., \$2.50; 5 bu., \$6.00; 10 bu., \$11.75.

WHITE SILVER MINE OATS

Valuable sure cropping variety with strong straw and plump, heavy grain. Wonderfully productive and stands up well. It has proven to be a superior sort everywhere, and free from rust. Bu., \$1.25; 2 bu., \$2.40; 5 bu., \$5.45; 10 bu., \$10.65.

(OATS Quoted F. O. B. Rockford—No Charge for Bags)

WISCONSIN PEDIGREED BARLEY—(Bearded)

The barley recommended for the corn belt and for the northernmost parts of the United States. It is a selection from Oderbrucker and has been bred up in the State of Wisconsin which is the outstanding State in the Union for the production of Barley. The seed should be sown in the early spring at the rate of 6 pecks to the acre for a seed crop. Too much attention cannot be paid to the selection of this seed stock. The seed should be treated with Formaldehyde or Ceresan to prevent smut and barley stripe. $\frac{1}{2}$ bu., 70c; 1 bu., \$1.35; 2 bu., \$2.60; 5 bu., or more, \$1.20 per bu., bags included. (F. O. B. Rockford.)

MARQUIS SPRING WHEAT—(Wisconsin Grown Seed)

This variety is the leader of spring types. It excels any other variety for the corn belt, medium height, stiff stalk, resulting in a type that does not lodge easily. Moderate planting of 4 to 5 pecks per acre of spring wheat will bring about a harvest of plumper kernels. 1 bu., \$2.10; 2 bu., \$4.00; 5 bu. or more, \$1.90 per bu.; bags included. (F. O. B. Rockford.)

SPRING RYE

Particularly valuable as a catch crop; it is more productive and of finer quality than Winter Rye. The stalk stands 5 to 6 feet high, which is valuable as it produces about three times as much straw as oats. Will produce 30 to 40 bu. of grain to the acre. Seed should be sown at the rate of $1\frac{1}{2}$ to 2 bu. to the acre. 1 bu., \$2.15; 2 bu., \$4.20; 5 bu. or more, \$2.00 per bu. (F. O. B. Rockford.)

Shumway's Novelties of Outstanding Merit



SCABIOSA CAUCASICA

(Blue Bonnet) Isaac House New Giant Hybrids

This is a decidedly new strain of the perennial Scabiosa. The flowers are very large, ranging in color from azure-blue and lavender to deep blue and silvery white. The blooms are about 3 inches in diameter carried on a plant which grows from 18 to 24 inches tall. Pkt., 25c.



LINARIA

(Macedonia Speciosa)

This is a very fine perennial, easily grown from seed, and is undoubtedly the best yellow perennial that can be grown for general use. It is hardy and can be used where medium height is needed in the hardy borders. The flowers resemble large golden yellow snapdragons, borne on stems averaging three feet. The foliage is rather attractive and has a silvery medium-sized leaf which extends up the stems at the joint from where the flowers advance. Pkt., 25c.

If interested in tulips, hyacinths, narcissus, crocus, peonies, iris and lilies, request a fall catalogue, giving name and address on separate slip of paper. One will be mailed you during the month of August.



PENSTEMON, SENSATION

This beautiful flower grows about 2 feet tall; it is a perennial but can be easily grown as an annual. The seed when sown inside during February or March will bloom freely the first year. The large flower spikes produce beautiful Gloxinia-like flowers. Very brilliant various colored blooms. One of the most desirable flowers in the border and very attractive when planted in combination with the Maximum Snapdragon. Pkt., 15c.



CHAUBAUD'S GIANT IMPROVED CARNATION

This is a new acquisition in the line of Carnations; coming into bloom 6 months from seed and continuing to bloom throughout the summer. The plants are of robust, upright habit, forming 10 to 20 stalks, bearing huge flowers of fine form. The stems are stiff, blooms are as large as indoor grown Carnations and highly clove scented. This strain is not to be confused with the old types of Carnation. For winter protection give a light covering of straw. All colors mixed. Pkt., 25c.



DOUBLE PYRETHRUM ROSEUM

This is a new strain of that delightful perennial, selected for its double blossoms. One cannot expect from seed to secure all double, however it will run about 50 per cent so. It grows 1 to 2 feet tall, blooming period in May and June and again in August and September. For those looking for the newer things, for their perennial borders, they will find this a real acquisition. Pkt., 25c.



SHASTA DAISY
(Alaska)

We believe this to be the finest strain of the Shasta Daisy. A hardy perennial with flowers 4 to 5 inches across, pure white with broad overlapping petals. Flowers are carried on long strong stems, remaining in good condition for a week. Pkt., 15c.



BLUE PERENNIAL POPPY
(Meconopsis Baileyii)

One of the finest introductions of recent years. This beautiful Blue Perennial Poppy, brought over from Tibet to England by Captain Kingdon Ward, throws up from its rootstalk half a dozen leafy stems 2 to 3 feet tall, broad sea-green leaves bearing freely at their heads large four-petaled blooms of a Glorious Sky-Blue color, the effect of which is made more beautiful by a central zone of golden-yellow antlers. It is quite hardy, preferring a shady position. This beautiful plant received "Certificates of Merit" by the Royal Horticultural Society, and should, as it becomes known, be one of the most popular plants in cultivation. Pkt., 35c.

Shumway's Flower Seeds

Shumway's Asters

We are offering several varieties of Asters in different colors. Any description given will be of the type of Aster rather than to treat them as a whole.



Early Beauty. While this is earlier than Late Beauty type, we do not wish to give the impression that it is an early Aster. This comes into bloom a little later than the Queen of the Market strain. This strain of Asters grows 2 to 3 feet high with long stout stems 15 to 20 inches in length, making them one of the most desirable for cut flowers.
 Crimson—Pkt., 10c; ¼ oz., 60c.
 Purple—Pkt., 10c; ¼ oz., 60c.
 Rose—Pkt., 10c; ¼ oz., 60c.
 White—Pkt., 10c; ¼ oz., 60c.
 Mixed—Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.10; oz., \$2.00.



California Giants. The very newest thing in Asters. The most gorgeous of all. This type was developed by crossing the Crego strain with the Beauty type, resulting in a plant of vigorous growth and the Ostrich Feather type of blossom. The flowers measure 5 to 6 inches in diameter on long, sturdy stems, which make them attractive when arranged in floral work. This strain stands up well when shipped long distances.
 White—Most beautiful white aster. Pkt., 15c; ¼ oz., 90c.
 Light Blue—Pkt., 15c; ¼ oz., 90c.
 Peach Blossom—Light pink. Pkt., 15c; ¼ oz., 90c.
 Rose—Pkt., 15c; ¼ oz., 90c.
 Dark Purple—Pkt., 15c; ¼ oz., 90c.
 Mixed—Pkt., 15c; ¼ oz., 90c; ½ oz., \$1.65; oz., \$3.00.



Queen of the Markets. This is a well known early flowering Aster of a branching type, growing about 18 inches high. An excellent cut flower strain.
 Crimson—Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.10.
 Flesh Pink—Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.10.
 Lavender—Pkt., 10c; ¼ oz., 35c.
 Rose—Pkt., 10c; ¼ oz., 35c.
 Purple—Pkt., 10c; ¼ oz., 35c.
 White—Pkt., 10c; ¼ oz., 35c.
 Mixed—Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.10.



Aster Perennial or Michaelmas Daisy

HEART OF FRANCE

This variety opens a ruby-red, and grows darker as it ages, retaining this beautiful color to the end. The petals seem to appear to continually change showing a glow and then a sheen, finally a soft warm velvety texture. Heart of France without doubt is the outstanding red Aster today. Pkt., 15c; ¼ oz., \$1.00; ½ oz., \$1.80; oz., \$3.50.

PEERLESS YELLOW

Considerable work has been done to perfect a Yellow Aster. This has now been accomplished and we now have the very best one in this color. It is of the American Branching habit, height about 2 feet, flowers of good size and form. The petals are slightly incurved, but no trace of quills, as in the earlier forms of the Yellow Aster. The color is a deep yellow when first opened and fades slightly as it ages. Pkt., 20c; ⅛ oz., 70c; ¼ oz., \$1.25; ½ oz., \$2.25.

ASTER PERENNIAL OR MICHAELMAS DAISY

This hardy perennial fills an important place in the hardy border. Height 30 in. It blooms late in the season with showers and masses of dainty and brightly colored blossoms from the last of September until killed by freezing. Pkt., 10c.



SUNSHINE. Improved Anemone-Flowered. The Sunshine type of Aster has been greatly improved since its first introduction. It now has long strong stems which adapts it wonderfully well for cut flowers. Some of the blooms have twisted petals, some are quilled but all have a cushion center of a contrasting color. We recommend this variety to all lovers of Asters as it is without doubt one of the most graceful and beautiful. All colors mixed. Pkt., 20c; ⅛ oz., 40c; ¼ oz., 75c.

Aster: American Mixture

This is a wonderful mixture of all types of Asters. One that will please in every respect. All colors and shades. The picture shows a field of the stock from which the seed was taken. Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 85c.



NOTICE

Do not plant Asters where you had them last year. They should be in a new spot in your garden. If they are repeated in the same soil year after year the soil becomes diseased and your Asters will have what is known as The Aster Yellows. This is a very important fact which should be observed.

Geum



Geums belong to the Rose family. The varieties we are offering are showy, free flowering, producing quantities of attractive flowers which are very desirable for cutting. The plants are of a tufted habit with pinnate leaves. This hardy perennial is desirable for border culture. The blooms after cutting are inclined to wilt unless the stems are immersed for a while in warm water.

Lady Stratheden. (Golden Ball.) (2 ft.) The flowers are double; a delicate shade of golden yellow. Pkt., 20c.

Mrs. Bradshaw. (2 ft.) The flowers of this variety are very large, double, orange-scarlet in color. Pkt., 20c.

Hardy Garden Pinks



Double Japan. A variety that will blossom freely the first season and being very hardy will establish itself and blossom on for many years. Excellent as a cut flower. Pkt., 10c; ½ oz., 40c; oz., 75c.

Double Diadem. (12 in.) These are also hardy and have very brilliant coloring. Double flowers that are mottled, fringed, striped, and spotted. Pkt., 10c; ½ oz., 40c; oz., 75c.

Double China Pink (*Dianthus Chinensis*). (12 in.) A class of beautiful hardy pinks. They blossom well the first year, and for many years thereafter. They are favorites for bouquet making, and the plants are perfectly hardy in all climates. Are popular in gardens. Mixed. Pkt., 10c; ½ oz., 45c; oz., 85c.

Plumaris. (10 in.) This is the old-fashioned hardy clove-scented Garden Pink. It is very desirable for the perennial borders foreground and particularly adapted to the rock-gardens. Pkt., 10c; ½ oz., 25c; ¼ oz., 40c.



Double Balsam (Lady Slipper). (1½ ft.) This old garden favorite produces a mass of beautiful brilliant colored double flowers around a very stiff stalk. They prefer rich soil, plenty of water, and a sunny position. Plants should stand at least 12 inches apart. All colors mixed. Pkt., 5c; ½ oz., 30c; oz., 50c.

Poppies



American Legion. (20 in.) One of the most beautiful satiny annual Poppies in existence. The color is a dazzling orange-scarlet of giant size carried on large vigorous stems. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

Shirley Poppy. (20 in.) The flowers are single, very beautiful and satiny in various colors, the centers of which are white. The foliage is finely cut and hairy in appearance. Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.

Double Poppy. (30 in.) This beautiful annual gives the effect of being a large feathery ball. They are very beautiful and showy and add materially to the landscape. Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.

Perennial or Oriental Poppy. (30 in.) A perennial, and the seeds can be sown at any time of the year. It has very pretty foliage and the flowers are a blaze of beauty and brightness, and it is a rare sight to behold in any garden. All varieties mixed. Pkt., 10c.

Iceland Poppy. (*Nudicaule*.) A perennial Poppy of neat habit, forming a tuft of fern-like foliage, blossoming the entire season in a profusion of blooms carried on leafless stems about 1 ft. high; beautiful cup shaped flowers in orange, salmon, yellow and white. Mixed pkt., 15c.

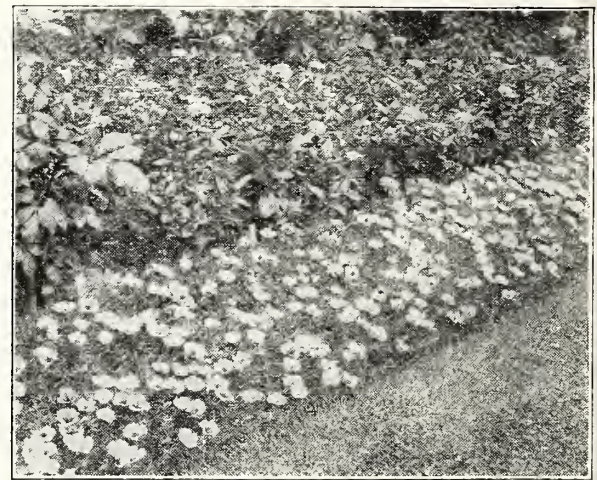
California Poppy. (*Escholtzia*.) See page 56.

Cosmos

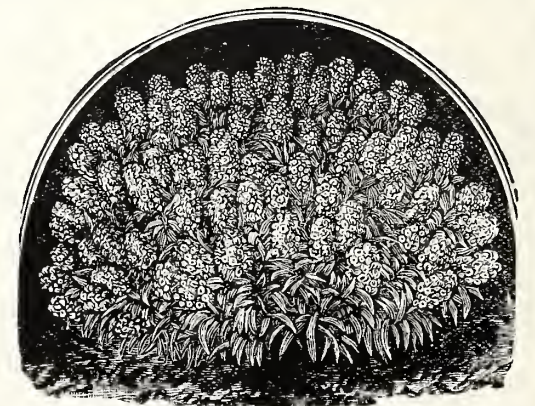


Double Early Flowering. This new variety grows about three feet tall, forming a bush with massed blooms. The flowers are of good size and borne on long stems. Seventy days is required from the time of planting the seed to bring them to bloom. All colors mixed. Pkt., 15c; ¼ oz., 40c; ½ oz., 75c.

Single Early Flowering. (4 ft.) This is a popular plant and a very strong grower, and a profuse bloomer. Both foliage and the flowers are beautiful for bouquets and vases. The seed grows readily anywhere. All best mixed. Pkt., 10c; ½ oz., 30c; 1 oz., 50c.



Portulaca. (*Rose Moss*.) (6 in.) A low growing plant that will thrive and bloom profusely in a hot, dry location. Adapted for rock work edging, etc. Seed should be mixed with a little sand when sown so as to have an even distribution. Sow in May when the ground is warm. Double and single mixed. Pkt., 10c; ¼ oz., 50c; ½ oz., 90c; oz., \$1.75.



Sweet Alyssum. (*Little Gem*.) (4 in.) Pretty, white annual plants, nice for beds, edgings or rock-work. Very sweet scented, beautiful for mixing in bouquets when white flowers are required. Florists use large quantities of it. Pkt., 5c; ½ oz., 25c; oz., 40c.

Calendulas



Cape Marigold. (18 in.) This is one of the best and showiest free flowering hardy annuals known, growing in any good garden soil making a very beautiful effect all summer long continuing in bloom until killed by frost. Pkt., 5c; ½ oz., 25c; oz., 40c.

The Ball. (Florist's Strain.) Orange in color with a little lighter center, particularly adapted for forcing. Pkt., 15c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

Ball's Gold. Dark golden yellow. Used for the same purpose as the above. Pkt., 15c; ½ oz., 60c; oz., \$1.00.

Campfire. (Florist's Strain.) A striking novelty introduced last year. The blooms are flat and larger than any of the others. The tips of the petals are finely cut. The brightest orange color of any of the Calendulas. Pkt., 20c; ¼ oz., 50c; ½ oz., 90c; oz., \$1.75.



Didiscus or Blue Lace Flower. Long stemmed lavender blue flowers. This interesting annual plant blooms freely from July until November. The plants grow about 18 inches high and have as many as fifty flowers open at a time. Pkt., 10c.



Candytuft (Iberis). (12 in.) Annual plant of compact, upright habit, and beautiful blossoms; unsurpassed for bedding and bouquets. Seed can be planted early in any soil. Mixed, pkt., 7c; ½ oz., 40c; oz., 75c.



Double Carnation. A magnificent class of beautiful and popular favorites. Most all of them are deliciously sweet with fragrance. Their colors are extremely rich and beautiful. Perfectly hardy, and nice for many years. Cannot be excelled for the house. All varieties, mixed, pkt., 10c.

Marguerite Carnation. Blossoms first year, with all shades of beautiful colors. It blooms all summer and fall, and can be taken up for the house, to bloom all winter. All colors, 10c.



Aquilegia. Long Spurred (Columbine). These are one of the most beautiful hardy perennials that we have, producing beautiful flowers on 2 foot stems. They are easy to establish and thrive in almost any situation. However, they do better if sheltered a little from the full sun. Mrs. Scott Elliott's Strain. Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c; ½ oz., 75c; oz., \$1.40.



Perennial Pea. A very interesting pea-like flower which blooms continually from spring until fall. Very beautiful in bouquets. This variety is very hardy, will last for years. Pkt., 10c; ½ oz., 40c; oz., 75c.

Celosias



Chinese Woolflower (Childsii). (2 to 3 ft.) An annual. The plants grow two to three feet high, the bloom starting early with a central globular head which often reaches size of two feet in circumference. Scores of branches are thrown out, each having a ball of scarlet wool. Blooms do not fade until frost. They can be cut and dried and used for winter bouquets. Pkt., 10c; ⅛ oz., 45c; ¼ oz., 80c.

Ostrich Feather. (2½ ft.) This forms a large, beautiful plant of pyramidal form, and bears numerous massive plumes resembling Ostrich Feathers waving most gracefully above the foliage which makes it effective and beautiful in the garden. Pkt., 8c; ¼ oz., 30c; ½ oz., 50c.

Cristata or Cockscomb. (8 to 10 in.) A very pretty interesting annual producing large comb-like heads. Very showy in the late summer and fall. Pkt., 5c; ¼ oz., 20c; ½ oz., 35c.

ALL VARIETIES MIXED

This is an especially compounded mixture of all varieties of Cockscomb which we feel some people might desire in a massed affect. Pkt., 7c; ½ oz., 50c; oz., 75c.



Canterbury Bell (Campanula Medium). One of the interesting hardy flowers classed as a biennial. Plants grow 18 to 24 inches high, bearing beautiful cup shaped flowers, in blue, white, and pink. Particularly beautiful when planted in the hardy borders. All colors mixed. Pkt., 10c.

Cup and Saucer (Campanula or Calycanthema). This is a very interesting specie of the Canterbury Bell. The calyx forming a saucer around the base of the bell or cup. Pkt., 15c.

Shumway's Petunias



There is no annual flower that can surpass the Petunia in continuous blooming and show of color in the garden. Dotted here and there through the perennial borders and along the garden paths they keep up a show of color until frozen off. Petunias are particularly adapted to window boxes and by mid-summer, so planted, they are a charming sight to behold. Remember Petunias will stand full sun far better than any of our annual flowers.

LARGE SINGLE FLOWERING VARIETIES

The Blooms of This Type Average 3 to 4 Inches Across

Pink Glory. Slightly ruffled flowers of a pure flame-rose pink. Pkt., 35c.

Romany Lass. Bright velvety blood-red with purple throat, striped in black. Pkt., 40c.

Theodosia. Clear bright pink, heavily ruffled edge with yellow throat. Pkt., 35c.

BALCONY VARIETIES

Balcony Rose. Pkt., 15c.

Balcony Deep Blue. Pkt., 15c.

Balcony Deep Red. Pkt., 15c.

Balcony White. Pkt., 15c.

PORTLAND PETUNIAS

Pride of Portland. Deep rose, fringed.

Scarlet Beauty. Scarlet fringed.

Elk's Pride. Plain, deep purple, edged black-purple.

Each of above, Pkt., 20c.

SINGLE GIANT FLOWERING VARIETIES

The Flowers of This Strain Are 5 to 7 Inches Across

Giants of California. The color range of this type carries every conceivable shade of crimson, violet, lavender, pink, and white. Pkt., containing about 300 seeds, 20c.

Ruffled Monsters. The flowers carry the same color range as above, but are heavily ruffled. Pkt., containing about 300 seeds, 35c.

Dwarf Giants, Ramona Strain. The newest introduction of Petunias, particularly adapted to pot-culture. The blooms are enormous. It doesn't seem possible that there could be such large flowers on so small a plant. Pkt., 50c.

SINGLE SMALL FLOWERING VARIETIES

This Type Is Adapted to Window Boxes and Bedding

Carmen Sylva. Baby blue with white throat. Pkt., 10c.

General Dodds. Blood-red. Pkt., 10c.

Howard's Star. Imp. Crimson-maroon with a star of blushing white. Pkt., 15c.

Rose of Heaven. Rich brilliant rose, inconspicuous white throat. Pkt., 20c.

Silver Blue. Light blue. Pkt., 20c.

Violacea. Deep violet. Pkt., 15c.

Senator. Purple with white throat. Pkt., 15c.

Shumway's Superfine Mixture Petunia of single small flowering varieties. Pkt., 10c; ½ oz., 20c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

MIXED DOUBLE PETUNIA

A particularly choice mixture of large flowering fringed double Petunias. No one can expect from seed to secure all double flowers, as this has never been known. However, thirty to thirty-five per cent will show double and the balance exceptionally large fringed flowers of very beautiful markings and veining. Very choicest mixture. Pkt., 20c.

KILLS PLANT INSECTS



Effective against Rose Slugs, Aphids, Leaf Hoppers and most other plant insects, including cut-worms. 1 oz., 35c; 6 oz., \$1.00; 16 oz., \$2.00.

Snapdragon—Antirrhinum



There are few flowers that can compare with the Snapdragons for gorgeous coloring. Blossoms are produced on long spikes, large flowers and very fragrant; this makes them one of our finest cut flowers. Snapdragons are easily produced from seed in any well fertilized sunny bed. To keep the plants blooming either keep the flowers picked or keep the seed pods pinched off.

Snapdragons are exceptionally beautiful when combined in plantings, or in bouquets, with Penstemon Sensation.

MAXIMUM OR GIANT FLOWERING

Height 32 Inches. This Strain Is the Largest of the Snapdragons, Each Bloom Measuring 2 to 3 Inches Across

Apple Blossom. Rosy-pink, yellow lip.

Cattleya. Rosy-lilac.

Copper King. Velvety copper-scarlet.

Golden Queen. Deep yellow.

Indian Summer. Velvety copper.

Old Gold. Deep golden yellow.

Purple King. Deep glowing purple.

Ruby. Velvety, ruby-red.

Snowflake. Pure white, yellow tube.

The Rose. Rose-pink.

Wallflower. Brownish orange, copper-red.

Pkt., each of any of the above, 15c.

Maximum Snapdragon, Mixed. A well balanced fine mixture. Pkt., 15c; ½ oz., 25c; ¼ oz., 40c; ½ oz., 75c; 1 oz., \$1.35.

Maximum Snapdragon. Collection of 12 packets of above, \$1.50; one of each, regular price, \$1.80.

MEDIUM, LARGE FLOWERING

Height 18 to 20 Inches

Climax. Orange, shaded to yellow in lip.

Fawn. Terra cotta pink, suffused yellow.

Firebrand. Bright scarlet.

Gloria. Rich deep rose-pink.

Golden Queen. Clear yellow.

Grenadier. Orange-scarlet, white throat.

Mauve Queen. Lilacy-mauve.

Nelrose. Deep rose-pink.

Purity. Pure white.

Silver Pink. Pearly pink.

Pkt., each of any of the above, 10c.

Medium Snapdragon, Mixed. A well balanced fine mixture. Pkt., 10c; ½ oz., 20c; ¼ oz., 35c; ½ oz., 65c; 1 oz., \$1.20.

Medium Snapdragon. Collection of 11 packets of above, 85c; one of each, regular price, \$1.10.

SPECIAL FLORIST'S STRAINS FOR FORCING

Jennie Schneider. Beautiful salmon-pink. Pkt., 25c; Trade pkt., 75c.

Philadelphia Pink. Pure pink. Pkt., 20c; Trade pkt., 60c.

Ceylon Court. Canary yellow. Pkt., 25c; Trade pkt., 75c.

Apple Blossom. Rosy-pink, yellow lip. Pkt., 25c; Trade pkt., 75c.



Helichrysum (Monstrosum). Are lovely everlasting flowers, and very ornamental in the garden, they are much admired for the beauty of their flowers when dried. Gather them when first open. They retain color for years. Mixed, packet, 10c; ¼ oz., 30c; ½ oz., 50c; oz., 85c.



Scabiosa or Mourning Bride (2½ ft.). Commonly known as the Pin Cushion Plant. The stems are long and the blooms keep well after picking. If kept picked this annual will last through the whole summer. The delicate colorings predominate. Pkt., 7c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.



Cardinal Climber. A very attractive strong and rapid grower, attaining a height of 25 feet with beautiful fern-like foliage, literally covered with a blaze of fiery cardinal flowers from mid-summer to frost. The flowers are about an inch in diameter and borne in clusters, 5 to 7 blooms. Should be planted in a warm sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about the tenth of May. Pkt., 10c.



Hunnamania. (Bush Escholtzia, or Santa Barbara Poppy.) (1½ ft.) The plants grow in the form of a shrubby bush producing their large cupped shaped flowers 3 inches in diameter, golden-yellow in color on stems 12 inches long. The petals are broad and crinkled. Desirable as a cut flower. Particularly beautiful when planted with Nigella or Love-in-a-Mist. Pkt., 10c.



Imperial Sweet Sultan. (2½ ft.) This beautiful annual flower deserves to be in every garden. Produces large double pretty flowers in great profusion, growing on long stems, and is splendid for bouquets. It is sweet scented and admirable for garden. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.



Summer Cypress or Burning Bush. (Kochia Trycophilla.) This hardy annual grows 30 in. tall. It is highly ornamental, and forms a pyramidal growth of Cypress-like appearance. In autumn the foliage becomes densely carmine-red, and is often called "Mexican Fire Plant." Pkt., 5c; ¼ oz., 20c; ½ oz., 35c.

Delphinium
(Perennial Larkspur)



There are many strains of Delphinium in cultivation, the most important of which are the hybrids, which have a wonderful range of colors and are valuable for their great height, growing about 5 to 6 feet tall. They thrive in almost any situation or soil being perfectly hardy, however a good deep rich soil will repay the garden lover as it will result in sturdier plants and better flowers. It is well to take off the blooms before the seed pods form, by doing so there will be another series of blooms following.

Shumway's Gold Medal Hybrids. This is a strain grown for us being saved from selected plants. The color range is from pale lavender to indigo, many varieties coming double. Pkt., 10c.

Wrexham or Hollyhock Flowered. A decided improvement on this wonderful perennial. The individual flowers are 1½ to 2 inches in diameter in blue, pale lavender and lavender-pink combinations. The sturdy growth and general appearance reminds one of a Hollyhock. Pkt., 35c.

Blackmore and Langdon Strain. This strain contains all the clear opalescent hues. The individual flowers are 1½ to 2 inches in diameter and also carries the bees of contrasting colors. Pkt., 35c.



Salvia Splendens. (2 ft.) The standard bedding plant that produces a blaze of bright red blooms from mid-summer until killed by heavy frosts. Very beautiful as a hedge or border plant and particularly desirable in beds. Pkt., 10c; ¼ oz., 50c; ½ oz., 90c; oz., \$1.75.

Lupins



Perennial Lupin. One of our most beautiful hardy border plants having soft green foliage from which rise continuous spikes of bloom from June to September. The Perennial Lupin plants should not be disturbed after they are established. We are offering this beautiful perennial in the following colors.

Blue—Height, 3 ft. Pkt., 10c.

White—Height, 2 to 3 ft. Pkt., 10c.

Roseus—Height, 4 ft. Light and dark rose flowers carried on long stems. Pkt., 15c.

Luteus. Height, 3 ft. (New.) A strain of yellow shades. Pkt., 25c.

Perennial Mixed Lupins. This is a particularly fine blending of all of the colors. A fine value. Pkt., 20c.

Annual Lupins. Free flowering annual, growing about 2 feet tall, producing spikes of various colored pea-shaped flowers. Delightful for cutting. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.



Statice (Sinuata). (3 ft.) Curious looking, fine plants, bearing flowers in panicles. Valuable to dry, as they retain color, and are admired for bouquets of everlasting, and cut flowers in summer. Mixed colors, 10c.



Gilia Capitata. A graceful Annual, which grows about 2 feet tall. A fine feathery foliage. Blooms freely over a long season, blossoms about 1 inch across, lavender-blue in color. The flowers last over a long period of time after being cut, retaining their color when dry. Pkt., 10c; ¼ oz., 25c; ½ oz., 45c.



Godetia. An attractive hardy annual which deserves extensive cultivation. The plants are about 1½ feet tall blooming very profusely and bearing flowers of a satiny texture, in many rich and varied colors, particularly in the shades of red and pink. They do their best in a rather poor soil. Pkt., 10c.



Ageratum. One of the best summer blooming plants that can be grown from seed. They grow rapidly and when once they start to bloom they continue through until killed by frost.

Blue Perfection. (9 in.) Pkt., 10c.

Mexicanum (18 in.). Pkt., 10c.



Arctotis (African Daisy). (2 to 3 ft.) A beautiful blue annual from the Southwestern part of Africa, growing in bush form two to three feet high. The flowers are large and the color pure white on the upper part of the petals, the reverse side being a pale lilac blue. It is one of the most desirable flowers we have for cutting. Grown very easily from seed, germinating in about five days. Plants start blooming in July and continue until killed by frost. Plant in a sunny location. Pkt., 10c.

Pansies

**SWISS GIANT—(Roggli Strain)**

Swiss Giant Mixture. A superb new strain producing flowers of gigantic size, great substance, perfectly round and in the most novel color combinations never before found in Pansy flowers. The plants are very robust in growth. If you are looking for the unusual in Pansies you should not fail to try this strain. Pkt., 30c; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.50; $\frac{1}{2}$ oz., \$6.50; oz., \$12.00.

**SHUMWAY'S SUPER BLEND**

As the name implies, this is the utmost in a mixture of Pansies. All types we are listing, as well as the wonderful frilled Masterpiece and Orchid Flowering which are so beautiful, are compounded into this super blend. This array meets the approval of the most critical buyers. Pkt., 35c; $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.75; $\frac{1}{2}$ oz., \$8.25.

Mammoth Exhibition Mixture. A blend made up of the largest flowering pansies obtainable. The flowers are round, solid and of gigantic size, including the shades of red, rose, carmine, ruby, in fact all colors known to the Pansy family. Pkt., 20c; $\frac{1}{8}$ oz., 45c; $\frac{1}{4}$ oz., 80c; $\frac{1}{2}$ oz., \$1.50; 1 oz., \$2.75; $\frac{1}{4}$ lb., \$10.00.

GIANT TRIMARDEAU

This mixture has a complete color range, but the blossoms are not quite as large as the ones in the other mixtures we offer, nevertheless this is very choice and is particularly adapted to those who do not want the extremely large Pansy. Pkt., 10c; $\frac{1}{8}$ oz., 25c; $\frac{1}{4}$ oz., 45c; $\frac{1}{2}$ oz., 80c; oz., \$1.45; $\frac{1}{4}$ lb., \$4.50.



Gaillardia (Annual). This annual which grows about 1½ ft. tall is one of the most profuse bloomers of the flower garden. The colors of this beautiful annual may be likened to the sunset colors as they are in all of the shades of red, yellow, pink and orange. The foliage is gray-green and quite abundant, making them desirable for cut flowers. A very desirable flower to be grown in solid beds or in the foreground of a hardy border where they will live the colors after perennials have passed their blooming stage. Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; 1 oz., 75c.



Bachelor Buttons, or Cornflower (Centaurea Cyanus.) (2 ft.) A hardy annual that will reseed itself, which makes it very nice for naturalizing. Thrives in any soil and endures drought. Foliage not interesting, but flowers are very charming. All colors. Pkt., 5c; $\frac{1}{2}$ oz., 25c; oz., 45c.

Double Blue Bachelor Button or Blue Cornflower. This is a selection of a true blue made out of the regular Bachelor Button. Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 75c.

Zinnias



See Front Cover for Colored Illustration

Dahlia Flowered Zinnia. (3 to 4 ft.) This new specie is very sturdy and produces many flowers with strong stems. The broad petals are closely imbricated, sometimes seeming to be piled upon each other. The flowers measure 4 inches deep and 6 to 8 inches in diameter. The general appearance compares with the Show Dahlias. Colors are very unusual, all shades but odd hues. Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 50c; $\frac{1}{2}$ oz., 90c; oz., \$1.75.

Crimson Monarch. By far the largest and best of the red strain, flowers often 8 inches in diameter. Pkt., 15c.

Exquisite (Tyrian Rose). One of the most pleasing of the collection, very large light rose in color with center a deep rose. Pkt., 15c.

Oriole. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named. Pkt., 15c.

Dream (Mallow Purple). A fine, deep lavender, turning to purple. A desirable shade in Zinnias. Pkt., 15c.

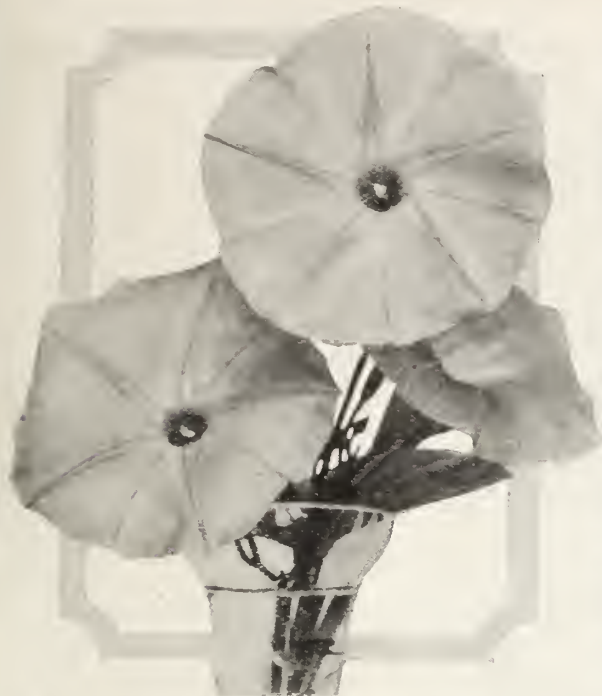
Youth. A 1930 introduction. A very vigorous robust plant. Color is a beautiful uniform soft rose. This is three to four shades lighter than Exquisite. Pkt., 15c.

Collection of 6 packets of Dahlia Flowered Zinnia. 1 pkt. each of 5 named varieties and one of mixed 75c.



Giants of California or Colossal Zinnia. (3 to 4 ft.) One of the most brilliant and the most showy annuals grown. It is a universal favorite, and flowers are as double and as brilliant as Dahlias. A beautiful free-flowering plant all summer and fall. Can be trimmed to any desired shape and blossoms continuously. Choice mixed. Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 75c.

Zinnia Elegans. (2½ ft.) This strain of Zinnia is more bushy than the Giant or Dahlia Flowered, flowering more freely. With this feature in mind one can readily see that they can be planted to an advantage in solid beds or used in edging. The blossoms are about the size of a half dollar, the colorings are very beautiful. The ideal Zinnia to be used in cutting for bouquets. Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 75c.



Moon Flower. (Grandiflora.) (15 to 20 ft.) A climber of very rapid growth blooming at night and dull days. The vines are literally covered with large pure white fragrant flowers 5 to 6 inches across. Seed should be soaked in warm water for 24 hours before planting. The seed, the size of a pea, should be notched with a file before soaking. Pkt., 10c; oz., 25c.



Perennial Phlox. One of our most beautiful perennial plants for borders. Very hardy and roots may be divided after the second or third year. All colors mixed. Pkt., 15c.



Verbena. (18 in.) It is one of the most popular garden annuals, easy of culture and will blossom the entire summer. Particularly fine for borders and beds. All colors mixed. Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 75c.



Hibiscus. (Also called Marshmallow or Rosemallow.) The flowers are of enormous size, often 10 to 12 inches in diameter. The colors are in a rich dark red, mallow-pink and pure white; the plants grow from 5 to 8 feet high carrying a great many blooms, blooming from early July until late in the autumn. This is a perennial and is perfectly hardy. All colors mixed. Pkt., 10c.



Double Dwarf Sunflower. (Helianthus.) (3 to 4 ft.) Ornamental on account of their steady growth, and very fine, attractive appearance. Dwarf sorts do not grow high. Hundreds of flowers on each stalk, and continues in bloom a long time. Very beautiful. All double varieties mixed. Pkt., 5c; oz., 30c.



Solanum. (18 in.) A beautiful miniature evergreen tree, which bears perpetually great numbers of ripe and green fruit (not edible), and it blossoms freely the whole year. Their scarlet fruit makes them very desirable for both house and to set on the lawns in the summer. Pkt., 10c.



Tritoma (Red Hot Poker). (30 in.) Showy border plants throwing a bloom very compact in form on stout stems. Blossoms are a brilliant orange-red. Blooms in August and September. If left in a protected spot in the garden, they will live over; however, it is well to dig the roots and store in sand for the winter. Pkt., 10c.



Tritoma Roots
20c each; 6 for \$1.00.

Verbena Hybrida "Colossal." A choice new species of Verbena. Each one of the individual florets of the blossom exceed an inch in diameter. One can hardly believe when they see this flower that it is of the Verbena classification. The strain now offered contains rose shades and rose auricula eye. Pkt., 20c.



Pyrethrum Roseum (Painted Daisy). (1 to 2 ft.) One of the most valuable of our early summer flowering perennials, beautiful in all shades of rose and pink, flowers blooming in May and June and again frequently in August and September. Pkt., 10c.



Honesty. (Lunaria.) This bears racemes of beautiful purple flowers. The silvery seed pouches are pretty, curious ornaments for winter bouquets. Pkt., 10c.



Euphorbia. (2 ft.) The foliage is beautifully variegated with silvery white and green, which makes it very showy in the garden or mixed in cutflower bouquets. Pkt., 10c.

Job's Tears. (Coix Lachryma.) (2 to 4 ft.) It has large, smooth, glossy seeds, hanging pendulous. Is fine mixed with everlastings. Pkt., 5c; oz., 20c.

Stocks



Coreopsis. (2 ft.) This is one of the most popular hardy plants. The golden-yellow blossoms are carried on graceful stems. The blooming season which is from June to October makes this exceptionally valuable to lend color to a perennial border. Pkt., 10c.



Ten Weeks. (1 ft.) One of the most beautiful and fragrant of all the annual flowers. The flowers are arranged on long stiff stalks like small rosettes. The colors are of the soft hues, making them very attractive in bouquets. All colors mixed. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

DOUBLE EARLY GIANT IMPERIAL OR IMPROVED BISMARCK

This is an especially meritorious strain of Stocks. They grow from 24 to 30 inches tall and are of branching habit. Very early blooming and produce a high percentage of doubles. We cannot say too much for this strain for those who want the better things in their garden. This is the finest strain for florists for greenhouse growing. All colors mixed. Pkt., 20c; ¼ oz., 70c; ½ oz., \$1.30; oz., \$2.50.

Blush (Apple Blossom). Pkt., 20c.
Canary Yellow (Golden Ball). Pkt., 20c.
Fiery Blood Red. Pkt., 20c.
Mauve Lavender. Pkt., 20c.
White. Pkt., 20c.

Collection of 6 packets, 1 of each of the separate colors and a packet of mixed for \$1.00; postage paid.



Globe Amaranth, or Gomphrena. Beautiful and useful, everlasting. Some call it English Clover. Gather the heads before fully expanded to dry for winter bouquets. They expand in drying, and preserve an intensely bright color, which is preserved for years. All colors, mixed. Pkt., 10c.



Chrysanthemum. This single flowering annual strain is very showy and effective in gardens. They are extensively grown for cut flowers. Plants are about 2 feet tall, bearing blooms, daisy-like in formation, on exceptionally long stems. They are entirely distinct from the hardy perennials which are the autumn flowering varieties. This strain bears profusely all summer long. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.



Double Marigold (Tagetes). Very finest class of hardy annuals. Always desirable, because all the flowers are very double, large, and exceedingly beautiful. It gives the greatest satisfaction in any kind of soil. Great improvement over the old sort. All varieties, mixed. Pkt., 7c; ½ oz., 30c; oz., 50c.

Dwarf French Marigold. (Double and Single Mixed.) This strain of Marigold is very desirable for edging or to be used in solid beds. Also a desirable acquisition where yellow and wine shades are desired in window boxes, as plants are literally covered with small bright flowers. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.



Double Hollyhock. A perennial that is desirable for a background or to shut off some unpleasant view. Stately spikes carrying many blooms add to the garden beyond description. Single Mixed: Pkt., 5c; ½ oz., 25c; oz., 40c.

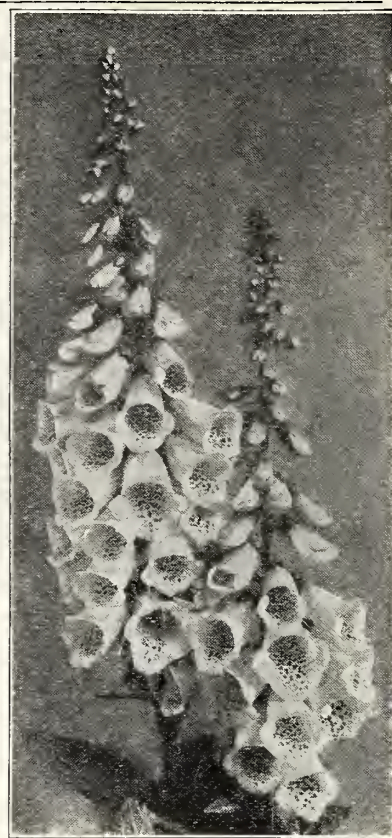
Double Mixed: Pkt., 10c; ½ oz., 40c; oz., 75c.



Heliotrope. (18 in.) Profuse flowering plants; deliciously fragrant. Is splendid for bedding; ribbon-borders; vases, or house culture. Seeds sown in spring will be fine for summer and fall decorations. Choice mixed, pkt., 10c.



Coleus. (2 ft.) Popular plants in the flower garden. They have become one of our most popular of all the border and bedding plants. Easily grown anywhere. Finest varieties, mixed, 15c.



Foxglove (Digitalis). One of the stately garden favorites which are very beautiful in shrubby borders, growing 3 to 4 feet high. One of our most beautiful perennials. Pkt., 10c.



Acroclinum. (20 in.) A beautiful everlasting flower bearing blooms, daisylike in shape. Bright rose and delicate pink in color. Cut when in bud, and as they dry out will expand to full size. Pkt., 10c.



Calliopsis (Tickseed). (20 in.) An annual, very desirable, graceful border plant, blooming abundantly all summer. The flowers are in all shades of yellow and brownish red, greatly prized for bouquets. Thrives in any soil. Pkt., 7c; ½ oz., 30c; oz., 50c.

Seeds of Alpine Plants for Rock Gardens

Aster-Alpinus. Three to ten inches high. Showy bluish-purple flowers with yellow center. Blooms in May and June. Pkt., 25c.

Anemone-Alpina (Windflower). Hardy and particularly adapted to Rockeries. Cup-shaped flowers in white, blue and reddish-purple. Pkt., 20c.

Alyssum Creticum. Dwarf, dense grower. Blooms in the spring. Flowers golden-yellow. Pkt., 20c.

Campanula Allionii. Of prostrate and trailing habit. Beautiful heavenly-blue flowers. Pkt., 25c.

Dianthus Alpinus. Low growing, sweet scented, early blooming Garden Pinks. Particularly adapted to Rock Gardens. Pkt., 25c.

Primula Rosea (Primrose). This requires a partially shaded location. Exceptionally fine for Rock Garden. Rose-carmine in color, blooming in May and June. Height 8 inches. Pkt., 25c.

Saxifraga (Mossy Varieties). The most important and one of the largest of the plants adapted to Alpine gardening. Colors are in white, pink, and red. Pkt., 25c.

Tunica Saxifraga. A pretty tufted plant producing light pink flowers all summer. This may be used either in the rockery or for border planting. Pkt., 20c.

Cyclamen Hederaefolium. One of the Neapolitan Cyclamen throwing a flower stalk of 4 to 5 inches in height. Colors are red and rose and some of purplish-red. Pkt., 25c.



Gentiana Septemfida (Gentian). Particularly adapted to moist shady situations in sandy loam. Seed is slow to germinate and do not use lime in the soil. The most beautiful shade of blue found in any flower. Pkt., 25c.

Leontopodium Alpinum (Edelweiss). This is known as an Emblem of Purity. Grows 4 to 12 inches high densely covered with whitish wool. The attractive portion being the clusters of woolly flower leaves surrounding the very small inconspicuous yellow blooms. Start the seed indoors about March 1st. Or sow in open ground in May. Pkt., 25c.

Silene Acaulis. An excellent class of plants for the rockery being closely allied to the Pinks and require the same treatment. They bloom practically all summer, 8 inches in height. Pkt., 15c.

1 Packet Each of This Collection for \$2.25.

Additional Perennial Flower Seeds For the Hardy Border and Some, According to the Descriptions, Adapted to Rockeries

Achillea, The Pearl. (Milfoil or Yarrow). Achilleas are easy to propagate and thrive in any good garden soil, however, they prefer sun. Useful in the border, wild garden or shrubbery; desirable for cutting. Pkt., 20c.

Arabis, Alpina. (Rock Cress.) A perennial of easy culture valuable for beds, edgings, rock gardens. They do well in any soil but need plenty of sun. Blossom early and their pure white blossoms make a very pleasing contrast with Alyssum Saxatile or Basket of Gold. Pkt., 10c.

Asperula. (Hexaphylla.) Pretty white flowered perennial with square stems. Four-lobed flowers with the foliage whorled. They do the best in the shade. Very desirable to mix with Sweet Peas and other cut flowers to lighten the effect. Pkt., 15c.

Boltonia, Astorides. (False Chamomile.) The Boltonias bloom at the same time as the Wild Asters and because of their height, 4 to 6 feet, are very desirable in large perennial borders. The plants literally bear thousands of star-like white flowers during July to October. Pkt., 15c.

Cerastium, Tomentosum. (Snow-in-summers.) Very desirable for rockeries and edgings. Grows four inches tall.

It is a creeping plant with the upper surface of the leaves light in color and woolly. It bears a profusion of white flowers early in the season. Pkt., 15c.

Echinacea, Purpurea. (Purple Coneflower.) Strong growing perennials for the border or wild garden, blossoms in July and August, desirable for cutting. Grows 3 to 4 feet tall bearing large rosy-purple flowers and dark central disc. Pkt., 15c.

Echinops, Ritro. (Globe Thistle.) A distinctive plant well adapted to the hardy borders or among shrubbery or to use as bold specimen plants. The flower heads are round as a ball and are entirely covered with needle-like thistles. Excellent for cutting, can be dried and will remain attractive for months. Suitable for naturalizing in wild gardens. Pkt., 10c.

Eupatorium, Ageratorides. (Thoroughwort.) (White Snake Root.) A strong growing border plant, suitable for cutting. They bear Ageratum-like heads of minute flowers. Thrive well in any garden soil, however prefer shade. Height 2 feet. Pkt., 10c.

Gentiana, Acaulis. (Gentian.) Beautiful hardy border and rock plants with beautiful deep blue bell-shaped flowers, in fact the most beautiful blue found

in any flower. Height 4 inches. They thrive best in moist, shady, sandy loam. Quite difficult to establish; do not transplant after once started. The seed is slow to germinate and do not use lime in the soil. Pkt., 20c.

Helenium, Atumnae Superbum. (Sneezewort.) A tall summer flowering plant. Blossoming period from June to September dependent on locality. Height 4 to 5 feet. The flowers are flat and are borne in large heads of clusters. Color is clear light yellow. Pkt., 10c.

Heuchera. (Coral Bells.) A neat growing graceful flowering perennial bearing an abundance of flowers suitable for cutting. Heart-shaped leaves. Exceptionally fine for the rock garden or where 18 inches to 2 feet is desired in the hardy border. Colors are flesh-pink through to deep crimson. Pkt., 30c.

Iberis. (Perennial Candytuft.) Dwarf evergreen plants growing 6 to 10 inches high. Very desirable for rockeries or borders where dwarf bright masses are desired. Blossoms early spring and summer. Pkt., 15c.

Monarda, Hybrida. (Bergamot or Bee Balm.) A fine perennial for naturaliz-

ing and to be used in the shrubbery borders. Flowers are brilliant scarlet, foliage is very fragrant. Thrive in sandy loam and sunny positions. Good for bees. Pkt., 15c.

Physostegia, Virginica. (False Dragon Head.) This very beautiful perennial grows 3 to 4 feet tall with spikes of rosy-pink, lilac, or white flowers, tub-shaped similar to a tiny Snapdragon blossom. Very attractive foliage surrounding the graceful spikes. Blossoms in June to September. Pkt., 10c.

Platycodon. (Chinese Bell Flower or Balloon Flower.) Height 18 in. to 2 ft. A very beautiful border plant belonging to the Campanula family, the flowers while in bud have the appearance of an inflated balloon. The flowers are blue and white, blossom from June to September. Pkt., 10c.

Ranunculus, Asiaticus. (Buttercup.) This will blossom the first year from seed if sown early. Flowers in May, variable in color, generally double in form, height 6 to 12 inches. Pkt., 15c.

Veronica, Spicata. (Speedwell.) A hardy herbaceous perennial belonging to the Foxglove family. Height 2 feet, small spikes of rich blue flowers. A showy plant for sunny borders. Very easy to grow from seed. Pkt., 15c.



Catchfly (Silene). (12 in.) A very desirable hardy perennial for borders or the rock garden. This plant is very closely allied to the Pink family and requires the same type of treatment. They bloom practically all summer. The blooms are rose colored and are clove scented. Pkt., 10c.



Alyssum Saxatile or Basket of Gold. A very desirable perennial for rockeries or rip-rap walls. Grows about 1 ft. tall, blossoms in May and June, carrying masses of golden flowers. Pkt., 10c.



Nigella. (1½ ft.) (Love-in-a-mist.) A very curious and beautiful free flowering annual plant, and grows readily in any location. The foliage is fine and pretty. Delightful when planted with Hunnemannia. Blue and white mixed. Pkt., 10c.

Phlox Drummondii



Sweet Rocket (*Hesperis*, also known as Evening Scented Stock). A perennial which belongs to the Wallflower family. It grows 2 to 3 feet tall and its blooming period is from June to August. The seed should be sown the latter part of February or March and transplanted into the open ground in April or May. Purple and White Mixed, Pkt., 10c.



Star or Cuspidata. Belongs to the same family of Phlox but as the illustration shows they have quaint and unusual flower formations. Same variations of colors as the Grandiflora type, height 1 ft. This strain does particularly well in the hot sun. Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 90c.

Phlox Drummondii (Grandiflora). (12 in.) An annual which is easily raised and one of the showiest. It produces a continuous supply of attractive blooms, in a marvelous range of colors. All of the tints and colors, variations of stripes, veins and eyes of contrasting shades are found in this pretty flower. Sow the seed as soon as the danger of frost is over and in a few weeks they will start blooming. Pkt., 7c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.



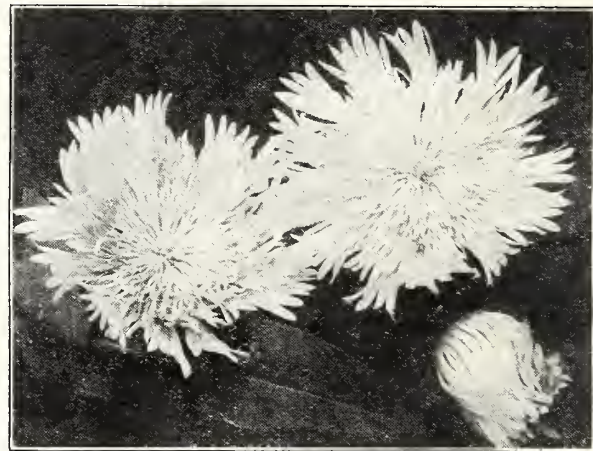
Phlox Drummondii (Grandiflora)



Forget-me-not (*Myosotis Alpestris*). (4 to 9 in.) One of the best spring flowers when grouped with Pansies and Daisies. This variety is of trailing habit and is well adapted to covering large patches where they will bring about a sea of beautiful dainty blue flowers. They thrive nicely and flourish well in shady moist situations. Very desirable for edging in the landscaping or to be used in planting around the lily pool. This is the national flower of Belgium. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.



Gaillardia (Blanket Flower). (2 ft.) This valuable perennial has a very long flowering period from June till October. Blossoms a bright yellow with maroon centers, are very attractive and gay. Easily grown in ordinary soil, as beds or borders. Pkt., 10c.



Stokesia, Cyanea (Stokes Aster, also called Cornflower Aster). A beautiful perennial which grows about 18 inches tall and blooms from July to October. The flowers are blue and seem to be a cross between an Aster and a Cornflower. Pkt., 10c.



Brachycome (Swan River Daisy). Dwarf-growing, free-flowering annual, about 12 inches high; literally covered during the greater part of the summer with a profusion of blue, pink, and white daisy-like flowers. Suitable for edging or small beds. Pkt., 10c.



Liatris (Blazing Star or Gay Feather). This is a rather odd perennial growing in long spikes 4 to 5 feet tall and densely covered with grass-like leaves of light green. The flowers which grow around the stalk are light lavender blooming from the top of the stalk downward rather than from the bottom upward. Pkt., 15c.



Cynoglossum, Amabile (Chinese Forget-me-not). One of the most beautiful annual plants we have, growing 18 to 24 inches high, where the blooms are used to mix with other flowers. The color is the most beautiful heavenly blue. It grows easily and blooms for a long time. Pkt., 15c.



Schizanthus or Poor Man's Orchid (Wisetonensis strain). This is one of the beautiful dainty annuals growing about 1½ ft. tall. The flowers are small but bright, in a bewildering range of colors, blotched and marked in contrasting shades. The foliage is fern-like. The seed germinates readily and in a few weeks the plant is a mass of flowers. It may be sown in the spring in the garden or may be seeded in the fall in pots and allowed to bloom inside. Pkt., 10c.



Japanese Morning Glory (Ipomoea Imperialis). A beautiful rapid growing annual. The flowers have a wide range of colors, some starred, others margined, as well as those in solid colors. Seed should be soaked in warm water 24 hours before using to bring about more rapid germination. The larger seed about the size of a pea should be notched with a file before soaking. Pkt., 10c; ½ oz., 20c; oz., 30c.

Heavenly Blue. Some people desire the one color of this beautiful seed, therefore we are offering this separately at 10c per pkt., ½ oz., 30c; oz., 50c.



Nasturtium. No annual excels the Nasturtium for a long period of bloom and easy culture. They need a sunny location but do not depend entirely on rich soil.

Tall. All Colors Mixed. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c.

Dwarf, mixed. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c.

MIXED EVERLASTING FLOWERS

In years past we have had many requests for a packet of Mixed Strawflowers, in other words flowers that will dry for winter bouquets. We now offer to the gardening public just such a packet. All of the varieties of Strawflowers listed in our catalog are represented in this article. Pkt., 10c; ½ oz., 35c; oz., 60c.



Nemesia. A delightful dwarf annual, growing about 1 ft. tall, which is very desirable for mass growing in the foreground or for edging. The flowers which are often ¾ of an inch in diameter are varied in color, rose, yellow, orange and blue. All colors mixed, Pkt., 10c.



Canna. These are usually planted from roots or started plants but they can be successfully grown from seed if planted early. The seed should be pierced in one spot with a file and soaked in lukewarm water for 24 hours before sowing. Enormous blooms carried on spikes above broad leaves of green or bronze, makes a beautiful tropical effect in the garden. See page 63 for roots. Pkt., 10c; ½ oz., 30c; oz., 50c.

the EVER GREEN Kills Plant Insects

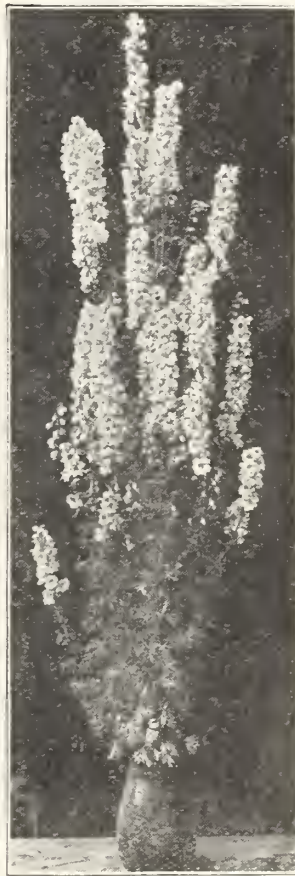
EFFECTIVE against Cucumber and Melon Beetles, Cabbage Worms, Rose Slugs, Aphids, Leaf Hoppers, and most other plant insects including cutworms.
NON-POISONOUS — EVER GREEN is harmless to man, live stock, birds and pets. Kills only insects. Eliminates washing of fruits and vegetables before marketing.
NON-INJURIOUS — Won't burn or injure the tenderest crops. Can be used on celery and roses. Doesn't injure the soil in any way.
NO DETERIORATION — When undiluted, EVER GREEN retains its strength indefinitely.
WON'T GUM SPRAYERS — Has no injurious effect on metal or rubber. Sprayers can't get clogged, for EVER GREEN stays in solution.

LIST PRICES

1 oz. bottles.....	\$ 0.35
6 oz. bottles.....	1.00
16 oz. bottles.....	2.00
32 oz. bottles.....	3.85
1 gal. bottles.....	13.00

Being Non-Poisonous Ever Green Can Be Sent Through the Mail.

LARKSPUR



A New Group of Annual Larkspur
Giant Imperial or Spire. This is the group of Larkspur that has the base branching habit and grows its stalks as the cut above shows. Particularly nice for the garden and especially select for the florists for indoor forcing. Offered in the following separate colors only.

- White Spire.
- Lilac Spire.
- Blue Spire.
- Exquisite Rose.
- Exquisite Pink.

Pkt. each of any variety, 15c; ⅛ oz., 50c; ¼ oz., 90c; ½ oz., \$1.60; oz., \$3.00.

Annual or Double Larkspur. These are very effective in borders and planted amongst shrubs. The spikes of bloom are very desirable for mixed bouquets. They continue flowering over a long period. Sow seed in the open ground either in the late fall or early spring so that germination might take place as early in the spring as possible. Pkt., 10c; ½ oz., 40c; oz., 75c.



Salpiglossis (Painted Tongue). (2½ ft.) This is one of the most attractive annuals and should be in every garden. The blossoms one might say are Petunia shaped but each flower is veined with a trace of gold and is the only one we know of possessing this odd characteristic. The blooms are beautifully marked in all shades of yellow, pink, brown, purple, wine, etc. No annual garden complete without them. Pkt., 10c; ¼ oz., 25c; ½ oz., 45c; oz., 90c.



Nicotiana, Sanderae Hybrids. (2 ft.) One of the easiest annuals to raise and very attractive in the garden. The blossoms are not unlike Petunia in shape, but have a much longer tube. The flowers open late in the afternoon and the fragrance at that time is very strong. All colors mixed. Pkt., 10c.



GYPSOPHILA

Elegans Grandiflora Alba (Angel's Breath). (2 ft.) An improved large flowering pure white annual. Particularly nice for mixing in bouquets. Several plantings should be made during the spring to keep up a steady supply of blossoms. Pkt., 5c; ½ oz., 20c; oz., 35c.

Paniculata Flora Plena (Baby's Breath). (2 to 3 ft.) This wonderful perennial flower, blooming in July and August, is particularly desirable for mixing in bouquets. It is of the double type (about 25% come true double). Its tiny white balls of petals are much more beautiful than the old type single. Do not disturb after established. Pkt., 10c.



Anchusa (Capensis). This hardy annual grows about 2 feet tall, and is of extraordinary beauty. It branches freely and bears a profusion of pretty flowers resembling the Forget-me-not; however, the blooms are larger and of finer color. Blooms early and continues all summer. Pkt., 10c.



Sweet William (Dianthus Barbatius). A grand and a very well known and exceedingly beautiful class of hardy perennials. The massive trusses of brilliant and dazzling flowers are a magnificent sight to behold.

Single Mixed. Pkt., 5c; 1/2 oz., 25c; oz., 45c.
 Double Mixed. Pkt., 10c; 1/4 oz., 35c; 1/2 oz., 60c; oz., \$1.00.
 Double and single choice mixed all colors. Pkt., 7c; 1/2 oz., 40c; oz., 75c



Mignonette (Reseda). (18 in.) No annual flower garden is complete without this very fragrant flower in it. While the flower is not particularly beautiful it is very remarkable in odor. This is used extensively by bee keepers as a honey-producing plant. Pkt., 5c; 1/2 oz., 15c; oz., 35c; 1/4 lb., 85c.



Double Clarkia. (2 ft.) An easily grown annual which has gone through decided improvements in recent years. This pretty flower will do well either in the sun or shade, growing 2 to 2 1/2 feet tall. Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 30c; oz., 50c.



Escholtzia (California Poppy). (1 ft.) Beautiful free flowering annual variety of poppy-like blooms. Yellow, orange, and red. Thrives in any garden soil. Pkt., 5c; 1/2 oz., 30c; oz., 50c.



Wallflower (Goldlack). (1 1/2 ft.) Wallflowers are not as well known as they should be. Particularly adapted to pot-culture and outdoor bedding. The oriental coloring of rich reds and yellows with a delightful sweet fragrance make them particularly desirable. Grown easily and the cut flowers last a long time. Not hardy in the Northern states. Pkt., 10c.



Physalis, Franchetti (Chinese Lantern Plant). A perennial whose flowers are not very interesting but is grown for its balloon-like husks that cover the seed pod. These are a bright red when ripe and resemble Chinese Lanterns. The plant grows about 1 1/2 feet tall. Pkt., 10c.



Cyclamen. One of our most beautiful and prized house plants, with beautiful foliage and richly colored flowers. They may be successfully grown with a little care and patience, transplanting as the plant develops. Do not attempt to grow this out of doors. Extra choice exhibition mixture. Pkt., 15c.



Cobaea Scandens. (25 ft.) One of the most beautiful and rapid growing climbers. With very large purplish lilac bell-shaped flowers. It is a very rapid grower, and consequently is well adapted during our summers to the warmest and the sunniest situations out of doors. The seed should be sown edge-wise. Pkt., 10c.

ANNUAL FLOWER GARDEN MIXTURE

Sow broadcast where wanted to grow

This is a compounded mixture of annual flower seeds that will do well with a minimum amount of care. There are 25 to 30 varieties of flowers in this mixture. The blooming season covers the entire summer and fall, providing a generous amount of flowers until they are killed by frost. Primarily this mixture was gotten up by us for large spaces where people wish to cover an ill-kept piece of ground. It has now been refined to the point where it can be used either in a small space or it can be purchased in quantity to take care of a large tract. We are positive that this will please you and surprise you. Sold only in the amounts hereafter specified.

Large pkt. 10c
 1 oz. 35c
 1/4 lb. \$1.25



Chinese Primrose (Primula Sinensis). A very charming and profuse flowering plant. Is indispensable for winter and spring decoration in house and conservatory. Florists have great demand for them. Fine European selection. Mixed. Packet, 10c.



Oxalis. (4 to 6 in.) A beautiful little flower for edgings or pots, also to be used in hanging baskets, carries a profusion of flowers all summer. Flowers are pink, yellow and white, foliage a dark bronzy green. Pkt., 10c.



Lantana. (2 ft.) Charming plants, with brilliant rosettes of blossoms, in all the various hues of pinks, purples, orange, etc. Is excellent either for house culture or open ground. Remarkable for their free flowering. Constantly changing their color. Mixed, pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 90c.



Castor Bean (Ricinus Zanzibarensis). (10 ft.) Ornamental foliage; stately growth; showy fruit; gives a tropical appearance. Give a warm, sunny situation. Large varieties, mixed. Pkt., 5c; oz., 25c.



Cineraria. A well known favorite and free-flowering plant for the Home and Greenhouse. They may be had in splendid bloom, through the greatest portion of the year. Very easily grown. All large-flowering sorts. Mixed. Packet, 10c.



Thunbergia (Black-eyed Susan). (4 ft.) A profuse flowering annual of trailing habit. Colors all shades of yellow and orange to pure white, with jet black centers or eyes. Mixed, pkt., 7c.



Double Dahlia. One of our best summer and fall flowering plants. Blooms the first year if started early. Protect the roots in a dry cellar during winter. It is in its greatest glory at the time so many others are fading. All the finest. Mixed. Packet, 10c.

See Page 61 for Dahlia Roots



Linum (Blue Flax). A very dainty perennial, bearing flowers continuously during the flowering season. The plants grow 24 inches high, having a lacy foliage. Pkt., 10c.



Cactus. Very curious, odd looking, strange species of plants which will thrive anywhere with little or no care. But little watering is required. The flowers are of exquisite beauty and delicious fragrance. Expressions of wonder and admiration greet them. All mixed. Packet, 10c.



Double Daisy (Bellis Perennis). (6 in.) A well known plant, being perfectly hardy, therefore desirable for flower borders in which it will last for many years, if left undisturbed. Finest double mixed. Pkt., 10c.



Gloxinia. Superb variety of finest green-house plants, producing in greatest profusion, the most splendid, lovely, beautiful flowers, of the richest and most beautiful colors of our valuable house plants. Finest varieties, mixed. Packet, 15c.



Four o'Clocks. (Marvel of Peru) (2 ft.) An old fashioned flower of bushy habit. Flowers of white, yellow, violet and crimson, borne in great quantity all during the summer. This makes a very attractive hedge plant. The glossy foliage dotted with hundreds of flowers make an attractive sight. All colors mixed. Pkt., 5c; oz., 25c.



Sensitive Plant. (1 ft.) An attractive annual grown as a curiosity. Decidedly a race of curious plants, from the fact that when slightly touched, its leaves close sensitively, hence name. Pkt., 5c; ½ oz., 20c; oz., 35c.



Ice Plant (Mesembryanthemum). (6 in.) A singular plant of spreading habit, and very effective in beds, rockwork, or hanging baskets, etc. The plants have a peculiar icy foliage, and the sun gives to them the appearance of being covered with icy crystals. The flowers are white and pink. 10c.



Adlumia (Cirrrosa). (15 ft.) Very fine hardy climber; foliage like the Maiden Hair Fern. Also called Mountain Fringe, or Alleghany Vine. Delicate pink flowers. Pkt., 10c.

Love Lies Bleeding (Annual). Has long drooping panicles, or fine chains of flowers; very attractive, giving a garden an imposing, graceful appearance. Well adapted to any soil, location or climate. Pkt., 10c.



Calceolaria (Pouch Flower). The remarkable beauty of this flower makes it indispensable for greenhouse decoration. Blossoms are borne in great profusion in beautifully spotted and tigered colorings. Choicest varieties, all colors mixed. Pkt., 15c.





Double White Feverfew. (30 in.) A very handsome, and a free flowering plant, succeeding in any soil. Is fine for both the house, and the open ground. Finest imported, pure double white, which will produce the most beautiful display of any herbaceous plants. They make beautiful bouquets, and can be grown almost anywhere. Pkt., 10c.



Geranium. These flowers have no rivals for bedding or window boxes. They grow readily from seed the first year producing blooming plants the first summer providing the seed is started early in the house. All choicest varieties mixed. Pkt., 10c.

Canary Bird Flower. (15 to 20 ft.) The popular name given this pretty annual alludes to its supposed resemblance to birds with wings expanded. Valuable trailer and climbing vine. They bloom all the summer and fall. It grows well in any warm, sunny situation. Easily trained to run in any direction you desire. 10c.



Trumpet Creeper. (15 to 20 ft.) Rapid growing, and hardy climbing vine; covered in summer and fall with great, large clusters, which present beautiful masses of bloom. Pkt., 10c.



Glory Pea (*Clianthus Dampieri*). Also known as the Glory Pea of Australia. This beautiful annual grows about 2 feet tall and has beautiful clusters of bright red flowers with a black spot, the beauty is enhanced by a foliage that is very neat. Pkt. of 15 seeds, 20c.



Helipterum (*Sanfordii*). (18 in.) A beautiful everlasting; fine for summer blooming and for winter bouquets. Is splendid for borders. Hardy annual, and is a native of Australia. Mixed colors. Pkt., 10c.



Saffron. Pretty orange flowers which deserve a place in every garden. Flowers useful in medicine. Pkt., 5c; oz., 25c.



Ipomopsis (Tree Cypress). A handsome plant with a fine feathery foliage like Cypress Vine. It has long spikes of very beautiful, dazzling scarlet fine spotted flowers. Will thrive in any soil. Pkt., 7c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 60c.



Rhodanthe. (18 in.) A delicate charming everlasting. Requires a light, rich soil in a warm, sheltered garden spot. Beautiful for winter bouquets. Mixed. Pkt., 10c.



Fuchsia. A well known greenhouse plant that will bloom the first year if planted early. Seed cannot be sown in the open ground. Double and single mixed. Pkt., 20c.



Cypress Vine (*Ipomoea Quamoclit*). (10 ft.) For a climbing annual on a light trellis Cypress Vine cannot be excelled. It has finely cut foliage with scarlet and white starred blossoms and it is particularly ornamental. Pkt., 10c; 1/2 oz., 20c; oz., 35c.



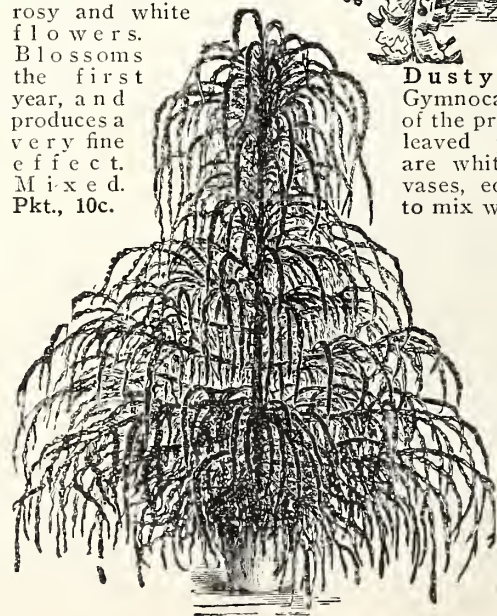
Lophospermum Climbing Foxglove. This is an annual of climbing habit, about 10 feet, it has Fox-glove-like blossoms in pink. Particularly beautiful for the effects given. Pkt., 15c.



Agrostemma (*Coronaria*). (1 ft.) Attractive, hardy perennial of easiest culture, produces immense amount of rosy and white flowers. Blossoms the first year, and produces a very fine effect. Mixed. Pkt., 10c.



Dusty Miller (*Centaurea Gymnocarpa*). (1 1/2 ft.) One of the prettiest of ornamental leaved plants. The leaves are white and beautiful for vases, edgings, ribbons, and to mix with cut flowers. 10c.



Fountain Plant (*Amaranthus Salicifolios*). (3 ft.) A beautiful annual, peculiar in form and color. The foliage is willow leaved, shaded with orange, bronze and crimson. Very interesting, plants growing readily. About 3 feet high. Pkt., 10c.

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The Amateur Gardener's Handbook
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A guide book to daily operations, covering the flower, vegetable and fruit garden. The great majority of the questions asked are bona fide.

Outstanding Features of the Book: A thorough and complete calendar of operations; Lawns, Walks and Paths; Rock Gardens, Water Gardens, and Bedding Plants; Soils and Fertilizers, Insects and Diseases, with up-to-date information on spraying of fruit, flowers, and vegetables; Hardiness and Transplanting, Propagation, Plant Breeding, Crossing Technique, Annuals, Perennials; Bulbs and Roses, including notes on Lilies, etc.; Fruits, Vegetables, Hotbeds and Coldframes; Evergreens, Shrubs, Trees, Tree Surgery; Show and Judging Scales; Care of Cut Flowers, House Plants; practical notes on the construction of a pool; useful information to do one's own tree surgery; enough information so that one can breed plants. The book contains 320 pages and is copiously illustrated. A beautiful four-color plate adorns the cover.

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Hyacinth Bean (Dolichos). (10 ft.) Beautiful annual climbing plant with elegant flowers, and the prettiest seed-pods, being a beautiful purple, shining as though freshly varnished. Pkt., 5c; oz., 25c.



Venus' Looking-Glass (Campanula Speculum). (12 in.) Is a neat, hardy, free flowering class of plants blossoming the first year, and for every season thereafter as a perennial. Flourishes nicely in any of our most common garden soils. Pkt., 10c.



Double Sanvitalia (Procumbens flora plena). (6 in.) An annual plant, prostrate in growth and spreading over the soil. Literally covered with tiny golden-yellow Zinnia-like flowers, with dark purple centers. Some of them are single and others double. Start blooming in June and continue until killed by freezing. Desirable in rockeries and edging. Pkt., 10c.



Evening Primrose (Oenothera). (1½ to 2 ft.) An annual plant of easy culture. It is a delight, in the evening, to watch this plant and see the calyx drop and unfold their petals, at which time they emit a sweet perfume. The blooms are large saucer-shaped flowers, white or golden yellow. Mixed. Pkt., 10c.



Adonis (Pheasant Eye). An early blooming annual plant growing about 1 ft. high. Very pretty foliage and brilliant deep crimson flowers. Especially desirable for mixing in bouquets. Pkt., 7c.



Collinsia. A free flowering hardy annual, growing 18 inches high. The plants grow in clumps and flowers grow in great profusion in rows around the stalks. All colors mixed. Pkt., 10c.



Golden Bartonia. (12 in.) One of the showiest annuals desirable for beds and borders. Producing golden yellow flowers. The foliage is thistle-like and gray. Very striking in the sunshine. Plant the seed where wanted in the garden, as they will not stand transplanting. Pkt., 5c.



Lobelia. This charming plant forms a compact bush about 6 inches high that is practically covered throughout the season with dainty blue flowers. Very desirable for edgings, ribbon bedding and general garden culture, also can be used for pot culture. They flower the first season from seed. Pkt., 10c.



Ammobium. (2½ ft.) Another Everlasting. Pure white, grows freely in any garden soil. Very showy in borders where pure white is desired. Pkt., 5c.



Lychnis (Jerusalem Cross). (2 ft.) A hardy perennial blooming from June to August flowers that are of a very fiery red. Will blossom the first year if sown early. Pkt., 10c.



Musk Plant. (10 in.) (Mimulus Moschatus.) A very interesting house plant; very fragrant-musk scented leaves. Blooms are yellow. Pkt., 15c.



Balloon Vine (Cardiospermum). (10 to 15 ft.) A pretty and rapid growing climber, remarkable for its inflated membranous capsule or inflated seed-pod, from which it is sometimes called Love-in-a-puff. Produces the finest effect when grown on a small bush or trellis. Pkt., 10c.



Scarlet Runner Pole Beans. A variety of bean that we are listing with the flower seeds, as they are worthy of consideration in this department. Rapid growers with clusters of dazzling scarlet flowers. Beans make a very desirable shell variety for table use. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c.



Anemone (Wind Flower.) Beautiful hardy perennial which blossoms very early in the spring. Large attractive blooms of a great variety of colors, fine mixed. Pkt., 10c.



Abutilon. (2 ft.) Large flowering (Flowering Maple.) An easily grown flower for indoor use, can be set out of doors in the garden during the summer. Leaves are very ornamental and often variegated. Flowers are bell-shaped, borne the year round indoors. Very interesting and beautiful. Pkt., 15c.



Passion Flower (Passiflora). (10 to 15 ft.) Hardy and handsome climber, grows rapidly, blooms freely, rivals most vines in size, color and a profusion of blooms. Surpasses many in growth and sweet fragrance. Pkt., 10c; ½ oz., 30c; oz., 50c.

Spencer Sweet Peas



Lady Gay

Early Flowering Spencer

This early strain of Spencer Sweet Peas is a delightful acquisition in the garden, as they augment the other type in giving an earlier period of blooming. This is the strain for growing under glass by the florists. The five varieties we are herewith offering are the very newest strains that can be offered as they are all introductions of 1930.

Lady Gay. The most beautiful color in its class that has been introduced—a delightful shade of soft shrimp pink. In addition to its beautiful coloring its clear, fresh, crisp appearance immediately appeals to all who see it. Four blooms on long stiff stems and an excellent grower in the greenhouses. A 1930 introduction. Pkt., 20c; ¼ oz., 60c; oz., \$1.90.

Peaches. A new shade of apricot-rose, with a touch of lemon in the keel. This is a popular variety under glass as well as in the garden. Extra long stems carrying four large blooms. A magnificent variety. Pkt., 20c; ¼ oz., 60c; oz., \$1.90.

Blue Bonnet. This is a new extra fine deep blue, the color is evenly distributed without the slightest trace of mauve. By comparison with other blue varieties this one has no superior. Extra large blossom carrying four to very long stems. Pkt., 15c; ¼ oz., 35c; oz., \$1.25.

Majestic Rose. Another new early flowering variety. In strength of growth, length of stem, size of bloom, this deep brilliant rose-pink Sweet Pea has no superior. Pkt., 20c; ¼ oz., 60c; oz., \$1.90.

Valencia. The very finest bright orange, sun proof variety. A strong grower, large blossoms, throwing three and four on extra long stems. Pkt., 15c; ¼ oz., 35c; oz., \$1.25.

Mary Pickford. A beautiful dainty cream pink with a faint suffusion of salmon making a delightful color combination hard to surpass. Flowers beautifully frilled, usually 4 to each stout stem. Pkt., 10c; oz., 35c.

Miss California. A distinct shade of rich salmon pink with standard and wings of precisely the same tone. The individual flowers are large and are borne in sprays of four on long, stout stems. Pkt., 10c; oz., 35c.

Crimson King. In color this outrivals all other crimson sweet peas. A rich solid clear crimson, stems average 16 to 18 inches long, bearing 3 or 4 large fine blossoms. Pkt., 10c; oz., 30c.

Mrs. Tom Jones. A deep amethyst blue in color. Beautifully waved flowers are very large and are borne on stems generally 4 to a spray. Pkt., 10c; oz., 30c.

Campfire. The brightest, clearest and distinctly sunproof of all scarlet varieties. Flowers of fine size borne in profusion on plants of great vigor. Pkt., 10c; oz., 30c.

The Spencer Strain are the most beautiful in size, shape, color and fragrance of any of the Sweet Pea family. Flowers are borne abundantly all thru the summer. The more they are picked, the better they will bloom.

The following varieties are the outstanding creations within the last few years.



Crimson King

SUPERFINE MIXTURE OF SPENCER SWEET PEAS. We have not spared expense or effort to secure the finest stocks of Sweet Peas and now offer a super blend that cannot be surpassed. This is made up entirely of the Spencer strain. The planting stock contains over 40 varieties including many of the named varieties we are listing. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75.

King White. The king of all white Sweet Peas. The flowers are of gigantic size and perfect in finish. Absolutely pure white. Pkt., 10c; oz., 30c.

Austin Frederick Improved. A most pleasing shade of lavender. Flowers are of the largest size and are borne 4 to a spray on long stiff stems. Pkt., 10c; oz., 30c.

Doreen. Large rose earmine flowers. Because of its brightness it is very popular. Vigorous grower, bearing flowers of fine form on long strong stems. Pkt., 10c; oz., 30c.

Hawlmarch Cerise. A beautiful bright salmon cerise, shade is specially affected under artificial light. Should be included in every collection. Pkt., 10c; oz., 30c.

ECKFORD'S HYBRID LARGE FLOWERING SWEET PEAS

This is a very interesting strain of Sweet Peas, as they come in mottled and speckled colors as well as the clear tones. They make up beautifully in bouquets. Pkt., 7c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50.

CULTURE

In the growing of Sweet Peas, plant them where they will get the morning sun only; by that we mean up to noon. In the preparation of the seed bed a trench should be dug about a foot deep, placing, if it is obtainable, about 4 inches of well rotted barnyard manure in the trench, covering this with about 3 inches of black dirt, then sow the seed, after soaking them over night, cover about 2 inches; after they have come through keep covering up until the trench is entirely filled. We also advise the use of NITRAGIN as an inoculator; this will bring about more luxurious growth and much heavier blooming. DO NOT train Sweet Peas on wire or chicken netting; this becomes too hot and will burn the tendrils of the plants and they will either be dwarfed or killed. Train them on brush or strings and your result will be much better.



Miss California

Reflection. This is the outstanding novelty in Sweet Peas for 1929. "Reflection" is a great improvement in the clear blue section in Sweet Peas. It is the result of a cross made for blueness and vigor. It is a robust grower with long, stout stems, usually having 4 well placed flowers on each. The flowers are bold, nicely waved, of large size and clear blue with only a slight trace of mauve in the young bud. Pkt., 15c; oz., 75c.

Pinkie. A rich deep rose-pink. It is a result of a cross made for vigor and color and the result is most outstanding. "Pinkie" is larger than any other variety we have ever seen blooming in the deep pink section. This is the outstanding novelty of 1928. The flowers are nicely waved and well placed on the stems. Pkt., 10c; oz., 50c.

Purple Monarch. This is a large, vigorous growing, purple Sweet Pea, the color is just a little deeper than the so-called Royal shade and the flowers have a beautiful velvety sheen. The flowers are large, well waved, and borne on long stems. The veins are vigorous and produce a wealth of fine blossoms. Pkt., 15c; oz., 75c.

Ravenswing. A very deep black maroon Sweet Pea, and for depth of color it is quite remarkable. This variety is a strong grower and the flowers are borne on good stout stems. Pkt., 15c; oz., 75c.

Prince of Orange. A large, very deep orange variety. When well grown and shaded it is a luminous flame color. It is a deeper, richer and more brilliant orange than any other variety of this class. Blooms nicely, waved and well placed on good stems. Pkt., 10c; oz., 50c.

Sunkist. The ground is a clear rich cream and the picotee edging is clearly and cleanly defined. The flowers are large and bold, well waved and beautifully placed on good stout stems. Pkt., 10c; oz., 50c.

Wembley. A large light blue lavender, beautiful flower in form and shade. A vigorous grower. Makes a charming combination with pink and blue varieties. Pkt., 10c; oz., 30c.

Hebe. A fine large rose pink. Popular not only for its lovely clear color but on account of its vigorous growth and unusually long stout stems. Recommended for all gardens and exhibition. Pkt., 10c; oz., 30c.

1 pkt. each of the 17 varieties, \$1.50, or 1 oz. each of the 17 varieties for \$5.25.



When ordering, specify for
Sweet Peas
Garden Size, 25 Cents

Shumway's Selection of Dahlias



Informal Decorative Dahlia

Decorative Type

F.D. (Formal Decorative)—In.D. (Informal Decorative)

Amun Ra. (The Sun-God.) (F. D.) A gigantic flower. In color a blending of copper and bronze with orange and gold tints. This is one of the most sensational of the new Dahlias. The flowers keep for a long time when cut and last for an exceptionally long time when left on the plant. Each, 75c.

Aztec Glory. (In. D.) Clear picric yellow, deep massive flowers of most artistic formation carried on strong erect stems. Each, \$1.50.

Bashful Giant. (In. D.) An extremely large blossom, apricot in color, shading to a golden yellow. This variety is an excellent one for exhibition purposes. Each, 75c.

City of Trenton. (In. D.) It is impossible to adequately describe this Dahlia as far as its color tones are concerned. As near as we can do so, it is a glowing tangerine with the reversed side of the petals a crushed strawberry red. The petals curl gracefully giving a two toned effect and creating an impression of whirls or tongues of flame radiating from a full center. Without difficulty, but by proper disbudding this variety can be grown to 12 inches in diameter. Each, \$2.50.

Dr. John Carmen. (F. D.) One of the new prize winning decorative type Dahlias, blossoms 10 to 11 inches across. Its color is tyrian rose, tipped silver. This is one of the outstanding Dahlias for exhibition purposes. It being new, the supply is very short. Each, \$5.00.

Elizabeth Slocombe. (F. D.) Brilliant purplish-garnet in color. Immense flowers are produced on exceptionally long stiff stems, making it very desirable for cutting and exhibition purposes. This is the largest and best of its color. Each, 75c.

Jane Cowl. (In. D.) A deep massive bloom of bronzy-buff and old gold blending darker towards the center. Blossoms are 9 to 10 inches across. Strong stems hold this giant flower upright. This variety with its unique color is sure to please and take prizes wherever shown. Each, \$3.00.



Cactus Type Dahlia

THE following varieties shown in their respective classification were chosen as the outstanding varieties in our field planting of over 100 selected varieties.

Dahlia Culture. Dahlias will thrive in almost any soil, they grow their best, however, in a sunny location. Prepare the plot designated for Dahlias by spading 12 to 18 inches deep. If the soil is rather heavy add a shovelful of sand or wood ashes. Set the Dahlia tuber in a hole prepared about 5 to 6 inches deep with the eye up, cover three inches, then, as the plant shows growth, keep covering up until the soil is level. Always plant divisions, never the clumps. In separating the Dahlia clumps be sure that a part of the neck which attaches to the old stalk is taken, this part should contain an eye or two. NEVER USE FERTILIZER AT PLANTING TIME.

When the Dahlias begin to bloom fertilizer may be applied, particularly one strong in potash. Water well at least twice a week. Disbudding, by that we mean to pinch off the smaller buds, allowing one to the laterals, this will produce larger blooms.

Plant Dahlias After All Danger of Frost Is Past

DAHLIAS AS A CUT FLOWER

The Dahlia makes one of the ideal cut flowers if handled in the following manner. Cut early in the morning and hold the end of the stem in boiling hot water for 1/2 minute or burn over a flame for the same period; then place the blooms in a container of ice cold water extending over half way up the stem. Allow them to remain in this manner for two hours, then arrange in bouquets as you may desire. Change water daily. Cut Dahlias so cared for will hold up for 5 days to a week.

Elite Glory. (F. D.) A rich, red decorative Dahlia which can usually be found with the prize winners. The blooms are massive with good substance on strong stems. Each, \$1.25.

Jersey's Beacon. (F. D.) The color is Chinese scarlet with a buff reflex, giving a two tone effect. This is a free, early bloomer of massive proportion with sturdy stems, blooms 9 inches across, Each, 75c.

Jersey's Sovereign. (In. D.) Blossoms 7 1/2 inches in diameter. A variety that deserves space in any collection. A beautiful shade of salmon-orange, good grower and early bloomer. Each, 75c.

Millionaire. (In. D.) A very large bloom, 9 inches across. Lavender-pink tinting to white at the center. Each, 50c.

Mrs. I. de Ver Warner. (F. D.) This is one of the best known of the recent introductions. A refined mauve-pink in color. Beautifully formed and carried on long strong wiry stems. An excellent producer of quantities of blooms, continuing until the end of the season. We consider this one of the best in its color. Each, 50c.

Oregon Beauty. (F. D.) A variety of remarkable size and beautiful coloring, oriental red with golden sheen and garnet suffusion, this making it stand out very prominently in the garden. Each, 50c.

Patrick O'Mara. (F. D.) This is one of the freest bloomers and one of the old standbys for cut flowers. A pleasing shade of orange-buff slightly tinged with rose-pink. Each, 50c.

Paul Michael or California Gold. (In.D.) Blossoms 10 inches across. This variety has been awarded a prize twice for the largest Dahlia in the California shows. In color it is a rich pure gold or deep orange. It is an early and continuous abundant bloomer. The plants are strong and of medium height. Ideal for the garden. Each, 75c.

Katherine Wilcox. (F. D.) One of the largest blooms of this type. Beautifully quilled, claret red at the tips with the quills toward the base pure white. This is one of the most uniform varieties and very fine for cut flowers. Each, 35c.

Robert Treat. (F. D.) Blossoms 9 inches across. This Dahlia is similar in color to the American Beauty Rose. Flowers are produced freely on long erect stems. A strong, healthy grower. Each, 75c.

Roman Eagle. (F. D.) Blossoms 10 inches across. A winner in the shows. An uncommon autumn shade of burnished-copper. Each, \$1.25.

Cactus and Hybrid Cactus

California Beauty. (Recurved Cactus.) Blossoms 7 inches in diameter, pure copper in color. This variety is one of the best as a cut flower, stems are excellent. Each, 50c.

Elsie Daniels. Large blooms of extraordinary color, a pale violet-orchid with white wavy center petals. The blooms are carried on long strong stems. Each, 75c.



Formal Decorative Dahlia

Emma Marie. A pleasing shade of clear pink with a creamy white center. It is a robust grower producing deep full centered blossoms. Each, 75c.

Mrs. Edna Spencer. A popular Dahlia with excellent keeping qualities. Its color is pale lilac shading lighter in the center. The flowers are produced profusely on erect stems. Each, 35c.

George Walters. (H. C.) A Dahlia of gigantic size, the largest of this type. Its color is a beautiful shade of salmon-pink artistically blending to old gold; produced on long stems well above the foliage. Each, 75c.

Kalif. (H. C.) A rich deep glowing scarlet, majestic flower, perfect for exhibition or garden purposes. This variety is one of German importation. Each, 50c.

Louise Slocombe. (H. C.) A deep rose overlaid amaranth pink with a silvery sheen. An early and continuous bloomer producing large flowers abundantly. The stems on this variety are often 10 to 18 inches long and very stiff. A recommended variety for cut flowers. Each, \$1.00.

Tom Lundy. (H. C.) An excellent bloom of the darkest maroon, good stems and lasts well after cutting. Each, 50c.

Show Fancy Dahlias

A. D. Livoni. A beautiful soft pink with perfectly quilled petals. Each, 25c.

Maude Adams. A very profuse bloomer carrying the blossoms on good stems. The color is a pure snow white overlaid with a well defined delicate pink. Each, 35c.

Storm King. Pure white and a very free flowering variety. Blossoms early and continues throughout the season. The flowers are produced on strong stems. Each, 30c.

Anna Rehorst. A beautiful show Dahlia of rich purple in color carried on a strong stem. Each, 30c.

Miss Ellen Hollis. Large, bright red with uniformly quilled petals. One of the best, always full at the center. Each, 30c.



Show Dahlia

ALICE TIPLADY

Orange, a beautiful bloom. Each, 7c; ½ doz., 35c; doz., 65c.

ANNA EBERIUS

Deep velvety purple, throat Bordeaux purple. Flowers carried on strong stems. Each 10c; ½ doz., 55c; doz., \$1.00.

ARIZONA

Dark pink, maroon markings on lower petals. Each, 7c; ½ doz., 35c; doz., 65c.

***A. W. HUNT**

Large flowers well placed on a tall stalk. This is the best orange-red variety. Each, 12c; ½ doz., 65c; doz., \$1.25.

BARON JOS. HULOT

Deep violet blue, lighter lines in throat. Each, 10c; ½ doz., 50c; doz., 90c.

***BENGAL TIGER**

A peculiar dull red, with dusky, bluish-gray stripes; a very striking variety. Each, 15c; ½ doz., 70c; doz., \$1.35.

BLUE JAY

Large flowers of bright blue with pure white spots in the throat. One of the bluest of "glads." Each, 12c; ½ doz., 70c; doz., \$1.25.

***BYRON L. SMITH**

Lavender pink, delicate yellow blotch on lower petals. One of the finest gladioli. Each, 10c; ½ doz., 45c; doz., 90c.

***CAPTAIN BOYNTON**

A beautiful lavender with deeper shade blotch on lower petals; perfectly placed large flowers on tall strong stems. One of the wonder Gladiolus. Each, 12c; ½ doz., 70c; doz., \$1.25.

***CARMEN SYLVA**

Snow-white, large flowers well placed on a perfectly straight tall stem. An extra fine cut flower variety. Each, 10c; ½ doz., 50c; doz., 90c.

CATHRINA

Beautiful grayish light blue, lower petals deeper blue with brownish red spot. Each, 10c; ½ doz., 55c; doz., \$1.00.

CHATEAU THIERRY

A fine spike with enormous wide open scarlet-red flowers, with carmine stripe on creamy ground on lower petals. Each, 12c; ½ doz., 65c; doz., \$1.25.

DEUTCHLAND

A beautiful pink with a fiery crimson blotch; spikes are large and wiry, carrying the blossoms well arranged on the stalk. Each 12c; ½ doz., 65c; 1 doz., \$1.25.

CONSPICUOUS

A beautiful blue variety with yellow throat, the individual blooms remind one of a blue pansy. Each, 12c; ½ doz., 60c; doz., \$1.10.

CRIMSON GLOW

Brilliant crimson, extra large flowers, tall spike. Each, 10c; ½ doz., 50c; doz., 90c.

***CRINKLES**

A strong vigorous grower, deep peach blossom pink, intensely ruffled petals. Words fail to give proper description. Each, 20c; ½ doz., \$1.10; doz., \$2.00.

***DIANA**

Considered by Gladiolus fanciers the best red up to the present time, it is a rich bright red and a bloom of exceptional quality. Each, 15c; ½ doz., 75c; doz., \$1.35.

DISTINCTION

Dark violet, very tall spike. Each, 10c; ½ doz., 45c; doz., 80c.

***DR. F. E. BENNETT**

Peach-red overlaid with flame-scarlet, throat speckled with ruby and creamy-white. Very large flowers of great substance, many open at one time on strong stalks. A very sturdy grower. Each, 20c; ½ doz., \$1.10; doz., \$2.00.

Gladiolus Bulbs

See Inside Back Cover for Color Reproductions



MR. W. H. PHIPPS GLADIOLUS



MARTHA WASHINGTON

The Newest and Rarest Gladiolus

Betty Nuthall. This variety is mentioned by some as being the glory of the garden. The plants are tall and vigorous, bearing long graceful stalks. The color is new to the Gladiolus—light coral with pale orange throat and a feathering of carmine. The individual flowers are often 6 inches across. Often 8 blooms open at one time. Each \$1.00; 3 for \$2.75.

Edith Mason. A beautiful delicate geranium-pink well arranged on a spike 5 feet tall, the petals are slightly recurved. 8 to 12 blossoms open at one time. In addition to being a Gladiolus of exceptional merit it is very early. Each 50c; 3 for \$1.35.

Marmora. An interesting Gladiolus of the most unusual color, lavender-gray with petunia colored blotch; the arrangement on the stalk is perfect, 8 or more blossoms at one time. Each \$1.00; 3 for \$2.75.

Mrs. Von Konynenburg. An introduction from Holland. This variety comes nearest to a true blue of any Gladiolus grown. A robust grower with 6 to 7 flowers open at one time. Each 75c; 3 for \$2.00.

Pearl of California. This is one of the finest of the new Gladiolus. Flowers of great size of a beautiful clear La France pink. Specimens have been seen with 12 open flowers and 20 buds on the same spike. Each 75c; 3 for \$2.00.

Tawney. A Gladiolus of most unusual coloring, an outstanding flower. A silky clear rose-apricot with pale rose-violet at the edges with stamens and pistils white. This variety is certainly a departure in coloring and is very rare. Each \$6.50.

***EARLY SUNRISE**

Deep orange-salmon with yellow blotch on lower petals; very early. One of the most beautiful in this color. Large blossoms. Each, 10c; ½ doz., 55c; doz., \$1.00.

***E. J. SHAYLOR**

A beautiful deep rose-pink; one of the best ruffled varieties. An excellent cut flower, many blossoms open at one time. Each, 10c; ½ doz., 45c; doz., 80c.

FRANCIS KING, MRS.

Salmon red, a fine flower. Each 8c; ½ doz., 35c; doz., 65c.

***FAIR COLUMBIAN**

Tall, vigorous plant with large, fine, showy lilac blossoms with deeper colored throat. Each, 12c; ½ doz., 60c; doz., \$1.10.

***FERN KYLE**

Large ruffled creamy-white flowers, many blossoms open at one time on a long strong stem. A highly refined variety. Wherever shown it has brought expressions of wonderment. This variety was introduced at \$25.00 per bulb, now offered at 20c each; ½ doz., \$1.10; doz., \$2.00.

***GIANT NYMPH**

Light rose-pink with creamy yellow throat; very large wide open flowers, well arranged on long stems, grows 5 to 6 feet tall. Each, 12c; ½ doz., 70c; doz., \$1.25.

***GOLDEN MEASURE**

The best yellow variety, very large, deep golden in color with the blooms slightly ruffled. This variety grows exceptionally tall. Each, 12c; ½ doz., 70c; doz., \$1.25.

HERADA

Large blooms on a tall straight spike. Pure mauve as main color with lavender and lilac markings. Each, 10c; ½ doz., 45c; doz., 80c.

***IONIA**

A creamy yellow suffused with pink which makes it a beautifully toned variety. A very tall spike carrying the blossoms beautifully placed. Each, 12c; ½ doz., 70c; doz., \$1.25.

***JOE COLEMAN**

An outstanding large rich red Gladiolus, ruffled edge. Each, 12c; ½ doz., 50c; doz., 95c.

***J. A. CARBONE**

Iridescent orange-salmon shaded darker towards the edges, center yellow; large flowers well placed on long stems. An extra choice variety. Each, 15c; ½ doz., 80c; doz., \$1.50.

***KIRCHOFF'S VIOLET**

A deep, rich, velvety violet, large flowers well placed on the stem. One of the most beautiful Gladiolus in its color. Each, 25c; ½ doz., \$1.30; doz., \$2.50.

***LOS ANGELES**

Known on the West Coast as a cut and come again. The bulbs usually produce in this part of the country 3 stalks. Shrimp-pink with orange-carmine throat. The color scheme is very pleasing and greatly admired by all who have seen it. A variety of individuality. Each, 10c; ½ doz., 50c; doz., 90c.

***L. W. WHEELER**

A distinct shade of pink suffused with yellow blending to a strong yellow toward the center blotch of crimson. Flowers well placed on tall spike carrying 10 to 12 blossoms open at one time. Each, 12c; ½ doz., 70c; doz., \$1.25.

MAJESTIC

Fine orange pink, large flowers, distinct variety. Each, 12c; ½ doz., 55c; doz., 95c.

***MARIE KUNDERD**

Pure white with almost invisible pink lines in center of the lower petals. Very finely ruffled and early. Each, 15c; ½ doz., 70c; doz., \$1.35.

MARY PICKFORD

Delicate creamy white with yellow blotch, very early. Each, 10c; ½ doz., 50c; doz., 90c.

***MARTHA WASHINGTON IMPROVED**

An exceptionally tall vigorous grower. The best description we can give of its color is to liken it to the Martha Washington Geranium. A very choice variety, will take the prize at any Gladiolus show. Each, 20c; ½ doz., \$1.10; doz., \$2.00.

MONA LISA

A ruffled variety soft rose-pink in color making a very beautiful stalk. Each, 12c; ½ doz., 60c; doz., \$1.10.

***MR. W. H. PHIPPS**

La France Pink, overlaid with salmon-rose lighter towards the center, lower petals faintly striped and speckled with ruby; enormous flowers perfectly placed on gigantic stems. 15 to 20 open at one time. A super variety. Each, 20c; ½ doz., \$1.10; doz., \$2.00.

Gladiolus Bulbs

See Inside Back Cover for Color Reproductions

Superfine Mixtures (Extra Choice)

We grow our own Gladiolus bulbs consisting of close to 200 varieties. From this production of named varieties we have an accumulation of bulbs which we mix thoroughly and plant, producing, as one can readily understand, a super mixture. The smaller size mixtures we are listing are just the thing for people who wish to produce stock whereby they are to sell the blooms or to get into an excellent mixture for resale of bulbs. We have, therefore, a range of 3 mixtures of Gladiolus bulbs as follows:

Superfine Mixture "A" (Bulbs first size 1½ inch up in diameter). ½ doz., 30c; doz., 50c; 25—85c; 50—\$1.60; 100—\$3.00; 1000—\$26.50.

Superfine Mixture "B" (Bulbs ¾ inch to 1¾ inch in diameter). All will bloom the first year. ½ doz., 20c; doz., 35c; 25—65c; 50—\$1.25; 100—\$2.35; 1000—\$20.00.

Superfine Mixture "C" (Bulbs ½ inch to ¾ inch in diameter). 60% will bloom the first year. Minimum quantity—100 for 75c; 1000—\$6.50 and 500 at the 1000 rate. (All prepaid.)

NOTICE—All quantities of bulbs are quoted Parcel Post or Express charges prepaid. Named varieties are offered in first size only 1½ in. up in diameter.

GLADIOLUS CULTURE

In recent years the Gladiolus has gone through a very rapid development. The color effects one can now secure are beyond verbal description. The clear tones of all colors and shades are obtainable; the colors with interesting markings and color combinations are exquisite.

No garden today is complete without a generous planting of them; starting shortly after the first of April, successive plantings can be made up to June 15th. This is true in the latitude of Northern Illinois. Farther South of course the plantings can be extended over a wider range of time.

We suggest that you buy your Gladiolus in named varieties so that you will learn to know them as you know people—this would be an asset; or if you wish to at any time take part in any Gladiolus show that is being given, you would have your entries of known varieties, which is essential. Do not think that it is necessary to be a big producer of bulbs to be able to have varieties that would be prize winners. Just have a range of varieties in the colors and there is no doubt but what you would be amply repaid for your effort in having a blue ribbon attached to some specimen you might show. Furthermore, whether you wish to show or not, the joy of having the varieties and knowing them brings about considerable pleasure.

As heretofore stated start your plantings about April 1st, setting the bulbs 4 to 5 inches deep in almost any type of garden soil. Naturally the richer the soil the larger your flower stalks and more vigorous your plant resulting in a reestablishment of bulbs for the following year.

We only offer for sale what is known as first size in named varieties, by that we mean, bulbs that are 1½ inch and up in diameter.

The varieties marked with an asterisk * we wish to call to your attention. While all varieties listed are of particular importance those so marked we believe to be of exceptional merit. The varieties we have boxed in are of the very newest introductions.

***MRS. DR. NORTON**

Silver white blossoms, tips of petals marked crab apple pink. A dainty flower. Each, 10c; ½ doz., 45c; doz., 85c.

***MRS. FRANK PENDLETON**

Large pink flowers with deep carmine blotch. Each, 8c; ½ doz., 35c; doz., 60c.

***MRS. FREDERICK C. PETERS**

Resembling an Orchid in color. A beautiful shade of rose-lilac with crimson blotch. Flowers are very large and many open at one time borne on a long stalk. Each, 15c; ½ doz., 70c; doz., \$1.25.

***MRS. H. A. CAESAR**

A beautiful shade of lavender shading to lilac with a yellow spot on the lower petals. 6 to 8 flowers open at one time. This is one of the exceptional Gladiolus. Each, 15c; ½ doz., 75c; doz., \$1.40.

***MRS. H. E. BOTHIN**

Flesh pink, tinted salmon; flame scarlet center; heavily ruffled. A beauty. Each, 12c; ½ doz., 55c; doz., \$1.00.

***MRS. LEON DOUGLAS**

Begonia-rose striped with flame-scarlet, lower petal pale lemon speckled ruby. Extremely large flower, many open at one time. Very tall, strong stem with several side shoots, the whole forming a gigantic bouquet. This is considered the largest Glad in existence. Each, 15c; ½ doz., 80c; doz., \$1.50.

MYRTLE

A very fine pink blending into a deeper pink. Each, 8c; ½ doz., 45c; doz., 85c.

MYSTIC

An exceptionally early clear pink variety. Each, 8c; ½ doz., 40c; doz., 75c.

NIAGARA

Creamy yellow. Each, 8c; ½ doz., 40c; doz., 75c.

ODIN

Deeper than Prince of Wales, larger flowers, small deep red spot on lower petals. Each, 10c; ½ doz., 45c; doz., 80c.

***ORANGE GLORY**

Ruffled flowers, orange, lighter throat, large flowers. Each, 15c; ½ doz., 75c; doz., \$1.40.

ORANGE QUEEN

An apricot-orange primulinus hybrid. Beautiful wide open flowers of excellent substance. Each, 10c; ½ doz., 50c; 1 doz., 90c.

***PEACH ROSE**

A wonderful variety. Extra choice in its color of deep rose-pink with rose-red blotches in the throat. Each, 15c; ½ doz., 70c; doz., \$1.25.

***PINK WONDER**

La France pink, shading to pale pink in the throat, with yellow reflex at the base of the lower petals; very large flower. Each, 15c; ½ doz., 70c; doz., \$1.25.

PRINCE OF WALES

Delicate salmon. A great number of flowers open at one time. Each, 8c; ½ doz., 40c; doz., 75c.

***PURPLE GLORY**

Velvet maroon, ruffled flowers. A wonderful spike. Each, 15c; ½ doz., 70c; doz., \$1.25.

Ask for copy now of our Fall Bulb Catalogue. Issued in August



Shumway's Large Flowering Cannas

Cannas are one of the most effective plants for our garden and give a delightful effect for a small expenditure. Their blooming period is from early summer until frost in all parts of the country. They are sunloving plants and will thrive in almost any soil but will respond to a liberal use of well rotted manure and generous watering.

Cannas are most effective when planted in mass of one variety in a bed or when planted here and there in the background of mixed borders; so arranged their long blooming season assures a continuous display of color. Again they are quite effective when used as a hedge or as a background.

Two to Three-Eye Roots. Plant 18 Inches Apart

King Humbert. (4 ft.) The flowers are scarlet in color and the leaves are bronze. This variety has been a sensation in the Canna family for the last 10 to 12 years. A free bloomer and exceptionally fine tropical foliage.

Yellow King Humbert. (4 ft.) Considered the best yellow Canna. An orchid flowering sport of King Humbert. The petals are 3 to 3½ inches in diameter, 7 inches long, slightly blotched with bright red, foliage dark green.

The President. (4 ft.) Rich glowing scarlet flowers 7 inches across when fully opened. The strong erect stalk carries the flowers well ahead of the heavy green foliage. A strong growing variety and free blooming.

Eureka. (4 ft.) A free flowering white variety. When the blossoms appear they are cream. This variety planted with King Humbert makes a very delightful contrast. Green leaves.

City of Portland. (3½ ft.) A deep pink variety holding its color well during hot weather. Foliage green and this variety carries its flowers well above the foliage. This is one of the worth-while pink varieties.

Wyoming. (6 ft.) Bronze leaved. This is the best orange-yellow variety. This variety has bronze-purple foliage and immense flowers.

All varieties, each, 20c; 3 for 50c; 6 for 90c; 1 doz., \$1.60; 25—\$3.00, postage paid.



CALADIUM BULBS

A magnificent and tropical-looking plant for the lawn. It is sometimes called Elephant Ear owing to the appearance of its massive leaves. Give them a rich, light sandy soil if possible, with plenty of moisture. Mammoth bulbs each, 25c; ½ doz., \$1.15; doz., \$2.15.

LILY OF THE VALLEY

These beautiful little flowers should have a place in every garden. Considered the daintiest of our spring flowering plants. Roots or pips, 6—25c; 12—45c; 50—\$1.65; 100—\$3.25.



LILIAM AURATUM

(The Gold-Banded Lily of Japan)

This is the most beautiful of the Lilies. Very large, glistening white flowers, thickly studded with crimson spots, while through the center of each petal runs a clear golden yellow band. Thrives best in locations where the lower portion of the plant is shaded, as among Peonies or other low-growing perennials. Perfectly hardy with ordinary protection. Mammoth bulbs, 10-13 inches. 45c each; \$2.50 per 6; \$4.75 per 12.



LILIAM SPECIOSUM RUBRUM

The Speciosum varieties are probably the most popular Lilies grown, bearing flowers of a most delicate beauty in August. Wonderful for perennial borders. When fully open these beautiful blooms are a gorgeous sight, the petals curving back to the stem, exposing the rose and crimson markings. Mammoth bulbs, 11-13 inches. 40c each; \$2.00 per 6; \$4.00 per 12.



DOUBLE PEARL TUBEROSE BULBS

These are beautiful, sweet scented flowers, and are very finest for the house as well as the garden. The bulbs can be started indoors early and set in open ground when warm. Three for 20c; 1/2 dozen, 36c; dozen, 65c.

BULB CATALOG

Our fall catalog of bulbs will be ready for distribution about the middle of August. If you are interested in tulips, hyacinths, crocus, narcissus, peonies, iris and lilies, don't fail to have a copy mailed you. As a suggestion when you send in your order for seed, request a fall catalog, making this request on a separate slip of paper, with your name and address, and as soon as the catalogs are off the press, one will be mailed you.

Index—Shumway's Vegetable and Field Seed

Table listing various vegetable and field seeds with corresponding page numbers. Includes Alfalfa, Celery Cabbage, Garlic Bulbs, Lima Beans, Peas, Field, Soy Beans, etc.

Index—Shumway's Flower Seeds and Bulbs

Table listing various flower seeds and bulbs with corresponding page numbers. Includes Abutilon, Catchfly, Dusty Miller, Iberis, Ice Plant, Ipomopsis, etc.



**WONDER COLLECTION
OF GLADIOLUS**

No. 1—Majestic.....	\$.12
No. 2—Los Angeles.....	.10
No. 3—Orange Queen.....	.10
No. 4—Mrs. Leon Douglas.....	.15
No. 5—Byron L. Smith.....	.10
No. 6—Orange Glory.....	.15
No. 7—Anna Eberius.....	.10
No. 8—Herada.....	.10
No. 9—Bengal Tiger.....	.15
No. 10—White Giant.....	.15
No. 11—Joe Coleman.....	.12
No. 12—Mrs. W. H. Phipps.....	.20
No. 13—J. A. Carbone.....	.15
No. 14—Mrs. F. C. Peters.....	.15
No. 15—Purple Glory.....	.15
No. 16—A. W. Hunt.....	.12
No. 17—Deutschland.....	.12
No. 18—Dr. F. E. Bennett.....	.20
No. 19—Giant Nymph.....	.15

\$2.58

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3 each of this Wonder Collection 6.00

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SHUMWAY'S SEEDS AND BULBS

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RESULTS



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