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30<sup>th</sup> ANNUAL

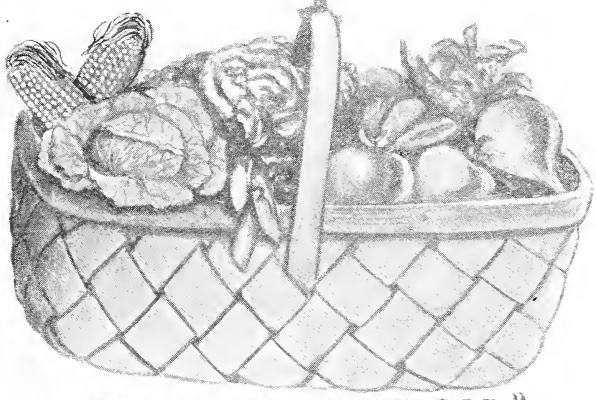


# CRISWOLD

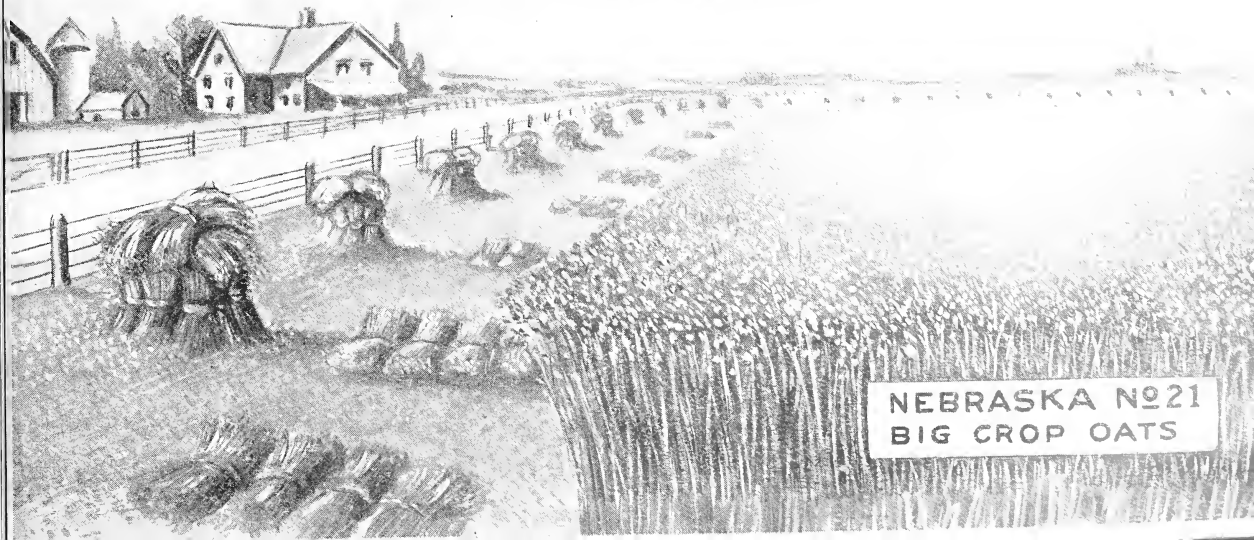
## SEED AND NURSERY CO.

LINCOLN, NEBRASKA

JAN 31 1920  
U. S. Department of Agriculture.



"AERO COLLECTION"  
SEE PAGE THREE



NEBRASKA N921  
BIG CROP OATS

# SIMPLE RULES FOR ORDERING

BE SURE TO READ  
THIS PAGE

OUR CONSTANT AIM IS TO MAKE THE HIGHEST QUALITY THE FIRST CONSIDERATION, AND NEXT, TO PUT OUR PRICES AS LOW AS GOOD SEED CAN BE SOLD

Next in importance to supplying the best seeds is the prompt and accurate filling of orders. To that end we ask the co-operation of our patrons. It will hasten forwarding materially, if they will kindly make up orders alphabetically, as the goods are offered in the catalogue. This method is easier and is a safeguard against neglecting to order some item of importance. Seeds are put in compartments in our stores alphabetically, hence an order can be filled more quickly if it is made out in that manner.

**CATALOGUE CHANGE.**—We have made one important change, which we believe you will like. We quote all seeds by pound instead of pint, quart, peck and bushel.

**TESTED SEEDS.** We employ an expert seed analyst especially to test all of our seeds for both purity and germination and have a large electric tester, built according to the plans approved by the Government Department of Agriculture. The value of tested seeds to the buyer cannot be over-estimated. It is an assurance to you that the seed is full of vigorous life and vitality, and that if you plant under proper conditions and follow our instructions you will not be disappointed.

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

**OUR TERMS** are cash with order. We cannot ship C. O. D. unless you remit at least one-fourth of the amount of the order. It always costs you extra for goods to come that way. We will take your personal check, but will hold order till banks report checks paid. Better send us Draft, Money Order, or Registered Letter. We always refund your money if we cannot fill order.

**MARRIED WOMEN** will save confusion in correspondence by always using husband's initials.

**HOW WE SHIP.** We ship all heavy goods by freight at your expense, unless otherwise instructed. We send you duplicate bill of lading, showing date, number of bags sent, and route. All plants and perishable goods are sent only by express at your expense, unless quoted "prepaid," in which case we send by mail or prepaid express, and notify you.

**SAFE ARRIVAL.** We guarantee all goods except sweet potatoes to arrive safely and will refund you for any loss, providing you have Agent make notation of such loss on expense bill and return it to us. This applies on Irish potatoes if time of shipment is left to our judgment.

We also guarantee all seeds that we send out at catalog prices to be carefully selected and tested. We are always pleased to make good any mistake, but all complaints must be made within 15 days from receipts of goods. On account of weather conditions, etc., we cannot guarantee the crop. You can have the Experiment Station test any of our seed and if not satisfactory will take it back and refund to you.

**OUR RESPONSIBILITY.** We have been in business here for 30 years. We would be pleased to have you write (enclosing stamp) any bank or business firm here in Lincoln as to our standing.

**LARGE ORDERS.** Any market gardener, association, or individual requiring large quantities of seeds, are invited to write for special prices. Although we have made our prices in this catalog very low, yet when a considerable quantity in pounds or bushels is wanted, we are in a position to supply at a lower price than by the single pound or bushel. We wish it to be distinctly understood, however, that we will not sacrifice quality in so doing. Mail us a list of your wants, and we will submit to you our lowest cash price for the lot.

**FALL CATALOG.** Our fall catalog will be ready about July 1. It is brimful of seasonable seeds, plants and bulbs to plant during the summer and autumn months. Don't fail to write for a copy if you do not receive one.

**ORDERS WITHOUT MONEY OR ADDRESS.** Every year we get hundreds of orders from our customers unsigned. We have at present on our files a number of orders for various amounts, which we are unable to send out as we don't know where to forward them. Every day or so we get a long letter of complaint from some customer, upbraiding us for not sending his seeds promptly. Then we get busy with this file and endeavor to locate the order. Often it is a hard proposition. So, if you do not hear from us within a reasonable length of time after you mail your order, send us a duplicate order, naming the date on which the former order was sent, the amount of money enclosed, and in what form. We want to satisfy you and don't want you to complain about our service—if we can help it.

**NON-WARRANTY.**—Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, etc., which renders it impossible for us to guarantee success, and although we take all possible care to supply only such goods as will, under proper conditions, produce satisfactory results, we still give no warranty as to description, quality or productiveness of any of the seeds, plants or bulbs we send out, and will not be in any way responsible for the crop, and every order for articles named in this catalogue will be executed on these conditions only. It must, however, be plain to everyone who gives the matter the slightest thought, that it is to our best interests to send out only such stocks as will not only grow but prove true to name and description.

**FREE SAMPLES.** We are always too glad to send you free samples of Corn, Grass, and other Field Seed, for testing purposes. You are not imposing on our good nature when you ask us to send you these samples, for we know the quality of the samples will bring us your big order.



1890

1920



# GRISWOLD

## Seed & Nursery Co.

Lincoln

Nebr.



Dear Friends and Customers:

In issuing our 30th annual catalog for 1920 we take advantage of the occasion to thank our old customers for their friendship, loyalty and patronage during the past year, and to express the hope that it will be continued. The greatest asset we have is the good will of satisfied customers, but it is to prospective buyers we largely address this portion of our remarks, begging the indulgence of our old customers. With hundreds of illustrations from photographs and carefully written descriptions this book is a **SAFE GUIDE** to success in the garden, and should be consulted by every one who plants seeds, either for pleasure or profit.

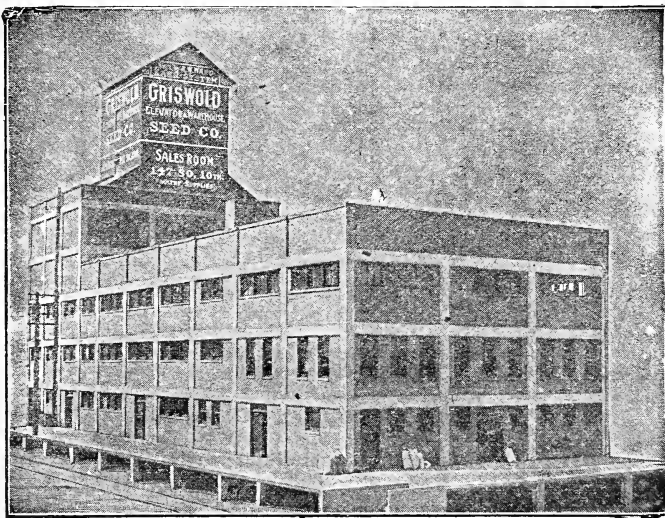
As many people are sometimes at a loss to know just what varieties to select we have tried to make our descriptions and illustrations plain and truthful in every instance, and have arranged some Special Collections of both Garden and Flower Seeds, which we feel sure will be helpful to our customers.

In purchasing seeds the first consideration should be quality, for without this, good seed beds are of no avail, and time, labor and money are lost. This year we have painstakingly persisted in maintaining, improving and developing our stocks. Our seeds are grown in the favored seed sections all over the United States, and some in Europe, thus assuring you seeds of the strongest germination and vitality. We are trying, if possible, to be even more accurate in testing every lot of seed that goes out of our warehouse or into our packets, having installed an expensive and up-to-date new seed testing and analyzing laboratory, with one of the best seed analysts in charge. And under no consideration do we allow any seeds to leave our establishment unless we know their source of origin and a satisfactory test obtained, and with most of our old, competent help back from the war can guarantee the best of service.

Again thanking our many thousand customers in advance for their orders, and soliciting a trial order from our new friends, assuring them no order will be too small, no trouble too great to merit our most appreciative and careful attention, we are,

Yours for better service,

GRISWOLD SEED & NURSERY CO.



This is our warehouse where we clean and store the immense seed stocks that are required to fill your orders.

## High Prices

The great war is over and won, but the war on high prices is still on and until production is greatly increased prices will still be high. We can all help by growing a lot of vegetables, if only for our own use, it will be a big saving, and if for market you know the prices we have been used to. It will be a source of large profit to have your own vegetables, and if you have room be sure and put out a large garden. You cannot make money any faster.

### TEST YOUR SEED.

If you have seed that you wish tested let us give you an accurate test at a small charge to cover cost.

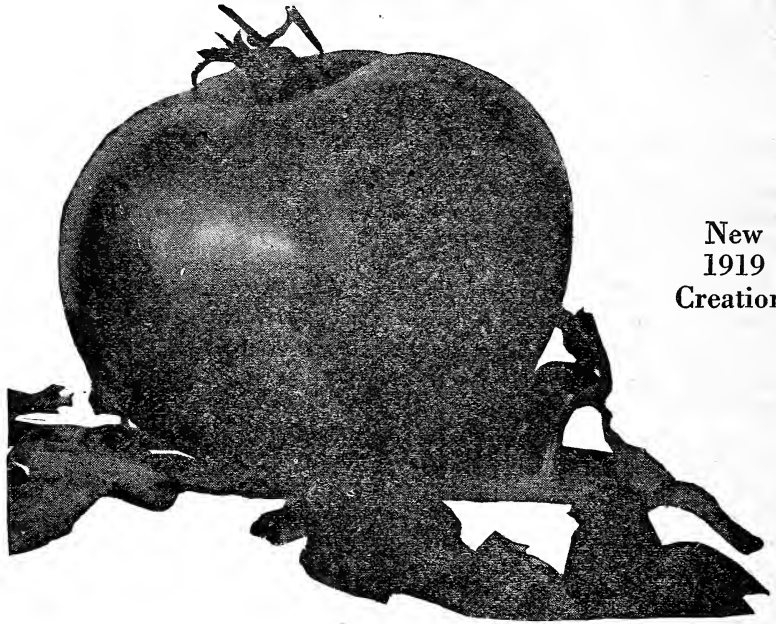
As stated above, we have installed an up-to-date, new Seed Testing and Analyzing Laboratory, and have one of the best seed analysts in charge, and are in position to give you accurate and reliable tests.



# The Marvel of the Seed World

## The Great "Baltimore Baer" Tomato

The  
Most  
Wonderful  
Tomato  
The  
World  
Has  
Ever  
Known.



New  
1919  
Creation.

### "Baltimore Baer" Tomato

This wonderful Tomato has been created by the World-Renowned Hybridizer and Tomato Seed Specialist, Mr. John Baer.

After several years, meeting failures and successes, he finally created the marvelous "Baltimore Baer" Tomato.

Carefully considering all the grand, victorious points of the "John Baer" Tomato and all the splendid, strong profitable points of the "Greater Baltimore" Tomato, Mr. Baer set for himself the great task of merging the "John Baer" Tomato and the "Greater Baltimore" Tomato together and creating the most wonderful Tomato the world has ever known.

Mr. Baer has been crowned with success, as will be borne out by the photograph of the "Baltimore Baer" Tomato above. Mr. Baer has created the most beautiful, the most prolific, the most profitable, the most successful Tomato the world has ever known.

The vines are full of vim, new life and health—entirely free from wilt, blight and disease.

The "Baltimore Baer" is the product of two wonderful, full blooded, healthy parent stocks. The new creation has been selected and developed to reproduce the best qualities of both parents.

It would take many pages to tell about this marvelous new Tomato, for it has never been equaled, but we give below a few of its wonderful strong points and outstanding good qualities. When you grow it you will say even more good things about it than we have.

1st. The "Baltimore Baer" is the most beautiful shaped Tomato the world has ever seen.

2nd. The "Baltimore Baer" Tomato is free from core. It produces all perfect high crown fruit.

3rd. The color is a starting, beautiful, brilliant red.

4th. The fruit is firm, solid and heavy. Crowded full of delicious meat.

5th. The "Baltimore Baer" Tomato ripens perfectly right up to the stem.

6th. The development is perfect, smooth and even at both stem and blossom end.

7th. Absolutely no waste.

8th. Entirely free from wilt and blight.

9th. The "Baltimore Baer" Tomato ripens a little later than "John Baer" Tomato, but earlier than "Greater Baltimore" Tomato.

10th. It is a marvelous yielder. The abundance of its crops will amaze you.

11th. The flavor is distinct, mild, refreshing and delicious, entirely free from any stinging or biting acidity.

12th. Produces heavy crops of fine fruit when other varieties are complete failures.

Every ounce of our very limited supply of seed has been personally grown by Mr. John Baer, and each Tomato has been selected by him and the seed saved with his own hands. Our supply of seed is necessarily a very limited one this season, and in order to secure some of this wonderful Tomato, we urge you to mail us your order immediately. You will be delighted with your crops and receive big profits.

Prices: Pkt., 25c; ½ oz., \$3.50; oz., \$6.00; ¼ lb., \$22.50; ½ lb., \$40.00, postpaid.

#### BIG SUCCESS IN AFRICA

Clay Co., Kan., Nov. 12, 1919.

Gentlemen: My daughter went to Africa last winter as a missionary and took some of your garden seeds along. They were surprised at the success they had with them. She wants us to send some more this winter.

Wm. L. Macy.



**AERO COLLECTION  
NO. 6**



**GRISWOLD'S "AERO" COLLECTION**  
**\$1.50 Value for \$1.00**

**Big Value—High Quality—Good Results—Lasting Appreciation and the Universal Satisfaction of this Big Collection** establishes the truth about Griswold quality—and quality is the keynote to the success that has characterized Griswold's seeds for thirty years.

**Twenty-six 5c and two 10c packages for \$1.00** will give every opportunity to convince that Griswold quality is all and more than we claim. We value our reputation as our greatest asset and for thirty years our sole aim has been, is, and will continue to be, to make the name **GRISWOLD**, when applied to seed, the highest quality possible to obtain.

**This Collection consists of twenty-six 5c and two 10c packages—catalog value, \$1.50—and cannot be broken. Look up their description.**

1 pkt. Beet, Crosby's Egyptian .....	5c	1 pkt. Onion, Yellow Danver's.....	5c
1 " Bean, Black Wax .....	5c	1 " Parsnip, Hollow Crown .....	5c
1 " Bean, Giant Stringless .....	5c	1 " Parsley, Moss Curled .....	5c
1 " Bean, Kentucky Wonder .....	5c	1 " Peas, First and Best.....	5c
1 " Cabbage, Early Flat Dutch.....	5c	1 " Peas, Nott's Excelsior .....	5c
2 " Corn, Early Minnesota .....	10c	1 " Pepper, Ruby King.....	5c
1 " Carrot, Danver's Half Long.....	5c	1 " Radish, Icicle .....	5c
1 " Cauliflower, Ey. Snowball .....	5c	1 " Radish, Scarlet Turnip .....	5c
1 " Celery, Golden Self Blanching.....	5c	1 " Spinach, Bloomsdale .....	5c
1 " Cucumber, Boston Pickling.....	5c	1 " Squash, Boston Marrow.....	5c
1 " Kohl Rabi, White Vienna.....	5c	1 " Tomato, John Baer.....	10c
1 " Lettuce, Early Simpson .....	5c	1 " Turnip, Purple Top Flat.....	5c
1 " Lettuce, Hanson .....	5c		
1 " Musk Melon, Honey Dew.....	10c		
1 " Water Melon, Tom Watson.....	5c		
		<b>Total .....</b>	<b>\$1.50</b>

**ABOVE BIG TWENTY-SIX 5c AND TWO 10c PACKAGE COLLECTION FOR \$1.00 POSTPAID.**

**GRISWOLD'S CHOICE VEGETABLE PLANTS**

We grow these in large quantities and also contract with careful hotbed growers to guard against failures. **Note—We can supply only the varieties listed here.**

**Cabbage.** Ready about April 25th. We can supply the following varieties: Early Jersey Wakefield, Early Winningstadt, Early Flat Dutch, All Season, Sure Head, Late Flat Dutch, Large Late Drumhead.

**Cauliflower.** Early Snowball.

**Celery.** White Plume, Golden Self Blanching.

**Chives.** Clumps of roots, 25c each, postpaid; \$1.50 per dozen, by express.

**Egg Plant.** New York Purple.

**Pepper.** Chinese Giant, Large Bell or Bull Nose, Ruby King, Long Red Cayenne.

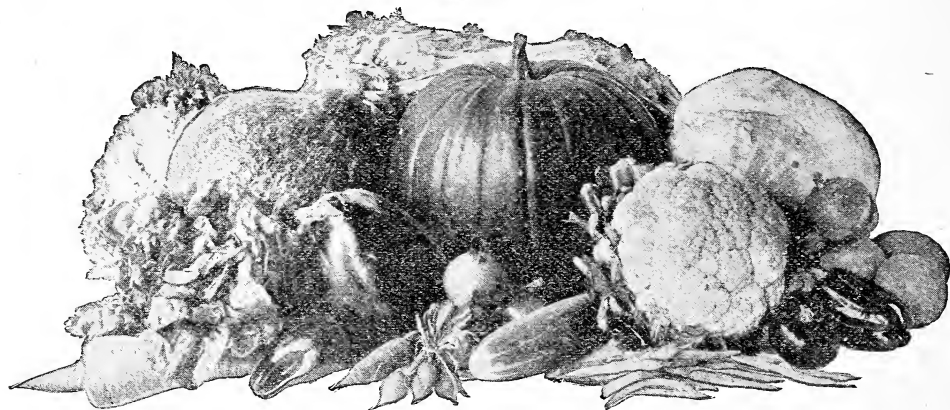
**Sweet Potatoes.** Yellow Jersey, Red Jersey, Southern Queen.

**Tomatoes—Dwarf Champion, Chalk's Early Jewell, Earliana, Ponderosa, Stone, Golden Ponderosa, Yellow Pear.**

**John Baer Tomato Plants.**

	Ready about	Per doz.	Postpaid			Ex Express Your Expense		
			Per 25	Per 100	Per doz.	Per 100	Per 1,000	
Early Cabbage .....	Apr. 25	\$0.20	\$0.30	\$0.90	\$0.15	\$0.85	\$8.50	
Late Cabbage .....	May 10	.15	.25	.85	.15	.75	5.50	
Early Tomato .....	Apr. 25	.25	.45	1.00	.20	.90	8.00	
John Baer Tomato.....	Apr. 25	.30	.50	1.50	.25	1.00	9.00	
Late Tomato .....	May 10	.20	.30	.90	.15	.80	7.00	
Cauliflower, Snowball .....	May 10	.25	.45	1.25	.20	1.00	9.00	
Egg Plant .....	May 10	.25	.45	1.25	.20	1.00	8.00	
Early Celery .....	May 10	.20	.35	.75	.15	.60	5.50	
Late Celery .....	June 1	.20	.30	.75	.15	.55	5.00	
Pepper .....	May 10	.25	.45	1.25	.20	1.00	9.00	
Sweet Potatoes, Yellow Jersey.....	May 10	....	....	.65	....	.50	4.50	
Sweet Potatoes, Red Jersey and So. Queen .....	May 10	....	....	.90	....	.75	6.50	
Asparagus Roots .....	....	.25	.40	1.00	....	.70	6.00	
Rhubarb Roots .....	....	10c each	\$1.00 per doz.	....	....	60c per doz.	....	

**PRICES OF VEGETABLE PLANTS SUBJECT TO CHANGE**



The seeds we offer are the result of 30 years' experience in seed growing, and represent the best the earth produces. We list only varieties of real merit which can be depended upon for best results. All our garden seeds are offered at the lowest price possible consistent with our high quality. We are withdrawing all previous discounts on packets and ounces, and hereafter will list all our seeds at the following net prices:

## Discount on Seeds in Packets

Any 6 of our large 5 cent packages for 25c; 13 for 50c; and 28 for \$1.00

Three 10c packets, your choice, for 25c, postpaid.

Six 10c packets, your choice, for 45c, postpaid.

Twelve 10c packets, your choice, for 90c, postpaid.

These prices do not include special collections of

Four 15c packets, your choice, for 50c, postpaid.

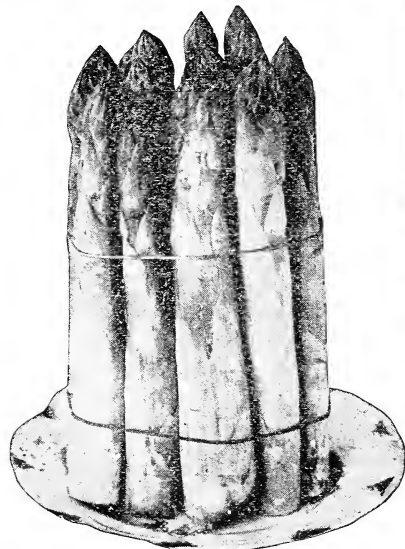
Six 15c packets, your choice, for 75c, postpaid.

Twelve 15c packets, your choice, for \$1.35, postpaid.

garden seeds, from which no further reduction can be allowed.

Prices on all seeds in ounces, quarter pounds, pounds, and all quantities larger than packets are absolutely net; no discounts can be allowed.

ALL GARDEN SEEDS QUOTED IN THIS CATALOG EXCEPT PAGES 26 AND 27 ARE POSTPAID. FOR QUANTITY PRICES NOT POSTPAID, SEE PAGES 26 AND 27.



Columbian Mammoth Asparagus.

## CITY GARDEN COLLECTION NO. 1

14 BIG, FULL SIZED PACKETS FOR 50c, POSTPAID.

This collection is just the right size for the town or city lot gardener. It is made up of our best varieties, every one tried and true. You should not hesitate to order this collection. It is a bargain of unusual merit.

- 1 pkt. Beans, Golden Wax.
- 1 " Beans, Burpee's Green Stringless.
- 1 " Peas, Tom Thumb.
- 1 " Peas, Little Gem.
- 1 " Lettuce, Simpson's Early Curled.
- 1 " Radish, Early Scarlet Turnip.
- 1 " Radish, Icicle.
- 1 " Beet, Best Early Blood.
- 1 " Tomato, Early Jewel.
- 1 " Carrots, Danver's Half Long.
- 1 " Turnips, Purple Top Strap Leaf Flat.
- 1 " Onion, Danver's Yellow Globe.
- 1 " Cabbage, All Season.
- 1 " Corn, Howling Mob.

Regularly sells for 70 cts. You get it for 50 cts.

## ASPARAGUS

One ounce to 50 feet of drill; 5 pounds to the acre.

Sow in March or April, in good mellow soil, after soaking the seed 24 hours in warm water, in drills one foot apart, and one inch deep. During the summer keep the soil mellow and free from weeds, thinning the plants to 4 inches apart. The following spring transplant into permanent beds that have been deeply dug and highly manured.

**CONOVER'S COLOSSAL**—A mammoth, green sort of the best quality. Pkt., 5c; oz., 15c; ¼ lb., 25c; postpaid.

**PALMETTO**—An early, green sort, prolific and very desirable. Pkt., 5c; oz., 15c; ¼ lb., 25c; postpaid.

**BARR'S MAMMOTH**—An early, large-stemmed, green variety. Pkt., 5c; oz., 15c; ¼ lb., 25c; postpaid.

**COLUMBIAN MAMMOTH WHITE**—Produces

white stalks of large size and finest quality. Pkt., 5c; oz., 15c; ¼ lb., 25c; postpaid.

### ASPARAGUS ROOTS.

The ground should be well manured and deeply spaded, the roots planted 2 feet apart, 1 foot apart in the row, and at least 6 inches deep. These will be ready to use in 2 or 3 years. 25c per doz.; 50 for 75c; \$1.25 per 100; postpaid. 15c per doz.; 40 for 50c; 75c for 100; by express at your expense.





## Beans

Earliest varieties, ready for table in 40 days; 1 pound to 10 feet of drill; 1 bushel per acre.

The soil best adapted to beans is a light, rich, well-drained loam, which was manured for the previous crop. Beans are extremely sensitive to both cold and wet and it is useless to plant them before the ground has become dry and warm. The largest returns will result from planting in drills from two to three feet apart and leaving the plants two to six inches in the row. Up to the time of blossoming they should have frequent shallow cultivation. Never hoe when the vines are wet, as the pods will become discolored. For succession plant every two weeks.

### BUSH OR SNAP BEANS

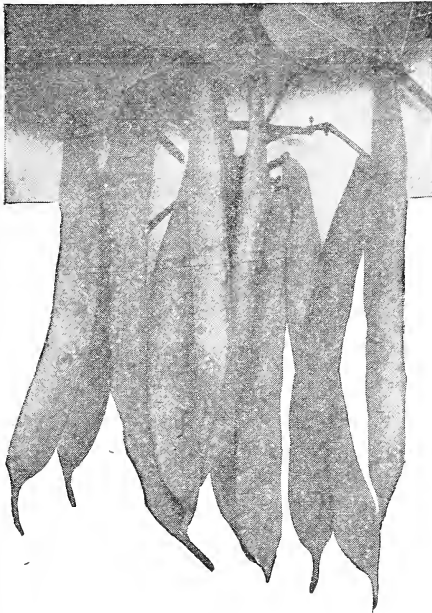
#### Wax or Yellow Pod Varieties

**ADMIRAL TOGO**—This grand bean is a wax podded sort with wonderfully handsome and attractive pods averaging 6 inches in length and of an unusually desirable shade of yellow. The table quality is delicious. This sort is usually free from rust and other diseases. Its extreme earliness is also a valuable characteristic, coming, as it does, only about three days behind Extra Early Red, Valentine. **Price: Pkt., 10c; lb., 50c; postpaid.**

**BLACK WAX**—A popular variety; pod a waxy yellow, solid, tender, almost transparent, stringless, seeds when ripe jet black. **Price: Pkt., 5c; lb., 40c; postpaid.**

**GOLDEN WAX**—A standard sort. One of the earliest beans in the market. The pods are of large size, very thick and fleshy. The quality is tender and brittle, the color is rich golden-yellow. **Price: Pkt., 5c; lb., 40c; postpaid.**

**CURRIE'S RUST PROOF WAX**—The vine is a vigorous grower and about the hardiest of the wax sorts. Very early, bearing an abundance of handsome yellow pods of excellent quality and delicious flavor. The pods are straight and oval-flat, 5 to 6 inches long, and, as its name indicates practically rust proof. Seed is of black color. **Price: Pkt., 5c; lb., 40c; postpaid.**



Burpee's Stringless Green Pod.

**DAVIS' KIDNEY WAX**—A very productive flat pod Wax Bean. The vine is rustless and very vigorous, bearing its pods near the center in clusters. The pods are invariably quite long, waxy, white, straight, and handsome, and when young are brittle, crisp and tender. Seed kidney shape, clear white and excellent for baking. One of the best for a market variety. The length, uniformly perfect shape, and fine color of the pods and seed, make this a favorite for canners. **Price: Pkt., 5c; lb., 40c; postpaid.**

**IMPROVED GOLDEN WAX**—The most popular variety and this popularity is due largely to the fact that the strain we have is a great improvement on the old Golden Wax, having larger pods and being more prolific. This improved stock is one of the handsomest beans we have ever seen, the pods a rich golden yellow color and of perfect shape and rust proof. Best for family or market garden. **Price: Pkt., 5c; lb., 40c; postpaid.**

**WARDWELL'S KIDNEY WAX**—Strong, upright bush growth, 15 inches in height; very productive. Pods straight, fleshy, 5 inches in length and 1/2 inch broad. A rich golden-yellow, tender and quite stringless, even when fully developed; of rich, luscious flavor and exceptionally brittle. A great favorite with market gardeners on account of the large size, handsome appearance and fine quality of the pods. This variety will give you a mess of beans for your table under fair conditions in 7 weeks after seed is planted. **Price: Pkt., 5c; lb., 40c; postpaid.**

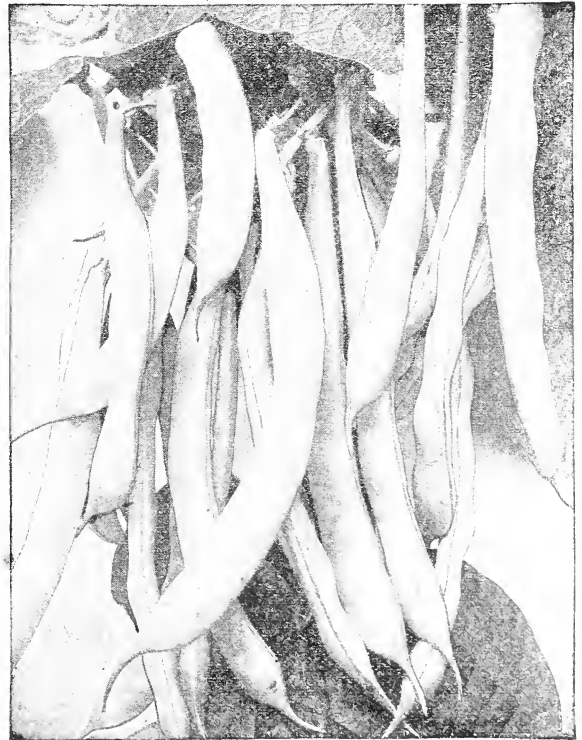
### Dwarf Green Pod Beans

**BURPEE'S NEW STRINGLESS**—One of the best stringless green-podded beans in cultivation. The pod is round, full, large and straight. **Price: Pkt., 5c; lb., 35c; postpaid.**

**GIANT STRINGLESS**—This extra early variety is exceedingly productive, bearing round green pods 6 to 7 inches long, very meaty. **Price: Pkt., 5c; lb., 35c; postpaid.**

**IMPROVED RED VALENTINE**—Early and prolific. Pods are remarkably fleshy and tender, and remain a long time without becoming hard. **Price: Pkt., 5c; lb., 35c; postpaid.**

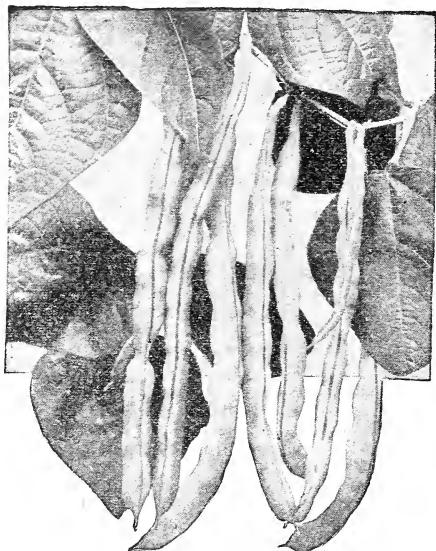
**LITTLE WONDER NAVY**—Valuable for field culture; very prolific, excellent dry bean. **Price: Pkt., 5c; lb., 35c; postpaid.**



Golden Wax.



## DWARF GREEN POD—Continued



Kentucky Wonder.

corn. It will yield a good crop without the use of poles. Beans nearly oblong, cut off at ends, white with reddish-brown spots. Price: Pkt., 5c; lb., 40c; postpaid.

**DUTCH CASE KNIFE**—An early corn hill bean. Pods very long and flat; beans flat, kidney-shaped, white, of excellent quality, green or dry. Price: Pkt., 5c; lb., 40c; postpaid.

**EARLY GOLDEN CLUSTER WAX**—Begins bearing in July, continuing to produce abundantly until frost, large clusters of golden yellow pods 6 to 8 inches long and of delicious flavor. Valuable either as a shell or snap bean, white seed. Price: Pkt., 5c; lb., 35c; postpaid.

**LARGE LIMA (Butter)**—Productive. Large flat pods; beans white, of excellent flavor. Price: Pkt., 5c; lb., 35c; postpaid.

**OLD HOMESTEAD OR KENTUCKY WONDER (65 days)**—This old variety is well known to everyone. It is still one of the best Pole Beans. Vine vigorous, very productive, bearing its pods in clusters; pods green, very long, often reaching nine or ten inches, nearly round and very crisp. Ten days earlier than any other green-podded pole bean. Good market sort. Price: Pkt., 5c; lb., 40c; postpaid.

**LAZY WIFE**—A late bean. Pods long, broad, thick and entirely stringless; rich and buttery; dry beans, white and unsurpassed as shell beans for winter use. Very prolific. Price: Pkt., 5c; lb., 45c; postpaid.

**RED KIDNEY**—Usually grown for dry beans but excellent also as green shell. Splendid for boiling or baking. These are the old-fashioned Red Kidney. Price: Pkt., 5c; lb., 40c; postpaid.

## DWARF OR BUSH LIMA BEANS

The Bush Limas are quite desirable for the garden, as their cultivation does away with poles. These should be planted edgewise with the eyes down and two inches deep. Plant June 1.

**HENDERSON'S BUSH LIMA**—Grows in compact bush from about 18 inches high. The beans are small in size but of delicious flavor and great productiveness and about two weeks earlier than the others. Price: Pkt., 5c; lb., 40c; postpaid.

**BURPEE'S BUSH LIMA**—A dwarf or bush form of the true large Lima which is of great value. They grow from 18 to 20 inches high, of stout, erect growth, yet branching and vigorous; an immense yielder, bearing a handsome, large pod, well filled, makes excellent green shelled beans. Price: Pkt., 5c; lb., 40c; postpaid.

**YARD LONG**—A great curiosity but withal an excellent variety. Produces pods fully three feet long. Splendid for use in the green state as the pods are tender and of fine flavor. Price: Pkt., 10c; lb., 85c; postpaid.

**LONG YELLOW SIX WEEKS**—Very early and a good yielder. Grows erect and bushy, producing edible pods 30 days after germination. The pods are long, flat and straight. A standard sort and excellent snap bean. Very popular among market gardeners. Price: Pkt., 5c; lb., 35c; postpaid.

**REFUGEE (Thousand to One)**—Exceedingly heavy cropper, highly esteemed for late planting. Pods long, cylindrical, light green, of good quality as snaps, mild in flavor. Price: Pkt., 5c; lb., 35c; postpaid.

**WHITE TEPARY**—A drought-resisting bean, raised by the Indians of Arizona. The beans are white in color, similar to the White Navy but smaller and far more productive. They are used as a shell bean, cook well and are of a delicious flavor. It is a variety that produces wonderful crops with less moisture than any other bean. Price: Pkt., 5c; lb., 35c; postpaid.

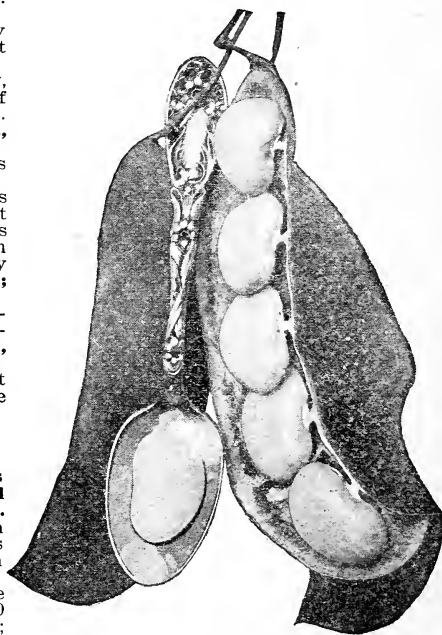
**WHITE MARROW**—A very heavy yielder and quite free from rust. Vines large, slender, spreading, with short runners and small leaves; very prolific; pods broad, green, changing to yellow; seed large, about twice the size of the white navy-bean; ovoid, clear white, cooking very dry and mealy. Price: Pkt., 5c; lb., 35c; postpaid.

## POLE BEANS

One quart to 200 hills.

These are more tender than the Dwarf Beans, and planting should be delayed about a week longer. Set a stout stake about 8 feet long, firmly in the center of each hill, leaving four plants to a hill.

**CUTSHORT (Corn Hill)**—A standard sort for planting among



Large Lima (Butter).

## GRISWOLD'S BEST 4 PACKAGE BEAN COLLECTION NO. 2

15c POSTPAID

Four of our best beans for home gardens are our stringless Green Pod, Wardwell's Kidney Wax, Old Homestead or Kentucky Wonder Pole Bean and Henderson Bush Lima. We will send you by mail one 5-cent packet of each of these 4 varieties postpaid for 15c. This is your chance to have these 4 splendid varieties at the lowest cost.

There are many bargains and low prices in this catalog, it will pay you to read it carefully



## Beets

PRICE OF ALL BEET SEED SHOWN ON THIS PAGE: PKT., 5c; 2 OZ., 15c; ¼ LB., 30c; POSTPAID.

One ounce to 100 feet of drill; 5 to 7 lbs. to acre in drills. The early turnip varieties are ready for the table in from 50 to 60 days from sowing of seed.

The best results are obtained on a deep, rich, sandy loam, in freshly prepared soil, which should be pressed firmly over the seed. In dry weather soak seed 24 hours before planting.

**ARLINGTON BLOOD TURNIP**—A dark-leaved variety, following Eclipse in maturing; perfectly round, blood-red, excellent quality, and good for winter; does not become stringy and is tender at all times.

**BEST EARLY BLOOD TURNIP**—A favorite early variety. Roots turnip-shaped, dark red; fine flavor, tender and sweet. Good for winter.

**COLUMBIA**—Extra early, also one of the finest main-crop beets for market or home garden. Roots are turnip shape, 3 or 4 inches in diameter, deep through, smooth and entirely free from small rootlets. Flesh deep blood-red, tender and of rich flavor.

**CRIMSON GLOBE**—Early, of medium size, uniformly round; color deep crimson throughout; exceedingly tender and sweet; good keeper.

**CROSBY'S EARLY EGYPTIAN**—An improved strain, of the Egyptian; skin and flesh are dark red, roots smooth, round, fine quality, extra early.

**DETROIT DARK RED TURNIP**—A grand beet for bunching for market, and for the home garden. Tops small, roots globular, skin smooth, dark blood-red, flesh bright, crisp, tender, sweet.

**DEWING'S EARLY RED TURNIP**—Of good form and flavor. Flesh and top deep blood-red; excellent for early or winter use. Smooth and handsome.

**WOODRUFF'S EARLY WONDER**—A very early beet, maturing earlier than the Crosby's Early. Has a very small tap root and fine deep color. It matures very evenly so that it can all be pulled within a few days after you begin pulling crop. A good beet to sow as a second crop. It is said by market gardeners to be the earliest beet in existence.

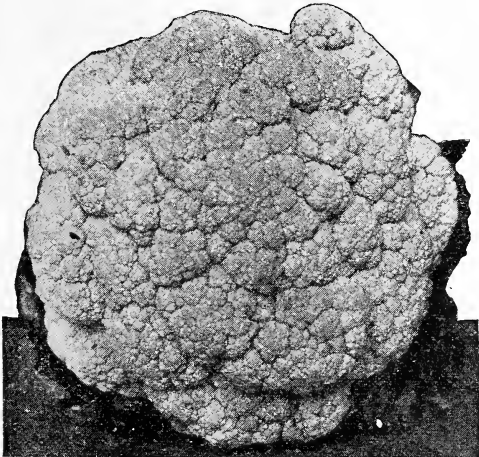
**HALF LONG BLOOD**—An entirely distinct variety, and the best for winter use. The roots are pear-shaped, smooth, flesh a rich, dark-red, crisp, tender and very sweet, never becoming woody, and retaining its excellent quality longer than any other sort.

**LONG DARK BLOOD**—Tops large, with good sized, long roots, tapering and growing even with the surface; dark red; flesh sweet and tender, remaining so until spring. A popular winter sort. An excellent keeper.

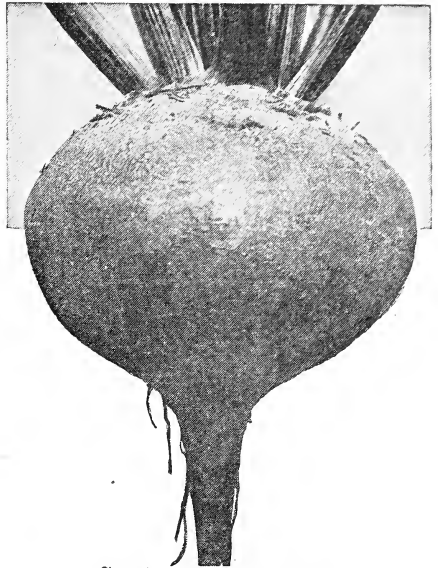
**EARLY MODEL**—A perfect globe in shape with a very small tap root. The color of the flesh is equal to that of the best long beet in existence. The foliage is very small. The beets are always smooth and of the deepest blood red, color while they quickly attain a good size.

**ECLIPSE**—An extra early variety with round, smooth, blood-red roots. Matures very early and is popular both for market and home garden.

Stock Beets are listed on page 29.



Early Snowball.



Crosby's Egyptian Beet.

## BRUSSELS SPROUTS

Matures 140 to 150 days from seed.

Brussel Sprouts are miniature cabbages formed on a plant stalk which usually grows from 20 inches to 2 feet in height, they may be boiled like cabbage or cooked in cream like cauliflower. They are by all means the most delicious and delicately flavored of the cabbage family. On this variety the heads grow very closely and its quality is the finest. Price: Pkt., 5c; oz., 20c; ¼ lb., 50c; postpaid.

## BROCCOLI

The culture is the same in all essentials as for cauliflower, in fact it is a good deal like cauliflower. It is grown most successfully where the season is long, cool, and rather moist. One of the most valuable features is that it withstands greater extremes of temperature than cauliflower.

**NEW WHITE CAPE**—A very desirable variety. It has medium sized heads, close and compact, and of a beautiful creamy white color. A sure header. Price: Pkt., 5c; oz., 50c; postpaid.

## CAULIFLOWER

These need a deep, rich moist soil, and require the same treatment as cabbages. For early summer varieties, seed should be sown in hotbed early in March, transplant when weather is warm. For late or autumn varieties, sow in March or April, transplant in June. Hoe often.

**DANISH GIANT (Dry Weather)**—The merits of this first class cauliflower is recognized by its increasing popularity. The crop is 2 or 3 weeks earlier than the Earliest Erfurt. The heads are pure white and of fine quality. The plants are less affected by dry weather than any other variety, making it very valuable for dry sections. Price: Pkt., 5c; ½ oz., \$1.65; oz., \$3.00; postpaid.

**EARLY SNOWBALL (Early Selected)**—This very superior strain is noted for producing plants of dwarf habit, short, compact growth, and uniform shape. It is extremely hardy and one of the surest to make a solid head. For forcing or planting in open ground no other variety can surpass it. Good for early, second early, and late planting. Price: Pkt., 5c; ½ oz., \$1.35; oz., \$2.50; postpaid.

**EXTRA EARLY ERFURT**—A very fine strain producing large, white, firm heads close and of excellent quality. Dwarf, early and always certain to head early or late. Later and larger than Earliest Erfurt. Price: Pkt., 5c; ½ oz., \$1.35; oz., \$2.50; postpaid.

For Market Gardener's Price List See Pages 26 and 27.



## Cabbage

One ounce to 5,000 plants; 2 ounces to transplant an acre. Ready for table in from 100 to 160 days from seed, according to varieties.

### FOR CABBAGE PLANTS SEE PAGE 3

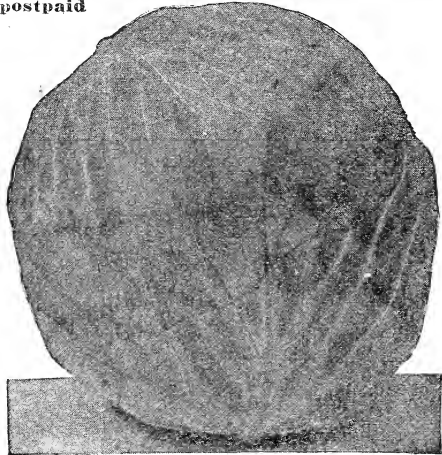
For early summer use sow in hotbed in February or March. Before transplanting to the open ground they should be hardened off by exposing them gradually to the night air. For winter use sow in open ground in May or June, taking care in either case not to let the plants stand too closely, as this makes them "spindling." When five or six inches high, transplant in rows two feet apart one way, and 12 to 18 inches the other way, according to variety, burying to the first leaf, whatever the stem length. Hoe frequently, drawing the earth up about the plants until they begin to head.

### EXTRA EARLY VARIETIES

**COPENHAGEN MARKET**—Best early flat-headed cabbage. The illustration is a good representation of a splendid new early cabbage, one our customers should not overlook. It is the earliest large round or flat-headed sort. The ripening is early and uniform all maturing at one time and almost with Early Jersey Wakefield (oblong head). Considering its early season, the heads are remarkably large, averaging 10 pounds in weight. **Price: Pkt., 5c; ½ oz., 25c; 1 oz., 40c; 2 oz., 70c; ¼ lb., \$1.35.**

**EARLY YORK**—Very early; small heart-shaped. Firm and tender. **Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.**

**EXTRA EARLY EXPRESS**—The earliest variety in existence and produces rather small heads long before the Jersey Wakefield or other varieties have begun to head up. Heads solid, have few outside leaves, and can therefore be planted, very close and yield a large crop. It is a most important variety for the gardener. **Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.**



Copenhagen Market.

### LATE or WINTER VARIETIES

**AUTUMN KING**—Is extremely large and solid. Flat headed late variety. **Price: Pkt., 5c; oz., 30c; ¼ lb., 85c; postpaid.**

**HOLLANDER**—(Danish Ball Head)—Hardest heading variety known. Remarkable for great weight and long-keeping qualities. **Price: Pkt., 5c; oz., 40c; ¼ lb., \$1.35; postpaid.**

**LARGE LATE DRUMHEAD**—A favorite winter variety, extra large, solid heads. **Price: Pkt., 5c; oz., 30c; ¼ lb., 85c; postpaid.**

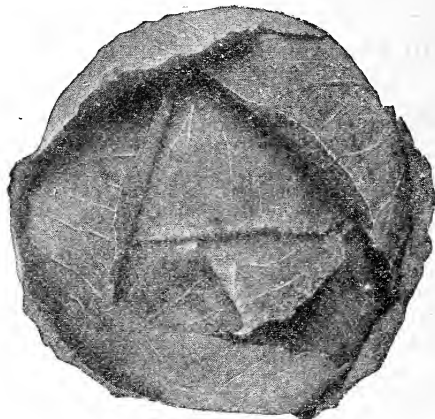
**PREMIUM LATE FLAT DUTCH**—(Selected Strain.) The heads are of a bluish-green color, flat on top, and are solid and large. Has no useless outer leaves and grows low with short stem. It cuts white and crisp, the flavor is excellent with no stringiness. **Price: Pkt., 5c; oz., 30c; ¼ lb., 85c.**

**RED DUTCH**—The best, largest and surest heading red cabbage. Used mostly for pickling. **Price: Pkt., 5c; oz., 30c; ¼ lb., 85c; postpaid.**

**SUREHEAD**—This cabbage never fails to make a fine, solid, large head, with few outer leaves. It is a vigorous grower, maturing late. First-class main crop variety. **Price: Pkt., 5c; oz., 30c; ¼ lb., 85c; postpaid.**

**THE LUPTON**—This variety is one of the best for main crop, combining the best qualities of the second-early and the late sorts. **Price: Pkt., 5c; oz., 30c; ¼ lb., 85c.**

FOR MARKET GARDENER'S PRICES SEE PAGES 26 AND 27.



Late Drumhead.

**EARLIEST ETAMPES, Earliest of All**—Exertmently early, with small, quite solid, pointed heads; excellent quality. **Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.**

**EARLY JERSEY WAKEFIELD**—Most gardeners depend upon it for the bulk of their extra early crop. Heads conical, very compact, solid and of excellent quality. **Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.**

**EARLY WINNINGSTADT**—One of the best, being very hardy and sure to head; suffers less from the cabbage worm than any other sort; heads regular, conical, very hard and keeps well. **Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.**

### SECOND EARLY or SUMMER VARIETIES

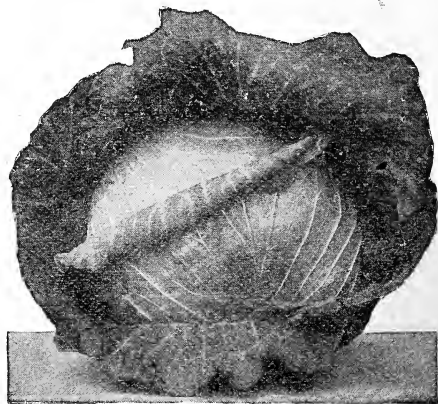
**EARLY DRUMHEAD**—A fine strain; of dark bluish-green color, plant very hardy, compact, flat head. **Price: Pkt., 5c; oz., 30c; ¼ lb., 85c; postpaid.**

**EARLY DWARF FLAT DUTCH**—An early cabbage of good size. Heads are flat and very solid. **Price: Pkt., 5c; oz., 30c; ¼ lb., 85c; postpaid.**

**EARLY SUMMER**—Deservedly popular with market gardeners throughout the country. It forms large, solid, round, flattened, compact heads of excellent quality, tender and sweet. The heads average over double the size of the Jersey Wakefield weighing eight to ten pounds each, while it matures only ten or twelve days later. **Price: Pkt., 5c; oz., 30c; ¼ lb., 85c; postpaid.**

**ALLHEAD EARLY**—Earlier than any other large cabbage, larger than any other early cabbage. Heads deep, flat, solid, uniform and very tender owing to its rapid growth. An all-the-year cabbage. We consider this one of the best second-early sorts on our list. **Price: Pkt., 5c; oz., 30c; ¼ lb., 85c; postpaid.**

**ALL SEASONS (Vandergaw)**—This excellent sort is early, maturing a week or ten days after All Head Early; makes larger and harder heads than that sort, averaging ten to fifteen pounds in weight. Truly an all-season variety. **Price: Pkt., 5c; oz., 30c; ¼ lb., 85c.**



Late Flat Dutch.



## Carrots

One ounce to row 100 feet long. 2½ lbs. per acre. Ready for table in from 95 to 120 days from seed, according to variety. Any good land, if thoroughly and deeply worked, will produce satisfactory crops. Sow as early as the ground can be worked, sow the smaller kinds in rows 16 to 18 inches apart. For field culture sow in drills 18 to 24 inches apart.

**CHANTENAY**—The market gardener's and trucker's favorite. It is an early, very prolific, half long, stump-rooted, variety, smooth-skinned, fine in appearance and entirely coreless. It is pulled very easily. The color is a rich orange and the texture and quality are unsurpassed. The finest of all sorts, and it is undoubtedly the best bunching carrot for early market use.

**DANVER'S HALF LONG POINTED**—A half long orange carrot, grown largely on account of its great productiveness and adaptability to all classes of soil. Roots six to eight inches long, tapering uniformly to a blunt point. Flesh deep orange, tender and of good quality. Although the roots of this variety are comparatively short they often produce as large a bulk as the longer field sorts and, are more easily harvested.

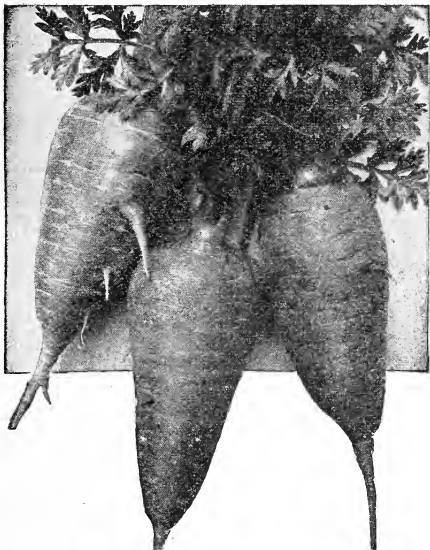
**EARLY or SHORT**—One of the most popular varieties grown; color deep orange; flesh fine grained and of agreeable flavor; tops small; has a short stump-shaped root. Grows well in shallow soil one of the best for early outdoor planting and for table use.

**HALF LONG STUMP ROOT**—The tops are of medium size, roots deep orange, large, tapering to a dull point. Smooth, crisp and tender.

**HALF LONG SCARLET NANTES**—The leaves are fine, the roots are almost cylindrical, very smooth, of good shape and size, and about six inches long; the flesh is red and very sweet. They are easily pulled, and keep well. A most excellent sort.

**IMPROVED LONG ORANGE**—The roots grow uniform and smooth, 8 to 10 inches long, of large size and deep, rich orange color. It is a good keeper and of fine quality for table use, also highly nutritious for stock. A heavy yielder, best late carrot.

**OX HEART or GUERANDE**—A thick carrot, five inches long and very blunt at the lower extremity. It grows very rapidly, and the roots attain a weight of more than a pound. It is tender, of good flavor and of a deep orange color and is a variety we can recommend to all market gardeners.



Danver's Half Long.

PRICE OF ALL TABLE CARROTS,  
PKT., 5c; OZ., 10c; ¼ LB., 30c;  
POSTPAID.

## CARROTS FOR STOCK

Sow 4 to 6 lbs. to the acre in April or May.

These are undoubtedly the most valuable of all the roots usually grown for stock. They are more nutritious than turnips and nearly all animals like them and are benefited by them.

**LARGE WHITE BELGIAN**—Grows one-third out of ground. Roots pure white, green above ground with small top. Flesh rather coarse. The roots grow to a large size. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c; postpaid.

**LARGE YELLOW or VICTORIA**—Largest, heaviest cropping and most nutritious variety in cultivation; roots fine, of light orange color, and possessing high feeding properties; good keeper. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c; postpaid.

## CELERY

One ounce to 3,000 plants or 200 feet of drill.

Sow the seed, (which is slow to germinate in shallow boxes or hotbed, cover the seed not too deep. Keep the bed moist, almost wet, until the seeds germinate. When about four inches, thin out and transplant so that they may stand three inches apart, when the plants are four inches high, cut off the tops, which will cause them to grow stocky. The essentials to success in celery growing are rich soil and plenty of water. The best results are usually obtained, from setting about the middle of June or the first of July.

**CELERIC GIANT PRAGUE**—The roots of this celery are turnip-shaped, large and smooth; are almost round and with a very few side roots. Sweet and tender and, may be cooked like turnips or eaten like radishes; used largely for seasoning meats and soups. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c; postpaid.

**GIANT GOLDEN HEART**—This variety attains a large size, is not only a good keeper, but is large, solid, as sweet as a walnut, and of a beautiful golden color. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c; postpaid.

**GIANT PASCAL**—One of the best for fall and winter use. The stalks are very large, solid, crisp and of rich, nutty flavor. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c; postpaid.

**GOLDEN SELF-BLANCHING**—This is without doubt the best celery for general use, the ribs are perfectly solid, crisp, brittle and of delicious flavor, while it has the decided merit of being self-blanching to a very remarkable degree. Price: Pkt., 5c; oz., 40c; ¼ lb., \$1.25; postpaid.

**WHITE PLUME**—A variety specially adapted to cultivation by amateurs, as its inner stalks and leaves are naturally white. By simply tying up the stalks and drawing up the soil with the hoe the work of blanching is complete. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c; postpaid.



Golden Self-Blanching.



## Sweet Corn

One pound will plant 100 hills; 15 to 20 pounds to the acre in hills.

Sweet Corn being liable to rot in cold, wet ground should not be planted before May, or until the ground has become warm; practically nothing is gained, in time, and much is lost in quality by planting too soon.

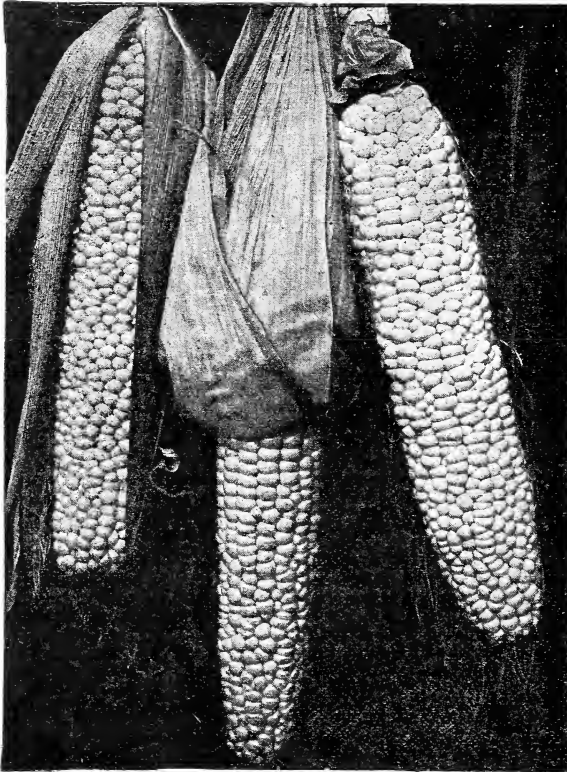
**EXTRA EARLY PREMO**—A real Sweet Corn as early as Extra Early Adams. Large, sweet and tender. Plant early, as it will stand some frost. **Price: Pkt., 5c; lb., 30c; postpaid.**

**ARISTOCRAT (The Peer of all Sweet Corn)**—This delicious sweet corn was first introduced a few years ago. It is a reliable extra sort and an extra early variety, stalks grow 4 to 6 ft. high and ears of large size. Grains are extremely sweet and, being broad, allow of easy scoring with the knife preparatory to buttering when eating from the cob. **Price: Pkt., 5c; lb., 40c; postpaid.**

**GOLDEN BANTAM**—Extremely hardy, can be planted earlier than any other true sweet corn, thus producing the earliest supply. Ears 6 inches long, with 8 rows of grains, which are a golden yellow when ready for use. Can be planted thickly, and every stalk should have from 1 to 3 perfect ears. **Price: Pkt., 5c; lb., 35c; postpaid.**

**HOWLING MOB**—Its peculiar but apt name refers to the vociferous demand for the ears when the originator, Mr. Keller, took them to market. The stalks are of strong, vigorous growth, 4½ to 5 feet in height, have abundant foliage and generally produce two fine ears to a stalk. The ears measure from 7 to 9 inches in length with twelve to fourteen rows of good sized pearly-white grains. **Price: Pkt., 5c; lb., 30c; postpaid.**

**EARLY CHAMPION**—Only a few days later than the extra earlies, bearing large, handsome, twelve-rowed ears. Deep, white, plump, grains of milky tenderness and very sweet. Very productive. **Price: Pkt., 5c; lb., 30c; postpaid.**



Country Gentleman.

**EXTRA EARLY PREMO**—A real Sweet Corn as early as Extra Early Adams. Large, sweet and tender. Plant early, as it will stand some frost. **Price: Pkt., 5c; lb., 30c; postpaid.**

**PEEP O'DAY**—The two points of this new corn are its extraordinary earliness and sweetness. It is also very productive, the stalks bearing from two to five ears, are very dwarf, which admits of their being planted close together. **Price: Pkt., 5c; lb., 30c; postpaid.**

**COUNTRY GENTLEMAN (Shoe Peg)**—Has a small cob densely covered with irregular rows of very long, slender grains of fine quality. **Price: Pkt., 5c; lb., 35c; postpaid.**

**CROSBY'S EARLY**—Remarkably early and of the best flavor. Ears of medium size, twelve-rowed, with grains very tender and sweet. **Price: Pkt., 5c; lb., 30c; postpaid.**

**EARLY EVERGREEN**—This is a very popular Sweet Corn. It is in the second early class, comes to maturity fully ten to twelve days earlier than Stowell's Evergreen and yields large, handsome ears of most delicious flavor. It has a ready sale in the market on account of its handsome appearance and earliness. **Price: Pkt., 5c; lb., 30c; postpaid.**

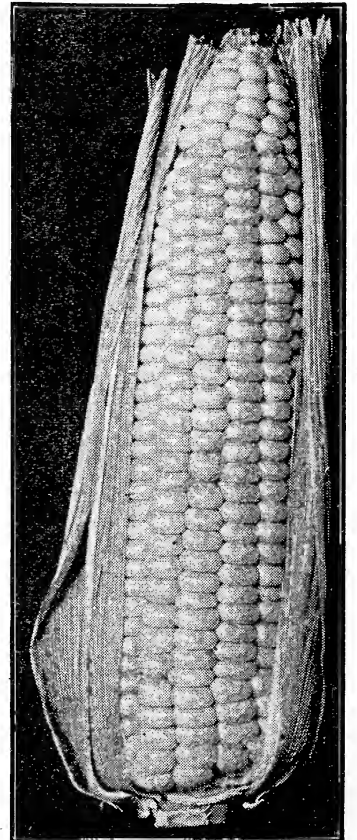
**EARLY MINNESOTA**—One of the best early sorts for the market or private garden. Salks four to five feet high and bearing one or two long, eight-rowed ears; kernels very broad, sweet and tender, not shrinking much in drying. **Price: Pkt., 5c; lb., 30c; postpaid.**

**MAMMOTH SUGAR**—Produces the largest ears of any sort; excellent quality, sweet, tender, delicious; late variety. **Price: Pkt., 5c; lb., 30c; postpaid.**

**MAMMOTH WHITE CORY**—Nearly as early but larger than Early Cory. The ears are 12-rowed; grains are broad, very white and of excellent quality for an early sort. **Price: Pkt., 5c; lb., 30c; postpaid.**

**STOWELL'S EVERGREEN**—The standard main crop variety. It is hardy, large growing and productive, very tender and sugary, remaining a long time in condition suitable for boiling. **Price: Pkt., 5c; lb., 30c; postpaid.**

**PAPAGO SWEET CORN**—We call it Papago because a few kernels were found several years ago on the Papago Indian Reservation south of Tucson, Arizona. It thrives well on heat and grows and prouduces admirably in an arid section. The stalks grow to a height of about 7 feet, and each one produces from two to four well-filled ears of the sweetest and most delicious corn one ever ate from a cob. In a hot, dry section it will outyield all varieties of Sweet Corn nearly 10 to 1. **Price: Pkt., 10c; lb., 40c; postpaid.**



Aristocrat.

For your convenience in ordering we have made up a number of Seed Collections. You will find them in different places in the Seed Department. If you wish a collection just order by number.



## Cucumbers

One ounce to .50 hills; 2 to 3 lbs. to the acre. Earliest varieties ready for table use in 50 to 55 days from seed. Main crop in 65 to 75 days.

As soon as the weather becomes settled and warm, plant in hills 4 to 6 feet apart each way, with 8 or 10 seeds in a hill; cover half an inch deep, smoothing the hill off with the hoe. Keep the soil well stirred, and when the plants are out of danger of insects, leave 3 or 4 plants to a hill.

**BOSTON PICKLING or GREEN PROLIFIC**—One of the best pickling varieties; dark green, tender, crisp and productive. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**DAVIS PERFECT**—This cucumber has the merit of being not only a first-class variety for forcing under glass, but is equally good for outdoor culture. The color is a dark, glossy green; in shape it is smooth and symmetrical with an average length of ten to twelve inches. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**EARLY CLUSTER**—A short pale green variety; fruit borne in clusters near the root, containing few seeds. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

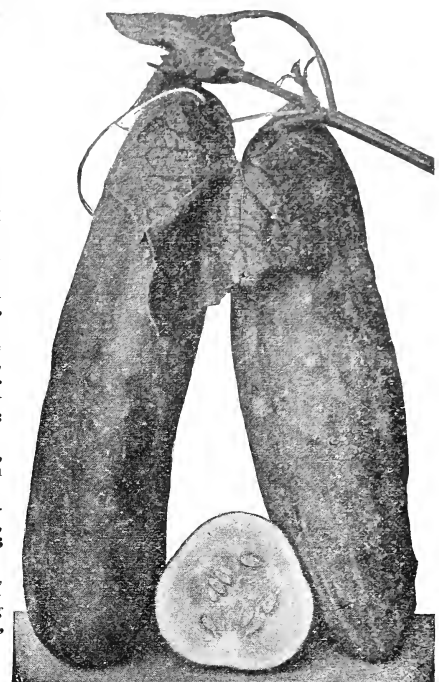
**EARLY FRAME or SHORT GREEN**—Excellent for table use and for pickling. Fruit straight, smaller at each end; bright green, flesh tender and crisp. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**EVERBEARING**—Small, very early and productive; solid, few seeds and of fine quality. It continues to bear until frost. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**IMPROVED JERSEY PICKLING**—A standard small variety, dark green, tender, crisp, productive, of fine flavor and uniform size. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**IMPROVED EARLY WHITE SPINE**—For forcing it is preferred to all others. Flesh tender and crisp. Fruit uniform in size, straight and light green, with a few white spines. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**JAPANESE CLIMBING**—The vines can be trained to climb, thus requiring less ground space. The cucumbers are thick, tender, and of a delicate flavor, flesh white; skin dark green, turning to brown and netted when ripe. Price: Pkt., 5c; oz., 10c; ¼ lb., 35c; postpaid.



Davis Perfect.



White Spine.

**IMPROVED LONG GREEN**—A well-known standard, main crop variety, about 9 inches long, of excellent quality, and makes the best of pickles. Price: Pkt., 5c; oz., 10c; ¼ lb., 35c; postpaid.

**LEMON CUCUMBERS**—A new kind of cucumber, called the "Lemon." It is similar in color and shape to a lemon, hence its name. Its flavor is delicious and it is never bitter. Excellent for slicing—we know of none equal to it; used in salads and when quite small is often eaten like radishes. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

### CORN SALAD

This is a hardy winter salad, the small leaves being served like lettuce during the cool fall and, early winter months. It is used for garnishing meat dishes in the same manner as parsley and cress. The seed should be sown thinly in drills during August, September and October to supply fresh leaves during the cool fall and winter months. It is quite hardy, and after cool weather sets in can be protected by a thin mulch of hay or straw. Price: Pkt., 5c; oz., 15c; postpaid.

### CHIVES

**CHIVES (Schnittlauch)**—A perfectly hardy plant, something like an onion. Tops are cut off from time to time and used to flavor soup. Price: Seed, pkt., 10c; clumps, 25c each; postpaid. By express, \$1.50 per dozen.

### COLLARDS

The Collard makes excellent greens and is also excellent for all kinds of stock. The leaves may be pulled from underneath the head of the plant and cattle, hogs and poultry are very fond of it. Such action does not injure the growing and preserving of the Collard for human food. Price: Pkt., 5c; oz., 20c; ¼ lb., 60c; postpaid.

### CHUFAS OR EARTH ALMOND

In sweetness and flavor very much resembles a cocoanut or almond and greatly liked by all children. Vary in size from a large pea to a hazelnut. The nuts grow under and very near the surface of the ground, easily reached and relished by pigs and poultry. As soon as the crop is grown, turn the animals into the field, thus saving the labor of harvesting and feeding, and when either hogs or chickens get a taste of them, they will go over the whole field in search for them. Very prolific, nutritious and fattening. Price: Pkt., 5c; ¼ lb., 20c; ½ lb., 35c; lb., 60c

### CRESS OR PEPPERGRASS

Ready in from 21 to 40 days. Cress should be sown in a sheltered spot quite thick in shallow drills, in a short time it will be fit for cutting. Sow frequently, as it matures rapidly.

**EXTRA CURLED**—This small salad is much used with lettuce. The warm, pungent taste makes a most agreeable addition. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

**WATER CRESS**—Hardy perennial, growing rapidly on the banks of streams or ponds. Price: Pkt., 5c; ½ oz., 25c; oz., 40c; postpaid.

REMEMBER ALL 5c PACKAGES OF SEED LISTED IN THIS CATALOG ARE ALSO 6 FOR 25c



## KOHLRABI

One ounce to 300 feet of drill, and makes 3,000 plants.

A vegetable intermediate between the cabbage and turnip. The edible bulb is served like turnip. Sow from May to July in rows 18 inches apart, and thin. Cultivate the same as cabbage.

**EARLIEST SHORT-LEAVED WHITE VIENNA FORCING**—This variety is especially adapted for early work and forcing; delicate flavor, flesh white and very tender. Price: Pkt., 5c; oz., 40c; ¼ lb., \$1.25; postpaid.

**EARLY WHITE VIENNA**—A favorite sort; flesh white and tender. Price: Pkt., 5c; oz., 40c; ¼ lb., \$1.25; postpaid.

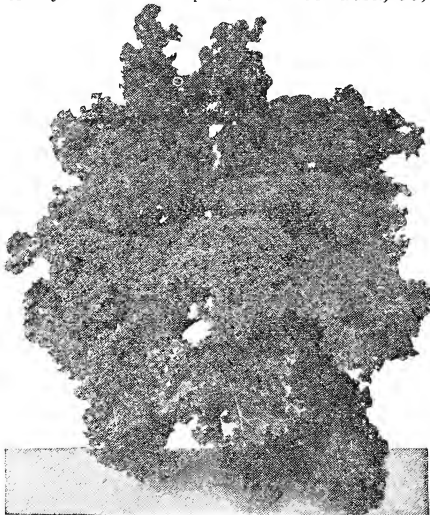
**EARLY PURPLE**—Purple outside with white flesh. Price: Pkt., 5c; oz., 40c; ¼ lb., \$1.25; postpaid.

## EGG PLANT

One ounce to 1,000 plants. Ready for table in 145 to 160 days.

A tender plant, start early in hotbed or in the house. Plant out early in June, care being necessary to prevent plants being chilled by the change.

**BLACK BEAUTY**—Is ten days to two weeks earlier than New York Improved. The fruits are large, of a rich, glossy purplish black color, very handsome and attractive. It is entirely free from spines. Price: Pkt., 5c; oz., 75c; postpaid.



Kale, Tall Scotch.

**IMPROVED NEW YORK PURPLE**—Entirely spineless. Low growing plants, stalky and branching, bears early and almost continuously. Fruits are large, satiny smooth and a rich purple color. Price: Pkt., 5c; oz., 75c; postpaid.

## FINOCCHIO

**FLORENCE FENNEL**—A delicious vegetable which should be more largely grown in this country. It is extensively used in Italy as a salad, and also may be served boiled. When the enlargement of leaf stalk, at base of stem, is about the size of a hen's egg it should be earthed up so as to cover half of it and in about ten days cutting may be commenced and continued as the plants increase in growth. The flavor is somewhat like celery but it has a sweet taste and delicate odor. Price: Pkt., 5c; oz., 40c; ¼ lb., \$1.25; postpaid.

## LENTILS

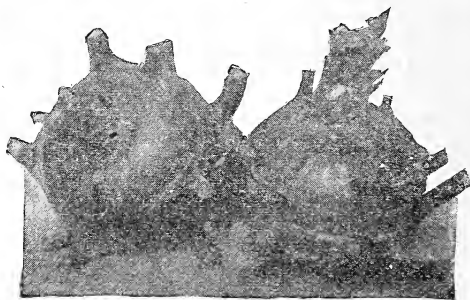
A leguminous annual, resembling peas, with round, flat seeds, which are much used for soup and making a delicious dish; they are also splendid for pigeon feed. The stems and leaves make good fodder. Succeeds well on dry soil. Price: Pkt., 5c. Write for price in larger quantities.

## HORSERADISH

This splendid appetizer cannot be overestimated. Twenty-five plants are sufficient for a family. The roots grow and increase rapidly in size with each succeeding year. Plant in a corner of the yard where you wish it to grow and you can begin digging the next year. Postpaid, 50c doz.; not postpaid, 40c doz.

## CHINESE OR CELERY CABBAGE

A delicious celery-flavored cabbage. Large, compact head, crisp, tender and brittle with a fine celery flavor. Makes a most excellent salad or may be cooked as cabbage. Culture the same as for winter cabbage. When large enough should be blanched by earthing up and tying closely with burlap. Price: Pkt., 5c; oz., 50c; ¼ lb., \$1.75; postpaid.



Kohlrabi, Purple Vienna.

## ENDIVE

One ounce to 100 feet of drill. Ready for table in 43 to 50 days from seed.

One of the best autumn and winter salads. Sow from June until August, ½ inch deep in drills 14 inches apart and thin out to one foot apart in rows. When nearly grown, bleach by tying tips of leaves together.

**GREEN CURLED, WINTER**—Very hardy; leaves dark green and tender. Much better than the common varieties. Price: Pkt., 5c; oz., 40c; ¼ lb., \$1.25; postpaid.

**MOSS CURLED**—Leaves very finely curled. Price: Pkt., 5c; oz., 40c; ¼ lb., \$1.25; postpaid.

**WHITE CURLED**—Very tender when cut young; blanches readily. Price: Pkt., 5c; oz., 40c; ¼ lb., \$1.25; postpaid.

## KALE OR BORECOLE

This is a popular boiling-green for fall, winter and early spring use, resembling cabbage in flavor. The plant is entirely hardy in well-drained soil and can be grown easily from seed planted during the summer and fall months. The plants are usually cut off for use when the leaves are 6 inches in length. The sweetness and flavor of these greens are improved by freezing weather. One ounce should produce 4,000 plants.

**DWARF KALE**—The leaves are curly, bright green, very tender, and delicate flavor. Price: Pkt., 5c; oz., 20c; ¼ lb., 65c; postpaid.

**TALL GREEN CURLED**—About two feet high, with numerous dark green curled leaves. Price: Pkt., 5c; oz., 20c; ¼ lb., 65c; postpaid.



Chinese Cabbage.





## GARDEN HERBS

Herbs delight in a rich, mellow soil. Those marked with an \* are perennial. Sow early in spring in shallow drills, one foot apart; when up a few inches thin out; cut just before they come into full blossom, tie in bunches and hang up or spread thinly.

**DILL**—Leaves and seed are used in soups, sauces and pickles. It reseeds itself each year. Price: Pkt., 5c; oz., 15c; ¼ lb., 50c; postpaid.

**\*LAVENDER**—Aromatic, medicinal herb. Price: Pkt., 5c; oz., 20c; ¼ lb., 75c; postpaid.

**MINT**—The old-fashioned mint has been growing in favor of late years. Used in flavoring meats, etc., also for mint sauce. Easily grown. We offer only roots. Price, per clump, 20c; 2 for 35c; postpaid.

**\*MAJORAM (Sweet)**—Leaves and shoots used for seasoning. Price: Pkt., 5c; oz., 20c; ¼ lb., 75c; postpaid.

**LEEK (American Flag)**—The Leek is a very hardy plant with a sweet onion-like flavor. It does not make bulbs, but the plant has a long, thick neck somewhat resembling the young growth of the onion in the spring. These necks or stems are blanched in the fall by drawing the earth up about them as the plants increase in growth. Price: Pkt., 5c; oz., 15c; postpaid.

**\*SAGE**—Most useful herb for seasoning. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

**SUMMER SAVORY**—Used for flavoring soups. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.



Improved Hanson Head.

**\*THYME**—For medicinal use. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

## LETTUCE

One ounce to 400 feet of drill. Ready for use in 3 or 4 weeks; marketable size 60 to 75 days from seed.

### CURLED OR LOOSE LEAF VARIETIES

**BLACK SEEDED SIMPSON**—The leaves are large and form a compact mass. They are thin, tender and of a very light green color. Well adapted for growing under glass or for very early spring use. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**EARLY PRIZE HEAD**—Forms a mammoth plant, in which even the outer leaves are crisp and tender; color bright green tinged with brownish red. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**EARLY CURLED SILESIA**—An early, erect growing and loose heading lettuce, especially adapted for outdoor planting, and can be used when very young.

### CABBAGE OR HEADING VARIETIES

The best results with head or cabbage sorts is only obtained when the plants are transplanted several times.

**BIG BOSTON**—A large heading, forcing sort, very hardy and vigorous, with broad, comparatively smooth, thin and very hard, bright green leaves. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**ICEBERG**—Makes a large, handsome, crisp head, conical in shape, tightly folded and well balanced; outer leaves fringed. Very highly esteemed for its beautiful appearance and mild flavor, even during hot summer months. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

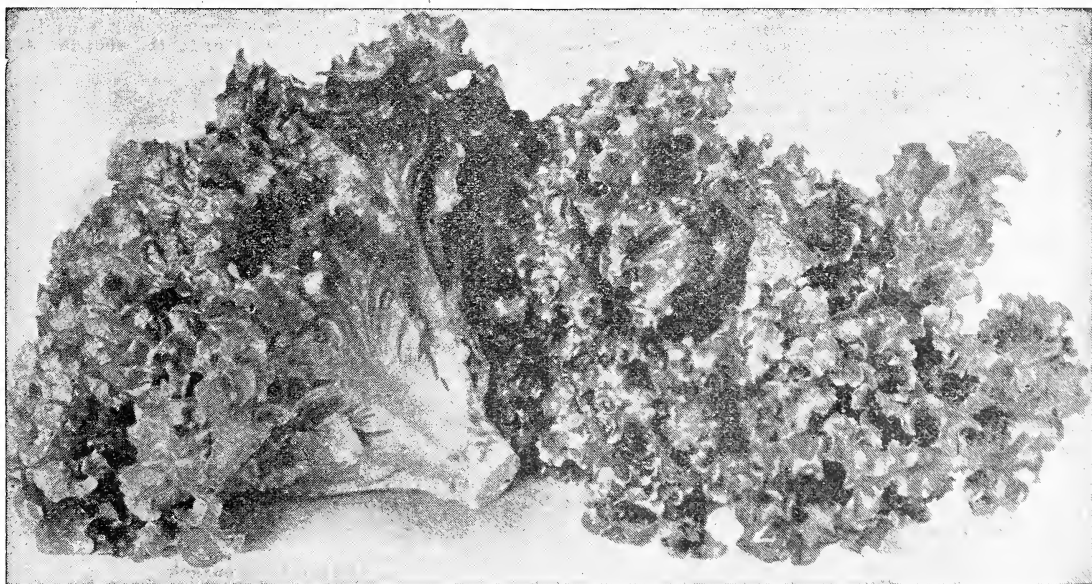
**GRAND RAPIDS**—As a lettuce for greenhouse forcing, this variety undoubtedly stands at the head of the list, being of quick growth, little liable to rot and standing for some days after being fit to cut. The plant is upright and forms a loose cluster of large, light leaves. It is also excellent for outdoor planting. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**SIMPSONS EARLY CURLED**—Leaves broad, frilled and blistered. Light green, sweet, tender, and well flavored. An early, erect growing sort. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**HANSON**—Forms a large, flat head, resembling that of cabbage and so slow to form a seed stalk that it often fails to seed at all. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**DENVER MARKET**—An early variety of Head Lettuce, either for forcing or open ground. It forms large heads, of good light green color. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**CALIFORNIA CREAM BUTTER**—Forms round, crisp, solid heads, of buttery flavor, medium early. One of the best summer varieties of head Lettuce. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.



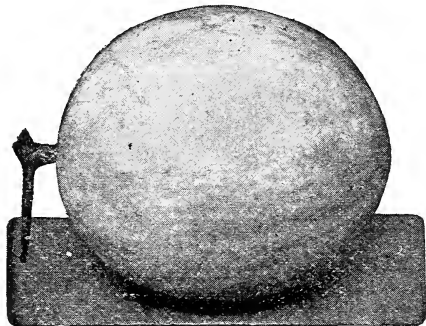
Simpson's Early Curled.



## MUSK MELONS

One ounce to 50 hills; 2 to 3 pounds per acre. Earliest varieties ready in 90 to 100 days from sowing. General crop requires 115 to 140 days.

Melons thrive best in the light, rich soil. Plant when the ground has become warm and dry. The letter G following name signifies green meat; S, salmon-colored.



Honey Dew.

**HONEY DEW MELON**—The original seed of this new melon was secured from a melon shipped from Africa to New York City. This seed was planted at Rocky Ford, Colo., and crossed with the genuine, original "Rocky Ford" cantaloupe by pollenization. The following season this hybrid seed was again crossed with the improved Hybrid Cassaba. It was named "Honey Dew" because it is as sweet as honey and has the mingling of several flavors—pineapple, banana and vanilla predominating. The average size of the melon is 6 inches in diameter and 7 to 8 inches in length, weighs 5 to 6 pounds. The seed cavity is very small, the rind impervious to water, the melon does not shrink in weight, is not easily bruised and is a splendid shipper. Yields at the rate of 8,000 to 10,000 melons per acre. The melon slips from the vine when ripe and will keep for several weeks; the late maturing ones may be kept until Christmas. Will grow where Rocky Ford varieties will thrive. Price: Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60; postpaid.

**EXTRA EARLY HACKENSACK. G.**—Ten days earlier than Hackensack. Melons weigh 4 to 10 pounds each. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10; postpaid.

**HACKENSACK. G.**—A popular variety of large size. It is round in shape, flattened at both ends, of most delicious flavor and wonderfully productive. Flesh green. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10; postpaid.

**PAUL ROSE or PETROSKY. S.**—It is an ideal melon, form oval, about 5 inches in diameter. It has the flesh color and quality of Osage with a flavor entirely its own. It has no equal as a market melon for professional growers. Price: Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.25; postpaid.

**DELICIOUS GOLD LINED ROCKY FORD CANTALOUPE**—This strain of the Eden Gem type is the result of several years' selection by one of the most progressive farmers of Rocky Ford, Colo. Its shape is ideal, very slightly oval, no ribs, and it is heavily netted over the entire melon. It is thick meated, fine grained and sweet; color green with a gold margin next to the seed cavity. Price: Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00; postpaid.

**ROCKY FORD. G.**—This variety has everywhere been in great demand. Hundreds of carloads have been shipped from the little town of Rocky Ford, Colo., to the large cities, taking the place of other varieties. Of just the right size for table use. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10; postpaid.

**SANTA CLAUS MELON**—Just think of having a melon to eat with your Christmas dinner! But this is what is claimed by the originator of this wonderful novelty. There is no seed cavity. The seeds are embedded in a jelly-like pulp. The light green flesh is absolutely stringless; its flavor excels anything in the melon line; it is in a class by itself and is beyond description. This melon should become more popular than the Rocky Ford because it is more delicious and it is a Christmas melon. Price: Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.60; postpaid.

**VINE PEACH. S.**—The fruit is a bright orange color, oval shaped and about the size of an ordinary peach, which it resembles very much. These melons

are unequalled for pies, preserves or sweet pickles. Price: Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.60; postpaid.

**BANANA CANTALOUPE. S.**—The melons grow 24 to 30 inches long; stand summer sun as no other cantaloupe will, and continue to bear until late in the season. The salmon-colored flesh is thick and of delicious banana-like flavor. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.35; postpaid.

**BURRELL'S GEM. S.**—Very much like Rocky Ford, but has orange colored flesh. The flesh is fine grained and spicy. It is a good keeper. Fruits large and somewhat elongated. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.35; postpaid.

**CHICAGO MARKET. G.**—This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy, delicious flavor and free from rot. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10; postpaid.

**EDEN GEM or NETTED ROCKY FORD CANTALOUPE. G.**—This magnificent new muskmelon is a selection of the old Rocky Ford, which it completely surpasses in lusciousness, yield, carrying, and good selling qualities. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10; postpaid.

**EMERALD GEM. S.**—Where an extra melon for home use is wanted, nothing can equal this superb sort. Of medium size, outside skin emerald green and smooth. Ripens clear through to rind, which is very thin. Flesh is thick and juicy, of nice salmon color. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25; postpaid.

**NEW BUSH MUSKMELON**—A compact, bush-growing variety. Contrary to expectations, it is unusually productive; permitting close planting, the yield per acre is considerably increased. It is one of the most delicious flavored and most spicy melons in cultivation. Deeply netted with shallow ribs, the flesh is light green and of exquisite quality. The plants grow 15 to 18 inches wide, should be planted in hills 2½ feet apart, 3 to 4 plants to a hill; they yield twice as much as vine sorts. Price: Pkg., 20c; oz., 30c; ¼ lb., 85c; lb., \$3.00; postpaid.

**NUTMEG. G.**—Fruits round, 7 inches in diameter, slightly flattened at the ends. Well ribbed and heavily netted; thick pale green flesh, sweet and melting. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10; postpaid.

**OSAGE or MILLER'S CREAM. S.**—A standard sort, medium size, oval, dark green, netted and slightly ribbed. The flesh is thick and firm, rich salmon colored, highly flavored and delicious to the rind. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25; postpaid.



Large Hackensack.



## WATERMELONS

Ready from 90 to 140 days from seed. One ounce to 30 hills; 4 lbs. per acre.

To get good strong vines early in the season, make large, well drained hills of earth, made very rich, about eight feet apart. In these plant the seed as soon as the ground is warm and dry, and carefully protect the young plants from insects, and hasten their growth by the use of liquid manure. ls, light seed; ds, dark seed.

**ALABAMA SWEET**—ls. This is a large oblong melon; color, dark green with faint lighter stripes. Being of good size though not ungainly, it is first class for shipping purposes. Its flavor is simply delicious, it is entirely stringless. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**BLACK BOULDER**—ds. It is nearly round in shape, reaching a mammoth size, with rich dark green skin. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**COLORADO PRESERVING CITRON**—ds. This is a large fruiting strain of citron for preserving. Flesh clear white and very solid. Green seed. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**COLE'S EARLY**—A very choice melon for the home garden and can be grown farther north than any other variety. The flesh is bright red, crisp and very delicate in texture. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**CUBAN QUEEN**—ds. One of the latest varieties, skin striped dark and light green; heavy cropper;

flesh bright red, luscious. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**GYPSY or GEORGIA RATTLESNAKE**—ls. One of the largest, oldest and most popular sorts, especially in the South. Fruit very long, of light green color, distinctly striped and blotched with a darker shade. Flesh bright scarlet. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**HALBERT'S HONEY**—ls. A splendid sort for home use or local market. Vine vigorous and productive; fruit large and oblong; color dark glossy green. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; postpaid.

**ICE CREAM** (Peerless)—ls. Medium in size, almost round; the skin is pale green; slightly mottled; flesh bright scarlet, solid to the center. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**KENTUCKY WONDER**—Distinct, and the melon itself proves it. In shape it is oblong, attaining a good size; skin dark green and beautifully marked. Extra fine flavor. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70; postpaid.

**KLECKLEY'S SWEETS** (Monte Cristo)—ls. Large, oblong melon, skin dark green. Rind about ½ inch in thickness. The scarlet flesh is sweet and sugary and of such texture that it leaves no strings of pulp in eating. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; postpaid.

**McIVER'S WONDERFUL SUGAR**—ls. The melons attain a great weight, are of a very handsome appearance, never crack or lose their fine flavor. Price: Same as Kolb's Gem.

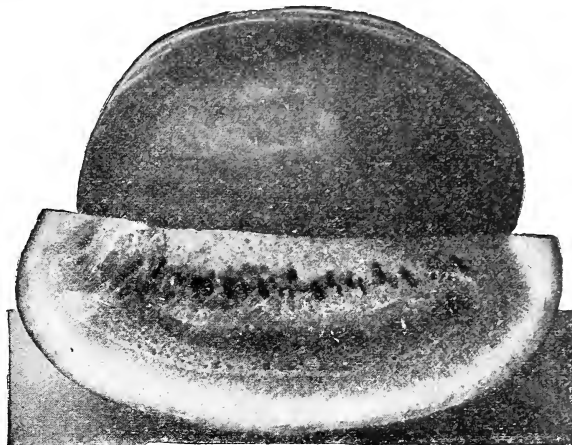
**KOLB'S GEM**—A favorite on account of its excellent shipping qualities. It is extensively grown for that purpose. Nearly round; color a dark green with lighter narrow strips. Very thin rind; flesh bright red, good flavor. Our seed is choice. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**MOUNTAIN SWEET**—The old standard still quite popular in the North, where the large fruited southern sorts do not ripen. Early, fruit large, oval, rind dark green, flesh scarlet. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

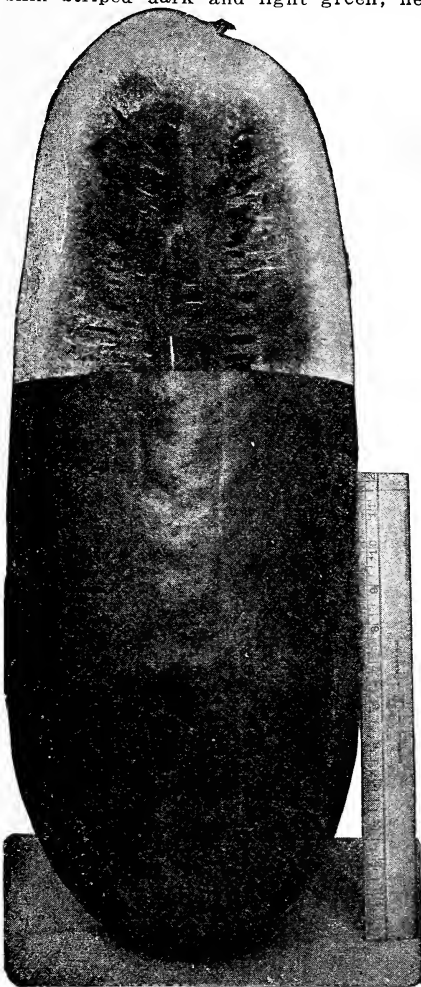
**PHINNEY'S EARLY**—Very early, quality good; hardy. Bears abundantly, medium sized, oblong melons with thin, smooth rind; flesh pink and tender. Price: Same as Kolb's Gem.

**SWEETHEART**—ds. Vine vigorous and productive, ripening its fruit early; fruit large, oval, very heavy, uniformly mottled. Green and light green; rind thin, but firm, flesh bright red, firm and solid but very melting and sweet. The melons retain their good quality for a long time. Price: Same as Kolb's Gem.

**TOM WATSON** (The Most Popular of All Melons)—ds. It is a long, green variety covered, with a fine netting, giving it a most attractive appearance. The flesh is of most superb quality and intensely red color. The rind is thin, but hard and tough, and is unequaled as a market and shipping sort. The melons are of large size and heavy, about 24 inches long and 10 to 12 inches through. A good yielder and great money maker in all markets. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; postpaid.



Kolbs Gem.



Tom Watson.

## MUSTARD

**CHINESE**—The immense leaves grow rapidly, and can be cut frequently until killed by frost. Leaves are eaten boiled, like Spinach. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c; postpaid.

**MAMMOTH SOUTHERN CURLED**—The large curled-leaf variety, popular in the South, where the seed is sown in the fall for spring use. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c; postpaid.

**WHITE**—A small pungent salad; the seed is also used for flavoring pickles, etc. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c; postpaid.



# ONIONS

One ounce to 300 feet of drill; 4 to 5 lbs. to the acre. Ready for green onions in 60 days. Main crop matures in 130 to 190 days from sowing.

The onion is most successfully grown in a rich, sandy loam. Continued cultivation upon the same plot of ground, contrary to the general rule, rather improves the crop than otherwise. As early as the ground can be worked in the spring, sow the seeds in drills 14 inches apart, covering half an inch. When plants can just be seen in the rows, commence hoeing, skimming the surface. Subsequently weed thoroughly and carefully by hand. When tops die, pull onions and spread evenly over the ground; stir or turn until thoroughly dried, then cut the tops off 1/2 inch from the bulb.

**AUSTRALIAN BROWN**—Distinct from all others; is nearly round, wonderfully hard and solid; ripens extremely early; never makes scullions; of medium size, skin a deep amber brown, flesh mild and agreeable. Price: Pkt., 5c; oz., 20c; 1/4 lb., 60c; postpaid.

**EXTRA EARLY RED FLAT**—Matures very early, yields abundantly, and is of mild flavor; medium size; deep red and solid. Price: Pkt., 5c; oz., 20c; 1/4 lb., 60c; postpaid.

**GLOBE WETHERSFIELD, RED**—Remarkable for size, earliness, productiveness, beauty of color, perfection of shape, and long keeping qualities. Possesses all the excellent qualities of Red Wethersfield and Yellow Globe Danvers. Price: Pkt., 5c; oz., 25c; 1/4 lb., 75c; postpaid.

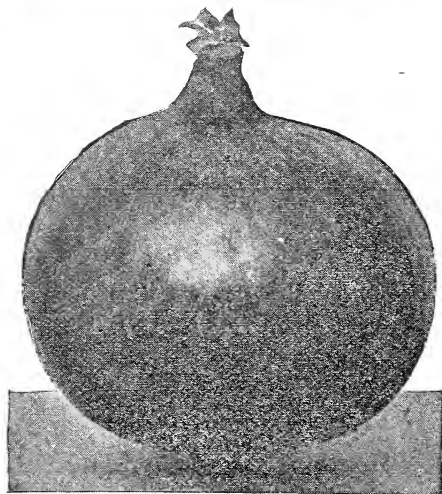
**LARGE RED WETHERSFIELD**—This is the standard and favorite variety. Large size, deep purplish white, stronger flavored than large varieties. Very productive and an excellent keeper. Price: Pkt., 5c; oz., 20c; 1/4 lb., 70c; postpaid.

**SOUTHPORT WHITE GLOBE**—Of all our American varieties of market onions, this generally commands the highest price. Of true globe form, the onions are two or two and a half inches in diameter, with a thin, delicate skin of purest paper whiteness. The flesh is crisp, fine grained, snowy white in color and very mild flavor. Price: Pkt., 5c; oz., 30c; 1/4 lb., 95c; postpaid.

**SOUTHPORT YELLOW GLOBE**—Conspicuous, large, golden yellow spheres, of exceptional beauty; a late, large, main crop variety; best keeping quality. The buyer of a packet and the planter for carload shipments are equally enthusiastic over this gem among onions. Price: Pkt., 5c; oz., 20c; 1/4 lb., 65c; postpaid.

**WHITE QUEEN**—This is the best of all for small pickles and the earliest ripening onion in cultivation. The bulbs, of a pure paper-white are generally very small. Price: Pkt., 5c; oz., 35c; 1/4 lb., \$1.00; postpaid.

**WHITE PORTUGAL or SILVER SKIN**—Standard white variety for general culture. Bulbs grow to good size, ripening early and quite evenly. A good keeper; handsome appearance. Price: Pkt., 5c; oz., 25c; 1/4 lb., 80c; postpaid.



Red Wethersfield Onion.

**MAMMOTH SILVER KING**—Averages 15 to 22 inches in circumference and weigh 2 1/2 pounds each. Matures early and is uniformly large and of good shape, is flat but thick. Skin is clear silver white, flesh snowy white. Price: Pkt., 5c; oz., 35c; 1/4 lb., \$1.00; postpaid.

**MAMMOTH PRIZE TAKER**—One of the largest handsomest, finest flavored, and in every way a choice variety of yellow onion, having been grown to enormous weight of over 6 lbs. Of a clear, bright straw color, and uniform, perfect globe shape. Price: Pkt., 5c; oz., 25c; 1/4 lb., 75c; postpaid.

**RED BERMUDA**—Bulbs of this variety are similar in form and early ripening to the Bermuda White but grow large in size, ranging from three to four inches larger in diameter; very flat and of a light pink color. The flesh is white, slightly suffused with pink. Price: Pkt., 5c; oz., 35c; 1/4 lb., \$1.00; postpaid.

**SOUTHPORT LARGE RED GLOBE**—The handsomest and most richly colored of all red onions. Are remarkably uniform in size. The extra dark rich coloring makes a most attractive appearance when prepared for market. The plants are thin-necked, ripening down to a hard solid ball—insuring the largest percentage of market onions and the best keeping qualities. Flesh fine grained, mild, tender. Price: Pkt., 5c; oz., 25c; 1/4 lb., 80c; postpaid.

**WHITE BERMUDA**—The bulbs are quite broad and flat in form. The color is not a clear white, as in our American varieties, but rather a pale straw; flesh crisp, solid and mild in flavor and early ripening. Price: Pkt., 5c; oz., 35c; 1/4 lb., \$1.00; postpaid.

**YELLOW GLOBE DANVERS**—A fine productive variety of medium size, skin coppery yellow, flesh white, comparatively mild and well flavored. Best of keepers. Price: Pkt., 5c; oz., 20c; 1/4 lb., 60c; postpaid.

## ONION SETS

PRICES—Postpaid

Red Bottoms .....	\$0.15 pt.	\$0.30 qt.
Yellow Bottoms .....	.15 pt.	.30 qt.
White Bottoms .....	.25 pt.	.35 qt.

See page 27 for prices on Onion Sets in larger lots.

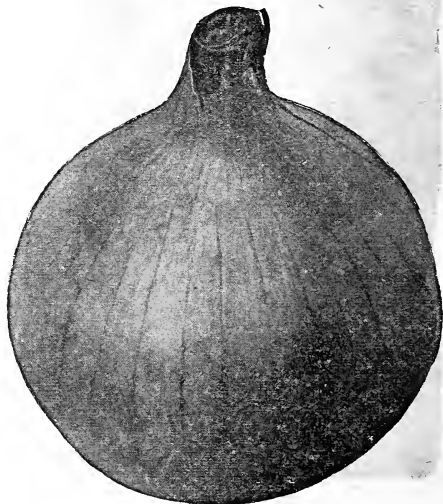
## OKRA or GUMBO

One ounce to 40 feet of drill. Ready for table in from 90 to 105 days.

The pods when young are used in soups, stews, etc. The plants are of the easiest culture. Sow at the usual time for all tender vegetables, in drills two inches deep, setting the plants two feet apart.

**IMPROVED DWARF**—An early variety, pods comparatively short but very numerous. Price: Pkt., 5c; oz., 10c; 1/4 lb., 25c; postpaid.

**WHITE VELVET**—Pods round, smooth, large and attractive; produced in great abundance. Price: Pkt., 5c; oz., 10c; 1/4 lb., 25c; postpaid.



Yellow Globe Danvers.



## PEAS

Two lbs. to 100 feet of drill;  
85 lbs. per acre.

**CULTURE**—You will have the best results with early peas on light, warm soil, but the main crop will do better on a fairly heavy soil that will retain moisture. Avoid too much nitrogen fertilizer such as fresh manure, as that causes heavy vine growth at expense of pods. A plot prepared the fall before is best. Sow early kinds as soon as possible in rows 2 to 3 inches deep and 2½ to 3½ feet apart, and for succession every 2 weeks until June 15th. The very earliest varieties, planted in August, will often give a good fall crop.

The taller varieties will do better if supported by brush or wire. Some plant in double rows (6 inches apart) and support the two together. The smooth sorts are hardiest, but wrinkled varieties are of better quality. Planting distances and depth depend on variety and type of soil.

Those marked \* are wrinkled and sweet.

### EXTRA EARLY VARIETIES

**ALASKA**—Two feet. The earliest blue pea, of good flavor, dark green pods, well filled and ripen uniformly. One of the very best for market gardeners. **Price: Pkt., 5c; lb., 40c; postpaid.**

**\*AMERICAN WONDER**—One foot. Of the finest quality. Very prolific, with pods of fine size and form; requires no brush or support. It may be planted a week apart for succession. **Price: Pkt., 5c; lb., 45c; postpaid.**

**LAXTONIAN**—A dwarf pea with large, handsome pods. Vines medium dark green and medium heavy foliage. Pods 3½ to 4 inches long, slightly curved. It bears more abundantly at top of vines and less along stalk, making it an easy pea to pick, a very heavy yielder. Height of straw, 14 inches. **Price: Pkt., 15c; ½ lb., 30c; lb., 55c; postpaid.**

**\*LITTLE MARVEL**—An extremely valuable variety, especially suited to small home gardens, and is also a splendid variety for early market gardening. The vines grow about 15 to 18 inches in height. The pods are dark green, fair sized, produced in pairs and are closely filled with 7 to 8 peas of extra fine flavor. **Price: Pkt., 5c; lb., 45c; postpaid.**

**\*McLEAN'S LITTLE GEM**—One foot. An early dwarf, green wrinkled pea, of superior flavor and very prolific. **Price: Pkt., 5c; lb., 45c; postpaid.**

**FIRST AND BEST**—Height, 2½ to 3 feet. Standard, white seeded extra early. Vines are vigorous and hardy, bearing from 3 to 7 pods, containing from 5 to 7 peas of good quality. **Price: Pkt., 5c; lb., 45c; postpaid.**

**\*DUCHESS OF YORK**—A very fine, large sweet pea, maturing very closely with Gradus, but much more productive. Pods large, dark green, pointed, and well filled. Height, 3 feet. **Price: Pkt., 5c; lb., 45c; postpaid.**

**MAMMOTH PODDED EXTRA EARLY**—Matures early and very productive; pods large and well filled; seed large, smooth, white. Bound to take first place as a leading market gardener's first early pea. Height, 3 feet. **Price: Pkt., 5c; lb., 45c; postpaid.**

**EARLY DWARF**—This is one of the newest early dwarf peas. Similar to Sutton's Excelsior except has a dark pod; very sweet and very productive. Height, 1½ feet. **Price: Pkt., 5c; lb., 45c; postpaid.**

**TOM THUMB**—This is the most dwarf pea. The vines grow about 12 inches high and are well filled with pods which are 2½ inches long and filled with 5 or 6 medium-sized peas. **Price: Pkt., 5c; lb., 40c; p. p.**

### LATE OR MAIN CROP VARIETIES

**\*CHAMPION OF ENGLAND**—Four feet. Vines are very robust. Bears many pods, straight and well filled with tender peas, which are sweet and of excellent quality. It is a profuse bearer, most reliable late sort. **Price: Pkt., 5c; lb., 40c; postpaid.**

**MELTING SUGAR**—This is the best of the edible peas. The pods grow about 5 to 6 inches long, are stringless and very tender, and may be used the same as a snap bean; 3 to 4 feet. **Price: Pkt., 5c; lb., 45c; postpaid.**

### Premium Gem.

**\*SUTTON'S EXCELSIOR**—This handsome wrinkled pea is so hardy it may safely be planted as early as the hard-seeded "Extra Earlies." The plants are dwarf, about 14 inches high, very stout, exceedingly productive, and the quality is all that could be desired. **Price: Pkt., 5c; lb., 45c; postpaid.**

**\*NOTT'S EXCELSIOR**—One foot. Earliest wrinkled pea; of close, compact, dwarf growth. The pods average 3 inches in length and are well filled to the squared ends with large peas, unusually sweet. It not only yields heavily in pods, but also in shelled peas. **Price: Pkt., 5c; lb., 40c; postpaid.**

### SECOND EARLY

**ABUNDANCE**—Height, 2 to 2½ feet. Seed green, wrinkled. This is a heavy yielding variety and is a capital sort for family use; possesses great sweetness and fine table qualities. **Price: Pkt., 5c; lb., 40c; postpaid.**

**\*EVERBEARING**—Two feet. Peas are very large, of excellent quality. For continuance and profusion of bearing this variety is unexcelled, which gives especial value for the late summer and autumn use. **Price: Pkt., 5c; lb., 40c; postpaid.**

**\*CHAMPION OF ENGLAND**—Four feet. Vines are very robust. Bears many pods, straight and well filled with tender peas, which are sweet and of excellent quality. It is a profuse bearer, most reliable late sort. **Price: Pkt., 5c; lb., 40c; postpaid.**

**MELTING SUGAR**—This is the best of the edible peas. The pods grow about 5 to 6 inches long, are stringless and very tender, and may be used the same as a snap bean; 3 to 4 feet. **Price: Pkt., 5c; lb., 45c; postpaid.**

**\*TELEPHONE**—Four feet. Immensely productive. Pods are very large, so well filled with peas of excellent quality that it has become one of the most prominent late peas to be grown for market. **Price: Pkt., 5c; lb., 40c; postpaid.**

**WHITE NARROWFAT**—Four feet. Vines are very robust. Bears many pods, always well filled. **Price: Pkt., 5c; lb., 30c; postpaid.**

FOR MARKET GARDENER'S PRICES SEE PAGES 26 AND 27.



## Pumpkins

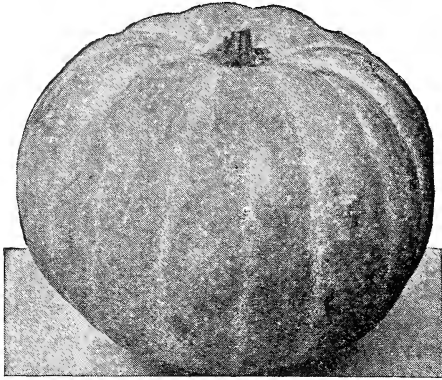
One ounce to 50 hills; 3 to 4 pounds per acre. From 100 to 120 days from sowing to maturity.

Pumpkins are planted frequently in connection with a crop of corn, or as a second crop after early peas, etc. The following varieties are all thin and tender skinned, distinct from the hard or thick-shelled squashes.

**CONNECTICUT FIELD**—An immensely productive, large, orange-colored, field pumpkin, usually grown for stock feeding, but it also makes good pies. **Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.**

**CUSHAW or CROOKNECK**—(Sometimes called a squash.) Productive; color light cream, sometimes lightly striped; flesh salmon colored; mealy and sweet. **Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.**

**JAPANESE PIE**—Early and productive, of medium size, large at one end, terminating in a crooked neck. Skin deep green with darker stripes; flesh is a rich salmon color; excellent quality; a good keeper. **Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.**



Large Cheese Pumpkin.

**LARGE CHEESE**—This is a very popular pumpkin for pies and is quite commonly known as "Sweet Pumpkin." In size they average about as large as the Connecticut Field, but are flat shaped, with creamy buff skin and thick golden flesh; tender, large, hardy and productive. Excellent for table use. Good keeper. **Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.**

**KING OF THE MAMMOTHS (Jumbo or Potiron)**—Weighs from 40 to 150 pounds. Round, flattened at both ends, skin and flesh bright yellow. It makes a good table pumpkin. Good keeper. **Price: Pkt., 5c; oz., 20c; ¼ lb., 45c; postpaid.**

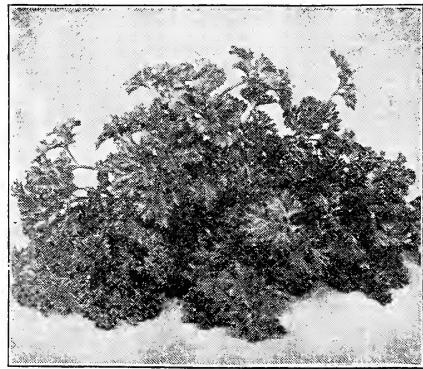
**SMALL SUGAR**—Fruits of small size, averaging about ten inches in diameter, of excellent keeping qualities, flattened, slightly ribbed. Skin deep orange-yellow; flesh sweet. Very early. **Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.**

**SWEET POTATO**—Pear shaped, good size, skin creamy white. The seed is all in the cavity of the large end, the thick neck being solid; exceptionally fine quality. **Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.**

## PARSLEY

One ounce to 150 feet of drill.

Soak the seeds a few hours in lukewarm water and sow early in the spring in drills one foot apart. Thin out to four inches. A few seeds sown in onion rows use no space. To preserve in winter transplant to a light cellar or glass frames.



Parsley, Moss Curled.

One ounce to 100 feet of drill; 5 or 6 lbs. per acre. Matures in 125 to 140 days from seed.

Sow in April or early May. Cultivate the same as carrots. They may be dug in the autumn and stored for winter use, but if left in the ground till spring are very much improved in flavor.

**HOLLOW CROWN**—Standard variety, roots long, very smooth; white, tender, sugary, and of excellent flavor. **Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.**

**IMPROVED GURNSEY (Improved Half Long)**—The roots do not grow so long as the Hollow Crown, but are of greater diameter and more easily gathered. Very smooth, the flesh fine grained and of excellent quality. **Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.**



Small Sugar.

Parsley is esteemed for flavoring and for the beautiful appearance of the fresh green leaves as a garnish.

**CHAMPION MOSS CURLED**—The plant resembles a tuft of finely curled moss, leaves extra large, and a rich deep green. **Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.**

**EXQUISITE**—Beautiful and closely curled leaves of dark green, flavor excellent. As a pot plant for winter in window or on dining table it is simply "exquisite." **Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.**

**TURNIP-ROOTED or HAMBURG**—The root is the edible portion of this variety, and resembles a small parsnip, both in color and shape. Flesh white, a little dry, having a flavor similar to Celeriac. Very hardy and should be cultivated like parsnip. Extensively grown and used for flavoring soups, etc. Foliage same as plain parsley. **Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.**

## PEANUTS

Culture very simple. Plant in light, sandy soil in April, in pods or shelled, two in a hill on level ground. Hill up from time to time as required. **Price: Pkt., 5c; lb., 40c; postpaid.**

## PARSNIPS



Hollow Crown.



## PEPPERS

One ounce to 2,000 plants. Requires from 125 to 160 days from sowing to maturity.

The small peppers are the hottest, the large varieties being quite mild in flavor. Sow in hotbed early in April and transplant to the open ground when weather is favorable. May also be sown in the open ground when danger of frost is past and soil is warm.

**CHINESE GIANT**—This desirable variety of recent introduction, is undoubtedly the largest sweet pepper ever offered. The flesh is quite thick, very mild and remarkably sweet. Price: Pkt., 5c; oz., 60c; ¼ lb., \$2.00; postpaid.

**GOLDEN DAWN**—Golden yellow; mild and sweet, size and shape of Large Bell. Price: Pkt., 5c; oz., 50c; ¼ lb., \$1.75; postpaid.

**LARGE BELL or BULL NOSE**—Large and early square shouldered, flesh thick, and less pungent than most other sorts; much used for mangoes. Price: Pkt., 5c; oz., 60c; ¼ lb., \$2.00; postpaid.

**LONG RED CAYENNE**—If you want a genuine hot pepper, the kind to use is the long red Cayenne. This is the real red-hot kind. Grows 3 to 4 inches. Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.15; postpaid.

**RED CHILI**—Fruit is small, bright red, very hot and pungent. Plants are very productive. Generally used for making pepper sauce. Price: Pkt., 5c; oz., 60c; ¼ lb., \$2.00; postpaid.

**RUBY KING**—The most popular large red pepper. Plants grow 2 feet high and bear a fine crop of handsome, extra large, scarlet fruits. Flesh is thick, sweet and mild. Fine for mangoes. Price: Pkt., 5c; oz., 60c; ¼ lb., \$2.00; postpaid.

**SWEET MOUNTAIN**—Similar to Bull Nose, though usually larger in size and longer; of very mild flavor. Much used for mangoes. Price: Pkt., 5c; oz., 60c; ¼ lb., \$2.00; postpaid.

## RHUBARB

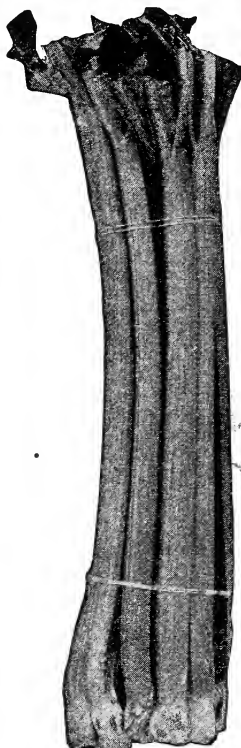
One ounce to 500 plants.

Rhubarb is an excellent spring food, possessing medicinal properties. It is the first vegetable of the season from the garden, and no planter should be without it.

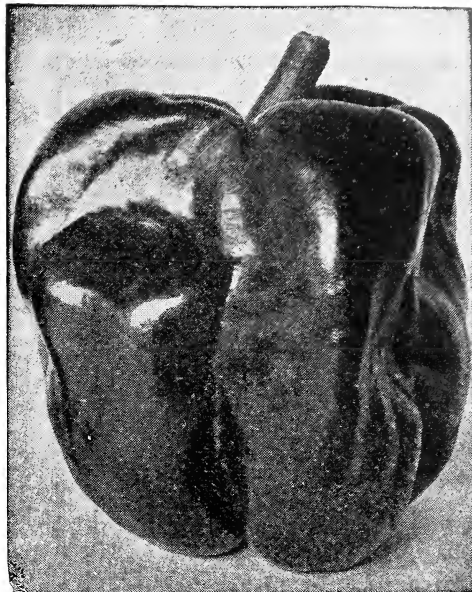
**VICTORIA**—Stalks very tall and large; skin thick and red stained; pulp quite acid; very productive. Price: Pkt., 5c; oz., 20c; ¼ lb., 50c; postpaid.

**LINNAEUS**—A large and tender sort, sometimes called wine plant. Price: Pkt., 5c; oz., 20c; ¼ lb., 60c; postpaid.

**RHUBARB ROOTS**—Set in spring and they will be ready for use the following season. Price: 10c each; postpaid. By express, 75c per doz.



Linnaeus.



Chinese Giant.

## SPINACH

One ounce to 100 feet of drill; 12 lbs. to the acre.

Cultivated very extensively for "greens." A profitable crop for market. Select a rich, well-drained soil, highly manured. For a succession, sow early in April and again in May in drills, 1 foot apart and 1 inch deep, properly thinning out when the plants are an inch in the leaf. For early spring use, sow early in autumn and protect the plants with a light covering of leaves or straw.

**BLOOMSDALE (Savoy)**—The earliest of all and one of the best; the leaves are numerous, curled and wrinkled. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; postpaid.

**LONG STANDING (Thick Leaved)**—A fine market sort. Leaves large and thick, somewhat crumpled. Does not run to seed early. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; postpaid.

**NEW ZEALAND**—Entirely different from true spinach in type in that it thrives during hot weather and in any soil, rich or poor. The tender shoots with golden yellow leaves are of good quality and may be cut throughout the summer. This is something new, but extra good. Plant 3 or 4 seeds in hills 2 feet apart each way. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

## SALSIFY OR VEGETABLE OYSTER

One ounce to 75 feet of drill.

Resembles a small parsnip, and when thinly sliced and cooked is a good substitute for oysters, having a very similar flavor. It succeeds best in light, rich soil. Sow early and quite deep. The leaves when they first appear look like grass making it specially important to plant in rows.

**MAMMOTH SANDWICH ISLAND**—Grows uniformly to an extra large size. The root is pure white and of superb quality. Invaluable to market gardeners. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.



Long Standing.

## PANSY SPECIAL NO. 19

ONE PKT. EACH BUGNOT, MAMMOTH BUTTERFLY AND ODIER 25c. SEE PAGE 44.



# RADISHES

One ounce to 100 feet of drill; ready in 18 to 45 days from seed, according to variety.

Radishes must make a rapid growth to be crisp and tender. For early use sow in the hotbed, half an inch deep. For an early crop in the open ground, sow thinly in drills on rich, sandy soil as early in the spring as it is fit to work. For a succession sow every two weeks.

**Varieties marked \* good for forcing.**

**CHARTIER**—One of the best varieties for growing outdoors. The radishes are in good condition for the table very early and remain hard and crisp until they reach a diameter of about 1 1/4 inches, thus affording good roots for a long time. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 30c; postpaid.**

**EARLY BIRD**—Decidedly the earliest of radishes. Quick growth is one of the main essentials for a crisp and tender radish, and with loose soil and proper culture the Early Bird is ready for the table in twenty days from the time of sowing the seed. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 35c; postpaid.**

**EARLY SCARLET TURNIP, WHITE TIP**—A most popular and attractive variety, a great favorite in many large markets. The radish is bright scarlet, with white tip, and of a beautiful shape; flesh white, crisp and finely flavored. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 30c; postpaid.**

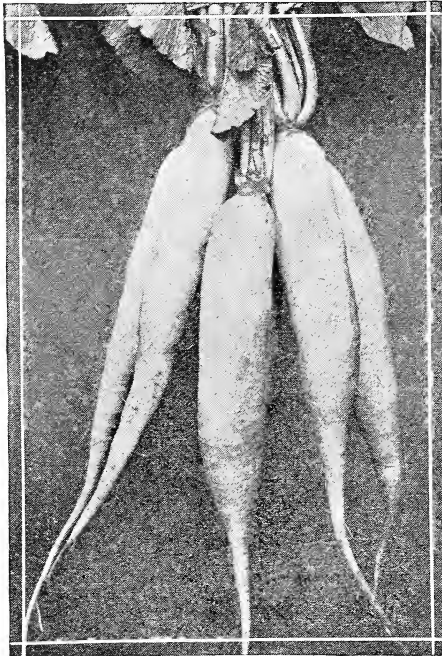
**EARLY SCARLET GLOBE**—A very handsome radish, of rich, bright scarlet color, and oval shape, with very small tops; the flesh is delightfully crisp, juicy and tender. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 30c; postpaid.**

**EARLY LONG SCARLET, SHORT TOP**—The long, slender, handsomely colored roots are most attractive in appearance, crisp, brittle and of the choicest quality. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 30c; postpaid.**

**EARLY SCARLET TURNIP**—A round, red, turnip-shaped radish, with a small top and of quick growth. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 30c; postpaid.**

**FRENCH BREAKFAST**—A great favorite. Beautiful, bright, scarlet, with pure white tip. Oblong in shape, medium size, makes rapid growth. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 45c; postpaid.**

**\*GIANT CRIMSON GLOBE**—A new variety suitable for forcing or early planting out of doors. Will grow to 6 and 7 inches in circumference. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 30c; postpaid.**



White Icicle.

**\*NON PLUS ULTRA FORCING**—This variety has as small a top and is as early as any in cultivation, making it one of the best for forcing under glass. Roots ready to pull may be had in three weeks and they remain fit for use longer than any other early variety. **Price: Pkt., 5c; oz., 15c; 1/4 lb., 45c; postpaid.**

**ROSY GEM**—We have a very clean, beautiful strain of this popular sort. It is extremely early, maturing in 25 days. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 30c; postpaid.**

**SAKURAJIMA**—A Japanese radish of immense size; some single specimens of this variety weigh as much as 15 pounds. In shape it is oval with cream colored skin and pure white flesh. Roots are cooked like turnips. **Price: Pkt., 5c; oz., 20c; 1/4 lb., 65c.**

**STUTTGART**—Early giant white, large top-shaped, often 4 inches across, flesh and skin white. Remains crisp and solid even after it has attained its full size. Can be stored for winter use. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 30c; postpaid.**

**\*SAXA RADISH**—At last we have found a good forcing radish, which is also very fine for outdoor culture. In repeated trials the Saxa has been found to reach a remarkable size three days earlier than any other forcing variety. The radish at maturity is about 3/4 the size of Early Crimson Globe. The roots

are round or ball shaped; color deep, fiery scarlet with no tinge of purple. **Price: Pkt., 5c; oz., 15c; 1/4 lb., 45c.**

**WHITE OLIVE FORCING**—White flesh and skin; crisp and mild flavor. **Price: Pkt., 5c; oz., 15c; 1/4 lb., 40c; postpaid.**

**WHITE STRASSBURG**—Of somewhat larger size and thicker than Vienna. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 30c; postpaid.**

**WHITE ICICLE**—Finest of early, pure white varieties. Ready for pulling in about three weeks. Long and slender, clear pure white. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 30c; postpaid.**

**LONG WHITE VIENNA or LADY FINGER**—Pure white, long tapering shape, attractive, sweet, mild, delicious. Matures in 25 days. **Price: Pkt., 5c; oz., 10c; 1/4 lb., 30c; postpaid.**

**NEW SPARKLER**—A distinct, new 18 to 21-day radish; has a beautiful scarlet top; with tip of purest white. Is solid, crisp and sweet, remaining so for a long time. **Price: Pkt., 5c; oz., 15c; 1/4 lb., 40c; postpaid.**

## COLLECTION NO. 3

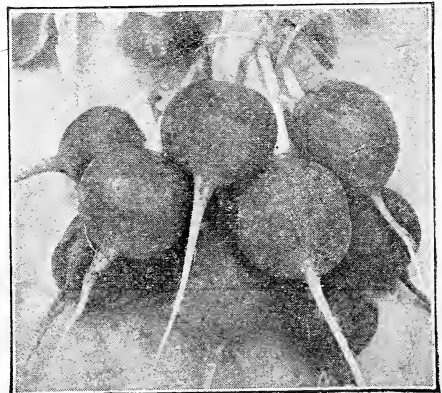
7 BEST RADISHES, 25c; POSTPAID.

This collection includes 1 packet each of the following best varieties: Early Bird, Early Scarlet Turnip, White Tip, Icicle, French Breakfast, Early Long Scarlet, Crimson Globe and Chinese Rose Winter, all for 25c; postpaid.

## WINTER SORTS

- Sow in July. Pull before severe frost and store in damp cellar.
- CHINESE ROSE (Scarlet China)**—Large oval, Pkt. Oz. 1/4 lb. bright rose-colored, good keeper. . . . . 5c 10c 30c
- CALIFORNIA MAMMOTH WHITE**—Very large, growing 12 inches long. . . . . 5c 10c 30c
- ROUND BLACK SPANISH**—Fine globe shape, 3 or 4 inches in diameter, skin black, flesh white. . . . . 5c 10c 30c
- LONG BLACK SPANISH**—Black skin; white flesh, long, will keep until spring. . . . . 5c 10c 30c

**FOR QUANTITY PRICE, SEE PAGES 26 and 27**



Crimson Globe.





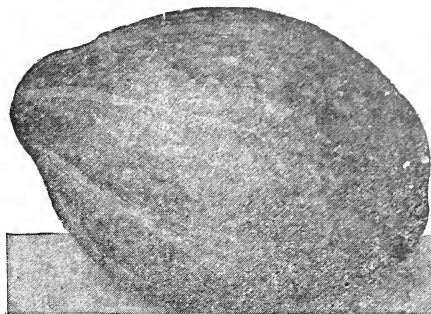
## SQUASH

### SUMMER AND EARLY SORTS

One ounce to 20 hills; 4 to 5 lbs. to the acre. Hills 4 feet apart each way. Ready for use in from 55 to 65 days from planting.

Any good, enriched soil is adapted to the growth of the Squash. The seed should not be sown in the spring until danger from frost is past and the ground is warm and thoroughly settled. Keep the earth about the plants loose and clean. Three plants to the hill. For remedy against bugs, see Insecticides, pages 71-72.

**DELICATA SQUASH**—A perfect all-season Squash, summer and winter crop on one plant. Produces fifteen to twenty fruits to a vine. Delicious chestnut flavor. Delicata produces an enormous number of fruits of such convenient size that the entire squash can be used at one time. It is ready almost as soon as the early summer sorts, is better flavored, and remains in perfect condition as long as any keeping variety. Its flavor when cooked has been compared to the sweet potato, others liken it to roasted chestnuts, but all agree that it is delicious. The fruits are about 9 inches long, and when ripe are deep yellow, irregularly striped and mottled with a dark olive-green. The flesh is thick, fine texture and pale yellow in color. It is unexcelled for baking—the shape and size make it perfect for this purpose and none better for pies. When boiled it is dry, granular and mealy. Price: Pkt., 5c; oz., 20c; ¼ lb., 60c; postpaid.



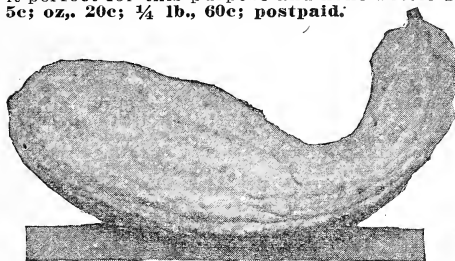
Delicata Squash.

**FORDHOOK**—Small, oblong, shell yellow flesh dry and sweet, and of good flavor. Very early; desirable for either summer or winter use. Price: Pkt., 5c; oz., 20c; ¼ lb., 50c; postpaid.

**GOLDEN BUSH SCALLOP**—A very early flat, scalloped variety; skin deep yellow; flesh pale yellow and well flavored. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

**SUMMER CROCKNECK**—Very early and productive. Fruit about one foot long, with crooked neck and warty surface; color bright yellow. Price: Pkt., 5c; oz., 20c; ¼ lb., 50c; postpaid.

**WHITE BUSH SCALLOPED (Patty Pan)**—Very early; skin white, flesh tender and delicate, bears abundantly. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.



Summer Crockneck.

### FALL AND WINTER SORTS

From planting to maturity 100 to 125 days.

Gather before injured by the frost for winter use, care being taken not to break the stem from the squash, as the slightest injury will increase the liability to decay. One ounce to 20 hills; 3 to 5 lbs. to the acre. Hills 8 feet apart each way.

**ORANGE MARROW**—The earliest by 10 days of the winter squashes. It is creamy orange in color; fine form, handsome appearance. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

**BOSTON MARROW (Autumnal)**—Large, oval form; skin bright orange, mottled with cream color; flesh rich salmon yellow, fine grained and good flavor, unexcelled for pies. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

**CHICAGO WARTED HUBBARD**—Large size, dark green color, distinguished by a dense covering of knots (warts), a sure indication of splendid quality, thick flesh; good keeper. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

**GOLDEN HUBBARD**—Similar to the above, except that the skin is deep, orange yellow. Flesh fine grained and of exceptional flavor. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

**MAMMOTH CHILI**—Enormous size, round, flattened at ends, skin orange color and slightly ribbed. Flesh thick and deep yellow. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

**MARBLEHEAD**—Resembling the Hubbard, but of a lighter color, and is remarkable for its sweetness, dryness and delicious flavor. Good keeper. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

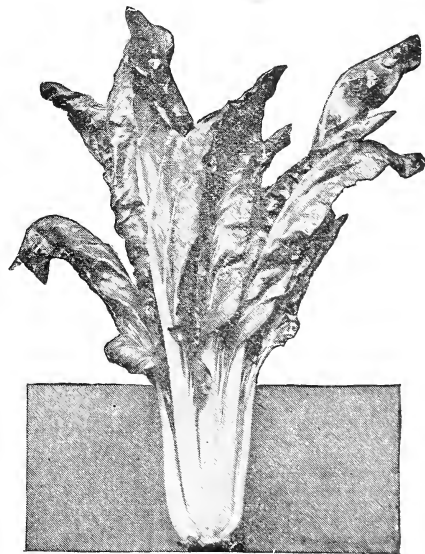
**PERFECT GEM**—Nearly round; skin creamy white, flesh fine grained. Vine bears great numbers of small squashes. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

**SIBLEY (Pike's Peak)**—Pear-shaped with stem on large end, skin smooth, pale green; flesh thick, orange color; very dry, rich and delicate flavor. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

**WINTER CROCKNECK**—Fruit long and crook-necked, skin dark green mixed with yellow. A fine keeper. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

### SWISS CHARD OR SEA KALE

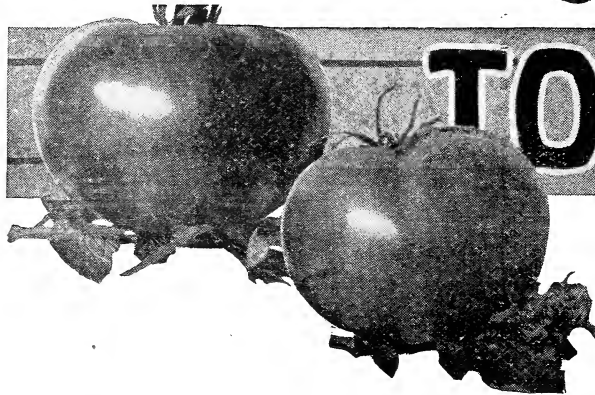
Far superior to the common beet for greens, of almost the same flavor and equal to spinach. It is much easier to wash and prepare for the table. Sown early in spring in rows; thin seedlings out to 6 inches in the rows; it makes rapid growth of leaves, and is fit for use for greens sooner than any other variety, and can be cut throughout the entire summer. Later the leaves grow very large with broad, flat, wax-like stems and mid ribs, which may be cooked like asparagus, or made into pickles. Price: Pkt., 5c; oz., 20c; ¼ lb., 60c; postpaid.



Swiss Chard.



# TOMATOES



**ACME**—Early and bears fruit until cut off by frost. Fruit is purplish, always round, smooth and of good size, and is borne in clusters of four or five; free from cracks and stands shipment well. Flesh is solid and of excellent flavor. Does well both outdoors and under glass. This is a good canning variety. **Price: Pkt., 5c; oz., 55c; ¼ lb., 90c; postpaid.**

**DWARF PONDEROSA**—An improvement over the old Giant Ponderosa. As its name implies, it is not quite so large, but otherwise the fruit is very similar. The vines grow in bush or tree form, similar to the Dwarf Champion. It has proven a great success wherever grown. **Price: Pkt., 10c; oz., 60c; ¼ lb., \$2.00; postpaid.**

**EARLY DWARF CHAMPION**—A great favorite, especially in the northern states, on account of its dwarf habit and upright growth. The fruit is of medium size, of purplish-pink color, very smooth and symmetrical, very solid and of fine quality. The stems are short, thick, stiff and almost self-supporting. **Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.10; postpaid.**

**CHALK'S EARLY JEWEL**—The largest, smoothest and finest flavored second-early scarlet tomato in cultivation. The plants are of compact growth with dark green leaves and fairly loaded with fruit throughout the entire season. The large handsome, bright scarlet fruits are very solid and deep through, being almost round, and ripen right up to the stem without any cracks or green core and have comparatively few seeds. The flesh is thick and sweet; skin thin, but strong, making it a good shipper. **Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.15; postpaid.**

**GOLDEN PONDEROSA**—One of the most interesting novelties ever introduced. It equals Ponderosa in size but bears rich, golden-yellow fruits in abundance. A yellow tomato that has color to distinguish it, is not entirely novel. Many such varieties have been introduced, but have failed to gain popularity, owing to lack of flavor or some other essential, have disappeared from cultivation. Golden Ponderosa is equal in every respect to its parent, the Red Ponderosa, possessing all the qualities that have made our Ponderosa a household word throughout the land, and, in addition, has the striking color which compels instant attention. That which differentiates it from all other sorts is its conspicuous and striking appearance when served sliced with Red Ponderosa. This combination produces an effect appealing to the appetite, and supplies a decorative table effect both novel and attractive. **Price: Pkt., 10c; oz., 60c; ¼ lb., \$2.00.**

Mature in from 90 to 150 days from planting, 1 ounce to 2,000 plants, ¼ lb. (transplanted), per acre.

For early plants, sow seed in boxes or hotbeds in March. When the plants are about two inches high, transplant to four inches each way. Set outdoors as soon as danger from frost is over. Transplant carefully four feet apart each way, and cultivate well as long as the vines will permit. To obtain early fruit, pinch off the ends of the branches when the first fruit is set. **DWARF STONE (Livingston's)**—Very early and productive; in size, color and quality of fruit equals the Stone; in habit of vine resembles Dwarf Champion, but is stronger and more erect, admitting very close planting. **Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.15; postpaid.**

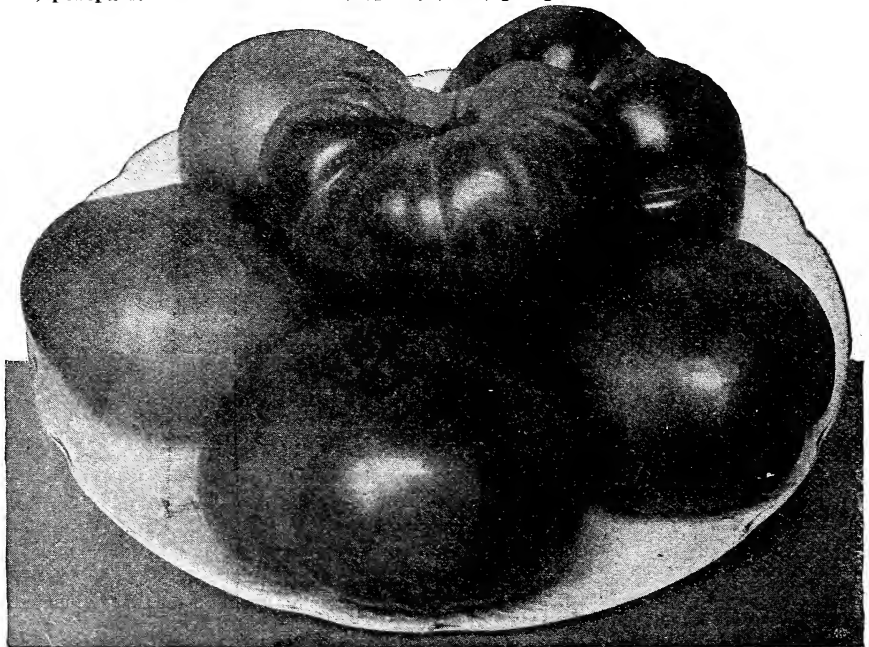
**BEAUTY**—The standard large fruited, medium early, pink variety. A hardy, strong, productive grower, producing large, always smooth fruits of perfect shape, excellent quality and purplish-pink color. The tomatoes grow in clusters of four to six and retain their splendid size until late in the season. Flesh is very firm; has a tough skin and but few seeds. Seldom rots or cracks after a rain. A good shipper. **Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.**

**BALTIMORE BAER**—The best tomato ever introduced. A big money maker. For description see page 2.

**ENORMOUS**—Very large, beautifully smooth, solid flesh, few seeds, rather oval shape, mid-season, ripens all through the fruit at once. **Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.15; postpaid.**

**FAVORITE (Livingston's)**—Large, smooth, blood-red sort; early; ripens all over and through at once. Will bear shipping long distances. Very few seeds and has no hard, green core. **Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.**

**EARLIANA**—It is a full week ahead of all others. Plants of strong growth and very productive. Fruits large, deep red and of superior quality. Smooth and free from cracks. **Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.10; postpaid.**





**JOHN BAER**—The best tomato on earth. It is the offspring of two marvelous tomatoes, the result of 15 generations of improvement and selection. It produces the most perfect, high crown red tomatoes in 30 days, also an enormous crop under ordinary conditions; 50 to 100 fruit to each plant; ripens evenly right up to the stem, no cripples, no scalds, no blight, no cracked, wrinkled, one-sided, uneven, scarred fruit. When dead ripe John Baer tomato will not burst. It has a wonderful glistening, bright red color, and a mild, delicious, sweet flavor, is almost seedless, a marvelous stem setter, often 10 fruit in first cluster, solid and meaty. John Baer Tomato is the earliest, finest shaped fruit and has the best color and shipping quality of any tomato on earth. **Price: Pkt., 10c; oz., 40c; ¼ lb., \$1.50.**

**JUNE PINK**—An extra early purple-fruited tomato similar to the popular scarlet-fruited Earliana in growth of vine, shape and size of fruit and time of maturing. **Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.15; postpaid.**

**LIVINGSTON'S NEW GLOBE**—Perfectly globe-shaped, very early, large, smooth, has few seeds, firm fleshed, ripens evenly; rose-colored tinged with purple, very productive; an excellent keeper, flavor superb. **Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.15; postpaid.**

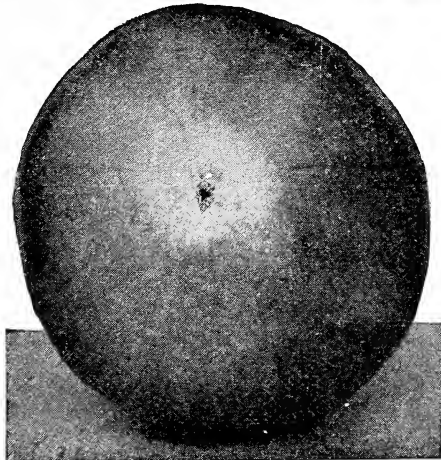
**LIVINGSTON'S CORELESS**—A new, large main-crop variety. In shape it is almost round, having about the same diameter each way. It has no green core, and is of a bright red color, making it valuable either for slicing or for canning. **Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.20; postpaid.**

**NEW COLOSSAL**—An immense, very handsome variety, ripening medium early. This will undoubtedly supersede the popular Stone Tomato as the leading market variety. It is bright red, of truly mammoth size, often weighing two pounds and more, and round and smooth. The flesh is firm, solid and of finest quality and flavor, with very small core, making it one of the best for slicing. As it is almost free from acid, it is most desirable for canning. **Price: Pkt., 5c; oz., 60c; ¼ lb., \$2.00; postpaid.**

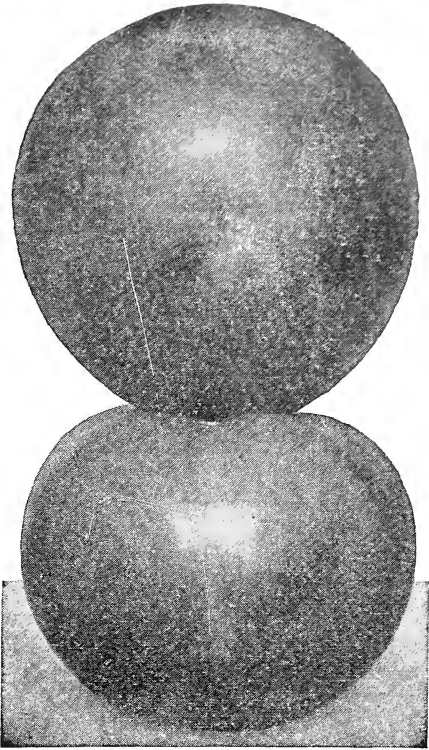
**PONDEROSA**—This is the largest fruited tomato, and is of a fine quality for slicing. The vines are of strong growth; fruits oblong in form, deep through and generally ridged or ribbed; deep purple in color. They are solidly fleshed with small seed cells; of fine flavor. Planted in good soil, fruits frequently attain weight of 1 pound or more. **Price: Pkt., 5c; oz., 40c; ¼ lb., \$1.50; postpaid.**

**QUARTER CENTURY**—Very early. Like the Dwarf Champion, only bright red. **Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.15; postpaid.**

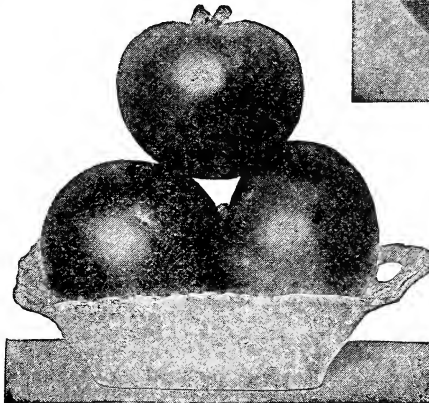
**Stone**—This variety is very large and of a bright scarlet color; very smooth, ripening evenly to the stem without a crack, exceedingly solid; is an excellent shipper; quality the very best; fine for canning; a good keeper; without hard core; not subject to rot; its vines and foliage rank and robust. **Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.10; postpaid.**



**Earliana**



**John Baer.**



**Dwarf Champion**

**TROPHY**—(110 days). One of the best. Fruit large, smooth, of very deep color and a good flavor. A well-known variety and largely planted. **Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.10; postpaid.**

**SMALL TOMATOES**—Used for preserves, pickles, etc. **Pkt. Oz.**

**YELLOW PEAR**—Bright yellow, fine flavor. **5c 40c**

**R E D PEAR**—Fruit bright red. **5c 40c**

**YELLOW PLUM**—Clear deep yellow. **5c 40c**

**RED CHERRY**—Bright red, grows in clusters. **5c 40c**

**YELLOW CHERRY**—Deep yellow, a favorite for preserving. **5c 40c**

**PEACH**—Skin covered with slight bloom as in a peach. **5c 40c**

**HUSK (Ground Cherry)**—Golden yellow. **5c 40c**

**BOOKS WORTH WHILE**

**POULTRY MANUAL**, by Sewell—Breeds of fowls including turkeys, ducks and geese; practical methods of raising poultry and eggs for market and home use.

**COUNTRY KITCHEN COOK BOOK**—A book that should be in every farm home. Five hundred tried and tested recipes of good, wholesome dishes and many suggestions of great value to the farm kitchen.

**ONIONS**, by Jordan—How to grow them profitably. How to prepare seed bed, plant, cultivate, weed, harvest and market. An attractive, well-illustrated book.

**EVERGREENS**, by Harrison—How to grow them. Selection and growing from seed or nursery stock for windbreaks, shelter belts, hedges and ornamental planting.

**WEEDS**, by Shaw—How to eradicate them. Contains the most effective means of destroying all kinds of weeds, including Canada thistle; also information about spraying.

**PHLOX MANUAL**, by Harrison—Complete information about varieties, methods of culture, for pleasure and profit. Selection, preparation of soil, planting, propagation.

**Price of all the above books, 50c each; postpaid.**  
All of these books are interesting, prepared by recognized authorities and will be found very profitable.



# TURNIPS

Ready from 40 to 60 days from seed

1 oz. to 150 ft. drill  
2 lbs. to acre

The turnip is most easily affected in form and flavor by soil, climate and mode of culture. Sow in drills about 16 inches apart and half an inch deep, or sow broadcast, but in either case be sure to have the ground rich and freshly dug. Sow for main crop from the middle of July to last of August. In the fall, turnips are generally sown broadcast, though much larger crops are obtained by drill culture.



Purple Top Strap Leaf.

**EARLY WHITE FLAT DUTCH STRAP LEAVED**—The most excellent garden turnip and, like Purple Top Strap Leaf, a standard flat variety, maturing at the same time. Price: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25; postpaid.

**SNOWBALL or WHITE SIX WEEKS**—Earliest and most perfectly formed round white turnip. Roots are very uniform in size and shape, short top and single taproot. Flesh snowy white, solid, crisp and very sweet. Price: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25; postpaid.

**WHITE EGG**—An egg shaped variety, for spring or fall sowing; flesh white, firm, fine grained; mild, and sweet; particularly desirable for table. Price: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25; postpaid.

**COW HORN**—A white turnip of peculiar long shape and quick maturity. It grows to a large size, standing half out of the ground. Price: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25; postpaid.

**POMPERANIAN WHITE GLOBE**—Very productive; in good soil roots grow from 10 to 12 pounds; good for the table or stock. Price: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25; postpaid.

**PURPLE TOP STRAP LEAF FLAT**—The old well-known sort of early spring and fall; purple above ground, flesh fine grained, of mild flavor and a good keeper. Price: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.15; postpaid.

**EARLY PURPLE TOP GLOBE**—Deservedly popular, heavy yielder, of rapid growth and superior quality. Price: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25; postpaid.

**EXTRA EARLY PURPLE TOP MILAN**—Two weeks earlier than any other. Flat; white, with purple top. Price: Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.60; postpaid.

**EXTRA EARLY WHITE MILAN**—The earliest of all turnips, and of excellent quality. Top is very small, upright and compact, so the rows can be planted close together. The roots are clear white, very smooth, flat and symmetrical. Price: Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.60; postpaid.

**GOLDEN BALL**—A most delicate and sweet, yellow-fleshed, turnip of excellent flavor. Price: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25; postpaid.

**LARGE YELLOW. (Amber Globe)**—Flesh yellow, fine grained and sweet, very hardy and productive; splendid keeper. Price: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25; postpaid.

## RUTA BAGAS

Should be sown about a month earlier than turnips. This is one of the best and most valuable of root crops. They may be very easily grown and more cheaply than potatoes, and usually are worth as much per bushel on the market.

**SWEET GERMAN (Long White French)**—Bulb enormous. Flesh white, solid, and rich. The best keeper of all the Rutabagas, and popular for both table and stock. Price: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25; postpaid.

**AMERICAN PURPLE TOP**—Tops very small; bulbs large; skin purple above, yellow underneath; flesh golden yellow; fine texture, sweet and of richest flavor. Price: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25; postpaid.

**SKIRVING'S PURPLE TOP YELLOW**—Quite productive; flesh yellow and sweet flavor, shape oblong. Price: Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25; postpaid.

## TOBACCO

1 ounce will sow about 25 square feet and produce plants for 1 acre.

**CONNECTICUT SEED LEAF**—An old well-known variety. Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.00; postpaid.

**HAVANNA**—Best for the manufacture of cigars. Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.00; postpaid.

## MUSHROOM SPAWN

The Mushroom is a delicious edible fungus of which there are numerous varieties. We handle the ordinary commercial variety of a creamy white color with loose gills which underneath are of pinkish-red, changing to liver color. These can be

grown in a warm cellar or enclosed shed in which an even temperature can be maintained of fifty or sixty degrees and where a plentiful supply of fresh horse manure for making the bed can be obtained.

AMERICAN (Pure Culture Spawn)

Produced by the new grafting process, from selected and most prolific varieties, has never failed to run. Price per brick, (enough for 8 square feet), 12½ for \$1.50; by mail, postpaid. By express, at buyer's expense, per brick, 25c; 6 bricks, \$1.40; 12 bricks, \$2.75.



### MUSHROOM CULTURE

A most practical work on the growing of mushrooms. Describes how they may be grown with profit by market gardeners, and also how to grow them for home use. Illustrated 32 pages. Price: 25c; postpaid.

For Quantity Prices on all Seeds on this Page, See Pages 26 and 27.

# Griswold's Home Garden Vegetable Collection Number 4

**45 LARGE 5-CENT PACKAGES FOR \$1.60; POSTPAID  
JUST ENOUGH FOR YOUR GARDEN**

It often happens that in looking through a catalog you cannot tell just what varieties and quantities of seed you need for your garden to furnish enough vegetables for a medium sized family throughout the season. This collection is made up of just the varieties you need.

- |   |   |  |
|---|---|--|
| <p><b>BEANS—</b><br/>2 pkts. Wardwell's Kidney Wax<br/>2 pkts. Burpee's New Stringless<br/>2 pkts. Early Golden Custer Wax</p> <p><b>BEETS—</b><br/>1 pkt. Early Model.</p> <p><b>CABBAGE—</b><br/>1 pkt. Early Jersey Wakefield<br/>1 pkt. Premium Late Flat Dutch</p> <p><b>CARROTS—</b><br/>1 pkt. Ox Heart</p> <p><b>CAULIFLOWER—</b><br/>1 pkt. Early Snowball</p> <p><b>SWEET CORN—</b><br/>1 pkt. Golden Bantum<br/>1 pkt. Early Minnesota<br/>1 pkt. Stowell's Evergreen</p> <p><b>CUCUMBERS—</b><br/>1 pkt. Long Green</p> <p><b>ENDIVE—</b><br/>1 pkt. White Curled</p> | <p><b>KOHL RABI—</b><br/>1 pkt. Early Purple</p> <p><b>LETTUCE—</b><br/>1 pkt. Simpson's Early Curled<br/>1 pkt. Early Prize Head</p> <p><b>PARSNIPS—</b><br/>1 pkt. Hollow Crown</p> <p><b>PARSLEY—</b><br/>1 pkt. Champion Moss Curled</p> <p><b>PEPPER—</b><br/>1 pkt. Sweet Mountain</p> <p><b>PUMPKIN—</b><br/>1 pkt. Small Yellow Sugar</p> <p><b>MUSTARD—</b><br/>1 pkt. White</p> <p><b>MUSK MELON—</b><br/>1 pkt. Rocky Ford</p> <p><b>WATERMELON—</b><br/>1 pkt. Tom Watson</p> <p><b>ONION—</b><br/>1 pkt. Large Red Weathersfield</p> | <p><b>PEAS—</b><br/>2 pkts. Alaska<br/>2 pkts. American Wonder<br/>2 pkts. Nott's Excelsior</p> <p><b>RADISHES—</b><br/>1 pkt. Crimson Globe<br/>1 pkt. New Sparkler<br/>1 pkt. Icicle<br/>1 pkt. Long Scarlet</p> <p><b>SQUASH—</b><br/>1 pkt. Summer Crook Neck<br/>1 pkt. Chicago Warty Hubbard</p> <p><b>SPINACH—</b><br/>1 pkt. Bloomsdale</p> <p><b>SALSIFY—</b><br/>1 pkt. Mammoth Sandwich Island</p> <p><b>TOMATOES—</b><br/>1 pkt. Early Jewel<br/>1 pkt. Ponderosa</p> <p><b>TURNIPS—</b><br/>1 pkt. White Egg<br/>1 pkt. Purple Top Strap Leaf</p> |
|---|---|--|

**ABOVE LIST REGULARLY SELLS FOR \$2.25; YOU GET IT FOR \$1.60; POSTPAID.**

# Griswold's Flower Garden Collection No. 5

## Fifteen Large 5-cent Packages for 50c; Postpaid

It is difficult to select Flower Seeds which give the best and most pleasing effects unless one is familiar with their habits of growth, etc. The collection we offer below is made up of the best and most popular varieties known.

- |   |  |   |
|---|--|---|
| <p>1 pkt. Alyssum (Little Gem)<br/>1 pkt. Asters, Giant Comet<br/>1 pkt. Balsam (Lady Slipper)<br/>1 pkt. Bachelor's Button</p> | <p>1 pkt. Cosmos<br/>1 pkt. Four O'clock<br/>1 pkt. Gaillardia<br/>1 pkt. Nasturtium</p> | <p>1 pkt. Pansy<br/>1 pkt. Petunia<br/>1 pkt. Portulaca<br/>1 pkt. Salvia</p> |
|---|--|---|

**NOTE—PLEASE ORDER COLLECTION BY NUMBER.**

# FREE! 25c COUPON 25c FREE!

WE WANT TO BECOME BETTER ACQUAINTED WITH THE SEED BUYER THROUGHOUT THE COUNTRY. OF COURSE, THERE ARE SOME WHO DO NOT KNOW OF US OR AT LEAST DO NOT GET OUR CATALOG, AND THESE WE WANT TO BECOME BETTER ACQUAINTED WITH. IT IS EXPENSIVE TO ADVERTISE, NO MATTER HOW IT IS DONE, AND YOU MIGHT AS WELL RECEIVE THE BENEFIT OF THIS COST TO US, AND SO IF YOU WILL FILL IN THE LINES BELOW WITH THE NAMES AND ADDRESSES OF FIVE FRIENDS WHOM YOU THINK ARE INTERESTED IN GOOD SEEDS AND WOULD LIKE OUR CATALOG BUT DO NOT GET IT, WE WILL GIVE YOU FIVE OF ANY OF THE 5c PACKAGES OF GARDEN OR FLOWER SEED LISTED IN OUR CATALOG, YOUR SELECTION, ABSOLUTELY FREE POSTPAID, IF SENT IN WITH AN ORDER AMOUNTING TO \$1.00.

Name .....	Town .....	State .....
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
After filling in the above lines, write your name and address here:		
.....		
Cut out and return to us		

**NOTICE—**Before sending your order, look over the index, as you will, no doubt, find something else you want. When sending your seed order include a few plants, poultry and bee supplies, insecticides etc. Thus you will save time and express charges.







# SEED POTATOES

One peck will plant about 100 hills, 8 to 12 bushels required to the acre.

With no other seed is the importance of change more essential than with potatoes, and by using our Northern grown seed you are assured of early maturity, increased yield and vigorous growth. The following varieties are, we think, the best and most satisfactory sorts for growing in Nebraska and other states of the same latitude. Most of our seed potatoes are grown in Minnesota or the Dakotas and are of superior quality. Order as early as possible and we will ship as soon as weather permits.

**CARMAN NO. 3**—This potato is of large and uniform size, yielding immense crops. It is of perfect form. It has but a few eyes, and they are shallow; the skin and flesh are extremely white and its cooking qualities are very fine. It is a remarkably handsome potato, enormously prolific.

**EARLY SIX WEEKS**—Another potato of the Ohio type in great demand. Not the heaviest yielder, but good sized, smooth, round to oblong tubers, in eating condition before the well-known Early Ohio.

**IRISH COBBLER**—It is an excellent extra variety, maturing good-sized tubers seven weeks from time of planting; producing very few, if any, small potatoes; all tubers being of marketable size.

**RED RIVER EARLY OHIO**—This is the most popular early potato in this country. We have more calls for it than any other early variety. Every potato grower knows what it is and knows just what it will do in his locality. It is the standard extra early the world over and other varieties are measured by it.

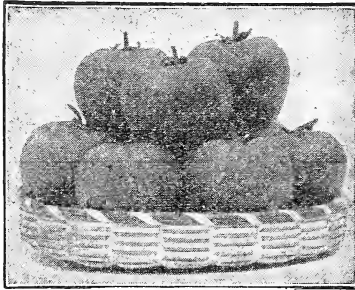
**RURAL NEW YORKER**—It is very large, unusually smooth, with few and shallow eyes; form slightly oblong, and rather flattened. Skin and flesh white, quality excellent, season, intermediate. Tubers of great uniformity in size, almost every one marketable. It holds a leading place as a standard field cropper.

**RED TRIUMPH**—Earlier than any other, desirable for the first "new potatoes." Tubers nearly round, medium in size, reddish pink in color.

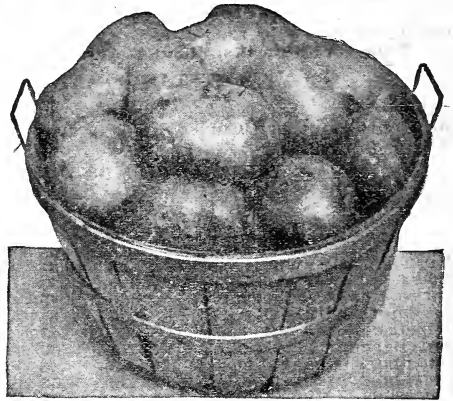
**PRICES OF POTATOES.**

For prices see colored price sheet enclosed.

Potato Seed Balls—One-third size.



The simplest method of keeping root crops in good condition for winter use—store in cool cellar in boxes, etc., and cover with dry sand or fine soil, thus excluding the air. They will keep as solid as when freshly dug, and are ready for use at any time.



Irish Cobblers.

## Hybridized Potato Seed

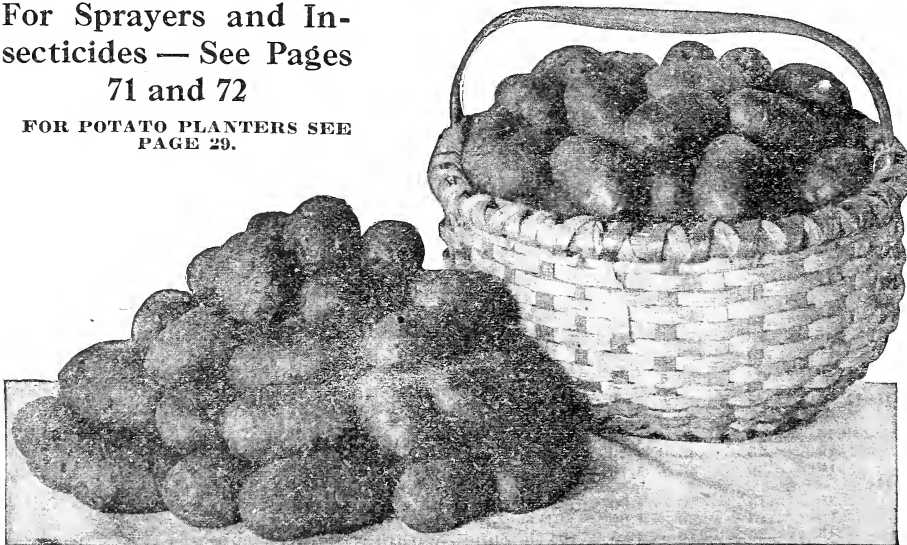
From the Seed Balls—Headquarters Stock.

Millions never saw a Potato Seed Ball. Thousands have tried in vain to get the seed. Now is your opportunity. This unrivaled seed will produce an endless variety of new kinds. Your fortune may be in one them. They are as easy to grow as tomatoes.

Growing new and distinct Seedling Potatoes from the Seed Ball Seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes and qualities. The product will astonish you. Some may be of immense value and bring you a golden harvest. Every farmer, gardener and bright boy should plant a few packets. You may be one of the lucky ones. Full directions on every packet. **Pkt., 15c; 2 for 25c; 4 for 50c; 10 for \$1.**

For Sprayers and Insecticides — See Pages 71 and 72

FOR POTATO PLANTERS SEE PAGE 29.



Choice Red River Valley Grown.

MARKET GARDENER'S PRICES, SEE PAGES 26 and 27

**IT  
KILLS  
THE  
BUGS**

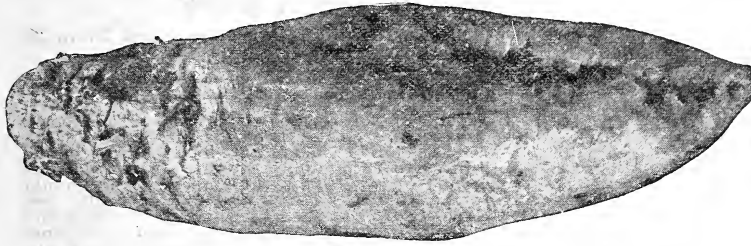
Try it

Richardson, Co.,  
Neb., May 23, 1919.

Gentlemen: I am sending you an order for Calcium Arsenate. I got 5 lbs. of you a while back and it is sure death to bugs and worms. I used one of your Acme Powder Guns.

Yours truly,  
W. D. Bryant.





**STOCK BEETS**

One ounce will sow 100 feet drill, 6 pounds per acre.  
140 to 150 days required from sowing to maturity.

When the fact is considered that 50 tons of Mangel Wurzel may be grown on a single acre, at a small outlay, the wonder is that every farmer does not profit by it.

**CORN SAVER**

**A MONEY MAKER**—In these times of high-priced hogs and higher-priced corn, it behooves the hog raiser to cast about for a cheaper fattening food for his herd. We offer you this Sugar Beet. It is not an experiment. We have been selling it for the past five years in every state in the Union. If you have not tried it, surely someone in your neighborhood has. We get hundreds of testimonials every year as to its worth as a hog fattener. Before we ever offered it as such we gave it a thorough trial ourselves on our own farm with the result that we named it CORN SAVER.

**HOW TO FEED**—We began feeding our hogs one-third corn, one-third alfalfa and one-third of the new CORN SAVER BEET. The amount of alfalfa hay and corn can be reduced from time to time until you will not have to average more than one small ear of corn to each hog, with very little alfalfa hay and the balance CORN SAVER BEET. Give them all they can eat and the hogs will get rolling fat and healthy. Our experience proves we have struck something that will make the profit on hog raising several times greater than heretofore and believe will entirely do away with hog cholera.

**AMOUNT TO SOW**—It is an easy matter to raise these CORN SAVER BEETS. Simply sow on deeply plowed soil 10 pounds to the acre from April to June, in rows 18 inches to 2 feet apart. Thin plants to 8 inches in row—transplant young plants to fill vacancies. Cultivate thoroughly with a fine-tooth cultivator or an ordinary one-row corn cultivator and you will have one of the largest money-making crops you ever raised. Beet hulls are thick. If it is dry soak seed 24 hours in water before planting.

Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c; postpaid. By freight or express, 5 lbs., \$3.50; 10 lbs. (enough for 1 acre), \$6.50.

**MANGEL AND SUGAR BEETS**

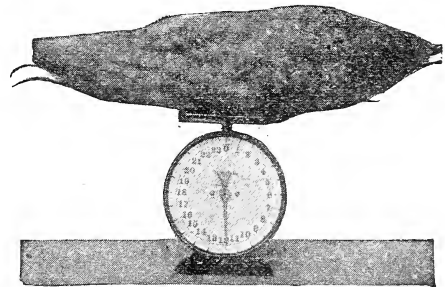
**Standard Varieties**

**DANISH SLUDSTRUP**—Long, reddish-yellow, grows well above the ground and easy to pull. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**DARK RED GIANT ECKENDORF**—Is of cylindrical form and grows mostly above the surface and, like the Sludstrup, is very easy to pull. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**GIANT HALF SUGAR MANGEL**—The roots of this new mangel are more valuable, pound for pound, than those of the best strain of sugar beet, supplying food of very much higher nutritive value and not only are they of better quality, but they yield more than twice as much. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**GOLDEN TANKARD**—A superior strain of golden-fleshed mangel; root half long and very large. It is particularly rich in milk-producing qualities. Is very easily pulled, exceedingly hardy. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; postpaid.



**Mam, Long Red Mangel**

**MAMMOTH LONG RED (Dignity)**—This is truly a mammoth, a single root often weighing 30 pounds. Enormously productive, smooth and regular in shape, with a small top. They grow half above the ground and are easily harvested. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**LANE'S IMPERIAL SUGAR**—This beet grows to a large size, will yield almost as much in bulk as the best mangels, and contains a large percentage of sugar. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**KLEIN'S WANZLEBEN SUGAR BEET**—This is the genuine Sugar Beet. The variety used exclusively by beet sugar factories. Owing to the great amount of saccharine matter it is a great stock fattener. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**SWEET POTATOES**

One bushel of potatoes should produce 2,000 sprouts, 6,000 to 7,000 plants to the acre.

**YELLOW JERSEY, YELLOW NANSEMOND**—These are the most desirable varieties. Ready about April 1st. Write for prices.

**SWEET POTATO PLANTS**—Ready about May 1st. For prices see page 3.

**REMEMBER!** Small Orders Receive the Same Attention as Large Ones.

**TO KILL POTATO BUGS USE "BUG DEATH" WITH AN ACRE AN HOUR SIFTER.**

**Tubular Hand Potato Planter.** Price, \$1.75 by express.

**Acme Hand Potato Planter.** Price, \$1.10 by express.



**Tubular**



**Acme**



## DWARF ESSEX RAPE

Grows two to four feet high. Produces from 25 to 30 tons of green fodder to the acre.

Produces feed in from six to ten weeks from sowing. Sow five pounds to the acre.

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. It is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. It does well sown with oats. After oats are cut the rape grows rapidly. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs. to the acre. True Dwarf Essex Rape, our own importation.

For price see colored price sheet enclosed.

## COW PEAS

Highly recommended to plant with oats or kaffir corn, increasing the fertility of the soil for the succeeding crop and leaving the ground mellow and clean from weeds. Do not plant until the weather has become warm; sow 2 bushels if alone and 1 bushel if with other seeds.

**WHIPPOORWILL**—Early bunch-growing variety. For price see colored price sheet enclosed.

**NEW ERA**—An early variety. Maturing seed in from 80 to 100 days. Probably the best sort for north and west. Can be sown after wheat is taken off the ground and still produce a good crop of forage or peas. For price see colored price sheet enclosed.

## FIELD PEAS

**CANADA FIELD PEAS** (60 lbs. to bushel). With oats 1½ bu. per acre, 2 bu. if alone. Very valuable for cattle feeding. Excellent for horses and pigs when sown with oats. Farmers will find it very profitable to sow these peas with oats for feed. We have a splendid grade of northern-grown fancy seed. Sow broadcast and harrow in. For price see colored price sheet enclosed.

## VETCHES

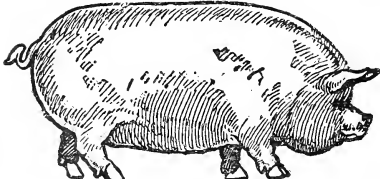
**WINTER VETCH** (*Vicia Villosa*)—The Winter Cover Crop. Also called Sand or Hairy Vetch. Is a hardy legume sown in northern states in the fall months, growing well that season and remaining green all winter. It supplies a place in the north that the less hardy crimson clover does in the south. As a winter cover crop it prevents washing or leaching of soil during the winter, and at the same time a nitrogen gatherer it enriches the soil. Vetch also furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For the hay use 1 bu. For price see colored price sheet enclosed.

**SPRING VETCH** or **TARES** (*Vicia Sativa*) (**Oregon Vetch**)—Sown broadcast at rate of 1 to 1½ bu. to acre like wheat or barley and sometimes mixed with oats, for soiling. Valuable for orchard. Used in France and Canada as a substitute for peas. Culture same as field peas. For price see colored price sheet enclosed.

## GRISWOLD'S READY QUICK HOG PASTURE MIXTURE

Good for One Season Only

Our annual "Ready Quick" Hog Pasture Mixture is good for one season only. It is especially good for hogs, but equally desirable for cattle, sheep, calves and cows. It contains 14 different grains and forage plant seeds, practically all of which grow again if fed down.



Griswold's "Ready Quick" Hog Pasture Mixture can be sown early and be ready to pasture in 6 or 8 weeks and should be in the finest kind of condition in July or August, just when your other pastures are dried up. It can also be sown in July or August and used as a fall pasture.

We recommend sowing 50 lbs. to the acre, and if your ground is very rich and strong we would say sow 75 to 100 lbs. and by all means keep it fed down, as the stock eat it better when it is young and tender. Be sure and give this valuable Mixture at least a small trial, as you cannot possibly make any mistake by sowing it. For price see colored price sheet enclosed.

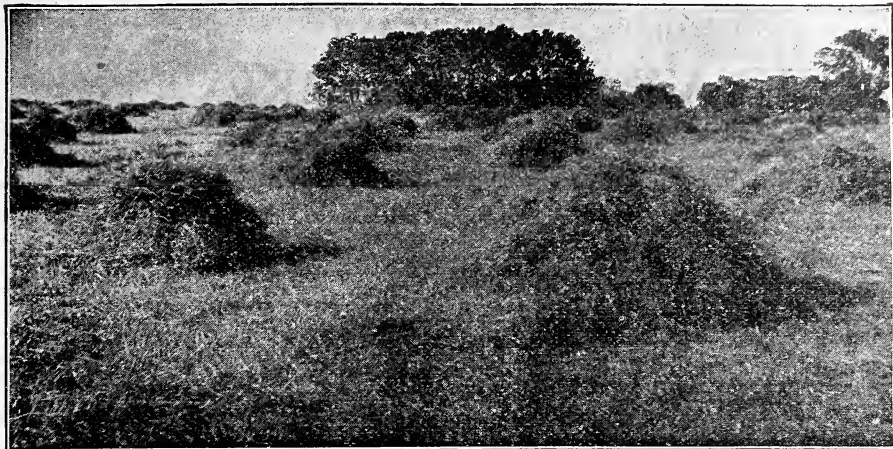
PRICES OF FIELD SEEDS SUBJECT TO MARKET CHANGES



Soy Bean

## SOJA OR SOY BEANS

**IMPROVED YELLOW**—Splendid soiling and hay crop, preferred by many to cow peas, as they stand up better and are easier to harvest. Of great value from the fact that they fertilize the soil like clover. Ground beans are equal to linseed oil meal in feeding value; as hay for silo it is equal to or better than clover. Will mature in all parts of the corn belt and in the middle states has been grown over 4 feet high; heavily podded with seed, producing 10 tons of feed per acre. For price see colored price sheet enclosed.



**ALFALFA**

Alfalfa is a perennial plant of upright growth, sometimes 3 feet high. The nature of the leaves is somewhat like clover, although not as large. The flowers are a purplish blue and appear in sprays. The seeds are small, yellowish green, kidney shaped and of about the size of a pin head.

**SUITABLE SOIL**—Alfalfa makes a strong and rapid growth on well-drained, rather heavy land, which is supplied with some lime, and where the subsoil, while not necessarily sand or gravel, is porous. On sandy soil the growth is

vigorous, when moisture is abundant, but during drought it will suffer unless the roots reach water at a depth of 8 to 10 feet. The land should slope some, as alfalfa will not stand surface water.

**SEED BED**—The land must be free from weeds and the ground must be thoroughly pulverized and well packed. Alfalfa will frequently fail if seeded on freshly plowed ground. If it is necessary to plow the ground before seeding, do it early, harrowing thoroughly and sow after a good rain has settled it.

**SPRING SEEDING**—Sow seed broadcast or with drill from March to June 15th, at the rate of 20 pounds to the acre.

**FALL SEEDING**—Disk oat and wheat land as soon as the crop is cut, and then harrow or disk every 10 days until a suitable time for sowing before the 15th day of September, when you can sow as above. Cut for hay the next fall. This is the best time to sow for all except northern states, if you are sure of getting fall rains.

**NEBRASKA GROWN SEED**—We are right in the center of the largest alfalfa seed-growing district in the United States. Nebraska-grown alfalfa seed has gained for itself a reputation of which we are proud. If you live east of the Missouri river we would advise you to INOCULATE your alfalfa seed with bacteria before sowing. In the west where there is more sunshine it is not so necessary.

**SELECTION OF SEED IS MOST IMPORTANT**—Poor seed is a primary and great cause of a poor stand. In buying alfalfa seed the highest-priced seed is often the cheapest. The loss is much greater in using seed of poor quality than the difference in cost of the seed. This loss comes from the labor thrown away, the stands lost and yields sacrificed by its use, as well as the final expense in getting rid of the weed seeds introduced.

If seed germinates poorly, one must either plant more seed or expect a thin stand. Small, shrunken seed will not produce vigorous plants. Weedy seed means the introduction into the field of plantain, dodder, thistle, mustard or some other pest, ready to take advantage of the fine fertile soil and undo the work of two years' preparation.

**AERO BRAND ALFALFA SEED**—No seed which we handle is given closer scrutiny than alfalfa. We buy only the best offered, using the microscope and analyzing for purity. Our Aero Brand grade is the brightest, plumpest and cleanest we can find; and even this is not good enough until we have cleaned it through our perfected machinery and taken out everything in the way of sand, broken grains and dirt. We invite the closest inspection of our Aero Brand Alfalfa from particular farmers and we will gladly mail you a sample on request for microscopic inspection and analysis.

**OUR FANCY GRADE ALFALFA** will be found of excellent purity, free from prohibited weeds, and grading lower than the Aero Brand because of color rather than actual value.

For prices see colored price sheet enclosed.

**TABLE OF WEIGHTS OF GRASS AND FIELD SEEDS**

Showing Number of Pounds to the Bushel and Amount of Seed Necessary for an Acre.

	No. Lbs. to Bu.	No. Lbs. to Acre.		No. Lbs. to Bu.	No. Lbs. to Acre.
Alfalfa	60	15 to 25	Milo Maize	56	4 to 6
Alsike Clover	60	6 to 8	Millet (except as noted)	50	25 to 50
Barley	48	48 to 96	Oats	32	32 to 64
Beans	60	30 to 50	Onion Sets, top	28	
Billion Dollar Grass	40	10 to 15	Onion Sets, bottom	32	320 to 400
Buckwheat	50	25 to 40	Orchard Grass	14	25 to 30
Broom Corn	46	10 to 12	Pearl Millet	50	5 to 8
Brome Grass	14	25 to 40	Peas, field or smooth garden	60	90 to 120
Blue Grass, Kentucky	14	25 to 30	Peas, wrinkled	56	
Cane in Drills	50	6 to 8	Peanuts	24	24 to 30
Cane, for Fodder Broadcast	50	100 to 150	Penicillaria	50	5 to 8
Clover, Alsike	60	6 to 8	Potatoes, Irish, good measure	60	480 to 600
Clover, Red	60	12 to 15	Potatoes, sweet	50	
Clover, White Dutch	60	6 to 8	Rape	60	5 to 6
Corn	56	8 to 10	Red Top	14	20 to 30
Corn on Ear	70		Red Clover	60	12 to 15
Cow Peas	60	60 to 90	Rye	56	72 to 90
English Blue Grass (Meadow Fescue)	24	21 to 28	Rye Grass, English or Perennial	24	50 to 60
Flax	56	28 to 42	Speltz, or Emmer	48	80 to 120
Hemp	44	30 to 60	Sweet Clover	60	6 to 8
Japanese Millet	40	10 to 15	Timothy	45	15 to 20
Johnson Grass	25	25 to 50	Wheat	60	60 to 90
Kaffir Corn	56	50 to 100			

**PRICES OF FIELD SEED SUBJECT TO MARKET CHANGES**



**GRISWOLD'S LINCOLN BRAND**

**INOCULATING BACTERIA**

Hastens Maturity  
Improves the Feeding Value

Increases the Yield  
Enriches the Soil

Builds up the Land  
Saves Fertilizer Bills

**EASY TO APPLY—Full Directions in Every Package**



Alfalfa plant on left not inoculated. Plant on right inoculated with Culture for Alfalfa. All other conditions identical. This contrast speaks for itself.

Cultures are guaranteed by us and by makers.

**PREPARED FOR**

- ALFALFA
- SOY BEANS
- COW PEAS
- FIELD BEANS
- NAVY BEANS
- CANADA PEAS
- GARDEN BEANS
- SWEET CLOVER
- RED CLOVER
- ALSIKE CLOVER
- CRIMSON CLOVER
- VETCH
- SWEET PEAS
- GARDEN PEAS
- AND ALL OTHER LEGUMES



**Soy Beans—Inoculated**  
When ordering, state crop to be inoculated.

**PRICES**

Garden size	.....	\$0.50
1-acre size	.....	.75
2-acre size	.....	1.45
4-acre size	.....	2.25
6-acre size	.....	3.00

Our Inoculating Bacteria are grown direct from the nodules. All bacteria sent out are from the second generation from the nodules. This laboratory technic in the preparation of these cultures insures the highest possible virility and therefore positive inoculation and an abundance of nodules. It is a fundamental of bacteriology that the further removed from the initial germ, the less virile. Bacteria planted and replanted to generations far remote cannot and do not insure healthy inoculation and use of such often results in failure. Our cultures bred direct from the nodules and furnished to you only one generation removed from such nodule is what has placed them at the head of the list of all legume cultures and caused them to be the most widely used in the United States.

Our cultures are not cheap cultures. They may be cheaper in price than some, but in price only. The price is still consistent with high quality. They cannot be made better even if ten times the price were offered. Every package is fully guaranteed.

Not only in virile properties do our cultures excel, but the character of the containers has much to do with preserving and insuring such virility right up to the time of use. They are put up in amber colored bottles (excluding the blue light ray which is deadly to many germs) with rubber corks and with glass air tubes and cotton filters. Thus prepared all foreign and destroying germs are excluded, yet the nitro bacteria within the bottles are fed with sufficient nitrogen to keep them alive and virile even for years.

All legume crops should be inoculated. Few soils contain sufficient bacteria to provide self-inoculation. Artificial inoculation with pure cultures has long since been determined by the experiment stations to be the only safe and sure way. Few soils unless heavily fertilized contain enough nitrogen to carry a legume crop to maturity and a maximum yield unless the proper inoculating bacteria be present in the soil and active. Inoculated legumes take their supply of nitrogen from the air and not only feed themselves during growth, but store up a surplus in the nodules formed on the roots as a supply for succeeding crops. But unless such proper bacteria are supplied or present there will be no nodules. Neither will the crop be a maximum. A good legume crop will store up in soil for use of future crops as much nitrogen as can be obtained

for \$30 to \$50 in commercial nitrogen carrying fertilizer materials. Take no chances. Inoculate all legumes with Lincoln Brand cultures. Free descriptive folder sent upon request.

**Mulford Cultures**  
**FOR LEGUMES**

**SMALL COST—LARGE RETURNS—EASY TO USE**

Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil. They are scientifically prepared and tested with the utmost care and skill. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottle insures purity.

Legumes offer the best-known means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn and other non-legume crops.

The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation and legumes with nitrogen-fixing bacteria to induce a prompt "catch" and increase your yield.

Mulford Cultures are prepared for alfalfa, crimson clover, sweet clover, red clover, alsike clover, cowpeas, soy beans, peanuts, vetch, sweet peas, garden peas, garden beans.

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

Prices: 5-acre size, \$5.00 (A DOLLAR PER ACRE); 1-acre size, \$1.50; 1/2-acre size, 50c; small size (supplied only in four varieties for Garden Peas, Garden Beans, Lima Beans and Sweet Peas), 25c. These prices include delivery on freight shipments.

**ALL CROP FARMOGERM**

**FOR FIELD CROPS, FRUITS, GARDEN**

All Crop Farmogerm is a mixed culture of 37 strains of valuable bacteria that add nitrogen to the soil, decompose organic matter, and set free plant food in the soil that would otherwise be unavailable.

All Crop does not produce nodules on plants that are not legumes, but works directly in the soil at the root of the plant.

**CROPS, VEGETABLES AND FLOWERS.**

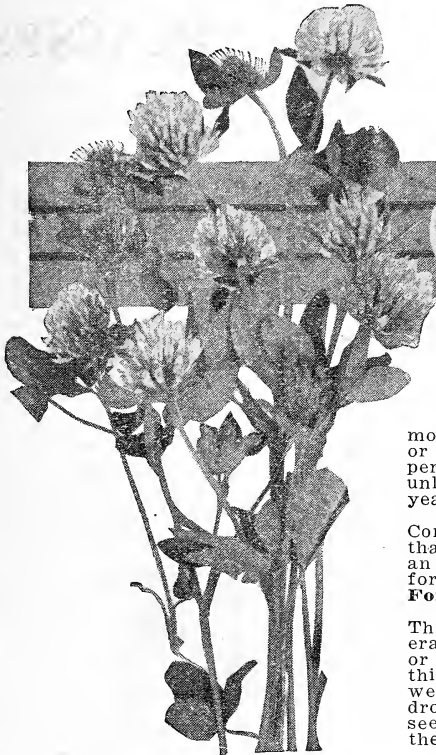
storing up nitrogen from the air and assisting in the preparation of other plant food. It does best where there is a good supply of humus or decayed vegetable matter, and the soil is sweet. Sour soil is easily sweetened by the application of lime. Price: 5-acre size, \$7.50; 1-acre, \$2.00; garden size, 75c; postage or express prepaid.

**INOCULATE—TAKE NO CHANCES OF FAILURE—INOCULATE**



Our Clover Seeds are of the Highest Quality  
and Thoroughly Cleaned and Tested

# CLOVERS



60 lbs. to Bushel. Sow 20 lbs. to Acre.

Every farmer should have some land sown to clover. It is of the greatest value for plowing under for supplying humus and nitrogen, greatly enriching the soil and increasing the following crop yield from 20 to 40 per cent.

**MEDIUM RED (Common or June Clover)**—This is by far the most important of all the varieties for hay or pasture. Sow in spring or fall, and if no other grasses are used, at the rate of 8 to 12 pounds per acre. This clover is a biennial, and at best only lasts three years unless it is allowed to reseed itself, which should be done every two years. For price see colored price sheet enclosed.

**MAMMOTH RED (Saplin or Vine Clover)**—Quite distinct from Common Red Clover. It lasts longer and is two or three weeks later than the Common Red Clover, grows from 3 to 5 feet high and yields an enormous amount to the acre; especially valuable for hog feed and for plowing under green on worn-out lands. Sow 12 lbs. to acre. For price see colored price sheet enclosed.

**ALSIKE (Swedish Clover)**—One of the hardiest of all clovers. This clover is very nutritious, yields abundantly and can be cut several times during the season. It is good for pasture, green fodder or hay. The roots do not heave like those of Red Clover and for this reason it is especially adapted for wet, moist places. It does well on most any soil and resists the severest cold and extremes of drought and wet. We advise farmers to sow 2 or 3 pounds of this seed with their Red Clover and Timothy. If alone, sow 8 pounds to the acre. For price see colored price sheet enclosed.

**WHITE DUTCH CLOVER**—Best adapted to moist soils, but does well on any land. Sow 8 pounds to acre. For price see colored price sheet enclosed.

## SWEET CLOVER (Alfalfa's Twin Sister)

**WHITE BLOSSOM or BOKHARA (Melilotus Alba)**—This lives two years and then dies. It is the variety commonly referred to when "Sweet Clover" is mentioned and is the best for general use.

Sweet Clover is a legume having the same bacteria on its roots that grow on Alfalfa. Consequently it supplies nitrogen to the soil and prepares the way for Alfalfa.

**WHERE TO PLANT**—Valuable for building up worn-out soils. It is not usually advisable to plant it where Red Clover or Alfalfa flourishes, as the crops are commonly more valuable to the grower. However, some are planting Sweet Clover in preference to other pasture crops.

It grows in a variety of soils—heavy, light, wet or dry—almost anywhere except in acid soil. But it does best on a firm, well-drained soil which is rich in lime. The Montana Experiment Station recommends it for improving alkali soils. It is a splendid green manure crop for plowing under, as it supplies so much humus and nitrogen to the soil.

**CULTURE**—Sow the seed at the rate of 15 to 20 lbs. per acre with a nurse crop of grain or alone, in well-prepared fields in April or May. Cover the seed very lightly. It may follow a cultivated crop by preparing the seed bed with surface-working implements. If the soil is plowed, this should be done several weeks before seeding.

**GOOD AS ALFALFA**—Many farmers claim that the forage from this plant is just as good as Alfalfa and just as readily eaten by the stock after they have become accustomed to it.

**TIME TO CUT**—If cut for hay it should be cut when about two feet high and before the stem is woody. If cut just before the seed is matured, two years in succession, the plant dies out entirely. For price see colored price sheet enclosed.

When you are ready to buy ask us for prices and give the amount of seed you will need. We have cheaper grades that will give good satisfaction. Get our prices and samples.



Alsike Clover



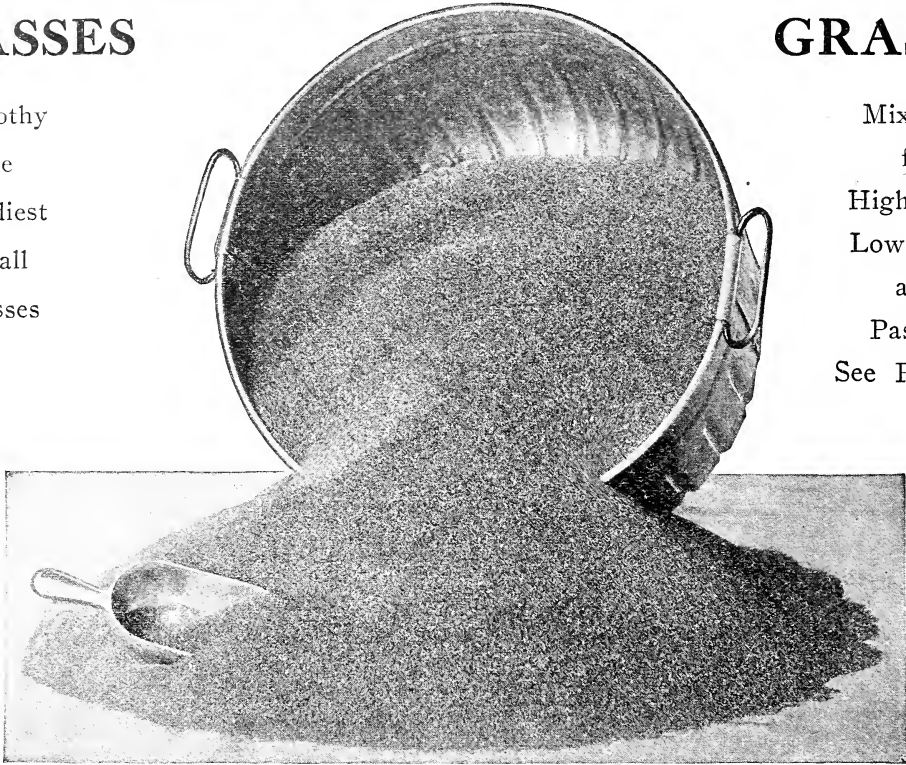
Sweet Clover

PRICES OF FIELD SEED SUBJECT TO MARKET CHANGES



## GRASSES

Timothy  
the  
Hardest  
of all  
Grasses



A Bushel of Our Superior "Aero Brand" Timothy Seed.

## GRASSES

Mixtures  
for  
High Land  
Low Land  
and  
Pasture  
See Page 35

## TIMOTHY

This grass is used exclusively for hay and does well on most any soil. Sometimes grows to the height of 4 feet on rich loam. It is exceedingly nutritious, particularly when ripe. This grass is also used for pasture. It is, however, better for hay and is sown mostly with Red Clover. **For price see colored price sheet enclosed.**

## BROMUS INERMUS

Grows in Dry, Semi-Arid Regions. Very Resistant to Drought and Freezing. Lengthens Season of Green Pasture. 14 lbs. to bu. Sow 20 lbs. per acre.

Nebraska Experiment Station says: "This is one of the principal grasses grown in the dry and semi-arid regions of Russia and Siberia. It starts very early in the spring, and continues growth until late in the fall. Brome grass spreads by means of underground rootstalks. As a hay crop, the grass usually furnishes good cuttings for two or three years, sometimes cutting three tons of cured hay per acre, after which the sod becomes so root-bound that the grass does not grow tall enough for hay (this can be overcome by disking), but will furnish the best pasture for several years."

## TIME TO SOV BROME

If plenty of moisture is present it is best to sow in the fall, otherwise it is better to sow in the spring. It is sometimes sown with winter wheat. It is recommended to sow with alfalfa where the latter is to be used as pasture. **For price see colored price sheet enclosed.**

## ORCHARD GRASS

(14 lbs to the bu.; 1½ to 2 bu. per acre.)

Because of its rapid growth orchard grass is one of the most valuable and popular of our domestic grasses. It is hardy and may be grown anywhere in the United States, except the extreme South and the arid regions of the West. It is a very hardy perennial vigorous grower and does as well in shade as in sunshine. It is about two weeks earlier than timothy and one of the last to succumb to frost in the fall.

The tendency of Orchard Grass to grow in tufts may be overcome by thorough preparation of the ground and liberal seeding or sowing with other grasses. It may be sown with good results at most any time from January to September, inclusive. Sow (if alone) 1½ to 2 bushels per acre. **For price see colored price sheet enclosed.**

When in the market for grass and field seed, write for our latest price list, some kinds may be cheaper.

GRASS SEED MIXTURES. SEE PAGE 35.



Orchard Grass

PRICES OF GRASS SEEDS SUBJECT TO MARKET CHANGES



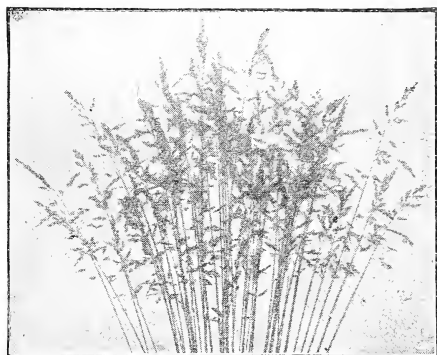
Meadow Fescue

### RED TOP

Valuable either for mixing in hay or permanent pasture grass. Succeeds almost everywhere but does best in moist, rich soil. It is being sown with Alsike in Western Nebraska, with a great deal of satisfaction. It is often sown with Timothy and Clover. **For price see colored price sheet enclosed.**

### ENGLISH OR PERENNIAL RYE GRASS

This grass is considered, invaluable for permanent pasture grass. Produces an abundance of remarkably fine foliage and soon forms a compact sod. After being cut it grows quickly and remains bright and green through the season. It is also a good variety for hay if cut when in blossom, as it is then most nutritious. Flourishes best in moist soil. **For price see colored price sheet enclosed.**



Blue Grass

### KENTUCKY BLUE GRASS

This valuable grass is very productive, usually early and very desirable as a pasture grass. It comes in the spring and with a few rains during the summer will make good pasture until late fall. It

is surprising how well this grass does west, even during the dry season. It is very desirable for lawns. **For price see colored price sheet enclosed.**

## GRASS MIXTURES

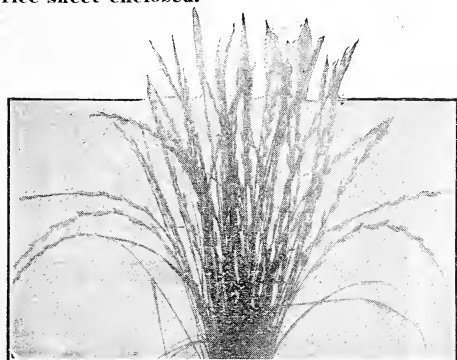
**MIXTURE FOR LOW, DAMP SOIL**—Can be cut for hay, but better for pasture. Kentucky Blue Grass, Red Top, Meadow Fescue, Alsike Clover, English Rye Grass and Timothy. **For price see colored price sheet enclosed.**

**MIXTURE FOR HIGH LAND**—Good for pasture and hay. Brome Grass, Meadow Fescue, Orchard Grass, Timothy, Alfalfa and Red Clover mixed in proper proportions. **For price see colored price sheet enclosed.**

**SHADY LAND GRASS MIXTURE**.—For orchards or timber pastures. This is a permanent grass mixture and is equally well suited for pasture or lawn. It is difficult to start unless the soil can be cultivated, but a top seeding in early spring without cultivation will result in better pasturage than if no care is given other than nature's methods. **For price see colored price sheet enclosed.**

**UNIVERSITY GRASS MIXTURE**—This is a special mixture recommended by the University Experiment Station as the best for pasture. We mix it in the right proportion and use only the very best grade of seed. Brome Grass, Meadow Fescue, Orchard Grass, Alfalfa. **For price see colored price sheet enclosed.**

**MIXTURE FOR PERMANENT HOG PASTURE**—This will be considered very heavy seeding and expensive, but if you have a hog pasture for keeps, you cannot afford to skimp on seed or limit the varieties. Alfalfa, Mammoth Clover, Timothy, Blue Grass, Orchard Grass, Meadow Fescue. **For price see colored price sheet enclosed.**



English Rye Grass Seed Heads

PRICES OF GRASS SEEDS SUBJECT TO MARKET CHANGES



# SEED CORN

**OUR SEED CORNS, EARLY AND LATE DENTS AND FLINTS, ARE THE BEST BRED TYPES**



**GOLD MINE**—The grain is a rich golden, shining like new coin from the mint; dent, long, deep; kernel often over three-fourths of an inch long. This corn will shell more pounds to 70 pounds of ears than any corn we know of. Seventy pounds of Gold Mine on the ear will make 62 to 63 pounds of shelled corn. This is the smallest proportion of cob of any variety.

**HOGUE'S YELLOW DENT**—This corn is highly endorsed by the State Experimental Station and is one of the very best corns for Nebraska and Kansas. Ears are medium size to large, maturing in about 100 days.

**IMPROVED LEAMING**—A rich golden dent corn, good sized ears, rich in protein. Owing to the deep, bright color, smooth, tapering ear, and solidity and weight of this corn, it is in high demand by shippers, either for ear corn or shelled. It is a very productive sort, and because of the smooth, even surface, it is much nicer to handle than the rough, hacked sorts.

## Silver Mine

**IMPROVED IOWA SILVER MINE**—Silver Mine is the most popular White Corn grown in the corn belt. It is a pure white dent corn with ears of good size and is inclined to be well over the butts and tips. It is early, yields heavy, has deep grains, stands up well and will probably grow more corn to the acre on thin land than any other variety. It yields enormously on heavy land.

**CALICO**—That fine, large, variegated corn that always yields well and makes big ears. This corn always gets ripe before first.

**IMPROVED REID'S YELLOW DENT**—Has a wide reputation and is endorsed by more experiment stations than any other corn grown. Has heavy stalks with an abundance of blades, making extra fine fodder. It will ripen in 90 to 100 days will yield from 50 to 80 bushels per acre ordinary farming.

**PRIDE OF THE NORTH**—This is a well-known variety; beautiful, deep dented, fine golden color, 8 to 9 inches long, with small cob and very long and deep kernels. A tremendous sheller. Seventy pounds of ears will make 60 pounds of shelled corn. Stalks grow

to about 7 1/2 feet, are short jointed and leafy; average distance base of ear from ground is 3 feet. Two well-developed ears are frequently found on one stalk. Yields 40 to 75 bushels to the acre. Ripens in 85 to 90 days. Is hardy and vigorous.

**WHITE CAP BUTCHER**—A medium yielder, early red corn with white cap; will mature in 85 to 90 days and be good and sound.

**WHITE FLINT**—The great feature of this variety is the large grains and small cob it produces. The ears are 12 to 13 inches long, smooth and symmetrical. Kernels are broad and flinty, and white in color. White flint makes a very sturdy and vigorous grown with a great abundance of broad, succulent leaves, and is of great value for fodder and silage as well as grain.

**YELLOW FLINT**—Similar to White, except color. For price of any of the above seed corn see colored price sheet enclosed.

**BEFORE ORDERING A QUANTITY OF SEED CORN, WRITE US FOR PRICES.**

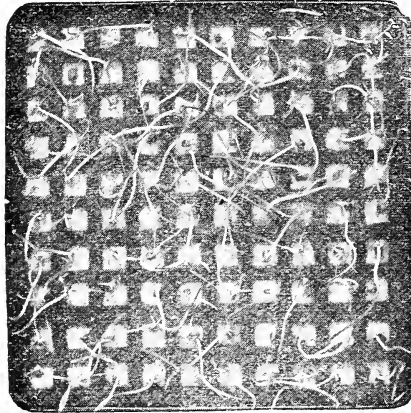
## POPCORN

**QUEEN'S GOLDEN**—The largest of all popcorns. The stalks grows five to six feet high, and bears two to three large ears each. It is yellow, but pops creamy and white, and of excellent quality. Price: Pkt., 5c; lb., 25c; postpaid.

**WHITE RICE**—A prolific variety. Ears short; kernels long, pointed and white. Probably no variety of popcorn is superior to this for popping. Price: Pkt., 5c; lb., 25c; postpaid.

Ask for prices on popcorn in large lots.

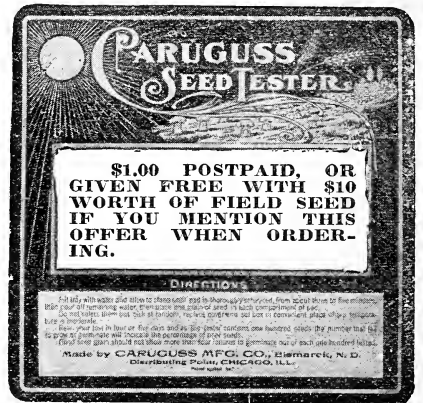
**AUSTRALIAN HULLESS**—The Quality Popcorn—Also known in some sections as Japanese Rice, Tom Thumb, or Bumble Bee Popcorn. The Australian Hulless is a dwarf, growing corn, a heavy yielder of attractive ears, peculiar in form, being nearly as thick as long. The kernels are similar to the best strains of White Rice, only longer and slimmer and pearly white in color, but its crowning merit lies in its popping quality, fine flavor and absence of hull or shell. Most tender and delicious flavor when popped, without any hard particles, melts in your mouth. It is grown extensively for market. Try it once, you will not be without it again. Price: Pkt., 10c; lb., 40c; postpaid.



The Bottom of Tester

**CORN PLANTERS AND SHELLERS LISTED ON PAGES 74 and 76**

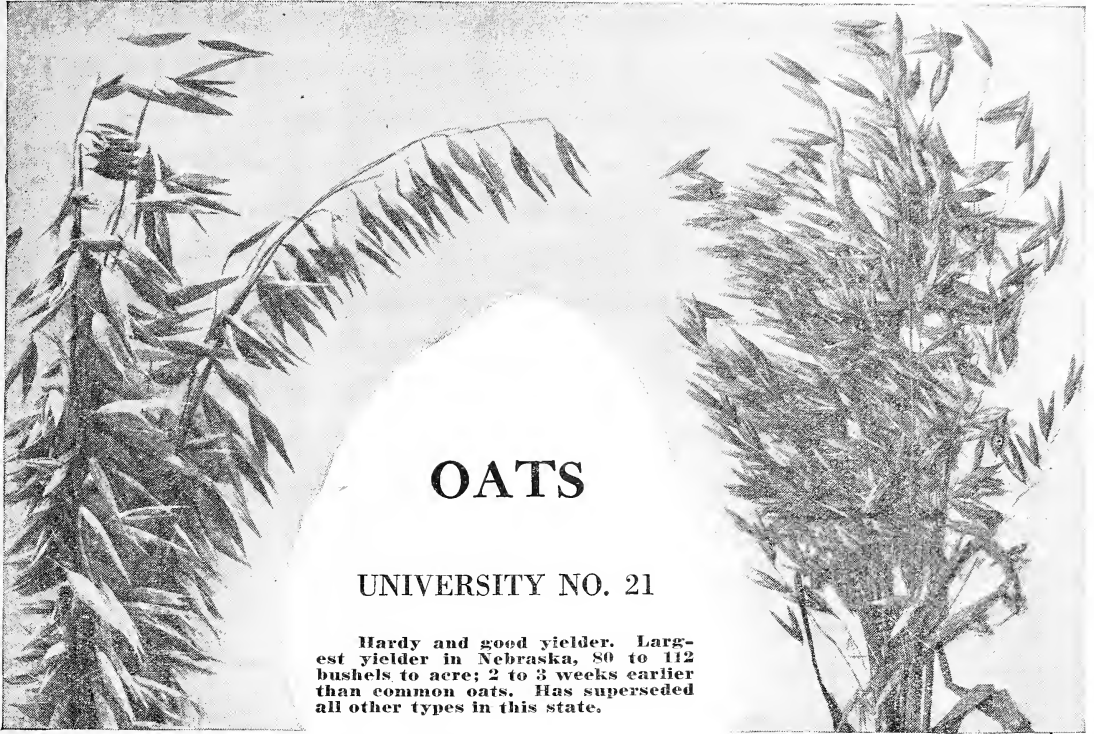
Every corn planter should have this seed tester for testing his seed corn. There are 100 separate apartments in the felt for testing seeds. Requires little attention.



The Cover

**PRICES OF FIELD SEEDS SUBJECT TO MARKET CHANGES**





## OATS

### UNIVERSITY NO. 21

**Hardy and good yielder. Largest yielder in Nebraska, 80 to 112 bushels to acre; 2 to 3 weeks earlier than common oats. Has superseded all other types in this state.**

The Nebraska Experiment Station in Bulletin No. 160 says: "Strain No. 21' ranked first in yield. Its yield was 7.8 bushels per acre greater than the original Kherson Oats as an average for the four-year period. The consistent superiority in yield of strain No. 21 in the field plats as well as the nursery indicates a marked improvement over the original Kherson Oats. The white color would also give it an added value on the general market."

Being an extremely early variety it is of almost incalculable value as a nurse crop; keeping the land clean; rendering early harvesting; maturing before extreme heat; permitting of growing late sowing crops; kernel is slender, plump and white. Very high in nutritive value. No better oat on earth for rich, heavy soils. Grand oat for light soils. In fact, it is a genuine money maker.

Our seed has been obtained directly from the original No. 21 oat as sent out by the Nebraska Experiment Station. **Price: Bu., \$1.40; 10 bu., \$13.50; 25 bu., \$32.50; 50 bu., \$62.50.**

### KHERSON OATS

#### KNOWN AS UNIVERSITY OATS NO. 1

Kherson Oats, when ripe, are a beautiful yellow in color. They have fine large sprangles or full heads. The leaves are broad and extend nearly to the roots. They are a good yielder under favorable conditions. They do much better than many other varieties in dry seasons, giving a fair crop when other varieties yield hardly 10 bushels to the acre. This variety is especially adapted to soils where others would lodge, as it has a short, stiff straw, bearing grain nearly one-half its length. It is an immense yielder and on account of its earliness usually escapes rust when other varieties may be entirely ruined. Kherson Oats ripen with barley and the extra early wheats, hence they make splendid succotash mixtures when grown together. We have a fine lot of Kherson Oats for seed. **For price see colored price sheet enclosed.**

### SWEDISH SELECT OATS

Swedish Oats have given such general satisfaction that we know many will still adhere to this favorite. One reason for its enormous yields is its "three-kernel feature." It has been bred and selected to produce three kernels to the pod. The grain is short and plump and very heavy, of clear white color. The stock we offer is pure and clean, entirely free from any weed seed or seed of any other oat or grain. They are also acclimated to American conditions of soil and climate, and for this reason give much better results. At an extra cost of but a few cents per acre you can increase your yields 25 to 50 per cent just as well as not, by using our seed. **For price see colored price sheet enclosed.**

### BARLEY WRITE US FOR QUANTITY PRICES

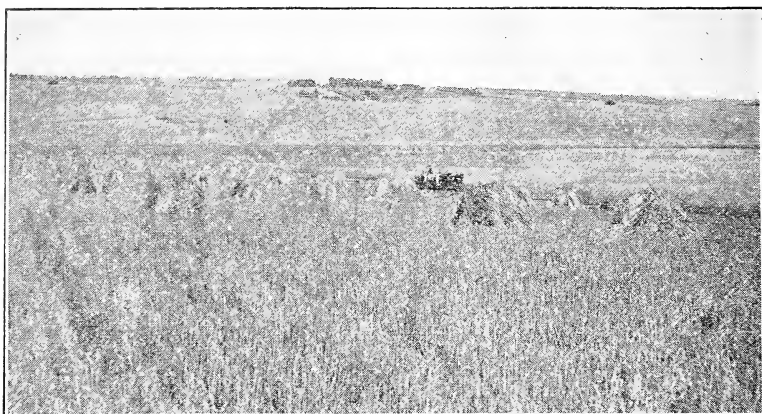
**WHITE HULLESS**—A valuable variety, has large heads, plump kernels, both hullless and beardless and looks like large white wheat. Is two or three weeks earlier than any other barley and, an immense yielder. Stools wonderfully. Sow only 1½ bushels per acre. **For price see colored price sheet enclosed.**

**COMMON**—Succeeds best on lands more sandy and lighter than those adapted to wheat. Sow from 2 to 2½ bushels per acre. **For price see colored price sheet enclosed.**

**MANDSCHEURI**—It is an early six-rowed bearded variety, maturing 80 to 90 days from the time of sowing; is very strong strawed and stools well, bearing large heads of plump grain; adapted to all kinds of soil and climate. **For price see colored price sheet enclosed.**

**CHAMPION**—It is beardless and nice to handle. Grows tall and stands up well. Straw is good and grows taller than any other variety. **For price see colored price sheet enclosed.**

**PRICES OF FIELD SEEDS SUBJECT TO MARKET CHANGES**



Spring Wheat

**MACARONI OR DURUM WHEAT**—Sent out by the United States Department of Agriculture under strong recommendation as to its great value for semi-arid lands where good crops of spring wheat could not ordinarily be produced, has more than justified every claim made for it. The acreage of this variety is increasing every year in spite of the opposition of some millers. It outyields by far any other variety of spring wheat, and it has been demonstrated that it makes bread superior to that made from the best Fife Wheat flour, and has proved to be practically immune to the dreaded rust. In growing it resists extremes of weather which no other wheat will endure. **For price see colored price sheet enclosed.**

### SPELTZ OR EMMER

This new grain was first introduced into this country, years ago, and has proven of great value. It has become a staple crop in all sections of the West and Northwest and its position in the list of grains is thoroughly established. It is grown and handled in the same manner as barley, though many feeders do not thresh it but feed direct from the stack or shock. It is really better to thresh it as the process breaks up the beards and straw so that the animals eat it more readily. It is a splendid feeding grain, in our opinion second only to corn, and in dry or cold sections where corn will not mature Speltz will be the very best live stock feed that can be produced. It is in the cold and arid regions that it thrives best, and will yield wonderful crops under adverse conditions. **For price see colored price sheet enclosed.**

### BUCKWHEAT

**JAPANESE**—This sort has proven to be much earlier and more productive than any other variety. The grains are very large and of rich, brown color. It excels in yield and earliness. **For price see colored price sheet enclosed.**

**SILVER HULL**—A very good and popular variety. The grain is of light color, is rounder than the common variety, matures earlier, and yields a half more to the acre. **For price see colored price sheet enclosed.**

### BROOM CORN

46 POUNDS TO THE BUSHEL

**OKLAHOMA DWARF**—Possesses several features of merit which place it at the head of others, viz.: Its earliness, dwarf habit (5 feet high), robust growth, extreme productiveness, long, well-fibered brush and its ability to resist drought. **For price see colored price sheet enclosed.**

**IMPROVED EVERGREEN**—The best variety for general cultivation account of color and quality of brush. **For price see colored price sheet enclosed.**

## SPRING WHEAT

### MARQUIS

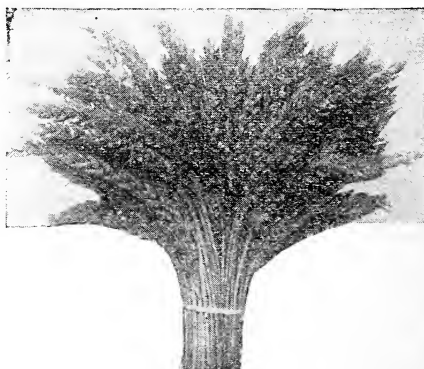
Ten days earlier than Blue Stem or Red Fife and produces 5 to 10 more bushels per acre.

This is the wheat that won the \$1,000 prize at the New York Agricultural Exhibition against all exhibitors, representing every wheat growing section of the western hemisphere. Superior to any known variety in milling and baking qualities. It has recorded a yield of 50 bushels per acre. It was originated at the Experiment Station at Ottawa, Canada, and introduced to the public in 1905. We recommend it as the best beardless spring wheat for this latitude.

**Appearance**—Marquis Wheat is similar in appearance to Red Fife, but the heads, as a rule, are heavier and the straw shorter, making it less likely to lodge. The kernel is flinty, a little darker in color than Red Fife, being dark red, and more plump than that variety. It is beardless, having smooth, yellow chaff. Under certain climatic conditions a small percentage of the heads sometimes show a reversion to the Hard Calcutta parent by bearing beards. Otherwise these heads are identical with the bald heads, maturing at the same time and containing the same size and shape of kernel. It weighs from 64 to 66 pounds to the measured bushel. **For price see colored price sheet enclosed.**

### SEED FLAX

It will pay you to sow nice, pure, high-grade flax seed. For several years the available supply has not equaled the demand and prices have been very high. Our seed is thoroughly re-cleaned, free from mustard or any other weed seed and is as good as can be purchased anywhere. Don't buy flax seed on open market. It is generally full of weed seed. One of the most profitable crops, especially on new land. **For price see colored price sheet enclosed.**



Marquis Wheat

### TEOSINTE

95 TONS GREEN FODDER PER ACRE

It resembles corn somewhat in appearance, but the leaves are much longer and broader and contain sweeter sap. It suckers more than any other forage plant, generally producing 20 to 30 stalks from one kernel of seed, and growing to a height of 11 feet. Can be cut two to five times in one season when 2 to 3 feet high and used for green fodder, or it can be dried and makes a magnificent fodder for cattle during the winter months. **For price see colored price sheet enclosed.**

PRICES OF FIELD SEEDS SUBJECT TO MARKET CHANGES



**KAFFIR CORN**

This is the most excellent plant, yielding two crops of fodder during a season. It grows from five to six feet high, making a straight upward growth. The stem, or stalk, bears numerous wide leaves. The stalks keep green and brittle and juicy, making an excellent fodder either green or dried. The seed is fine chicken feed.

It also seeds heavily, sometimes yielding 60 bushels to the acre. Both grain and fodder are excellent. The stalks remain tender to full maturity of seed. For fodder sow one to two bushels either broadcast or in drills. For price see colored price sheet enclosed.

**FETERITA**

Similar to Milo Maize and Kaffir Corn in general habit. It matures earlier than either, however, and the grains are somewhat larger and softer. It is also said to be more prolific, yielding thirty to fifty bushels of grain per acre, and suitable for feeding most any kind of live stock. It is especially recommended in the semi-arid regions of the West, or upon poor soil where ordinary Indian Corn will not produce a profitable crop. It produces stalks of medium height with ten to twelve leaves and a large upright seed head, well filled with grain. The plants stool freely producing numerous smaller seed heads. It matures a crop in 70 days—about three weeks earlier than Kaffir Corn. For price see colored price sheet enclosed.

**MILO MAIZE**

Milo Maize is an excellent grain for dry regions. It will yield 15 bushels to the acre under conditions so dry that corn will be a total failure. When fed with some succulent feed such as alfalfa, stock beets or sorghum, it makes fine feed for fattening cattle. To prevent waste Milo Maize should be fed in heads or ground. Plant 4 to 6 pounds per acre in rows and cultivate. For price see colored price sheet enclosed.

**JERUSALEM CORN**

The best and surest grain crop for dry countries—even better than Kaffir Corn, Dhoura and Milo Maize. It grows from 3 to 5 feet high, makes one large head on the main stalk, and several smaller ones on the side shoots; well filled with valuable grain for stock and chicken feed. Eight heads sometimes grow on one stalk, the grains are pure white and nearly flat. Three pounds will plant an acre. For price see colored price sheet enclosed.

**CANE OR SORGHUM**

**FEEDING VALUE**—It is known quite definitely that an acre of sorghum will produce more food value, more pounds of beef or pork, when properly fed, than an acre of corn. The main use of the crop, however, is for a winter supply of forage, and it has this advantage over corn or any other kind of grain, that it can be sown late. It furnishes fodder in 70 to 90 days and matures seed in about 100 days.

**TIME TO SOW**—Sorghum may be put in almost any time up to the middle of July. June is the best time.

**HARVESTING**—Harvest as late as possible to avoid hard frost, in order that the fodder will retain its sweetness and succulence. When sown broadcast cut with a mower and allow to dry for a week or ten days,

after which it may be put in shocks weighing about 500 pounds and allowed to stand until fed. For price see colored price sheet enclosed.

**SCHROCK KAFFIR-SORGHUM**

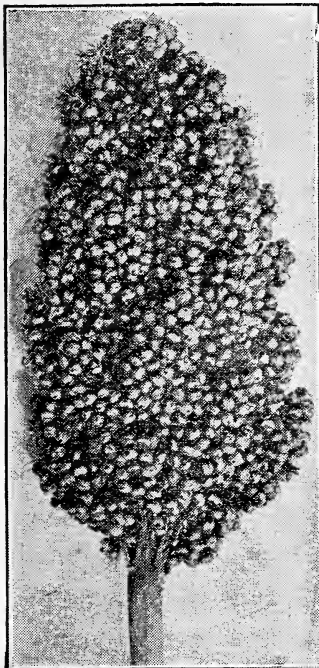
Stocky growth about 4 feet high, very heavy leafy foliage, very wide leaves, juicy, soft, sweet stalk. Erect heads, Kaffir-shaped; seeds deep orange, larger and softer than White Kaffir. All seed heads rise to about same level, making easy topping. Suckers from roots, each sucker bearing large head; main stock side branches at leaf joints, each shoot bearing seed head. **Stays green and bearing new heads till killed by frost. Largest yielding, surest dry weather grain producer known.** The stalks and heads never break nor lodge and seed never shatters, no difference how long left in the field. Owing to tightness of the hull, birds do not trouble it as they do the other varieties. Threshes out fairly free of caps. Any live stock with teeth and hoofs greedily eat every particle of the plant. Has record of 70 bushels per acre without irrigation.

Dry grain has same feeding value as White Kaffir and like White Kaffir for best results should be either ground or fed in the head.

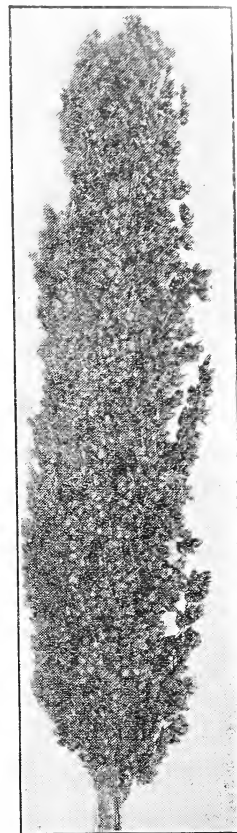
Finest of poultry feed.

Makes best silage in the world because of soft, sweet stalk and immense amount of leaves and grain.

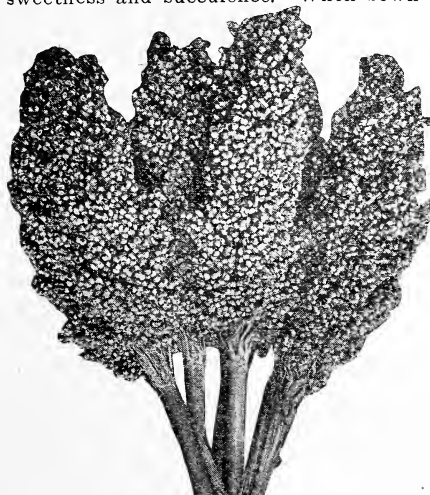
For price see colored price sheet enclosed.



Milo Maize



Cane or Sorghum



Kaffir Corn.

**PRICES OF FIELD SEED SUBJECT TO MARKET CHANGES**



## MILLETS

**GOLDEN MILLET**—This grows very rank and is one of the best varieties for hay on account of being so sweet, palatable and milk-producing. On good, rich soil it will make a growth of 4 to 5 feet, and although the hay may seem coarse, yet it is so tender that if cut at the right stage, which is when in full bloom, even the hogs will eat the cured hay quite greedily. A yield of five tons of hay per acre is nothing unusual. Sow three pecks per acre. **For price see colored price sheet enclosed.**

**SIBERIAN**—(Also called Red German, Dakota and Early Russian Millet.) It is from two to four weeks earlier than German millet, and can be cut for hay in 60 days from planting. The blades are wide, the straw fine and soft and does not make as much hay as German millet. It stools heavily. Sow  $\frac{3}{4}$  bu. broadcast or  $\frac{1}{2}$  bu. in drill to the acre for hay, on rich land. **For price see colored price sheet enclosed.**

**WHITE WONDER MILLET**—Has been raised in western Kansas for several years and it is just as hardy and vigorous as other millets. The most striking feature of the White Wonder Millet is the size of the heads. The heads will run from

eight up to eighteen inches and a single head will have as many as 15,000 seeds. Another very desirable feature of White Wonder Millet is its earliness. This variety is much earlier than German Millet but not quite as early as the Siberian variety. The foliage is very heavy, the leaves broad, and therefore it produces an immense amount of excellent fodder which cures very readily. **For price see colored price sheet enclosed.**

**HOG MILLET**—The seed is very rich and thus especially valuable as a hog food. Seed, also makes very fine feed for poultry and young chicks. A very much prized peculiarity of this millet is that the seed ripens while the stem is yet green, thus if cut promptly can be threshed for the seed, while the hay after being threshed, will make excellent fodder. Sow same as other millet. **For price see colored price sheet enclosed.**

White Wonder Millet.



**JAPANESE BARNYARD MILLET**—(Called "Billion Dollar Grass," owing to its high value.) Its greatest value is for green fodder, of which it yields 3 to 5 tons per acre. It is excellent for cows, producing more milk than corn fodder. It grows 6 to 8 feet

high, and produces 50 to 90 bushels of seed per acre. It should be sown the latter part of May, 10 pounds per acre. **For price see colored price sheet enclosed.**

## SUDAN GRASS

The Greatest Drought Resister Known.

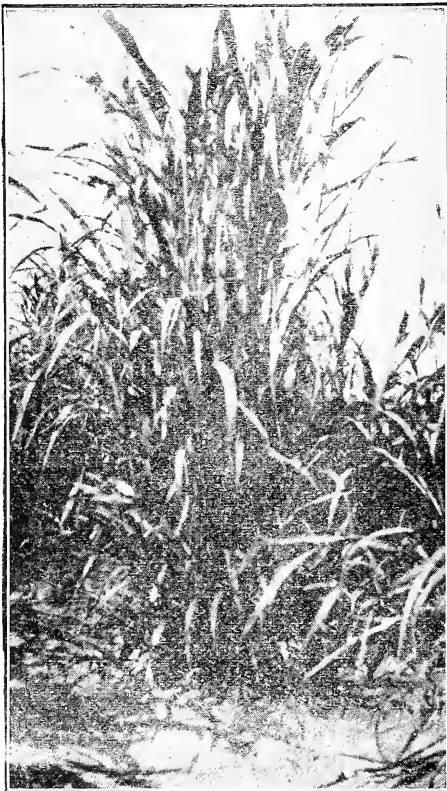
A new forage crop of immense value to farmers. Sow in drills 2 to 3 lbs. per acre; broadcast 25 lb.

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

The grass cures easily, making hay of excellent quality, which is readily eaten by all kinds of live stock. Will ordinarily yield two cuttings of hay in a season. The hay should be cut as soon as the grass is fully headed. Two or more cuttings per season can be made, and the yield is from two to four tons per acre. The quality of Sudan Grass hay is superior to Millet hay and is said to be about equal to Timothy. Sudan Grass is admirably suited for growing in mixtures with field peas, cow peas, sand vetches and other legumes, the stiff stems of this grass supporting the vines of the legumes well. Will grow on practically all soils and can be used as a catch crop, same as Millet. Sudan Grass is strictly an annual and dies each year like Millet. **For price see colored price sheet enclosed.**

PRICES OF FIELD SEEDS SUBJECT TO MARKET CHANGES

Sudan Grass.



Golden Millet.

# Griswold's Flower Seeds

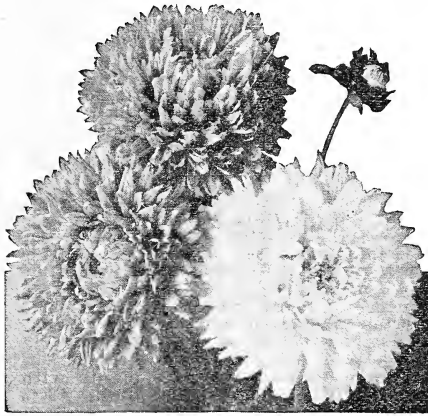
## General List of Annuals

In this department we include both annuals that bloom and die the first year, and, such perennials as flower freely the first year. For Perennials, see pages 48 to 50.

### FLOWER SEED—ALL PRICES POSTPAID

IT WILL PAY YOU TO READ THE FOLLOWING CAREFULLY.

**GENERAL CULTURE**—A rather light and moderately rich soil thoroughly spaded, is most desirable. That the tiny seedlings may be seen and the weeds removed, it is better to plant all flower seeds in rows. Sow the seed evenly in the rows, cover with the finest of soil, about three times the diameter of the seed, and press the soil firmly over the seed. Keep covered with cloth or paper till sprouts appear. The soil should never become dry after the seeds have been swelled, for if it does, they will be pretty sure to fail. Do not grow the plants too thick. Keep the weeds down and the surface of the soil well stirred with a hoe or rake during the summer especially if the weather is dry. A great many varieties can be sown in the house, if desired, early, and afterwards transplanted. Most plants will continue to bloom much longer if the flowers are picked, and not allowed to form seed. **Discount: Any 6 of our Large 5c Packets for 25c.**



Asters.

**Camellia-Flowered**—The best of all Balsams. Flowers very large, perfect in form, double and produced in abundance. **Mixed colors. Pkt., 5c.**

**BACHELOR'S BUTTON**—(See *Centaurea Cyanus*), page 42, and *Globe Amaranth*, page 43.)

**BUTTERFLY FLOWER**—(See *Schizanthus*, page 45.)

**CASTOR BEAN**—(See *Ricinus*, page 45.)

**ABRONIA (Sand Verbena)**—6 inch. Sweet scented, trailing plants, rosy-lilac flowers, borne in clusters. Suited for rockeries. **Pkt., 5c.**

**ACROCLINUM**—2 foot. Daisy-like everlasting flowers; pink, white or mixed. **Pkt., 5c.**

**AGERATUM**—5 inch. One of the best border flowers, blooming all summer; of easy culture. Grows 5 inches high. **Blue or white. Pkt., 5c.**

**AGROSTEMMA (Rose of Heaven)**—1 foot. Attractive pink blossoms on long, slender stems. Very pretty in masses. **Pkt., 5c.**

**ALYSSUM**—5 to 10 inches. Profuse bloomer, good for bordering or for bouquets; fine for window boxes. Sow very early.

**Sweet**—Fragrant white flowers. The old favorite. **Pkt., 5c.**

**Little Gem**—Dwarf and compact. Good for border. **Pkt., 5c.**

**Carpet of Snow**—Very dwarf trailing plant. **Pkt., 5c.**

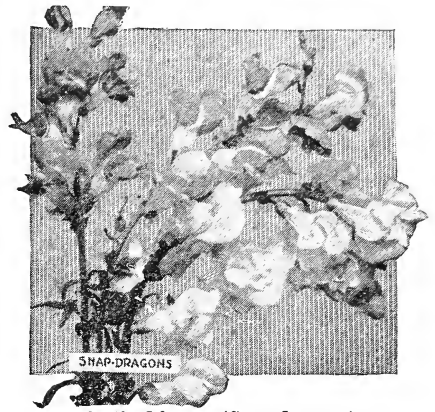
**AMARANTHUS (Tricolor Splendens—Joseph's Coat)**—2½ feet. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. The colors are especially brilliant if grown in poor soil. **Pkt., 5c.**

**ANTIRRHINUM (Snapdragon)**—Dark glossy leaves and beautiful spikes of flowers, with finely marked throats; one of the most showy border plants. Of easiest culture.

**Queen of the North**—Large, fragrant white flowers. Nice for pot culture as well as borders. **Pkt., 5c.**

**Tall Sorts**—18-inch. **Mixed.** All sorts of red and yellow; best for cutting. **Pkt., 5c.**

**Dwarf Sorts**—8-inch. **Mixed.** Large variety of colors; best for edging. **Pkt., 5c.**



Antirrhinum (Snapdragon).

**ASTERS**—One of the most popular flowers for late summer and fall display. Sow seed early in deep soil with plenty of mulch.

**Hohenzollern**—Improved. The flowers are very large and double with curled petals on long stems very graceful; mid season to late blooming. **White, blue, pink, lavender, purple or mixed. Pkt., 10c.**

**Giant Comet**—A beautiful, distinct variety, resembling chrysanthemums. **White or mixed colors. Pkt., 10c.**

**Queen of the Market**—The best early aster flowering two weeks earlier than the other varieties. **White, pink, blue or mixed. Pkt., 5c.**

**Branching**—Large, late-blooming, with long, strong stems. **Purple, pink and mixed. Pkt., 5c.**

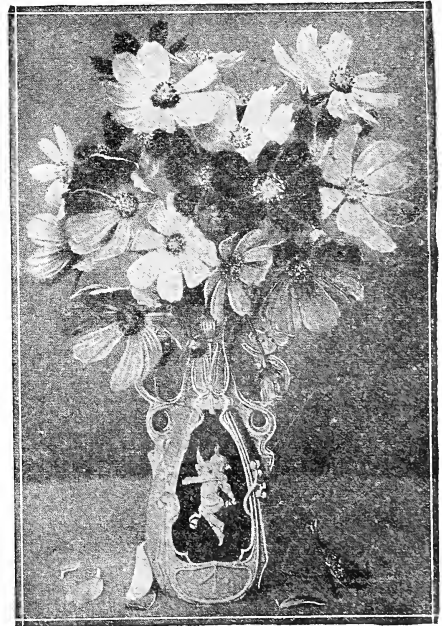
**Betteridge Quilled**—Flowers large, freely produced, and of brilliant colors; height 12 inches. **Mixed colors. Pkt., 5c.**

**Peony Perfection**—Large and perfectly double, with beautiful curved petals, giving flowers a globular form. **Mixed colors. Pkt., 5c.**

**Chrysanthemum Dwarf**—Early flowering; 9 inches high. Good sized flowers, free bloomer. **Mixed colors. Pkt., 5c.**

**Started Plants**—Mixed colors. **Per dozen, 50c; postpaid.**

**BALSAM**—Sometimes called "Touch-Me-Not" or "Lady's Slipper." A tender annual growing about eighteen inches tall in the shape of a small tree and producing all along the branches showy single and double flowers like small roses. Should be grown in rich soil.



Cosmos. (See page 42.)



Calendula.

**Heddeewigi Fireball**—Brilliant scarlet. Pkt., 5c.

**Heddeewigi Midnight**—Blood red. Pkt., 5c.

**Heddeewigi (Double Japan Pinks)**—Much larger than the Chinese Pinks.

**CALENDULA**—The old "Pot Marigold." A very hardy annual with double yellow flowers, like double daisies. Blooms all summer and grows about 15 inches tall. Mixed. Pkt., 5c.

**CALLIOPSIS**—Very hardy and showy annual with bright yellow and reddish brown single daisy-like flowers easily grown and useful both for garden decoration and cutting. Sow early and thin to 6 inches apart. Mixed. Pkt., 5c.

**CANDYTUFT**—A free-flowering, hardy annual somewhat resembling Alyssum, but larger, with longer heads of bloom, fragrant and easily grown early in the season. Sow early where plants are to bloom.

**Empress**—A complete mass of pure white flowers. Valuable for bouquets. Pkt., 5c.

**Fine Mixed**—All colors. Pkt., 5c.

**CANNA (Indian Shot)**—Stately plants with handsome foliage and showy flowers. The seeds should be soaked 24 hours in warm water before planting. If sown in February, should bloom in July.

**Crozy's Dwarf Hybrid**—Saved from best and largest flowers only. All colors. Pkt., 5c.

**CELOSIA CRISTATA (Cockscomb) Plumosa**—About 2 feet-high, of branching habit, with feathery plumes of brilliant red; one of the most effective ornamental plants.

**Tall Varieties**—Mixed. Pkt., 5c.

**Dwarf Varieties**—Mixed. Pkt., 5c.

**CENTAUREA**—There are two types of this plant, one the "Gymnocarpa" or "Dusty Miller," a plant with silvery gray foliage and largely used for bordering formal beds, and the other our old-fashioned Bachelor Button or Corn Flower Centaurea Cyanea, which is a very hardy annual flowering all summer and useful for cutting. Very easily grown.

**Cyanus (Bachelor's Button)**—Also called Blue Bottle, Ragged Sailor and Corn Flower. Is a hardy annual, coming up year after year from self-sown seed. Mixed. Pkt., 5c.

**EMPEROR**—Intense blue. Bachelor Button. Pkt., 5c.

**Gymnocarpa (Dusty Miller)**—Graceful, fine cut, silvery white foliage. Nice for edging beds. Pkt., 5c.

**Imperialis (Giant Sweet Sultan)**—Double sweet-scented flowers borne on long, stout stems. Keeps for a week in water, if cut when about to open; 2 feet high; mixed. Pkt., 5c.

For Fertilizer in the flower beds use "Red Snapper."

**CHRYSANTHEMUM (Annual)**—Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer flowering border plants, good for pot culture and quite distinct from the autumn flowering varieties. Choice mixed. Pkt., 5c.

**Clarkia**—Very pretty, free flowering annuals desirable for shady places. The flowers of rose, white, red, purple, etc., borne in profusion during the summer; 1 to 2 feet. Mixed. Pkt., 5c.

**CLEOME Pungens (Giant Spider Plant)**—Rose colored flowers with long stamens. A tall grower and blooms freely until frost. Pkt., 5c.

**COLEUS**—The most popular of all foliage plants. Easily grown from seed, but must be started in a box in the house or hot-bed, as the seed is very fine and when sown is scarcely covered, but must be kept moist. Tender annual. Pkt., 5c.

**CYCLAMEN (Giganteum)**—They make flowering bulbs in one season if sown in sandy soil. Beautifully mottled leaves, immense flowers of great substance. Mixed colors. Pkt., 15c.

**COSMOS**—Autumn blooming plant of exceedingly graceful habit. The single star-like flowers are borne profusely in loose clusters, ranging in color from white through pink to crimson. The feathery spring green foliage well adapts it as a background for dwarfed flowers. If topped when half grown the plants bloom much earlier, the check inducing immediate flowering. Seeds should be sown early in the spring and the plants transplanted two feet apart when danger from frost is past. Grows 5 to 7 feet high.

**Lady Lenox**—Strong, vigorous grower, bearing shell-pink flowers of extraordinary size and substance. Excellent for cutting. Pkt., 5c.

**Mammoth Giant Perfection**—White, pink, red or mixed. Pkt., 5c.

**Early Flowering**—Comparatively dwarf plants producing both white and colored flowers, coming into bloom much earlier than the giant forms and will give a great profusion of bloom until late in the autumn. Mixed. Pkt., 5c.

**DATURA (Sweet Nightingale)**—A large, strong plant, with trumpet-shaped, fragrant, pearl-white flowers; 3 feet. Pkt., 5c.

**DELPHINIUM (Larkspur)**—Giant Hyacinth-Flowered; 3 feet. Derives its name from the striking resemblance of the flowers to a double Hyacinth. The colors are both brilliant and delicate. Mixed and Alba. Pkt., 5c.

**DIANTHUS**—Carnation-like flowers. Of value for bedding. The colors range from pure white to crimson spotted and striped. Perennial, but blooms the first summer, and for years if the flowers are freely picked.

**Chinensis (Double Chinese or Indian Pinks)**—Compact plants with large double flowers. Excellent for bouquets as well as bedding. Pkt., 5c.

**Heddeewigi Snowball**—Pure white. Pkt., 5c.

**Heddeewigi Mixed**—All colors. Pkt., 5c.

**Heddeewigi (Double Japan Pinks)**—Much larger than the Chinese Pinks.



Dianthus, Hardy Pinks.



**DIMORPHOTHECA AURANTIACA** (African Daisy)—An extremely showy annual daisy from South Africa which suits our climate conditions perfectly. The bush plant grows 12 to 15 inches high. The flowers, which are 2½ inches across, are a rich glossy orange yellow with dark disk and halo. These glitter in the sunshine and produce a magnificent sight when in full bloom. Seed may be sown in the same way as Asters or Petunias and should have a dry, sunny position. They bloom the greatest part of the summer and fall. **Pkt., 10c.**

**FOUR O'CLOCKS** (Marvel of Peru)—This is another good old-fashioned flower, bearing hundreds of flowers during the season of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect. **Mixed. Pkt., 5c.**

**GAILLARDIA** (Blanket Flower) *Picta Lorenziana*—The heads of star-shaped tufted flowers are greatly admired for their rich blending of red, yellow and orange. 1½ feet. **Pkt., 5c.**

**GERANIUM**—Favorite house plant. Seed started early will bloom the first year. **Mixed colors. Pkt., 5c.**

**GLOBE AMARANTH** (*Gomphrena*)—Sometimes called Bachelor's Button. A very pretty everlasting flower with blossoms resembling clover. 2 feet. **Red, white or mixed. Pkt., 5c.**

**GOSETIA**—Beautiful garden plants, having delicately shaded, large, satiny texture, trumpet-shaped blossoms. Easily cultivated in any good garden soil. 1½ feet. **Pkt., 5c.**

**GOLDEN FEATHER**—See *Pyrethrum*. Page 45.

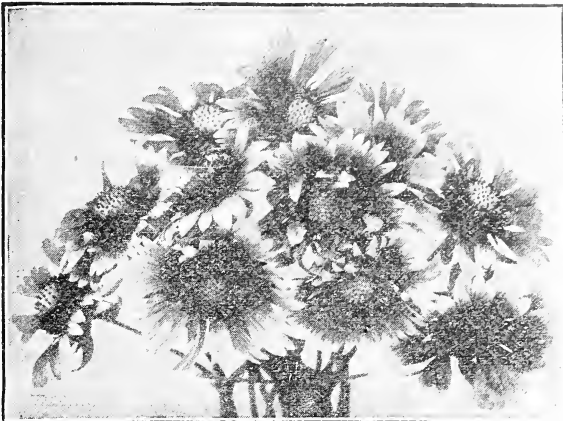
**GYPSOPHILA** (*Paniculata*)—2 feet. White flowers on branching stems, producing a veil-like mist over the plant. **Pkt., 5c.**

**Elegans Rosa**—Soft pink in color. **Pkt., 5c.**

**HELIANTHUS** (Sunflower)—Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens.

**Californicus Fl. Pl.**—5 feet. Double dark yellow. **Pkt., 5c.**

**Russian Mammoth**—Single, or gigantic dimensions. For larger amounts see Bird Seed. **Pkt., 5c.**



Gaillardias

**HELIOTROPE**—In shades of purple, fine for bouquets; the sweet vanilla odor is liked by all. **Pkt., 5c.**

**LANTANA**—Shrubby plants with Verbena-like flowers, in shades of white, red and yellow. **Pkt., 5c.**

**ESCHSCHOLTZIA** (California Poppy)—A hardy, free-flowering annual growing about 15 inches high and producing quantities of single, poppy-shaped blooms in shades of yellow, orange and red. Flowers over a long period. Sow early where it is to remain, as it will not bear transplanting.

**California**—All shades of yellow. **Pkt., 5c.**

**EVERLASTING** (See *Acroclium Celosia*, *Globe Amaranth*, *Gypsophila*)—Pick when flowers open and hang stems up to dry for winter bouquets. **Pkt., 5c.**

**FEVERFEW** (See *Matricaria* on this page).

**HOLLYHOCK**—See page 49.

**Double Mixed** (Charles Superb)—Seed **pkt., 5c.**

**Single Mixed**—Seed **pkt., 5c.**

**Allegheny Mixed**—Seed **pkt., 5c.**

**IMPATIENS SULTANI**—Rosy carmine flowers 1 inch in diameter, produced freely throughout the season. Although a house plant, it does finely out of doors. 1½ feet. **Pkt., 5c.**

**KOCHIA** (Burning Bush or Summer Cypress)—The plants grow with many slender branches resembling a small, closely sheared evergreen with light green leaves until fall, when the whole plant turns crimson. Seed germinates readily. Sow May 1st and thin to 2 feet apart. 2½ feet high. **Pkt., 5c.**

**LARKSPUR** (See *Delphinium*, page 42).

**LINARIA** (Kenilworth Ivy)—Flowers lavender and purple. A charming, small, hardy perennial trailing plant, suitable for baskets, vases, pots and rock work. **Pkt., 5c.**

**LOBELIA**—Annual plants of dwarf, compact growth, 4 to 6 inches in height, covered with numerous small star-like flowers. Very pretty when grown as an edging for flower beds, also for hanging baskets and vases, and as house plants in the winter.

**Crystal Palace** (*Compacta*)—6 inches. Deepest blue, dark foliage. **Pkt., 5c.**

**Trailing Lobelia**—A dwarf plant of trailing habit; splendid for porch boxes, hanging baskets and vases. Deep blue flowers and dark foliage. **Pkt., 5c.**

**MARIGOLD**—The Marigolds are old favorites, free-flowering annuals of easy culture. They light the garden with a glitter of yellow far into the frosts of autumn.

**African**—Immense flowers, double, all shades of yellow. **Pkt., 5c.**

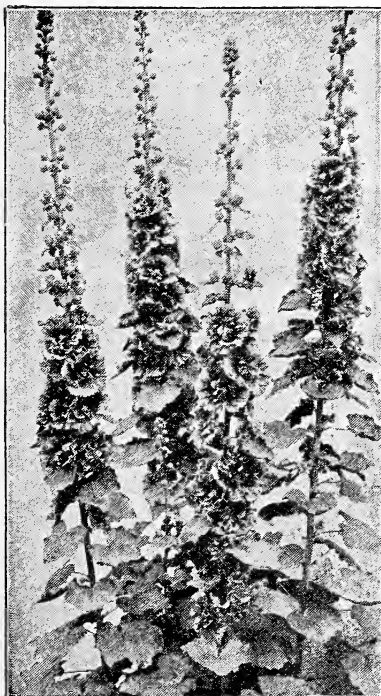
**French**—Dwarf grower; double flowers, rich golden yellow marked with velvety brown. **Pkt., 5c.**

**MATRICARIA** (Feverfew) (*Alba Plennissima*)—3 feet. Neat, small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climates, but in our latitude are treated best as biennials or annuals. **Pkt., 5c.**

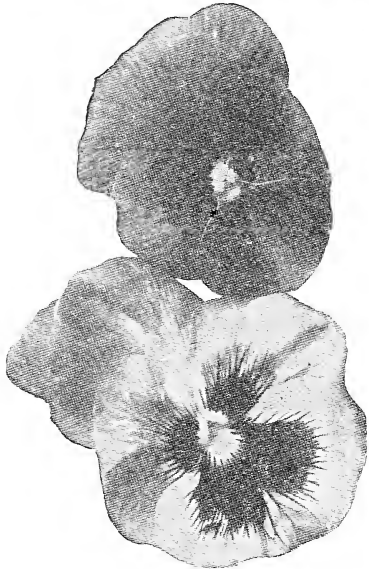
**MESEMBRYANTHEMUM** (Ice Plant)—Suitable for rock work, hanging baskets, etc. Foliage thick, frosted, wax-like white flowers. **Pkt., 5c.**

**MIGNONETTE**—A universal favorite on account of its sweet and delicate fragrance. The massive spikes are closely set with large, highly colored and very fragrant florets. **Pkt., 5c.**

**MIMOSA** (Sensitive Plant)—A curious and pretty plant, with pinkish white flowers; the leaves close and droop at the slightest touch at night. **Pkt., 5c.**



Hollyhocks,



Giant Flowered.

**PETUNIA**

Petunias are very popular for their rich coloring, continuation of bloom, pleasant fragrance, and easy culture. Can be sown in the open border in full sun or partial shade. Transplant easily. 1½ feet high.

**General Dodds**—Beautiful; velvety, dark red. **Pkt., 5c.**

**Howard's Star**—Rich, velvety, maroon with white blotch on each petal. **Pkt., 5c.**

**Snowball**—Pure snowy white. **Pkt., 5c.**

**Giant Ruffled and Fringed Single**—The flowers are exquisitely ruffled or frilled, of immense size, and of great variety of colors. **Pkt., 15c.**

**Double Mixed**—Sure to produce a good percentage of double flowering plants. **Pkt., 20c.**

**Single Mixed**—Extra choice. **Pkt., 5c.**

**POPPIES**

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. Sow the seed where the plants are to grow, as they do not bear transplanting.

**Tulip**—Cup-shaped, brightest scarlet with black spots at base of each petal. **Single. Pkt., 5c.** **Peony-Flowered Mixed**—Splendid, large double flowers of all colors. **Pkt., 5c.** **Shirley**—Pink, carmine and brilliant crimson; many edged with white single and half double, splendid. **Pkt., 5c.** **White Swan**—Immense double fringed flowers of purest white. **Pkt., 5c.** **Carnation Flowered**—Brilliant, finely fringed double flowers of various colors. **Pkt., 5c.**

**NASTURTIUM**

**Dwarf or Tom Thumb**—A bed of Dwarf Nasturtiums in the yard is very brilliant and attractive, blooming all the season. 1 foot high. **Beauty**—Scarlet splashed canary. **Pkt., 5c.** **Chameleon**—Mottled crimson, bronze and yellow. **Pkt., 5c.** **Crystal Palace Gem**—Sulphur with maroon spots. **Pkt., 5c.** **Golden King**—Deep yellow flowers. **Pkt., 5c.** **Golden Queen**—Leaves golden-green, flowers orange yellow. **Pkt., 5c.** **King of Tom Thumbs**—Deep Scarlet. **Pkt., 5c.** **Scarlet**—**Pkt., 5c.**

**GRISWOLD'S SPECIAL DWARF NASTURTIUM MIXTURE**

Will give a large variety of colors in even proportion. It is put up by ourselves from named sorts, and also contains a large share of the Lilliput Nasturtium and of the Dwarf Chameleon, which have the richest and most varied combination of colors ever produced. **Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75; postpaid.**

**TALL NASTURTIUMS** (See page 46.)

**PANSIES**

**PANSIES**—One of the most interesting classes of flowers grown. A bed of pansies in bloom always has something new for you in variety of color and marking, every time you visit it, although they are in bloom continuously from early spring until late in the fall.

The seed may be sown in the hot bed or open ground. Keep the soil moist. They prefer a shady place. Do not let the plants seed if you wish to keep them in bloom. If sown in the fall, pansies will bloom very early in the spring.

**Started Plants**—Mixed colors in bud and bloom. **Per doz., 75c; postpaid.** **Masterpiece. (Giant Curled)**—The fluted petals make the enormous flowers appear double. The colors and combinations are odd and striking. **Pkt., 20c.**

**Mammoth Butterfly**—The flowers are very large, of good form and substance and produces freely. In colorings they are varied, seldom two alike in a hundred plants. They are mottled and spotted. **Pkt., 15c.**

**Giant Adonis**—Light blue. **Pkt., 10c.** **Giant Atropurpurea**—Dark purple. **Pkt., 10c.** **Giant Bronze**—Shade of bronze. **Pkt., 10c.** **Giant Cardinal**—Brilliant red. **Pkt., 10c.** **Giant Goldense**—Yellow. **Pkt., 10c.** **Giant King of Blacks**—Beautiful black. **Pkt., 10c.**

**Giant Emperor William**—Brilliant ultramarine blue with a purple violet eye. **Pkt., 10c.**

**Giant Snow Queen**—Flowers of a delicate, pure satiny white, handsome and attractive. It shows finely in beds or for cut flower work, and beautifully for cemetery use. **Pkt., 10c.**

**Bugnot**—Shades of red and bronze. Brightest cardinal and reddish brown. **Pkt., 10c.**

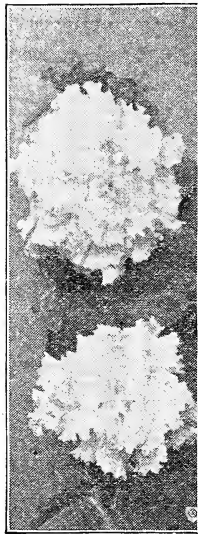
**Odier**—Flowers of immense size, and are of the popular Odier type, being all three or five spotted on background of very rich colors. The flowers are of good substance and fine form, of most compact growth. **Pkt., 10c.**

**Fancy Striped**—A beautiful variety from Belgium, with good sized flowers striped and mottled in various tints on contrasting ground colors. **Pkt., 10c.**

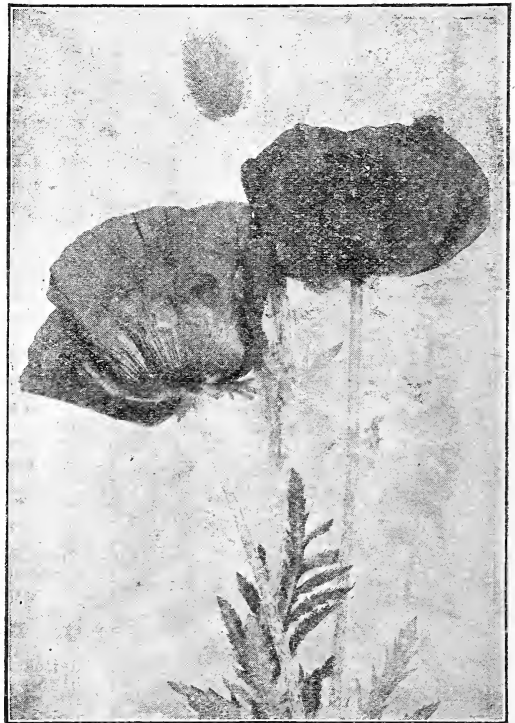
**Finest Mixed**—A mixture of the best sorts and colors. **Pkt., 5c.**

**Superb Mixture**—An extra good quality. **Pkt., 10c.**

**Special Giant Mixture**—An excellent combination of fancy strains, selected, with a view to being as near perfection as possible. **Pkt., 10c.**



Petunias, Fringed Double White



Poppies.





**NICOTIANA Affinis** (Tuberosc-flowered Tobacco). Deliciously fragrant, large white starshaped flowers; open at evenings and early morning; easily grown, blooms freely in the house. 2 to 3 feet. **Pkt., 5c.**

**Sanderae.** Sweet scented, brilliant red flowers on sturdy, bushy plants 2 feet high; grows readily from seed. **Pkt., 5c.**

**NIGELLA.** (Love in a Mist or Devil in a Bush.) Miss Jekyll. The plants are vigorous and give an abundance of double oddly shaped, fluffy flowers of the clearest blue, contrasting most charmingly with the fine fern-like foliage. **Pkt., 5c.**

**PHLOX (Drummond).** Sown in the open ground during April and May, they produce a perfect blaze of brilliant colored flowers until cut down by frost. The richness of color and the profusion with which the flowers are produced make them indispensable for massing in beds and borders. Thrives in almost any situation. For masses of separate colors or for bouquets they are unsurpassed. One foot high.

**Scarlet.** Very showy. **Pkt., 5c.**

**Alba.** Pure white. **Pkt., 5c.**

**Rosy Chamois.** Beautiful shade of rose. **Pkt., 5c.**

**Extra Choice Mixed.** Best large flowered. **Pkt., 5c.**

**Starred and Fringed.** Very dwarf flowers fringed, and distinctly edged with white. Mixed. **Pkt., 5c.**

**PORTULACA (Rose Moss).** Forms masses of delicate green foliage covered with bright colored flowers somewhat resembling small roses. They thrive best in a rather rich, sandy soil and a sunny situation. Will stand any amount of dry weather.

**Single Mixed.** All colors. **Pkt., 5c.**

**Double Mixed.** Not all the plants will come double, but the single ones can be pulled out. **Pkt., 10c.**

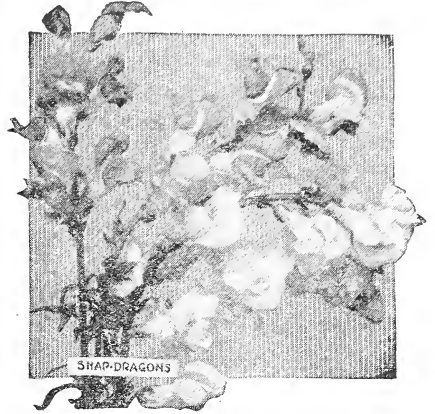
**PRIMULA (Chinese Primrose).** This is one of the most charming winter flowering house plants. Leaves are rich green and prettily cut, the star-shaped flowers stand well above the foliage in umbels and have a delicate odor peculiarly their own. **Pkt., 15c.**

**PYRETHRUM (Golden Feather). Parthenifolium Aureum.** 6 inches. One of the best plants for edging, grown for its beautiful yellow foliage. More successfully treated as an annual. **Pkt., 5c.**

**RICINUS (Castor Bean). Zanzibariensis Mixed.** 10 to 12 feet. The ornamental leaves, beautifully lobed, are 2½ to 4 feet across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom. The difference between the varieties is in the coloring of the grand bamboo-like stems and the long slender leaf stalks. **Pkt., 5c.**

**SALPIGLOSSIS (Velvet Flower).** Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube shaped like a Petunia but rivaling the latter in the beautiful colors displayed. Each flower is veined, with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. Grows easily from seed. Plant in warm, rich soil, 1½ feet tall. **Mixed Pkt., 5c.**

**SALVIA (Flowering Sage).** Among the most brilliantly colored of garden flowers and extremely useful for bedding; also valuable for pot culture. Blooms are borne in long spikes of fiery red and continue to



bloom until severe frosts. Start in house and transplant into light soil. Tender perennials 2 to 3 feet tall. **Pkt., 5c.**

**Started Plants, 50c dozen postpaid.**

**SCABIOSA (Mourning Bride).** Commonly known as the Pincushion Plant owing to the queer effect of the center of the flower. The outer petals making a ruffle around the cushion filled with pins, carry out the idea. The flower stems are long and the blossoms keep well in water. The soft shades predominate. 2½ feet.

**Tall German Double.** Mixed, all colors. **Pkt., 5c.**

**Black Prince.** Very double, rich dark maroon. **Pkt., 5c.**

**Snowball.** Elegant, white flowers, sure to be liked for vases and bouquets. **Pkt., 5c.**

**SCHIZANTHUS (Butterfly Flower).** "The Poor Man's Orchid," pyramidal bushes covered with a multitude of small butterfly-like flowers of the most brilliant and striking color designs. 1 foot. **Pkt., 5c.**

**SENSITIVE PLANT.** (See Mimosa, page 43.)

**SMILAX.** One of the most desirable window vines, on account of its charming, glossy green, elegant and graceful foliage. Sow seed in February and keep in moist place. **Pkt., 5c.**

**SNAPDRAGON.** (See Antirrhinum, page 41.)

#### FLOWER SEED COLLECTION

See Page 25



**STOCK Giant Perfection.** Very desirable because of its brilliancy of color, profusion and duration of bloom. Fragrant with large double rosette-like flowers. Mixed. **Pkt., 5c.**

**Princess Alice.** Snow white. Of branching habit. Very profuse bloomer especially if kept cut. **Pkt., 5c.**

**SUNFLOWER.** (See Helianthus, page 43.)

**VERBENA.** Free-flowering hardy annuals of low-spreading growth; flowers of the most brilliant colors. Sow them early and they will bloom profusely from June until winter.

**Defiance.** Best scarlet. **Pkt., 5c.**

**Alba.** Delicate white. **Pkt., 5c.**

**Mayflower.** Delicate pink, very fragrant. **Pkt., 5c.**

**Hybrida Blue.** Blue shades. **Pkt., 5c.**

**Purple.** Purple shades. **Pkt., 5c.**

**Choice Mixed.** All colors. **Pkt., 5c.**

**Started Plants.** Mixed colors. Per dozen, 50c; postpaid.

**VINCA (Periwinkle).** Splendid house and bedding plant, with glossy leaves and circular flower; mixed. **Pkt., 5c.**

**WALLFLOWER.** Single annual. Very fragrant; purple, orange and bronze. A favorite English flower. Seed sown the first of May will bloom from July until severe frosts. It is very satisfactory as a pot plant for winter, if kept in a cool room. **Pkt., 5c.**

**ZINNIA.** Flowers all summer, making the most brilliant display possible. Plants are of strong branching growth with abundant dark-green foliage, each branch terminating in a bold showy flower. Excellent for border or summer hedge. Seeds grow easily and young plants transplant safely.

**Giant Flowering.** Plants of vigorous growth, about 3 feet high, bearing profusely their perfectly formed double flowers. Mixed. **Pkt., 5c.**

**Dwarf Fireball.** Glowing, brilliant scarlet. **Pkt., 5c.**

**Zebra.** Flowers striped with red and yellow. **Pkt., 5c.**

**White Gem.** Small, double white flowers. **Pkt., 5c.**

HOW TO GET 25c WORTH OF SEED FOR NOTHING—SEE PAGE 25.



## ANNUAL CLIMBERS



Cobaea

**ARSTOLOCHIA (Dutchman's Pipe)**—An ornamental climber with brownish flowers resembling a miniature pipe. A perfectly hardy perennial standing any climate where the oak lives. **Pkt., 5c.**

**BALLOON VINE (Love in a Puff)**—A rapid grower with fine white flowers followed by inflated seed pods resembling small balloons. Height 10 feet. **Pkt., 5c.**

**BALSAM APPLE AND PEAR**—Very rapid, and dense climbers, with golden-yellow fruit which opens when ripe, showing the seed and blood-red inside. **Mixed. Pkt., 5c.**

**CANARY BIRD FLOWER**—A rapid growing, delicate vine with clean, handsome foliage and an abundance of canary-yellow blossoms, somewhat resembling a bird with half-extended wings. An excellent climber for shady places. **Pkt., 5c.**

**CARDINAL CLIMBER**—We consider this a most beautiful brilliant and distinct annual climber and rapid grower, attaining a height of 20 feet or more with beautiful deeply cut leaves not unlike some of the Japanese Maples and is literally covered with a haze of circular, fiery, cardinal red flowers from mid July to frost. The flowers are about half an inch in diameter and are borne in clusters of from 5 to 7 blooms each; should be planted in warm, sunny situation on good soil. **Pkt., 10c.**

**CYPRESS VINE**—A beautiful climber with a profusion of scarlet or white star-shaped blossoms and fern-like foliage adapted to ornamental work. **Pkt., 5c.**

**DOLICHOS (Hyacinth Bean)**—Splendid climber, producing abundant clusters of pea-like purple and white flowers, followed by ornamental seed pods. 10 to 20 ft. **Pkt., 5c.**

**MOON FLOWER (Ipomea Notiflora)**—One of the most vigorous climbers. Will grow 30 feet; its large waxy white flowers open evenings and cloudy days. The hard outer coat of the seed should be cut through with a knife and planted in warm, rich ground. Keep the soil moist. **Pkt., 5c.**

**CLIMBING NASTURTIUM**—Ideal ramblers that readily climb fences or wire netting. These blossoms are larger and the stems longer than the Dwarf Nasturtiums. **Mixed. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75; postpaid.**

**King Theodore**—Rich, deep crimson; dark leaves. **Pkt., 5c.**

**Edward Otto**—Brownish lilac. **Pkt., 5c.**

**Jupiter**—Rich golden yellow. **Pkt., 5c.**

**Mme. Gunther's Hybrids**—Striped or blotched with shades of red, yellow and orange. **Pkt., 5c.**

**Pearl (Moonlight)**—Whitish. **Pkt., 5c.**

**Scarlet**—Bright glowing red. **Pkt., 5c.**

**Vesuvius**—Bright salmon red. **Pkt., 5c.**

**DWARF NASTURTIUM**—See page 44.

**COBAEA**—A beautiful rapid-growing climber with large, purplish, bell-shaped flowers; plant the seed edgewise, and cover lightly. **Pkt., 5c.**

**CONVOVULUS or MORNING GLORY**—The well-known kind. **Mixed colors. Pkt., 5c.**

**Japanese Giant**—The mammoth flowers of this vine run from 4 to 6 inches across and are marked with most beautiful colors and shadings. The vines are strong and robust, growing from 30 to 50 feet high during the season. **Pkt., 5c.**

**PASSION FLOWER**—One of the best summer vines for general growing. The beautiful blue flowers somewhat resemble a water lily in shape. **Pkt., 10c.**

**WILD CUCUMBER**—A very rapid climber, often growing 30 feet in one season. It is covered with clusters of white, sweet-scented flowers, followed by ornamental prickly seed pods. **Oz., 15c; pkt., 5c.**

**SPECIAL NO. 16**

For those who desire vines to cover long stretches of fence, etc., we have a mixture of 12 or more varieties of annual climbers. **Pkt., 5c; 20c per half oz.; 35c per oz.**

SEE OUR MONEY-  
SAVING COLLEC-  
TIONS, PAGE 25

**GOURDS**—Desirable for many places where an immense amount of vine is wanted quickly, producing odd and interesting fruit. Most sorts grow 20 to 30 feet in a season.

**Dish Rag**—Many ladies prefer a dish cloth made of sponge-like lining of this gourd to anything else, as it is always sweet and clean as long as any part of it is left. **Pkt., 5c.**

**Sugar Trough**—This gourd grows large, holding from 3 to 5 gallons. Very hard shell. **Pkt., 5c.**

**Nest Egg**—Resembling the eggs of hens; are uninjured by the cold or wet, therefore make the best nest eggs. **Pkt., 5c.**

**Pear Shaped**—Striped yellow and green. **Pkt., 5c.**

**Mixed Gourds**—All of the above. **Pkt., 5c.**

**HUMULUS (Japanese Hop)**—A rapid growing climber of easy culture, leaves variegated. Sows itself after first year. **Pkt., 5c.**



Nasturtiums



## SWEET PEAS

Sweet Peas are among the most beautiful of all our hardy annuals. Select a sunny, open place, several feet from any building or close fence, and as far as possible from large trees. Sow as early in the spring as the ground can be worked. Make a trench 6 or 8 inches deep, but cover the seed only about an inch at first. As they come up, rake the dirt around the little plants, so that by the time they have reached the top of the ground, the trench will be almost full. Furnish support early. Give them plenty of water, and keep the blossoms picked closely. If they produce seed pods, they will stop blooming.

### LARGE FLOWERING AND UNWIN TYPES

**AURORA**—A beautiful orange rose. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**BLACK KNIGHT**—Deep maroon, veined black; large and open. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**BLANCHE BURPEE**—Large, pure white. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**BOLTON'S PINK**—The extra large expanded flowers are of a soft salmon-orange pink, very showy. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**COUNTESS RADNOR**—A new lavender, very fine. Pkt., 5c; oz., 15c; ¼ lb., 45c.

**DOROTHY ECKFORD**—Pure white flower, beautifully shell-shaped; extra large, 3 on a stem. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**DUKE OF WESTMINSTER**—Very rich purple tinted with violet. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**EMILY HENDERSON**—Very large, beautiful white. Blooms early. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**EVELYN BYATT**—Standard rich orange salmon, wings a somewhat deeper shade. Very striking. Pkt., 5c; oz., 15c; ¼ lb., 45c.

**EXTRA EARLY BLANCHE FERRY**—Standard rose-pink wings, creamy white. Very early. Pkt., 5c; oz., 15c; ¼ lb., 40c.

**FLORA NORTON**—A rich lavender, entirely free from any pinkish tinge—almost a bright blue. Pkt., 5c; oz., 15c; ¼ lb., 45c.

**FRANK DOLBY**—Pale blue, very large and fine. Pkt., 5c; oz., 15c; ¼ lb., 45c.

**GLADYS UNWIN**—A pale rose pink, with large bold flowers on long stems. Very early. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**JANET SCOTT**—A grand, deep, rich pink. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**LADY GRISEL HAMILTON**—A very light, dainty lavender. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**LOVELY**—A soft shell pink. Very good. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**NORA UNWIN**—Nicely waved or fluted; usually has 3 flowers on a stem. One of the best white sweet peas yet introduced. Pkt., 5c; oz., 15c; ¼ lb., 50c.

**PRIMA DONNA**—Exquisite rose pink; large and profuse. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**MISS WILMOTT**—One of the richest orange-pink sweet peas. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**MRS. GEO. HIGGINSON, JR.**—Azure blue. Pkt., 5c; oz., 15c; ¼ lb., 40c.

**NAVY BLUE**—Dark indigo blue. Large and well formed. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**PRINCE OF WALES**—Rosy crimson. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**PHYLLIS UNWIN**—Very large size. Rosy carmine. Pkt., 5c; oz., 15c; ¼ lb., 35c.

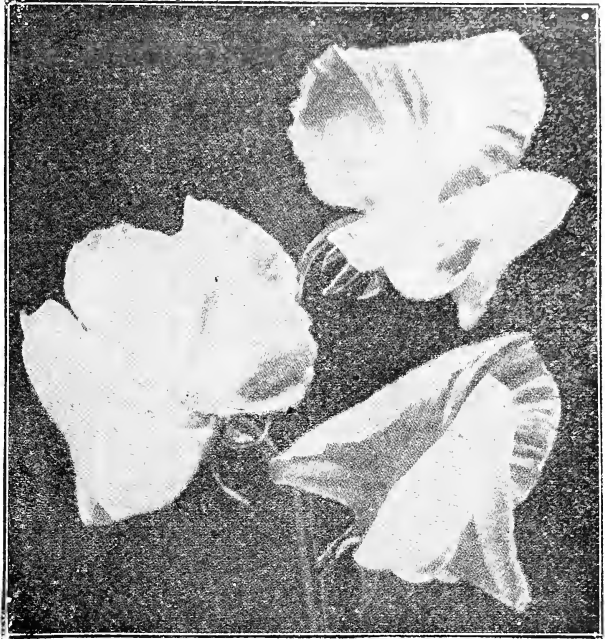
**QUEEN ALEXANDER**—Scarlet. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**SALOPIAN**—Rich red scarlet; large and fine. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**SUNBEAM**—Delicate cream. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**USE INOCULATING BACTERIA ON SWEET PEAS,**

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### SPENCER OR BUTTERFLY VARIETIES

**APPLE BLOSSOM**—Heavily shaded and edged with deep pink, rose and white. Pkt., 10c; oz., 25c; ¼ lb., 75c.

**BLANCHE FERRY**—Carmine rose, pinkish white wings. Pkt., 10c; oz., 25c; ¼ lb., 75c.

**BURPEE'S WHITE SPENCER**—Extra long stems bearing 3 or 4 pure white blossoms. Standard fluted. Pkt., 10c; oz., 25c; ¼ lb., 75c.

**COUNTESS SPENCER**—Enormous flowers delicate pink shading deeper at the edges. Pkt., 10c; oz., 20c; ¼ lb., 75c.

**HELEN LEWIS SPENCER**—Orange-rose wings with crimson-orange standard. Pkt., 10c; oz., 25c; ¼ lb., 75c.

**JESSIE CULBERTSON SPENCER**—Dark rose striped on white. Pkt., 10c; oz., 20c; ¼ lb., 75c.

**KING EDWARD VII.**—Grand large flowers of a rich crimson scarlet. Pkt., 10c; oz., 25c; ¼ lb., 75c.

**MARGARET ATLEE**—Rich glowing pink or cream ground, suffused with salmon. Wings are of pleasing shade of rose and salmon. Pkt., 10c; oz., 20c; ¼ lb., 75c.

**MRS. ROUTZAHN**—Apricot pink and straw color. Pkt., 10c; oz., 25c; ¼ lb., 75c.

**OTHELLO**—Chocolate-red, self-colored. Pkt., 10c; oz., 25c; ¼ lb., 75c.

**PRIMROSE SPENCER**—Pure primrose. Pkt., 10c; oz., 25c; ¼ lb., 75c.

**WEDGEWOOD**—Large silvery blue. Pkt., 10c; oz., 25c; ¼ lb., 75c.

### SWEET PEAS IN MIXTURES

**SPENCER VARIETIES, CHOICE**—Pkt., 5c; oz., 20c; ¼ lb., 50c.

**LIGHT SHADES**—Mixed, white to deep pink. Pkt., 5c; oz., 15c; ¼ lb., 45c.

**DARK SHADES**—Mixed, brightest rose to dark scarlet. Pkt., 5c; oz., 15c; ¼ lb., 45c.

**SPECIAL MIXED**—A well-proportioned mixture of the above named varieties. Pkt., 5c; oz., 15c; ¼ lb., 45c.

**CHOICE MIXED**—A good mixture of many old and new varieties. Pkt., 5c; oz., 10c; ¼ lb., 35c.

### GOOD BOOKS.

On page 23 you will find a list of Books on Rural Topics. These are written by experts in this line. Look them over and order the ones that most interest you. They are only 50 cents each.

## Hardy Perennial Plants

Plants of this class are perfectly hardy in the open ground; they die down to the ground but only to the ground in the winter; once planted they are a lasting pleasure. Failure with them is practically impossible. Orders should reach us by April 15th though in some seasons we can continue to supply this stock up to May 1st. **NOTE—We can only supply perennial seed of varieties where it is listed.**

**ACHILLEA (Ball of Snow)**—A favorite hardy perennial well worth growing, giving throughout the summer an abundance of small double pure white flowers in loose bunches; much prized for cutting. **Seed Pkt., 5c; Plants, 15c each.**

**AGROSTEMMA CORONARIA (Rose of Heaven)**—The flowers of the Agrostemma, known as "Rose of Heaven," were formerly woven into garlands or crowns, hence the name Coronaria. Easily grown. **Seed Pkt., 5c; Plants, 30c each.**

**BLEEDING HEART**—An old-fashioned favorite; its heart-shaped flowers are always attractive and is especially valuable for planting in the shade. Our stock of this perennial is the finest we have seen. **Plants, 25 cents each.**



Canterbury Bell.

**ALYSSUM SAXTILE COMPACTUM (Basket of Gold)**—Valuable for early spring bedding, producing a profusion of bright yellow flowers. Good rock plant. Height one foot. **Seed Pkt., 5c; Plants, 15c each.**

**AQUILEGIA (Columbine)**—These are among the most beautiful of spring and early summer flowers. They are very effective in the border and are much appreciated. Height two to three feet.

**Canadensis**—This is the scarlet and yellow native variety and one of the brightest. **Plants, 20c each.**

**Long Spurred Hybrids**—A beautiful strain comprising shades and combinations of blue, white, yellow, orange, scarlet and bright rose-pink in large flowers with long spurs. **Plants, 20c each.**

**CAMPANULAS OR BELL FLOWERS**—Well known beautiful hardy herbaceous perennials bearing a great profusion of attractive bell-shaped flowers, thriving best in light, rich soil.

**CAMPANULA CARPATIA (Hare Bell)**—Free flowering, continuing in bloom the whole season. Color clear blue. Height one foot. **Plants, 20c each.**

**CAMPANULA PYRAMIDALIS (Chimney Bell Flowers)**—A beautiful stately hardy plant; blue salver-shaped flowers. Height, 4 feet. **Plants, 20c each.**

**CAMPANULA MEDIA (Canterbury Bells)**—The old-fashioned sort with beautiful large bell-shaped flowers; mixed colors in light and dark blue, rose and white. Height 2 to 3 feet. **Seed Pkt., 5c; Plants, 25c each.**

**CARNATION GRENADIN SCARLET**—A delightful early flowering variety that is entirely hardy, yielding an exceptionally large percentage of sweet-scented double scarlet flowers of a most telling color. Height 15 inches. **Seed Pkt., 5c; Plants, 25c each.**

**COREOPSIS LANCEOLATA GRANDIFLORA**—This is one of the finest of hardy plants, with large showy bright yellow flowers, produced in the greatest abundance from June until frost. As a cut flower they stand very near the head. Have long stems and last a long time. Height 3 feet. **Seed Pkt., 5c; Plants, 20c each.**



Columbine.

**DELPHINIUM OR LARKSPUR**—Indispensable to the herbaceous garden, their long, showy spikes of flowers persist from June till frost and furnish the most satisfactory blues to any color scheme. All Delphiniums are pot grown.

**Bella Donna**—Pure sky-blue; white bee; fine for cutting. **Plants, 25c each.**

**Formosum**—A lovely celestial blue. **Mixed Seed Pkt., 5c; Plants, 25c each.**

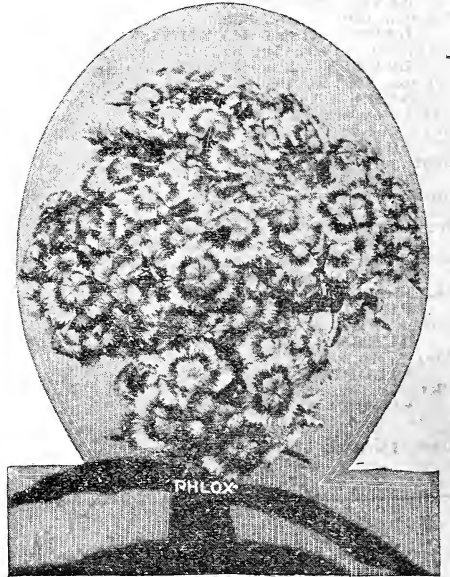
**DIANTHUS, MIXED**—Those who have not hitherto grown Dianthus will be charmed with the brilliant effect obtained from a border of these fine hardy plants. Height one foot. **Seed Pkt., 5c; Plants, 20c each.**

**DIGITALIS (Foxglove)**—Handsome and highly ornamental hardy plants of stately growth and gives a wealth of bloom. Height three to four feet. **Seed Pkt., 5c; Plants, 20c each.**

**FORGET-ME-NOT (Myosotis Palustris)**—None of the spring flowers are more appreciated than the Forget-Me-Nots. Blooming all summer, they run in color from light azure-blue to deep royal blue, clear pink and pure white. They afford a surprising pleasure to those who have not previously grown them. **Seed Pkt., 5c; Plants, 25c each.**

**FUNKIA SUBCORDATA GRANDIFLORA (The White Plantain or Day Lily)**—Very large and showy. Pure white lily-shaped fragrant flowers in August and September. **Plants, 35c each.**

**GAILLARDIA GRANDIFLORA (Blanket Flower)**—One of the showiest hardy plants, growing about two feet high and succeeding in any soil in a sunny position; beginning to flower in June, they continue the entire season. The large flowers are of gorgeous coloring. The center is dark-red brown, while the petals are marked with rings of brilliant crimson, orange and vermilion, and often a combination of all in one flower; excellent for cutting. **Seed Pkt., 5c; Plants, 20c each.**



Phlox.



## PERENNIAL PLANTS—CONTINUED

**GYPSOPHILA PANICULATA** (Baby's Breath or Love-in-a-Mist)—When in bloom during July and August it forms a symmetrical mass two to three feet in height and width of minute pure white flowers forming a beautiful gauze-like appearance. Seed, Pkt., 5c; plants, 25c each.

**HARDY SCOTCH, OR SWEET MAY PINKS**—These are the pinks of our mothers' gardens. Four varieties: Abbottsford, Essex Witch, Laura Wilmer and the famous pure white flowering variety, Her Majesty. Plants, 20c each.

**HEMEROCALLIS FLAVA** (Yellow Day Lily)—Deep lemon-yellow flowers in June and July; fragrant. Height 2½ to 3 feet. Plants, 20c each.

**HIBISCUS CRIMSON EYE**—Flowers of the largest size, often five to six inches across; pure white, with a large spot of velvety crimson in the center. Seed pkt., 5c; plants, 20c each.

**HOLLYHOCK** (Mammoth Double Flowering)—One of the most majestic of hardy plants, and a clump or line in any garden gives an effect not attainable with any other plant. Height four to six feet. Double varieties—Pink, White, Dark Red, Yellow. Seed pkt., 5c; plants, 25c each.

**DAISY** (Giant Shasta)—This is the largest of the Moon Penny Family and was originated by Burbank, who experimented extensively with this flower. Seed pkt., 5c; plants, 20c each.

**LUPINUS POLYPHYLLUS**—A valuable race of perennial Lupines, giving an abundance of long spikes of delicately scented flowers in June and July. Clear blue. Height 3 feet. Mixed seed pkt., 5c; plants, 25c each.

**LYCHNIS CHALCEDONICA**—A most desirable plant, bearing heads of brilliant orange-scarlet flowers in June and July. Perhaps no class of plant has more popular names of which the following is but a partial list: Jerusalem Cross, Lamp Flower, Maltese Cross, Ragged Robin, etc. Height 2½ feet. Seed pkt., 5c; plants, 25c each.

**PLATYCODON GRANDIFLORUM** (Balloon Flower or Japanese Bellflower)—These are the most satisfactory of any plant we offer for the hardy border. They bloom for a month, commencing about July 10th; have large bell-shaped blooms in the greatest profusion. We offer two colors, blue and white. Height, 2 feet. Seed pkt., 5c; plants, 20c each.

**PYRETHRUM ROSEUM** (Persian Daisy)—Easy to grow and always in bloom. Their main season of blooming is in June. Cut off the flower stems after blooming, they will then bloom again. These are extremely showy. Height 2 feet. Seed pkt., 5c; plants, 20c each.

**RUBBECKIA LACINIATA** (Golden Glow)—A well-known popular plant, a strong robust grower, attaining a height of five to six feet and produces masses of double golden-yellow Cactus Dahlia-like flowers from July to September. Plants, 20c each.

**STOKESIA CYANEA** (Cornflower Aster)—Grows eighteen inches high, bearing freely from early June until September its handsome lavender-blue Cornflower-like blossoms which measure from four to five inches across. Very showy. Seed pkt., 5c; plants, 20c each.

**YUCCA FILAMENTOSA** (Adam's Needle or Spanish Dagger)—Among hardy ornamental foliage and flowering plants this can be classed at the head of the list. Its broad sword-like foliage and five to six feet tall branched spikes of large, fragrant, drooping, creamy-white flowers during June and July make it an effective plant for all positions. Plants, 25c each.



Feverfew (below); Delphinium (above).

**LATHYRUS LATIFOLIUS** (Hardy Everlasting Pea)—One of the best and most desirable flowering hardy climbers, attractive both in flower and foliage growing to a height of eight to ten feet and producing clusters of large showy flowers the entire summer. Fine for cutting, lasting well. Seed pkt., 5c; plants, 30c each.

## LIBERTY IRIS

**LIBERTY IRIS**—No other flower has so many combinations of color, especially of the delicate and unusual shades. They are absolutely hardy, as beautiful in form, texture and coloring as any Orchid, and many are delightfully fragrant. They are not particular as to the soil; will grow where anything will, but do better in well-drained locations. There is nothing prettier than this Liberty Iris, blooming from May 10th to June 10th.

**FLORENTINA ALBA**—Creamy-white, faintly flushed lavender; fragrant and early. This is the Orris root of commerce, being used for the manufacture of toilet powder. The roots are delicately perfumed. Plants, 20c each.

**HONORABLE** (Sans Souci)—Standards golden-yellow, falls rich mahogany-brown; very effective. Plants, 20c each.

**INNOCENZA**—Standard and falls white; crest rich golden-yellow; a very delicate and showy flower. Plants, 20c each.

**MADAME CHEREAU**—Standard and falls white, elegantly frilled with a wide border of clear blue; very beautiful. Plants, 20c each.

**MRS. NEUBRONNER**—Very deep golden-yellow. Extra. Plants, 35c each.

**PALLIDA DALMATICA** (Heavenly Blue)—Standard delicate lavender, falls clear deep lavender; flowers very large and extra fine. Plants, 35c each.

**PURPLE PRINCE**—Standard intense deep violet-blue; falls velvety dark purple; exceedingly rich and striking. Plants, 20c each.

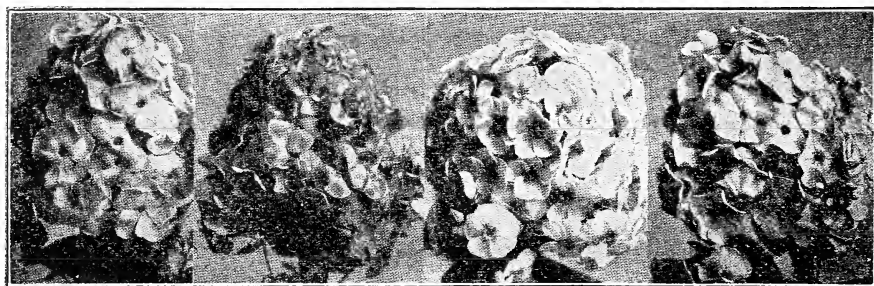
**QUEEN OF MAY**—A lovely shade of rosy-pink, tinted with lilac; beautiful. Plants, 30c each.



Honorable, Purple Prince, Florentina Alba.



**PERENNIAL PLANTS—CONTINUED**



**PEONIES**

**"ARISTOCRAT OF FLOWERS"**

The wonderful improvement made during recent years in these old-fashioned hardy plants has brought them into renewed popularity. The gorgeous flowers, which rival the finest roses in size, form and color, are produced in great abundance.

**ANDRE LAURIES**—Light red, prolific and beautiful. **75c each, postpaid.**

**COURONNE D'OR or Crown of Gold**—Very full, imbricated, ball-shaped bloom; color snow white, with golden-yellow stamens showing through the sides of the petals. A wonderful Peony. **60c each, postpaid.**

**DUCHESS DE NEMOURS**—Superb cup-shaped, sulphur-white flowers, fading to pure white. In all Peonies there is nothing so exquisitely chaste and beautiful as this variety in the half-open bud state; excels as a cut flower. Don't omit it. **40c each, postpaid.**

**FESTIVA MAXIMA**—This is not only the finest white in existence, but many regard it as the queen of all the peonies. A grand cut flower variety, coming into bloom usually for Decoration Day. **60c each, postpaid.**

**FELIX CROUSE**—Large globular brilliant red flowers. A strong, vigorous grower of medium height. One of the best. **75c each, postpaid.**

**GLOIRE DE CHARLES GAMBAULT**—We have no hesitancy in saying that this is the best of all the tricolor varieties. The colors are well defined and clear cut as a cameo; beautiful. Rose and creamy white with shades of salmon-yellow. **\$1.00 each, postpaid.**

**GOLDEN HARVEST**—A most striking variety, producing large, tri-colored blooms. The guard petals are bluish pink with creamy white center. It combines cream, gold, white, pink, salmon, peach and apricot. The total color effect of the flower being creamy pink; strong, delicate fragrance. **60c each, postpaid.**

**HUMEL**—Immense late cinnamon scented flower of varnished pink. **35c each, postpaid.**

**LOUIS VAN HOUTTE**—Fine shapely bloom of dazzling red; an old favorite. **35c each, postpaid.**

**MARECHAL VALLIANT**—Immense globes of light red with shades of mauve. At Chicago show in 1905 it won the first prize for best red. **50c each, postpaid.**

**MONSIEUR DUPONT**—Very large blooms of ivory-white with large, irregular blotches of carmine on the petals. A truly royal flower. **\$1.00 each.**

**MONSIEUR KRELAGE**—Large, compact, semi-rose type; dark solferino red with silvery tips. Free bloomer. Late. **75c each, postpaid.**

**PRESIDENT ROOSEVELT**—Very large, robust flowering. Dark red; one of the finest of its color. **\$1.00 each, postpaid.**

**PRESIDENT TAFT**—This variety combines so many of the good qualities that a Peony should have that it is considered the best of all Peonies. The color is a delicate pink, this in turn being completely enveloped in a halo of angelic white. There may be Peonies as large as President Taft, but surely none are larger. **\$1.00 each, postpaid.**

**PRINCE IMPERIAL**—Semi-rose type. Late mid-season. Amaranthine-red. Extra fine. **50c each, postpaid.**

**RUBRA SUPERBA**—Magnificent rich brilliant deep crimson without stamens. Very large, full and double, and very late; always come perfect blooms. Very free bloomer. The past year it bore more bloom than any other variety we had. **75c each, postpaid.**

**PHLOX**

This is one of the most easily grown hardy perennials, and the large number of beautiful varieties now offered make it especially desirable. These noble flowers are not only beautiful as individuals, but the cheerful appearance of our gardens during the summer and autumn months is much indebted to them. **Price: 20c each; any 6 for \$1.00; 12 for \$1.75.**

**ALCESTE**—Deep violet, shading almost to blue.  
**ATHIS**—Deep, clear salmon. Some claim this to be the showiest variety in cultivation.

**B. COMTE**—Brilliant French purple, with crimson-carmine shadings.

**BERANGER**—Ground color white, delicately suffused with rosy-pink, and distinct eye of same color; exquisite.

**BRIDESMAID**—Pure white, clear carmine eye; blooms in large, round heads; attractive.

**CONSUL H. FROST**—Deep rose color; large white eye.

**DUGUESCLIN**—Rosy-lilac, distinctly rayed with lighter halo.

**ESCLARDMONDE**—Clear rosy lilac, deeper eye, exquisitely rayed and shaded.

**GENERAL VON HEUTZE**—Immense trusses of very large flowers; color of the most brilliant salmon-red, with white center; simply grand.

**HENRY MARCEL**—Dark violet-rose, white eye; distinct.

**HENRY MURGER**—Enormous pure white flowers, with very large showy, deep carmine center; fine florets and trusses; extra.

**INDEPENDENCE**—An excellent large-flowering early pure white; none better.

**KOSSUTH**—Rich deep purple. Extra fine.

**LE MAHDI**—Dark violet-purple.

**L'ESPERANCE**—Clear rosy-lilac; large white eye distinctly rayed; large florets; an even bloomer.

**LOTHAIR**—Clear, even carmine, deep crimson eye.

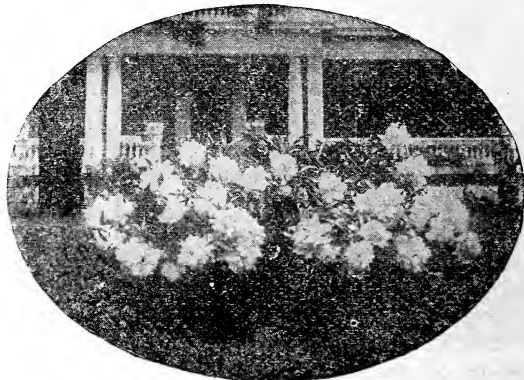
**MACULATA**—Tall growing, many-branched, pyramidal trusses of bright reddish, almost royal purple; the freest and showiest in permanent border; a grand acquisition to the hardy Phlox.

**MRS. JENKINS**—A grand tall early white for massing.

**PANTHEON**—Large, clear, deep, bright pink with faint halo; a charming variety.

**R. P. STRUTHERS**—The very best Phlox grown today. Color clear cherry-red suffused with salmon shades; deep red eye; fine large truss.

**RICHARD WALLACE**—Pure white, with violet-rose eye; large flowers, in immense panicles. Too much cannot be said of this variety.



**Peony, White**



## SUMMER FLOWERING BULBS

Plant in deep, rich soil, when the ground becomes warm. For earliest flowering the tender bulbs may be started in the house. For succession of bloom, plant up to June 1st. After fall frost, lift the bulbs, let them dry, and then removing the tops, store in a cool, dry place, away from frost, planting early in the spring.

## CANNA

The most popular decorative plant of the day. The earth should be spaded deeply and well enriched. After planting water sparingly until the plants have taken root and show good leaf growth.

Our Cannas are large size started plants. Write for special low prices in large quantities.

**ALLEMANIA**—Grand color yellow, heavily dotted and overlaid with blood-orange. 5 feet. 20c each.

**FREDERICK BENARY**—Immense flowers; currant-red, bordered yellow, and pronounced orange throat. 5 feet. 20c each.

**INDIANA**—Glistening golden-orange, lightened by flecks of old gold and daintily flecked and penciled with deep rose. Single blossoms often 7 in. across. 5½ feet high. 20c each.

**FIREBIRD**—This is by all means the best red-flowered, green-leaved Canna today. 25c each.

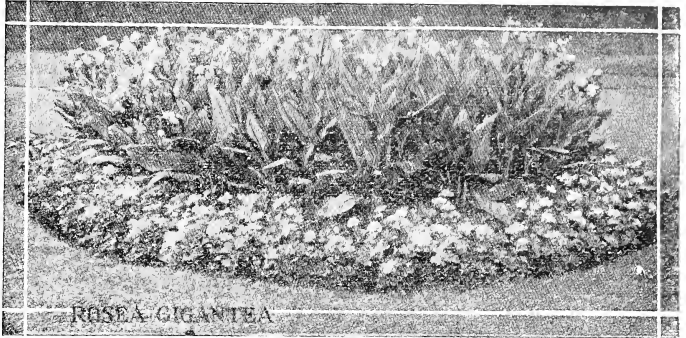
**DAVID HARUM**—Bronze foliage, bright vermilion-scarlet, mottled with deep red, and with crinkly-edged petals. 3½ feet. 20c each.

**FLORENCE VAUGHAN**—Pure yellow dotted with red. 5 feet. 20c each.

**KING HUMBERT**—Giant flowered; orange scarlet; bronze leaf. 4 feet. 25c each.

**PENNSYLVANIA**—Intense vermilion-scarlet or pure red. The flowers are immense, often 7 inches across. 5½ feet. 20c each.

**UNCLE SAM**—The most stately of all Cannas; bears 3 or 4 enormous bunches of brilliant orange-scarlet flowers on each stalk. 20c each.



A Bed of Cannas.

**LILY OF THE VALLEY**—Bearing slender stems set with tiny white bells, delightfully fragrant, do well in shady situations. Flower each season without any attention. 5c each; 4 for 15c; 40 per doz.; postpaid.

**CALADIUM ESCULENTUM (Elephant's Ear)**—Fine tropical plant, bearing immense leaves. Start as directed for Cannas; when growing you cannot make the soil too rich or keep it too wet. 15c each; 2 for 25c; postpaid.

**KUDZU VINE (Jack-and-the-Bean-Stalk)**—A most remarkable hardy climber. Starts slow, but in a few weeks grows almost beyond belief. Foliage dark green. Fine for porches and arbors. Roots, small, 25c each; 2 for 40c; postpaid.

**MADERIA VINE**—A rapid climber, twining to great heights. Thick, glossy leaves and feathery, very fragrant flowers. It grows anywhere, but does better in a warm, sunny location. It is also very pretty for training in the house. Strong tubers, 5c each; 3 for 10c; per doz., 35c; postpaid.

**TUBEROSE**—A beautiful white wax-like, very sweet-scented double flower growing on tall stems. 5c each; 40c per doz.; postpaid.

## DAHLIAS

Large, symmetrical double flowers having broad petals, incurving at the center. Blooms from August to freezing weather.

**A. D. LIVONI**—Rich pink, finely formed; a very handsome flower. 25c each.

**ARABELLA**—Very large and beautiful. Color soft primrose shaded with rose. 25c each.

**FRANK L. BASSETT**—Color bright royal purple, shading to lavender-blue, an extremely early and profuse bloomer. 25c each.

**GOLDEN WEDDING**—A giant flower. A deep golden-yellow, the same as found in the Golden Wedding Chrysanthemum. A gorgeous variety for the garden or for cut flowers. 35c; doz., \$3.75.

**JACK ROSE**—In color it resembles the Jacqueminot rose. Profuse bloomer and splendid for cutting purposes. 25c each.

**PRINCESS JULIANA (New)**—Pure white free flowering, the best white for cutting; prize winner. 35c each; \$3.75 per doz.

**QUEEN VICTORIA**—Large, rich golden yellow. 25c each.

**RED HUSSAR**—Richest cardinal red, with long stems. Splendid for cutting. 20c each.

**SYLVIA**—A beautiful deep pink, shading lighter to the center. 25c each.

**MIXED DAHLIAS**—Including some of the above varieties. 20c each; per doz., \$2.00; postpaid.

**DAHLIA SEED**—Single or double. Pkt., 5c, postpaid. Quantity price of all Dahlias except Golden Wedding and Princess Juliana, \$2.75 per doz., postpaid. By express, \$2.50 per doz.

## FALL BULBS

In September of each year we import from Holland a large shipment of Fall Bulbs. These should be planted any time from the middle of September until the ground freezes. This list includes bulbs for outdoor planting and for planting in the house. Write for our illustrated Bulb Catalog.



Dahlia.

OUR FALL BULB CATALOG WILL BE READY ABOUT AUG. 1ST. WRITE FOR IT.



**GLADIOLI**

This is one of the best summer-flowering bulbs. It is a flower anyone can grow and is lovely enough to satisfy the most exacting. The flowering season may be continued by planting from the middle of April to the first of June. Set the bulbs 6 inches apart and 2 to 4 inches deep.

**AUGUSTA**—Lovely pure white, blue anthers. **7c each; 50c per doz.; postpaid.**

**AMERICA**—The finest pink Gladiolus yet introduced; especially valuable to florists; spikes 2 and 3 feet long; flowers are large, open and spreading. Color delicate lavender pink. **7c each; 60c per doz.; postpaid.**

**BARON HULOT**—Dark purplish violet. **7c each; 60c per doz.; postpaid.**

**BRENCHLEYENSIS**—Intense fiery scarlet. **7c each; 50c per doz.; postpaid.**

**MRS. FRANCES KING**—Bright "Flamingo" pink, strikingly attractive. Flowers 4 to 5 inches across are borne on stalks 5 feet high. **7c each; 60c per doz.; postpaid.**

**PRINCEPS**—The \$1,000 Gladioli. Flowers are 5 to 7 inches broad, petals wide and rounded, forming an almost circular flower. The color is brilliant crimson, with white blotches on the lower petals. Spikes 4 feet in height; produce 12 to 15 flowers. **10c each; \$1.00 per doz.; postpaid.**

**COLUMBIA**—Light orange-scarlet, freely blotched with bluish-purple; throat freely mottled. **10c each; \$1.00 per doz.**

**PINK BEAUTY**—A beautiful deep pink variety, very early. One of the best. **7c each; 60c per doz.; postpaid.**

**NIAGARA**—The best yellow. **10c each; \$1.00 per doz.; postpaid.**

**GRISWOLD'S SPECIAL MIXED**—All colors and varieties. Every one a beauty. **4c each; 40c per doz.; postpaid; 50 for \$1.60; 100 for \$3.00 by express at buyer's expense.**

**BEDDING AND HOUSE PLANTS (Geraniums)**

**20c each; any six for 90c; postpaid.**

**ALPHONSE RICARD**—Large, perfectly formed semi-double flowers of bright vermilion-red.

**AMERICAN BEAUTY (New)**—Same color as the famous American Beauty Rose. Very free bloomer.

**BEAUTE POINTEVINE**—The color is a beautiful shade of shrimp-pink, delicately shading to white; a most profuse bloomer all season.

**E. H. TREGO**—A beautiful shade of dazzling scarlet with a pleasing soft, velvety finish on a saffron ground. Excellent. The trusses are so freely produced as to nearly conceal the foliage.

pot plant and for bedding than any other variety. The color is a handsome dark velvety scarlet with maroon shadings. A vigorous grower.

**SWEET-SCENTED GERANIUMS.**

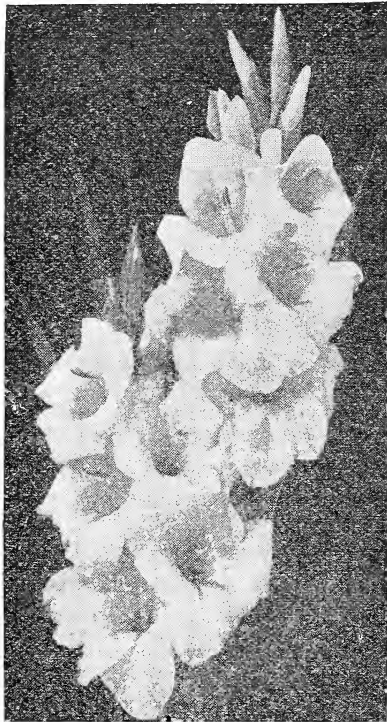
**15c each; 3 for 40c; postpaid.**

**LEMON**—The foliage is pronouncedly lemon scented.

**MADAME JAULIN**—A continual bloomer; color daybreak-pink, shading to a delicate peach-pink; enormous trusses.

**NUTMEG**—Foliage has true nutmeg fragrance.

**ROSE**—The famous sweet rose-scented Geranium; very fragrant.



**Augusta Gladiol.**

**JEAN VIAUD**—Beautiful shade of mauve-pink, shading to clear white throat; the flowers and trusses are enormous, sometimes measuring 6 inches in diameter. Extra fine.

**LA FAVORITE**—Flowers purest white; very free flowering; always a perfect mass of white; an old favorite double flower of deep pure pink color, of dwarf and branching habit. A perfect bedder and pot variety.

**MARQUIS DE MONTMART**—This is known as the Blue Geranium; it is more strictly speaking a rich purple; a striking color.

**S. A. NUTT**—This is more generally used as a

**CHRYSANTHEMUMS**

**CAN BE SUPPLIED UP TO ABOUT JUNE 1ST.**

**Price: 20c each; any 6 for \$1.00. The entire 8 listed below for \$1.25.**

**BLACK HAWK**—An extra fine, deep, crimson variety of the largest size; none finer of its color.

**GOLDEN GLOW**—Bright yellow of velvet finish. Flower 5 1/2 inches in diameter.

**GOLDEN WEDDING**—Nothing finer among yellows; shines like burnished gold. The standard for measuring yellows; of mammoth size.

**GLORY OF THE PACIFIC**—A lovely shade of brightest pink; large and fine.

**OCTOBER FROST**—Purest snow white; fairly glistens in its purity.

**OLD LAVENDER**—A beautiful shade of lavender.

**PACIFIC SUPREME**—This grand variety has literally leaped into popularity. Flowers are so large as to startle you. The color shades from lavender-pearl to the richest pink.

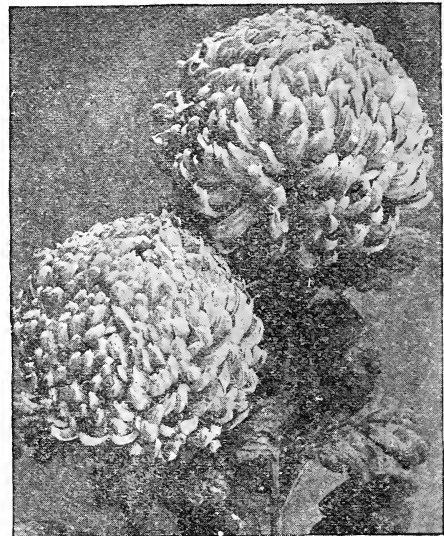
**ROBERT HALLIDAY**—Flowers of mammoth size and deep golden yellow; really a wonder.

**STANDARD FLOWER POTS AND SAUCERS.**

Sent by Express or Freight.

We pack these carefully, but will not be responsible for breakage in transit.

FLOWER POTS.		SAUCERS.	
Each	Doz.	Each	Doz.
2 inch	\$0.03	\$0.30	100
3 inch	.05	.40	150
4 inch	.06	.60	200
5 inch	.08	.75	300
6 inch	.12	1.25	400
7 inch	.15	1.75	500
8 inch	.22	2.25	600
9 inch	.30	3.00	700
10 inch	.50	5.00	800
12 inch	.90	9.00	900



**Chrysanthemums**



## FLOWERING BEGONIAS

**ARGENTEA GUTTATA**—A handsome variety, foliage oblong, purplish bronze, marked with silvery gray spots and dashes. Flowers borne in large clusters, and of pure, waxy whiteness. **30c each, postpaid.**

**GRACILIS LUMINOSA**—Magnificent new specimen; exceptionally sturdy and vigorous; unquestionably one of the choicest bedding sorts. Flowers are large, perfect, plentiful and never out of bloom. Color the brightest scarlet. **30c each, postpaid.**

**SANDERSONII (Coral Begonia)**—Flowers bright scarlet. Almost always in bloom summer and winter. Excellent for vases, etc. **30c each, postpaid.**

**THURSTONII**—Beautiful, stately plant; glossy foliage. Under side of leaves, purplish red; veinings very prominent. Upper side, bronzy green, shaded with crimson and olive, with glossy, metallic luster over all. Flowers beautiful shell-pink. **30c each, postpaid.**

### PEPEROMIA MUSCOSA OR WATERMELON BEGONIA

A most beautiful plant for pot culture, easy to grow, and thrives anywhere; leaves deep olive-green, marked with silvery white. Thick and waxy-like; leaves variegated white and green. **Price. 20c each.**

## MONTHLY CARNATIONS

### "THE DIVINE FLOWER"

**Price, except Nebraska: 20c each; any 3 of your selection for 50c.**

**BENORA**—The ground color is of the faintest blush, lightly penciled in soft pink. The bloom is fluffy in appearance, exquisitely beautiful in form. One of the grandest of all Carnations.

**CHAMPION**—Dark red, shaded, with richest maroon, fringed petals, nearly all flowers being on a long stem; free bloomer.

**MATCHLESS**—Largest flowers of the purest immaculate white; large sized blooms. Very sweetly scented with delightful clove fragrance.

**SENSATION**—Certainly a grand pink Carnation of the largest size and deliciously scented.

**NEBRASKA**—It is the best red Carnation in existence. Monster flowers of the best and most lasting shade of beautiful, bright, crimson-scarlet. Every flower is perfect. Is the finest bloomer of the Carnations. **Price: 35c each; 3 for 90c; postpaid.**

## DWARF LANTANAS

**Price: 15c each; the 8 for \$1.10; postpaid.**

Pure white, clear bright pink, crimson, variegated foliage, cream and pink flowers; cream and orange, rich red, orange-scarlet.

**WEEPING LANTANA (A Weeping Plant of Great Beauty)**—One of the grandest basket plants grown.

## COLEUS

**GENERAL ASSORTMENT**—We have a collection of 30 kinds of the most distinct sorts. Leave the selection of varieties to us, as it is hard to describe the various tints. **15c each; 4 for 50c; 12 for \$1.40; 25 distinct varieties for \$2.75; postpaid.**



Flowering Begonia  
FERNS

## LIBERTY FERN NEPHROLEPIS

A NEW FERN OF GREAT MERIT.

Liberty has a cast of blue that submerges the green; the fronds are finely cut; each pinna is crested or split, giving it a decided unique appearance. We feel sure this Fern will make a place for itself. **50c each, postpaid.**

**ASPARAGUS PLUMOSA (Climbing Lace Fern)**—Easily grown and very satisfactory for window and house culture; an extremely graceful window climber; bright green feathery foliage, as fine as the finest silk or lace. **25c each; large, 65c; postpaid.**

**ASPARAGUS SPRINGERII (Emerald Feather Asparagus)**—It is especially valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green feathery foliage. **25c each; large, 65c; postpaid.**

**FISH TAIL FERN (Nephrolepis Davallioides Farcans)**—This is a grand fern entirely distinct from any of the other varieties of Nephrolepis. **35c each; large, 65c; postpaid.**

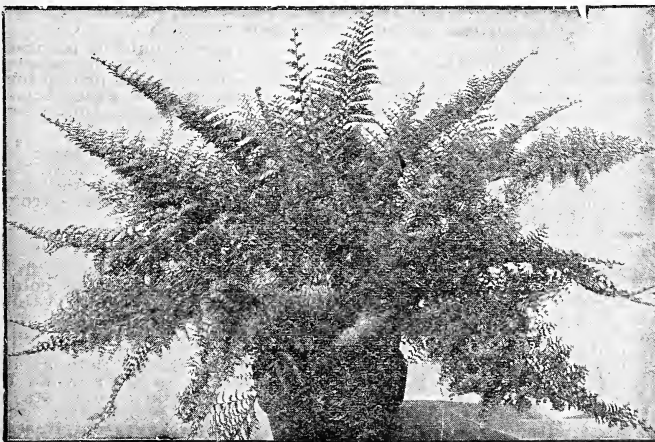
**BABY'S BREATH FERN (Nephrolepis Goodii)**—This has the finest foliage of all the ferns. It is so delicate and dainty in texture that baby's breath will set its fluffy foliage in motion. **35c each; large, 65c; postpaid.**

**OSTRICH PLUME FERN (Nephrolepis Whitmanii)**—Thrives perfectly in the warm atmosphere of living rooms. Combines graceful pluminess and charm with additional features of good shape, size and growth. **25c each; large, 65c; postpaid.**

**TEDDY JUNIOR**—The fern for every household. It is a sport from the now famous Roosevelt Fern. The fronds are broad and beautifully tapered from base to tip. **25c each; large, 65c; postpaid.**

**DWARF FERNS FOR FERN DISHES**—We have selected a few of the hardest and most satisfactory varieties for filling fern dishes, of which there is no prettier table decoration.

**Price: Dwarf Ferns, each 25c; large, 65c; postpaid.**



Ostrich Plume Fern.



## FUCHSIAS

### "LADIES' EARDROPS"

Price: 20c each; the set of 4 for 75c.

**BLACK PRINCE**—This is, without question, the very finest Fuchsia grown for the amateur to cultivate. It makes a shapely bush, is robust in growth, free from disease and insects, and is probably the freest in blooming. Carmine or pink color.

**ENFANT PRODIGY**—A grand Fuchsia; bright red sepals, deep purple corolla.

**MONTROSA**—Of the largest size; scarlet sepals, double snow-white corolla.

**SPECIOSA**—Habit erect and compact, presenting a decidedly neat and attractive appearance as a pot plant. The fine star-shaped flowers are produced in profusion and begin when plants are quite young; tube and sepals bright rose, corolla brilliant carmine.

## OLEANDERS

Price: 20c each; set of 4 for 75c.

These shrubs are becoming immensely popular again. We are growing and selling them by thousands. No plant makes more handsome specimens in tubs for the veranda or yards. Can be wintered in the cellar. We have 4 colors.

**LUTEA**—Has double primrose-yellow. Scarce.

**ROSEA**—Has double pink flowers.

**LILLIAN HENDERSON**—Has double white flowers.

### OTAHEITE ORANGE

As a pot plant this lovely dwarf Orange is one of the most novel and beautiful that can be grown. With a couple of plants of it you can have an abundance of the far-famed delicate and fragrant Orange blossoms, and we recommend it to our friends as a novelty of sterling worth and merit.

Good plants, 25c each; large, strong plants to bloom and bear profusely at once, 50c, 75c and \$1.25 each, according to size.

### LEMON VERBENA

This plant has the most fragrant foliage of any plant grown. The fragrance is that of the Lemon. Price: 15c each.

### NEW EVER-BLOOMING BABY PRIMROSE

#### "MALACOIDES"

This is the freest blooming plant we know of, blooming continuously during the entire season. Plants in very small pots have from 15 to 20 sprays of beautiful light pink flowers on stems 10 to 12 inches high at one time. 20c each.

#### ZEBRA PLANT

### A New Decorative Plant of Great Beauty and Value.

A beautiful plant, splendidly adapted for the decoration of drawing rooms or halls, as it stands drouth and dust with impunity, and requires scarcely any water. 20c each.



Angel's Trumpet

### ANGEL'S TRUMPET

It grows easily, blooms freely indoors in winter and in the garden in summer. Has large, tropical leaves, with blooms 8 inches long by 6 inches wide at the mouth, resembling a trumpet. Pure white in color and as fragrant as a Jasmine. Blooming plants, 50c each.

## TENDER VINES AND CLIMBERS

**THE WONDERFUL GIANT MOONFLOWER (Ipomea Maxima)**—A giant in growth and flower, and wonderfully fragrant. This grand new Moonflower is a decided improvement over the old well-known variety, Ipomea Grandiflora. The flowers are more than twice the size, oftentimes measuring from 6 to 7½ inches across. Its growth is very rapid when planted in good rich soil. Fine plants, 20c each.

**GERMAN or PARLOR IVY**—A rapid-growing plant, well adapted for training in the parlor. Leaves glossy green and flowers yellow, in clusters. 15c each.

**SMILAX**—A lovely house vine. 15c each.

**TRADESCANTIA (Wandering Jew)**—Fine for baskets. Two distinct kinds. 15c each.

**VINCA MAJOR VARIEGATA**—Fine for baskets and vases; green and white foliage. 20c each; large, strong plants, 35c each.

## ROSES

**NOTE:** The "large" roses are 2 years old; "small" 1 year old. Order in spring, not later than June 1st.

To obtain the most satisfactory results, roses should be planted in well-drained, rich, deep loamy soil, and given a location where they have sunlight and a circulation of air. For winter protection an application of composite or rotten manure should be given them in the late autumn, and spaded into the ground the following spring.

**NOTICE:** If the plants look wilted when received, put them in lukewarm water for 15 or 20 minutes. Set the plants about 2½ inches deeper than they were growing before and press the soil firmly around the roots. Give them a good watering. Shade from sun and wind until they begin to grow.

### TEAS AND HYBRID TEAS

**SUNBURST**—This magnificent giant yellow Rose is a fine forcer, it stands head and shoulders above all others of its color and will rank with American Beauty and the Killarneys in value and grandeur. The color is orange-copper or golden-orange and golden-yellow; edge of petals lighter. Some call the color cadmium-yellow. It makes no difference what you call its color, it is the yellowest of all roses in the everblooming class. Belongs in the class of big Roses. It puts all the yellows to sleep when it comes to bedding in the garden. The golden-yellow color stays right with the sunflower until it fully finishes. Better get acquainted with "Sunburst." 25c each; large two-year-old Roses, 60c each.



Sunburst



## TEAS AND HYBRID TEAS—CONTINUED



American Beauty.

Price of first 7 Roses on this page: Small, 25c; 6 for \$1.25. Large two-year-old Roses, 60c each; 3 for \$1.60; 6 for \$3.00.

**BRIDESMAID**—Clear, shining pink, buds of exquisite shape; stems long and stiff; a profuse bloomer. A leader of pink forcing roses since 1893, and likewise an outdoor favorite.

**CLOTHILDE SOUPERT**—A really wonderful Rose for bedding out or for pot culture; medium size and very double; white, shading to deep pink at center; a profuse grower and a strong dwarf grower, deliciously fragrant.

**KILLARNEY (The Irish Beauty)**—Brilliant sparkling pink with large, pointed buds, broad, wax-like petals with silvery edges and enormous semi-full flowers of exceeding beauty. One of the very finest forcers and has become the type for a numerous family.

**KILLARNEY BRILLIANT**—Newest member of its family and expected to push Killarney, its parent, off the field. Color varying from crimson-pink in winter to a bright, true pink in hot weather, brilliant throughout the year. As free a producer and a trifle stronger than the parent, with nearly double the petalage. First year's sales enormous.

**WHITE KILLARNEY**—A pure white sport from the pink parent above described. Identical with the pink variety except in color.

**LA FRANCE**—Silvery-rose, with pink shades and satin-like petals of unsurpassable beauty; large, symmetrical and deliciously fragrant blossoms from June until frost; hardy with protection.

**THE BRIDE (White Tea Rose)**—Flowers very large on long, stiff stems. They last a long time after being cut, making it one of the best for bouquets. Sometimes a pinkish white in hot weather, but usually a pure white.

## HYBRID PERPETUAL ROSES

Price of all Roses listed below except where noted: Small size, 25c each; any 6 of your own selection for \$1.25; any 12 for \$2.25. Large two-year-old Roses from this list, 60c each, or 4 for \$2.00.

**AMERICAN BEAUTY (Mme. Ferd. Jamin.)**—Generally conceded to be the most grandly beautiful of Roses in size, form and color. Rich red, passing to crimson, very delicately veined and shaded and surpassingly fragrant. A hardy everbloomer and rapid grower. Small, 35c each; large, 75c; postpaid.

**ETOILE DE FRANCE**—For the best red garden Rose it lies between this one, Rhea Reid and Helen Gould. Some say one and some say the other.

**FRAU KARL DRUSCHKI (the White American Beauty or Snow Queen)**—An everyday hardy, vigorous grower, with bright green leaves, delicately veined; splendid long buds and magnificent snow-

**GRUSS AN TEPLITZ (Greeting to Teplitz, or Virginia R. Cox)**—Hardy in all sections; grows freely to a height of 4 to 5 feet; vivid, dazzling, fiery crimson; sweetly fragrant; produces a mass of gorgeous blooms on long stems.

**HUGH DICKSON**—Brilliant crimson, shaded scarlet; very large and beautiful in form, with large, smooth petals, slightly reflexed on the edges. A vigorous grower, with handsome foliage; very fragrant.

**PINK SOUPERT**—Rose-pink in color; otherwise same as Clothilde Soupert; always in bloom.

**MAMAN COCHET**—Rich, rosy pink, shaded silvery-rose on outer petals; exquisite in color and graceful in form from bud to bloom and delightfully fragrant; beautiful, healthy foliage and long, stiff stems. Unquestionably the queen of pink Tea Roses and a leading cut-flower variety.

**WHITE MAMAN COCHET**—Identical with its parent, Maman Cochet, in everything except color.

**HERMOSA**—Popular for many years; cup-shaped, finely formed and full of flowers of soft, deep pink; everblooming, beautiful and hardy.

**METEOR**—Intense velvety crimson, buds and blooms large, elegantly formed, fully double and borne on nice, long stems, bright foliage of the deepest green. Brilliant and highly popular.

**MADAME PLANTIER**—A June Rose, well worthy of its long and continued popularity. Pure white, large and double; hardy as a forest tree; a free and continuous bloomer of the best white Hybrid Perpetuals, used extensively for cemetery planting.

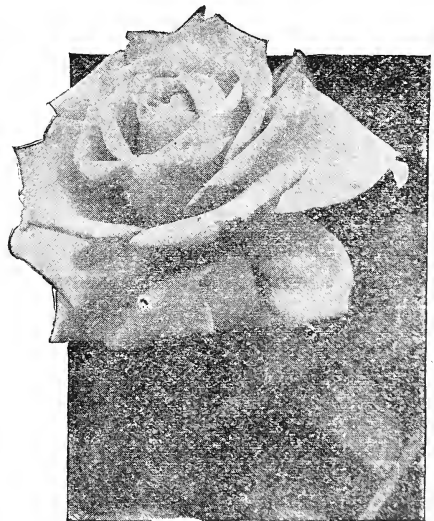
**LILLIAN MOORE**—No Rose ever has been offered to the public with the same credentials, having won in strenuous open competition with Roses from all countries of the world the much-coveted One-Thousand-Dollar Trophy offered by the "Panama-Pacific Exposition" for the best new seedling Rose not in commerce, and named "Lillian Moore" in honor of the wife of the president of the exposition, Mr. Charles C. Moore. Color deep pure Indian yellow with slightly deeper center; long buds; free bloomer. 35c each; large, 75c; postpaid.

white blooms with very large saucer-shaped petals. Rightly named and deservedly a prize winner.

**BOULE DE NEIGE (Ball of Snow)**—Pure white, showing light flesh upon opening; elegantly formed, very full and double, with beautifully shaped petals evenly arranged; hardy.

**J. B. CLARKE**—Intense scarlet, shaded crimson-maroon, very dark and rich, and sweetly fragrant; petals large, deep and smooth; extremely high pointed center; foliage bronzy-green, changing to dark green; growth strong and upright, making a large, handsome bush.

**GENERAL JACQUEMINOT**—A celebrated and much sought after variety, both for planting out and pot forcing; shapely buds and handsome blooms of bright shining crimson, rich, brilliant, velvety and fragrant. Everybody knows and wants the "Jack" for its all "round" good qualities.



Lillian Moore

**PANSY SPECIAL NO. 14**  
ONE PKT. EACH OF EIGHT GIANT  
NAMED COLORS 65c. SEE PAGE 44.



## HYBRID PERPETUALS—Continued

Price of first 4 Roses on this page: Small, 25c; 6 for \$1.25; 12 for \$2.25. Large two-year-old plants, 60c each; 4 for \$2.00.

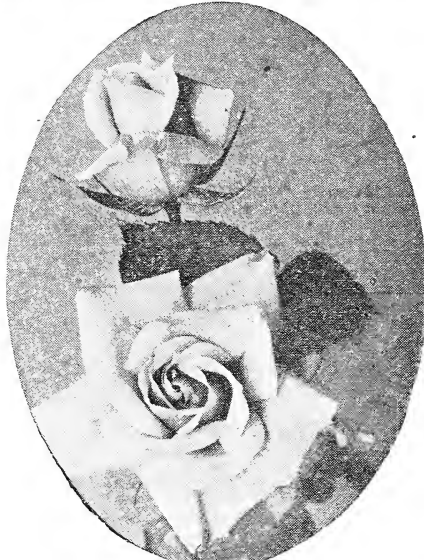
**MISTRESS JOHN LAING**—Beauty in clear, bright, shining pink; each bud in its long, serrated calyx with adjacent green foliage, forms a very dainty and lovely boutonniere; immense, full bloom on long stiff stems sweetly scented.

**PAUL NEYRON**—The largest of all Rose blooms; bright, shining pink, clear and beautiful; very double and full; finely scented; blooms first season and all summer. Grows to a great height in a single season and stems are almost thornless.

**PRINCE CAMILLE DE ROHAN (La Rosiere)**—Universally known as "The Black Rose," owing to its very deep, velvety crimson color, passing to intense maroon, and shaded black; large, handsome and fragrant blooms.

**ULRICH BRUNNER**—Brilliant cherry-red flowers of immense size and bold globular form. Seedling of Paul Neyron, strong and disease resisting.

**OPHELIA**—Brilliant salmon-flesh shaded with rose on outer edges of petals with a heart of glowing peach-pink and orange-yellow blendings, all passing finally to lighter shades; fragrant as Richmond, faultless form in bud and flower; erect habit, stiff, long stems; free and continuous in growth and bloom; handsome, bright foliage; immune to mildew and black spot; possesses every requisite of a perfect forcing rose. 35c each; large, 75c; postpaid.



Ophelia

**CLIMBING AMERICAN BEAUTY**—Seedling from American Beauty with an admixture of Wichuriana and Tea blood. Same as its namesake in size, color and fragrance, with the addition of the climbing habit. Better blooming qualities, good foliage, and has proven hardy and withstood heat and drought. Small, 35c each; large, 75c; postpaid.

**CRIMSON RAMBLER**—Most popular out-of-door climber of today; a rapid producer of long, heavy canes, reaching a height of 10 to 20 feet in one season; rich clusters of bloom from a mass of vivid-crimson beauty until late in the season. Perfectly hardy in the most trying climates, being a native of Japan.

**DOROTHY PERKINS**—Beautiful shell-pink color which holds for a long time, fading finally to a lovely deep rose; very sweet scented; fully equal to Crimson Rambler in foliage, hardiness, habit of growth and blooming qualities.

**EXCELSA (Red Dorothy Perkins)**—Intense crimson-scarlet; double flowers in brilliant clusters set

## HARDY CLIMBING ROSES

This class of Roses needs some protection in this climate, that is, states north of Kansas. A good plan is to lay them down and cover with straw or leaf mulch. It is freezing and thawing alternately that kills Rose bushes. Price all Climbing Roses except Climbing American Beauty: Small, 25c; 6 for \$1.25; 12 for \$2.00; large two-year plants, 60c each; 3 for \$1.50.

in glossy shining foliage which never mildews nor spots. An intensified Crimson Rambler, which it promises to displace. Extremely vigorous and the handsomest of all the red climbers.

**WHITE DOROTHY PERKINS**—Pure white sport from Dorothy Perkins, with which it is identical in foliage and habit. A valuable addition to the hardy climber class.

**SHOWER OF GOLD**—Deep golden-yellow orange flowers borne in splendid trusses forming a mass of bloom. Extremely long laterals are densely clad with a beautiful Wichuriana foliage, the leaves on upper side and stems a reddish-brown shot with a silvery sheen.

**TAUSENDSCHOEN (Thousand Beauties)**—Varying shades from a delicately flushed white to a deep pink or rosy-carmine, in bright clusters of blossoms almost covering the handsome pale-green foliage. A vigorous, hardy climber with few thorns, of German origin.

## POLYANTHA, OR BABY RAMBLER ROSES

A class of miniature Roses derived from the Climbing Polyantha. They are of dwarf habit and bloom so freely as to cover the entire plant with bloom all through summer and fall. The plants are splendid for bedding, or as edgings for borders they are hardy. They are useful, either pot grown or for bedding purposes or for hedge effect. Price: 25c each; 6 for \$1.25; two-year plants, 60c each; 3 for \$1.50.

**ANNA MULLER**—The pink Baby Rambler; always in bloom.

**BABY RAMBLER**—Completely hides itself all summer; bright red.

**CATHERINE ZEIMET**—The white Baby Rambler; extra.

**ELLEN POULSON**—Dark brilliant pink; fragrant; fine.

**ERNA TESCHENDORFF**—Deep crimson flushed with carmine; very dark.

**JESSIE**—Bright cherry-crimson Superb.

**LE PONCHEAU**—Dark red in large clusters.

**BABY TAUSENDSCHOEN**—Its flowers are large, so much like Tausendschoen that it has been rechristened "Baby Tausendschoen." It is a bush form of the "Climbing Tausendschoen," or "Thousand Beauties," having all the charm in the variable coloring in its flowers that its parent has, being firm white, delicately flushed pink, changing to deep rosy carmine. This is a splendid Rose. Try it.

**BABY DOROTHY (Pink Baby Rambler)**—A prolific producer of pure pink flowers, with all of the good qualities of Crimson Baby Rambler.

## RUGOSA ROSES

The Rugosa Roses are natives of Japan, and are nearly all allied botanically to the microphylla Roses.

They form sturdy, disease-resisting bushes, almost evergreen in the coldest climate. Fine for hedges. Hardy everywhere. 35c each; two-year-old plants, 60c.

**SIR THOMAS LIPTON**—The best pure white Rugosa Rose. Strong and vigorous; grows 4 feet high. Flowers perfectly double, pure snow white. Fragrant; borne on long stems continuously throughout the season. Absolutely hardy everywhere. Splendid for hedging, cemetery and park work.

**NEW CENTURY**—A grand Rose that is entirely hardy, bearing beautiful silvery pink flowers in clusters. This Rose is in bloom all the time. Extra fine for nurseries.

## MOSS ROSES

These are probably a sport of the Cabbage Rose. The origin of the double Moss Rose is left to conjecture. They have always been favorites, for what can be more elegant than the bud of the Moss Rose and more delicious than its fragrance? Perfectly hardy. 35c each; the 2 for 60c; two-year plants, 60c each; the 2 for \$1.00.

**MOUSSELINE**—Pure white flower, buds heavily and beautifully mossed.

**PRINCESS ADELAIDE**—Deep blush-pink, with buds that are thoroughly mossed.

# ORNAMENTALS

## HARDY CLIMBING VINES

ORDERS SHOULD REACH US BY MAY 1ST AT THE LATEST

Your home, outbuildings, fences and trunks of old trees can be made very attractive by the use of hardy vines. Such permanent improvements add greatly to the value of your property, and the value increases from year to year. We furnish nice, strong, field-grown plants at prices given below.

### HONEYSUCKLES

For real handsome vines, to be near you, climbing over your windows and doorways, there is nothing prettier than sweet-scented Honeysuckles; the foliage is pretty, neat and clean, the flowers are almost continuous, and their fragrance delicious.

### HONEYSUCKLE HEDGES

Some of our friends have conceived the idea of planting Honeysuckles along the division fences, and it is wonderful what pretty hedges they make. Iron or wire fences are the best, but almost any kind is soon covered with a mantle of living green. Other climbing vines will answer the purpose, but sweet-scented Honeysuckles are both fragrant and beautiful. They should be planted two feet apart.

**MONTHLY FRAGRANT**—Red and yellow; very fragrant. Blooms all summer; leaves tinged reddish color. **Large size only 75c; postpaid.**

**HALL'S JAPAN**—A good strong growing, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant and covered with flowers from July to November. **Large size 75c; postpaid.**

**SCARLET TRUMPET**—Red trumpet-shaped flowers; blooms freely, vigorous and rapid growing. **Large size 75c; postpaid.**

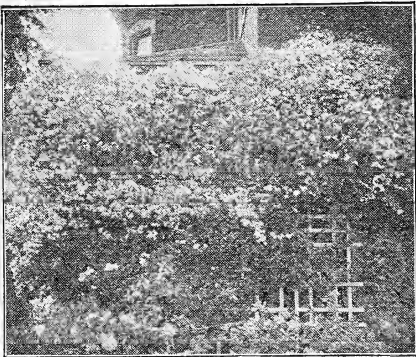
**YELLOW TRUMPET**—Golden trumpet-shaped flowers; fragrant. **Large 75c; postpaid.**

**BIGNONIA (Trumpet Creeper)**—Scarlet trumpet flowers with long, handsome, dark green foliage and quite showy clusters of orange and scarlet flowers during the summer. **Large only, 75c each; postpaid.**

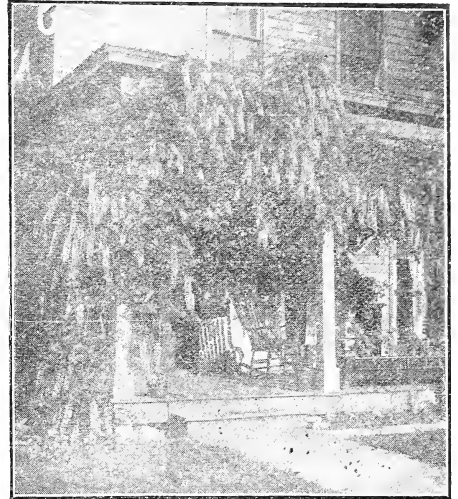
**CINNAMON VINE**—A beautiful hardy climbing vine, which will quickly surround an arbor, window or veranda with a profusion of vines covered with handsome, glossy, heart-shaped leaves, bearing great numbers of delicate white blossoms, which emit a delicious cinnamon fragrance. We know of no vine that is more satisfactory, being perfectly hardy, thriving everywhere, and when once planted will grow for many years and be a source of constant delight. The vines quickly make long shoots 25 feet or more in length, and can be used for all purposes where a beautiful climbing vine is needed. Plant the bulbs about 1 inch deep in rich soil, and with the approach of winter cover lightly with straw and leaves to prevent freezing. **2 for 15c; 4 for 25c; postpaid.**

### HARDY IVIES

**AMPELOPSIS QUINQUEFOLIA (Virginia Creeper)**—A native vine of rapid growth, with large, luxuriant foliage, which in autumn assumes the most gorgeous and magnificent coloring; perfectly hardy; the best climber for Nebraska. **50c each, postpaid.**



Clematis, Paniculata



Wisteria

**AMPELOPSIS ENGLEMANII**—Of denser growth, shorter jointed and richer in effect than the Quinquifolia. Grows 6 to 10 feet in a season. Will cling to a brick wall without any extra support. **75c each, postpaid.**

### WISTERIA

The Wisteria is particularly valuable for training over buildings, second floor verandas and wherever tall-growing climbers are wanted it is a vigorous, rapid grower, entirely hardy. The flowers are borne in large clusters.

**CHINESE PURPLE**—Of lovely, rich, violet-purple color, deliciously scented; handsome. **Large size, 75c each; postpaid.**

### CLEMATIS

There is no more ornamental class of plants than Clematis and the rich show of bloom produced by the best varieties is far too magnificent to be fairly portrayed by mere words. The colors run from intense velvety-purple through crimson, blue, lavender and white. We presume that every one of our customers who sees Clematis plants in bloom each summer promises to plant some in his own garden or yard at the next opportunity. They are especially adapted to our climate.

#### LARGE FLOWERING VARIETIES

**HENRYII**—A vigorous grower and a free bloomer, producing its large, pure white flowers constantly during summer and early autumn. The best large-flowered variety. **\$1.00 each; postpaid.**

**JACKAMANII**—The flowers are large, intense rich velvety violet-purple and are produced in such masses as to form a cloud of bloom. Well known and very popular. **\$1.00 each; postpaid.**

#### SMALL FLOWERING VARIETIES

**PANICULATA**—One of the most valuable of all hardy flowering vines. Of exceedingly rapid growth, soon reaching a height of 15 to 20 feet and spreading out in all directions. Small, pure white flowers, borne in great masses of panicles or clusters on long stems, so profuse as to fairly cover the plant with a sheet of fleecy white. Its blooming period is in August and September, when most other varieties have ceased, and it is then a sight to behold. Not its least charm is its delightful Magnolia-like fragrance. Hardy as an oak. **Strong two-year field plants to bloom this year, 75c each; postpaid.**

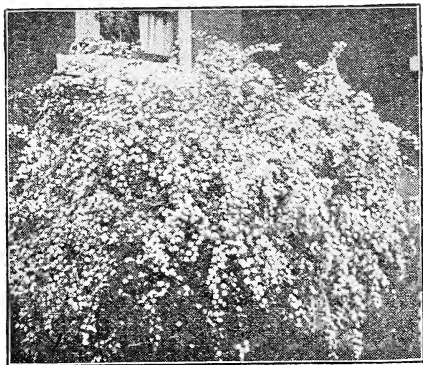


## Hardy Ornamental Shrubbery

The planting of shrubs, or perhaps combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a house hide unsightly corners, and the hard, straight lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings.

**Prices of all ornamental shrubs are by express at your expense unless otherwise stated.**

**BARBERRY THUNBERGII (Japanese Barberry)**—One of the best all-around shrubs for the Northwest, thriving under all conditions. Slender, graceful branches with fine bright green foliage, turning to brilliant crimson and orange in fall. Branches are covered with small yellow flowers in June, followed by scarlet berries that stay on bushes almost all winter. Barberry Thunbergii is not subject to rust, and may be planted anywhere. **Price, 18 to 24 inches, 25c each, \$2.25 per 10, \$20.00 per 100.**



**Spirea Van Houtte (Bridal Wreath)**

**SPIREA (Meadow Sweet)**—An indispensable class of small to medium-sized shrubs, embracing a wide range of foliage, habits of growth, color of flowers and season of blooming. All of easiest culture in all soils.

**SPIREA ANTHONY WATERER, D.**—A new crimson-flowered variety. It makes a low, compact bush, 15 to 18 inches high, and is covered nearly the whole growing season with large umbels of deep crimson flowers. Perfectly hardy, it makes a fine, compact plant for low clumps or for bedding purposes. **Price: Large size, 65c each.**

**SPIREA THUNBERGII (Thunberg's), S.**—Dwarf habit and round, graceful form, branches slender and somewhat drooping; foliage narrow and yellowish green. Flowers small, white. Esteemed on account of its neat, graceful habit and early blooming. **Price: Large size, 50c each.**

**THE EVERBLOOMING BUTTERFLY BUSH (Buddleia Variabilis Magnifica)**—One of the most desirable summer flowering shrubs beginning to bloom in July, it continues until cut by severe frost. The flowers are of a pleasing shade of violet-rose, and are

**ALMOND, DOUBLE FLOWERING PINK (Amygdalus)**—The Flowering Almonds are pretty dwarf bushes that bloom quite early and are very showy in spring. Their slender, leafless, upright branches are entirely hidden by stemless, very double flowers of pink color, resembling small roses. Grows to a height of 4 to 5 feet and blooms in May. One of the best flowering shrubs and highly recommended for the western states. **Price: Large size, 75c each.**

**HYDRANGEA (Paniculata Grandiflora)**—This familiar old shrub is one of the most prominent factors during August and September, in brightening up the lawn and shrubbery groups. Single specimens, if planted in rich soil and severely pruned every spring before the leaf buds open, will get to be very dense, stocky clumps of compact form, and are wonderfully attractive when laden with their massive white plumes. Large beds, kept at a uniform development, are extremely showy; first snowy white, then pink, then reddish bronze and green. **Price: Large size, 75c each.**

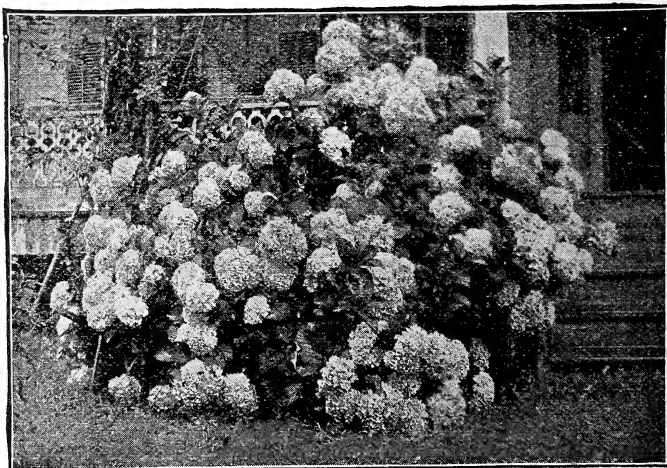


**Flowering Crab**

**SPIREA VAN HOUTTE, M.**—The grandest of all the Spireas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Clusters of 20 to 30 flat, white florets make up the racemes, and these clusters are set close along the drooping stem. Perfectly hardy and an early bloomer. **Price: Large size, 50c each.**

**DOUBLE FLOWERING CRAB**—One of the most beautiful of the many fine varieties of flowering crabs. Tree of medium size, covered in early spring with large, beautiful, double fragrant flowers of a delicate pink color. From a distance the flowers have the appearance of small roses. **Price: Large size, \$1.00.**

borne in dense cylindrical spikes, which, under liberal cultivation, are from 12 to 15 inches in length by 3 inches in diameter; it succeeds everywhere and flowers freely the first season planted, and is always admired. **Price: Large size, 60c each.**



**Hydrangea, "Hills of Snow"**



**CORNUS (Siberian Dogwood)**—Free growing, 6 to 10 feet tall and very hardy; forms a small handsome tree in some situations; its clusters of small white flowers in early summer are very dainty, and its bark is a showy dark red in winter. All the Siberian Dogwoods bear in early fall a profusion of whitish-blue berries, making them distinctly ornamental after the flowers have gone. A very brilliant shrub in the winter and early spring when the bark is intensely colored. **Price, large size, 50c each.**

**BUSH HONEYSUCKLE, RED TARTARIAN (*Lonicera Tartarica*)**—The best known of all the Bush Honeysuckles, and in our estimation the finest variety of all. Grows to a height of 8 to 10 feet with upright somewhat spreading branches and bright green foliage. The flowers are borne freely in May and June, and of bright pink color, followed by showy red berries which ripen in mid-summer and cling to the bush for several weeks. This fine shrub is of great value planted as a background for smaller shrubs. It withstands successfully the severest winters. **Price, large size, 50c each.**

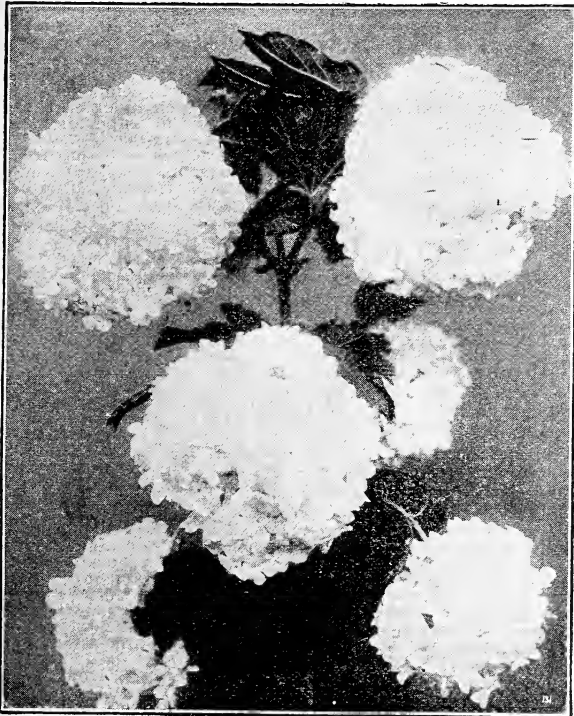
**JAPANESE QUINCE (Red) (*Cydonia*)**—Also called Fire-bush. Very showy and one of the earliest shrubs to bloom, the flowers appearing before the leaves are fully developed, the brilliant scarlet flowers gleaming like red-hot coals. Fruit about 1½ inches in diameter, yellowish green, and of aromatic fragrance. Invaluable for border or garden planting and make beautiful informal or clipped hedges. Very hardy and easily transplanted, and will thrive in almost any well-drained soil. **Price, large size, 65c each.**

**LILAC, PURPLE (*Syringa Vulgaris*)**—The old-fashioned purple flowering kind, with its wealth of lovely fragrant flowers in May. Bush is a rapid, vigorous grower. Hardy everywhere. **Price, large size, 50c each.**

**LILAC, WHITE (*Syringa Vulgaris Alba*)**—Similar to the above, but flowers are borne in rather loose clusters, pure white and deliciously fragrant. Bush is an erect, tall grower. **Price, large size, 65c each.**

**ELDER, COMMON (*S. Canadensis*)**—A large, showy shrub, very ornamental in foliage, fruit and flowers and blossoming in June; flowers white, borne in large panicles; fruit reddish-purple berries in the fall. **Price, large size, 50c each.**

**ELDER, CUT LEAVED (*S. Nigra var. Lociniata*)**—One of the best cut-leaved shrubs; a valuable variety with elegantly divided leaves. **Price: Large size, 50c each.**



Snowball



Lilacs

**YELLOW FLOWERING CURRANT (*Ribes Aurum*)**—The flowering currants are much prized for their wealth of bright flowers in early spring and their pervading spicy odor. The leaves are glossy green and turn to brilliant colors in the fall. This variety has yellow fragrant flowers, followed by dark brown fruits, which are edible. Very hardy. Attains a height of 5 to 7 feet. **Price: Large size, 65c each.**

**MOCK ORANGE OR SYRINGA (*Philadelphus Coronarius*)**—One of the very best of the old, well-known shrubs. It seldom or never fails to bloom. The fragrant and beautiful waxy white flowers appear in great profusion in June. In shape and fragrance they resemble the Orange blossoms, therefore the name. The shrub grows to a height of 10 feet; can be kept lower, though, by pruning. Often used for an ornamental hedge. Hardy everywhere and valuable for immediate effects in landscape planting. This is one of the most satisfactory shrubs for the Middle West, hardy, and it never fails to bloom and needs little care. To cover an unsightly alley in your back yard this and the Upright Honeysuckle are the best. Plant in this case about 4 feet apart. **Price: Large size, 50c each.**

**SNOWBALL, Guelder Rose (*Viburnum Opulus Flora Plena*)**—One of the favorites of old-time gardens. It grows into a magnificent high bush with upright branches and handsome foliage. It forms one of the most impressive sights of early summer, when its pure white, four-petaled flowers, borne in showy balls, are in bloom. Hardy everywhere. **Price: Large size, 60c each.**

**TAMARIX (Tamarisk)**—The Tamarisks are hardy shrubs, of strong growth, foliage light and feathery, their flowers delicate and fringing, usually in some light shade of red or pink. They will grow anywhere. **Price: Large size, 60c each.**

**WEIGELIA ROSEA**—An elegant shrub with beautiful rose colored flowers. Blooms from June until fall. It is erect in habit with good foliage. The height is 5 feet. Very hardy. The only variety of Weigelia that is really hardy in Nebraska and does not need winter protection. **Price: Large size, 60c each.**

**AMOR RIVER PRIVET**—Hardy. Foliage glossy green and holds its color well almost the entire season. Will stand shearing to any extent. Where the California Privet is not hardy, the Amor Privet should be planted. We recommend this Privet for all the states north of Missouri. It costs a little more, but will stand your climate and will be perfectly satisfactory. **Price: Plants all well branched, 18 to 24 inch, 25c each; \$2.00 per 10; \$8.00 per 100.**



## ORNAMENTAL SHADE TREES

We offer one of the finest assortments of shade trees. Our trees and shrubs are carefully packed and wrapped in burlap, sent by express at your expense unless otherwise ordered.

**MOUNTAIN ASH, EUROPEAN** (*Sorbus Aucuparia*)—Hardy tree of medium size, a smooth bark, head dense and regular, covered from July till winter with large clusters of bright red berries. A fine lawn tree and very hardy. Does well here in Nebraska. **Price:** Nice, well-branched trees, 6 to 8 feet, \$1.00; 8 to 10 feet, \$1.50.

**BIRCH, EUROPEAN** (*Betula Alba*)—A graceful tree with silvery white bark and slender branches. When a few years old, of an elegant drooping habit, rendering trees very effective in parks or on lawns. Hardy as far north as the Dakotas. **Price:** 6 to 8 feet, \$1.50; 8 to 10 feet, \$2.00.

**CATALPA BUNGEI** (*Chinese Catalpa*)—A dwarf form, only 3 to 4 feet high, twice as broad. It is very useful in formal park work when grafted on stems 5 to 8 feet high, forming a very pretty dome-shaped head of large, soft, heavy leaves. Elegant for lawns, parks and cemeteries. The tree is hardy here. Do not recommend it, though, north of the middle of Nebraska. **Price:** 1-year head, \$1.50; 2-year, \$2.00.

**ELM, AMERICAN** (*Ulmus*)—The elm has always been the favorite shade tree in the northern states, and is the best street and park tree for general planting in this section. It is also one of the hardiest trees for prairie planting and will withstand a greater extreme of temperature and moisture than any other of our shade trees. Of very large size with open, spreading head and graceful, drooping branches. **Price:** 8 to 10 feet, \$1.50; 10 to 12 feet, \$2.00.

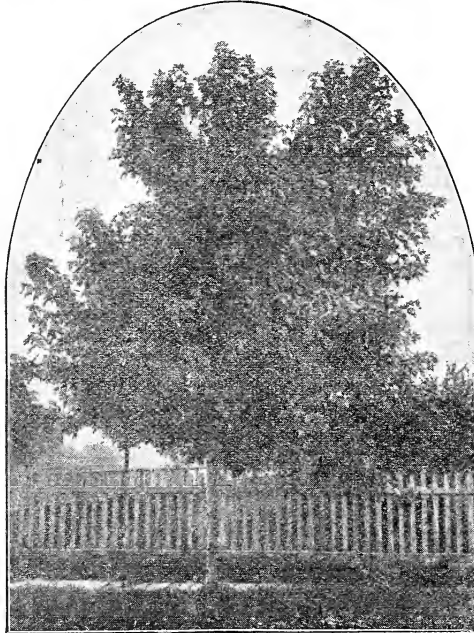
**LINDEN, AMERICAN** (*Basswood*)—Perfectly hardy everywhere; vigorous in growth, with large, clean, handsome foliage and fragrant flowers. One of the best shade trees for all shade and ornamental purposes. **Price:** 6 to 8 feet, \$1.50; 8 to 10 feet, \$1.75.

**MAPLE, SILVER OR SOFT** (*Acer Dasycarpum*)—A North American species of rapid growth, large size and irregular, rounded form; foliage is bright green above and silvery white beneath. Very attractive and should be planted alternately with the slower growing but more permanent Sugar or Norway Maples and cut out when the latter have attained a good size. Where immediate shade is required, it is one of the most useful; also a favorite street and park tree. **Price:** 8 to 10 feet, \$1.00; 10 to 12 feet, \$1.50.

**MAPLE, NORWAY** (*Acer Platanoides*)—Resembles the Sugar Maple in general appearance, but is easily distinguished from it, as the leaves remain green longer than any other maples, and turn a bright yellow in autumn. A very hardy tree of symmetrical growth, with large, round heads and handsome foliage, which is used extensively for park and street planting. **Price:** 8 to 10 feet, \$1.25; 10 to 12 feet, \$1.75.

**RED OAK** (*Quercus Rubra*)—An American variety, rapid in growth, with large foliage, which assumes in the fall a purplish scarlet hue. It makes a fine specimen and cannot be too highly recommended for general planting. **Price:** 6 to 8 feet, \$2.50.

**BLACK WALNUT**—A handsome large tree, with beautiful light green foliage. The tree is very straight and of greatest value for its timber. It grows fairly rapidly and bears nuts freely. The nuts are large, rather oily, and with a very fine flavor distinctly different from any other nut. **Price:** 5 to 6 feet, \$1.25; 6 to 8 feet, \$1.75.



Silver Maple

desirable for park and street planting. It is hardy north of here, and we cannot recommend it, even for the middle of Nebraska. **Price:** 6 to 8 feet, \$1.00; 8 to 10 feet, \$1.50.

**NORWAY POPLAR, Sudden Saw Log** (*Populus*)—A very distinct tree in habit of growing and making a straight, upright, somewhat pyramidal head. The foliage is large, thickly borne, bright and glossy. It grows rapidly in almost every soil, and yet it possesses strength and durability which most of the Poplars lack. For city planting it is superior to most of the other Poplars, as it resists smoke and dust better. It is claimed that this tree will mature a log 2 feet in diameter in 16 years, making quicker growth than any other tree adapted for the middle or northern states. **Price:** 8 to 10 feet, 75c; 10 to 12 feet, \$1.00.

### WEEPING DECIDUOUS TREES

**BIRCH, CUT LEAF WEeping** (*Betula Alba var. Pendula Laciniata*)—This is decidedly the best of all weeping trees hardy enough for the Northwest. It is tall and slender, but of vigorous growth, with graceful drooping branches and delicately cut foliage through which silvery white bark shimmers as it is stirred by the wind. It is without question the most beautiful tree for lawn and landscape planting. **Price:** 6 to 8 feet, \$1.50; 8 to 10 feet, \$2.00.

**TEAS' WEeping MULBERRY** (*Morus*)—The most graceful hardy weeping tree in existence. Forms a perfect umbrella-shaped head, with long, slender, willow branches, drooping to the grounds. It has beautiful foliage, is wonderfully vigorous and healthy; is one of the hardiest, enduring the cold of the North and the heat of the South; safe and easy to transplant; admirably adapted for ornamental small or large grounds, or for cemetery planting. While the tree is very hardy, we would not recommend it for the extreme North, say north of Nebraska, except in well-protected localities. Fine, strong trees, grafted 5 to 6 feet high, with good tops. **Price:** 1-year head, \$2.00; 2-year head, \$2.50.

**THURLOW WEeping WILLOW** (*Salix Elegantisima*)—This Willow, like the Babybonica, is not grafted or budded; its nature is weeping. Tree vigorous, fast grower, very hardy, and a graceful weeper. The branches are very slender, leaves long, of bright green with lighter shade of green on the lower side. **Price:** 6 to 8 feet \$1.00; 8 to 10 feet, \$1.50.

**PIN OAK** (*Quercus Palustris*)—An upright, vigorous growing variety, forming a stately, round topped tree, with long, slightly pendulous branches. The dark green, deeply cut foliage turns to brilliant yellow and crimson shades in autumn, forming one of the best of our fall colored trees. Grows faster than other Oaks, often making shoots of 2 feet or more in one season. Transplants the easiest of all Oaks, and is one of our very finest lawn trees and a desirable avenue tree. **Price:** 6 to 8 feet, \$2.50.

**CAROLINA POPLAR** (*Populus Carolinensis*)—One of the most rapid growing trees, with large, handsome, glossy, deep green leaves. Succeeds everywhere; especially adapted to cities, where it makes unusually fast growth and resists smoke and gas. Pyramidal in form, making a spreading head and dense shade when properly trimmed. Makes a splendid windbreak or screen. It is used in larger numbers for street planting than any other tree. Good for northern Nebraska. **Price:** 8 to 10 feet, 75c; 10 to 12 feet, \$1.00.

**SYCAMORE, AMERICAN** (*Platanus*)—Noble, upright growing tree, with spacious head and large deep green foliage. A free grower and very





## EVERGREENS FOR WINDBREAK, HEDGE AND LAWN DECORATION

Strong, Heavy, Well Rooted Transplanted Stock for Express Shipment

Hardy Outdoor Spruces, Pines, Firs, Etc. Safe Arrival Guaranteed to Any Point in the U. S.

### SPECIMEN EVERGREENS FOR LAWN DECORATION

CHOICE, RARE SORTS OF EXQUISITE BEAUTY.

A pair of evergreens on either side of entrance, walk or drive, or a well-arranged group in each corner of the front yard will bring a new beauty and charm to the home grounds. As ornamental trees evergreens are unsurpassed. No other trees remain green throughout summer and winter, none are more beautiful. There is unquestionably no better way of beautifying a place than surrounding it with beautiful evergreens.

#### PRICES.

All Specimen Evergreens, Roots, Balled and Burlapped. For Spring Delivery Only.

Variety.	Each	Pair
Colorado Blue Spruce (Shiners).....	2-3 feet B&B \$12.00	\$20.00
Colorado Green Spruce.....	2-3 feet B&B 10.00	18.00
Silver Cedar (Juniperus Glauca).....	2-3 feet B&B 8.00	15.00
Pyramidal Arbor Vitae (Thuja).....	2-3 feet B&B 8.00	15.00
Hemlock (Abies Canadensis).....	2-3 feet B&B 8.00	15.00
Douglas Golden Arbor Vitae (Thuja).....	2-3 feet B&B 8.00	15.00
Red Cedar (Juniperus).....	2-3 feet B&B 8.00	15.00
Black Hill Spruce (Picea Canadensis).....	3-4 feet B&B 13.00	25.00
White Spruce (Picea Alba).....	3-4 feet B&B 10.50	20.00
Dwarf Mt. Pine (Pinus Mugho).....	1-1 1/2 feet B&B 4.50	8.00
Dwarf Mt. Pine (Pinus Mugho).....	1 1/2-2 feet B&B 5.50	10.00

For best results we always advise selection be left to us so we can select the best for your section.

### EVERGREENS FOR WINDBREAKS

Authorities figure that a good evergreen windbreak will add from \$2,000 to \$5,000 to the value of the average farm. An evergreen windbreak beautifies and protects, increasing in value each year. First cost is the only cost.

Twice Transplanted, Twice Root-Pruned, Strong, Thrifty Evergreens.

	5	25	50	75	100	200
Small size, 6-10 inch... \$2.00	\$ 8.75	\$17.50	\$22.50	\$30.00	\$ 56.00	
Medium size, 10-12 inch 2.25	10.00	17.50	25.25	35.00	66.00	
Large size, 1-1 1/2 feet.. 2.50	11.25	20.00	30.00	40.00	76.00	
Extra large, 1 1/2-2 feet. 3.50	16.25	30.00	45.00	60.00	116.00	
Super size, 2-3 feet.... 4.25	20.00	37.50	56.25	75.00	146.00	

### WINDBREAK VARIETIES

\*White Pine  
Black Hill Spruce

White Spruce  
\*Colorado Douglas Fir  
Jack Pine

\*Red Cedar  
\*Scotch Pine

Blue Spruce.  
Ponderosa Pine  
\*Norway Spruce

Starred sorts denote best varieties for certain soils and localities. For best results we always advise selection be left to us so we can select the best for your section.

NOTE.—The United States Department of Agriculture has prohibited the shipment of White Pine west of the west line of Minnesota, Iowa, Missouri, Arkansas and Louisiana. No orders accepted for White Pine west of that line.

#### PLANTING DISTANCE FOR EVERGREEN WINDBREAKS.

For best results plant evergreens 10 feet apart in the windbreak row. If two or three rows are planted, space rows 10 feet apart, setting evergreens alternately or zig-zag. An evergreen windbreak row 1,000 feet long will only require 100 evergreens.

### EVERGREENS FOR HEDGES

CLIP ONCE A YEAR AND THEN FORGET.

Evergreen Hedges add beauty, charm and comfort to the home year around, making good live fences which keep poultry and live stock out of yard and garden. Evergreen Hedges are more permanent and economical than a wire or iron fence.

The American Arbor Vitae (White Cedar also Red Cedar, are two splendid Evergreens for hedge planting. Both can be clipped to any desired height or shape. Nothing is so cheerful and comforting as a neatly clipped Evergreen Hedge around the yard and garden.

TWICE TRANSPLANTED, TWICE ROOT-PRUNED, STRONG, THRIFTY EVERGREENS.

	5	25	50	75	100	200
Small size, 6-10 inches... \$2.00	\$ 8.75	\$15.00	\$22.50	\$30.00	\$ 56.00	
Medium size, 10-12 inches 2.25	10.00	17.50	26.25	35.00	66.00	
Large size, 1-1 1/2 feet.. 2.50	11.25	20.00	30.00	40.00	76.00	
Extra large, 1 1/2-2 feet. 3.50	16.25	30.00	45.00	60.00	116.00	
Super size, 2-3 feet.... 4.25	20.00	37.50	56.25	75.00	146.00	

#### HEDG VARIETIES.

For Spring Delivery Only.

American Arbor Vitae (White Cedar), Red Cedar.  
For best results we always advise selection be left to us so we can select the best for your section.

#### PLANTING DISTANCE FOR EVERGREEN HEDGES.

Plant small, medium and large sizes 1 foot apart; extra large, 1 1/2 feet apart, and super size, 2 feet apart.

#### TIME AND METHOD OF SHIPMENT.

Windbreak, Hedge and Lawn Evergreens are shipped separately in the early spring, during March, April or May, according to locality. Evergreens cannot be stored like fruit and shade trees. All Evergreens are dug, packed and shipped same day, insuring fresh, thrifty stock full of life and vitality.

Our Evergreens are grown for us by one of the oldest and largest Evergreen nurseries in America. They grow nothing else. You can depend upon the quality.

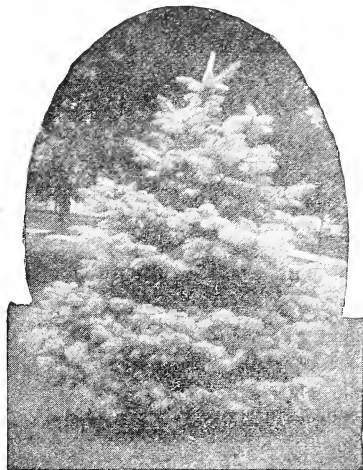
NOTE—All orders are shipped to your nearest express office. Arrival at express office in good order constitutes delivery. Purchasers pay all transportation charges.

Simple, easy, detailed planting instructions are sent with each shipment.

#### PLEASE READ CAREFULLY.

Orders must be confined strictly to sizes and varieties quoted above. Eighteen to 24 means not less than 18 inches and up to 24 inches. If 2-foot windbreak or hedge Evergreens are wanted, then the 2-3-foot size must be ordered.

RATES—Windbreak and Hedge Evergreens are tied in uniform bundles of 5 trees each of a single variety and size. Orders must be in multiples of 5. Five to 20 of the same variety and size at the 5 rate; 25 to 45 at the 25 rate; 50 to 195 at the 100 rate; 200 and over at the 200 rate.



Our Well Rooted Trees.

RATE OF GROWTH—This depends entirely upon the variety. If left to us, we will select the variety that will grow fastest and best in your locality.



## Nursery Department

Our nursery stock is all inspected by the State Entomologist and must be free from all insects and diseases before it can be sold. A certificate to this effect accompanies each shipment. We guarantee our trees to give you satisfaction in so far that if they are not satisfactory upon arrival you can return them immediately at our expense.

### APPLES

The Apple is the first fruit, both in importance and general culture. No fruit is more in demand, more universally liked. The earlier varieties ripen about the last of June, and the later sorts can be kept until that season. It is a fruit in perfection the entire year. Make a judicious selection of varieties, and a constant succession can be had the whole year. We catalog only such varieties, as are productive and suitable for this climate.

**BEN DAVIS**—Old variety. It is a good, large, red apple, keeps well. Is a good bearer, and sells well in the market, although not of the best quality.

**DELICIOUS**—Fruit is large, with the surface almost covered with a most beautiful brilliant dark red, blending to golden yellow at the blossom end. In quality it is unsurpassed, in flavor sweet, slightly touched with acid, but only enough so as to make it all the more pleasing, with an aroma delightfully fragrant. The flesh is fine-grained, crisp, juicy, melting and withal delicious. In keeping quality it ranks with the best, coming out of storage in March and April in perfect condition. Tree is very hardy. No better apple exists, except probably the Golden Winesap. Is no more an untried novelty, but has been largely planted in the Middle West and Pacific states. Commercial orchardists plant them by the thousand.

**GRIME'S GOLDEN**—Tree vigorous. Fruit above medium, regular, surface rich golden yellow; flesh yellow, flavor rich and spicy, slightly acid. Specially good for early winter. Season November to January.

**JONATHAN**—A delicious dessert apple. Fruit good size, surface rich golden yellow; flesh yellow; flavor rich and spicy, slightly acid. Specially good for early winter. Season November to January.

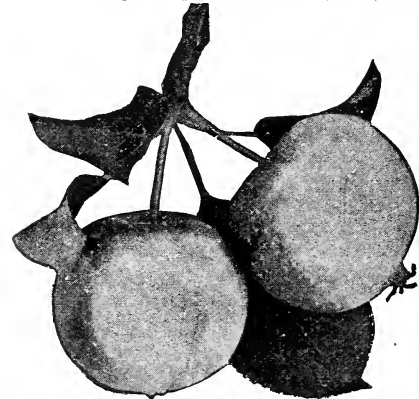
**MAIDEN BLUSH**—Good size, fine flavor, beautifully blushed, good bearer, a fine apple for home and market. September.

**OLDENBURG (Duchess)**—Fruit large striped, beautiful, quite juicy, mild sub-acid, or almost tart; tree a good bearer, with upright head, requiring little or no pruning; very hardy. Indispensable north and west, good south, and favorite east. One of the best for culinary use, being particularly well adapted for cooking and drying. July and August.

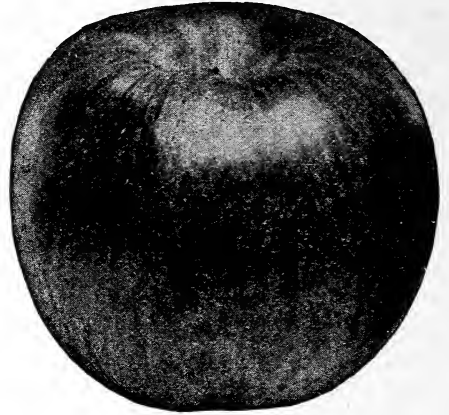
**RED JUNE**—Size medium oblong, very red. Flesh white, tender, juicy, sweet, acid with a fine flavor. Quite early and keeps well for a summer apple. Tree very hardy, bearing young and abundantly.

**YELLOW TRANSPARENT**—One of the earliest apples. Fruit is medium large, smooth, transparent.

**ALEXIS (Russian)**—Medium to large, light orange, yellow flecked with red; flesh tender, juicy, sweet and good quality; hardy; very productive. July.



Whitney No. 20.



Wealthy.

Skin is clear white, turning pale yellow when ripe. Flesh white, fine grained, aromatic, and of splendid quality. Tree is vigorous, good bearer. Two-year-old trees frequently produce fruit. Succeeds in all Eastern states and should be planted in all cold climates. Succeeds well on thin soils. Ripens in early August. Its hardiness, vigor and early bearing commend it.

**WEALTHY**—Originated by the late Peter M. Gidion. A vigorous spreading grower, very productive and hardy. Fruit above medium to large, oblate, very regular, smooth light, yellow, almost wholly covered with bright red splashes and stripes. A beautiful fruit. Flesh white, often stained with red, tender, very juicy, slightly sub-acid, very good for table use and cooking. A splendid and profitable market sort. Season October to February.

**WINESAP**—A valuable, well-known variety. One of the leading export apples, fruit medium, roundish, skin moderately thick and tough. Dark red with yellow; flesh very rich and firm. Season December to May.

### APRICOTS

**BUDD (Russian)**—Medium to large light orange with blush on sunny side; flesh sweet, juicy with flavor of the peach; hardy and productive. August.

### PEARS

**BARTLETT**—Large size, with beautiful blush next the sun, buttery, very juicy, and highly flavored; tree a strong grower, bears early and abundantly; very popular. August, September.

**FLEMISH**—Large, red cheeked, beautiful, excellent quality, productive; one of the hardiest; very popular in the West.

**SECKEL**—Small, rich, yellowish brown. One of the best and highest flavored pears known. Very productive.

### CRAB APPLES

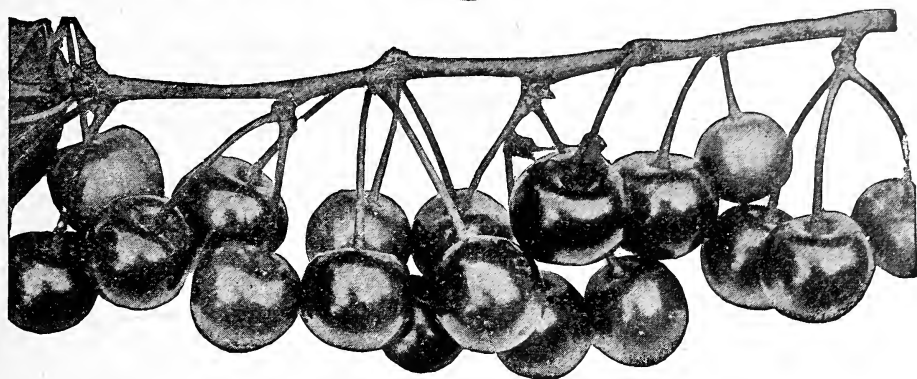
**FLORENCE**—A hardy tree, bearing young; fruit medium of carmine color; flesh yellowish; medium fine; a fine jelly crab.

**WHITNEY NO. 20 (Hybrid)**—A beautiful, upright growing tree. A young and abundant annual bearer and very hardy. Fruit of large size, conical, yellow, striped with red, and covered with a whitish bloom. Flesh white, crisp, sub-acid, almost sweet and very fine for eating; good for sweet pickles. Season August to September.

FOR PRICES OF FRUIT ON THIS PAGE, SEE PAGE 63



Buy  
Good  
Trees



Send  
Your  
Or-  
ders  
Early

**Early Richmond.**

**PEACHES**

**ALEXANDER EARLY (Cling)**—Medium size, greenish white nearly covered with rich red; flesh sweet and juicy. Very productive.

**J. H. HALE'S EARLY (Free)**—Medium greenish white with red cheek; flesh white, melting, juicy. Abundant bearer.

**CHAMPION**—Fruit large, beautiful in appearance, flavor delicious, sweet, rich and juicy; skin creamy white with red cheeks; freestone. The peculiarity of this acquisition is its hardness. One of the best bearers in Nebraska. August.

**CRAWFORD'S EARLY (Free)**—Large, roundish, bright yellow with red cheek; flesh yellow juicy and sweet; quality good. August and September.

**ELBERTA (Free)**—The great market peach of the Southwest; perfectly hardy in the North and is believed by many growers to be the best all around peach; color lemon-yellow with blush on sunny side; flesh pale yellow, tender and juicy; tree vigorous; a good shipping peach.

**CHERRIES**

**EARLY RICHMOND (English Pie Cherry)**—A well-known old standard variety. Tree is hardy, healthy, a free grower, very productive and regular in bearing. Fruit clear bright red, of medium size, acid, rich and one of the best for canning and for pies. The most popular of the true Kentish Cherries. Ripens in June.

**ENGLISH MORELLO**—Fruit large, very dark red, nearly black; tender, juicy acid, of good quality. Owing to its rich red color, looks much better when canned than the Early Richmond. Tree dwarf, slender spreading; bears young. I would not advise planting this variety further north than the middle of Nebraska. Ripens July.

**MONTMORENCY**—Large, red, rich and acid. Very hardy and productive. It belongs to the Richmond class and besides ripening ten days to two weeks later, there is little difference between the two. Seems to do better than any other variety in western Nebraska and western Kansas.

**COMPASS CHERRY**—Absolutely hardy everywhere. Nearly an inch in diameter, bright red, sweet and juicy and of very fine flavor. The original tree bore fruit the third year from the seed and has borne a full crop every years since. The tree is a regular and heavy bearer and produces fruit the next year after setting out. For exposed situations and for the North and West it is the "Cherry." Requires no protection whatever; in every particular is hardy as an oak.

**All Kinds of Pruning Shears  
Listed on Page 87**

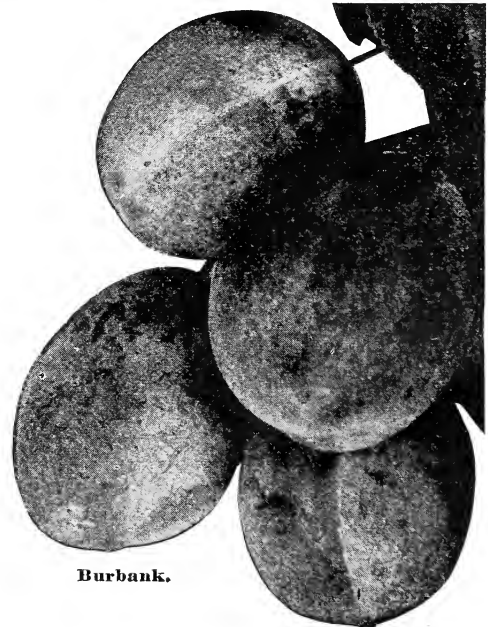
**PLUMS**

**HAWKEYE**—One of the largest and best plums grown in the northwest. Fruit large round oval; thick skin that bears handling; color dull red over yellow; flesh yellow and of prime quality. Tree hardy and vigorous, bears young and reported everywhere as prolific and regular. A profitable market plum, stands shipping well. Highly valued for fresh fruit and culinary purposes.

**SHROPSHIRE DAMON**—One of the best for preserving; flesh amber colored; juicy and spicy; tree vigorous, hardy and an abundant bearer. Ripens middle September.

**LOMBARD**—Medium size, oval, violet red, flesh yellow, juicy, pleasant. A great bearer and peculiarly adapted to light soils. Tree vigorous and hardy, succeeds where most other varieties fail. The most popular and profitable plum under general cultivation. One of the best for Nebraska and Kansas. Ripens last of August.

**BURBANK**—Medium to large, orange-yellow, dotted and marbled with red; flesh meaty, yellow, sweet and good; valuable for canning and a good market plum; mid-June. Hardest and most prolific of the Japan varieties.



**Burbank.**

**OUR FRUIT TREE PRICES**  
By Express at Purchaser's Expense

	Size	Per 1	Per 10	Per 100
Apples	4-6 ft.	\$0.65	\$5.50	\$50.00
Crab Apples	4-6 ft.	.75	7.00	65.00
Apricots	5-6 ft.	.65	6.00	55.00
Cherries, selected	5-6 ft.	1.00	9.00	85.00
Compass Cherry	4-5 ft.	1.00	9.00	85.00
Peaches	5-6 ft.	.60	5.75	52.50
Pears	5-6 ft.	.70	6.50	60.00
Plums	5-6 ft.	.85	8.00	75.00

**BEE SUPPLIES**

You will find a full list of BEE SUPPLIES on pages 77-78. We handle the A. I. Root goods, which we consider the best on the market in point of workmanship and material used. There is a good profit in Bees.



# SMALL FRUITS

For  
Mildew  
use  
Grape  
Dust  
Page 69

## GRAPES

There is scarcely a yard so small, either in country or city, that room for one to a dozen or more grape vines cannot be found. They do admirably trained up to the side of any building or along the garden fences, occupying but little room and furnishing an abundance of the healthiest of fruit. Make the soil mellow and plant the vines somewhat deeper than they stood in the nursery. Plant about 8 feet apart by the fence or building. For vineyards make rows 8 feet apart, 6 to 10 feet in rows.

**Note: Our grape vines are all strong, well rooted plants.**

**BRIGHTON—Red.** Bunches and berries large, dark red color, fine rich flavor, juicy and sugary. Almost seedless pulp, quality very fine. Extremely hardy, bears abundantly and stands the heat of summer well. Ripens extra early. **Price: 30c each; \$3.00 per doz., by express.**

**CONCORD (Black)**—Too well-known to need much description; is considered by many to be the best all around grape grown; is extremely hardy, vigorous and productive, bunches large, compact; berries large, juicy, buttery and sweet; and will succeed well almost anywhere. **Price: 25c each; postpaid. \$2.50 per dozen, by express.**

**MOORE'S EARLY (Black)**—Bunch large, berry round with a heavy blue bloom, quality said to be better than Concord; hardy and prolific; a good market berry; ripens about two weeks before Concord. **Price: 35c each; postpaid; \$3.50 doz., by express.**

**POCKLINGTON (Green)**—Pale green usually with tinge of golden yellow where exposed to the sun; bunch large, very compact, very large; flesh juicy, sweet, with considerable pulp. Vine a moderately good grower, but very healthy and very hardy, it buds notwithstanding severe cold even better than Concord. It produces a heavy crop of fine showy clusters. **Price: 25c each; postpaid. \$2.50 per doz., by express.**

**NIAGARA (White)**—One of the leading sorts; bunch large, shoulder, compact; berry large, yellowish, white, juicy, vinous and sprightly, quality good; skin tough. **Price: 25c each; postpaid. \$2.50 doz. by express.**

**WORDEN (Black)**—Bunch, large, sometimes shouldered, compact; berries very large, skin thin. Ripens 5 to 10 days earlier and fully equals Concord in vigor and productiveness. **Price: 30c each; postpaid. \$3.00 per doz., by express.**

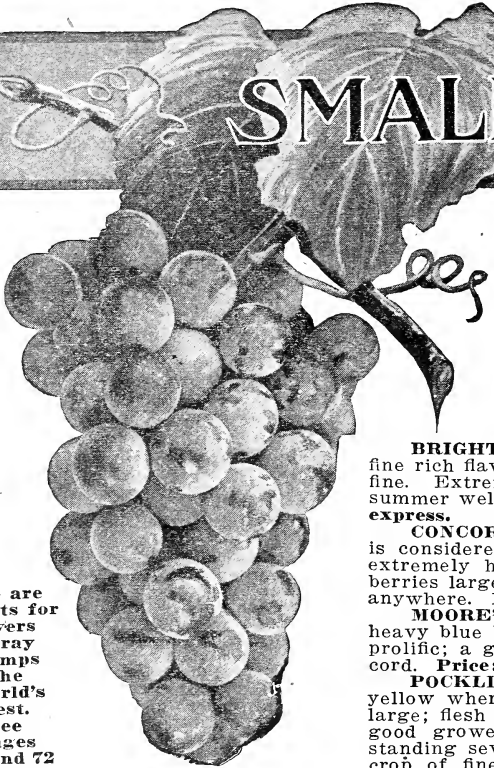
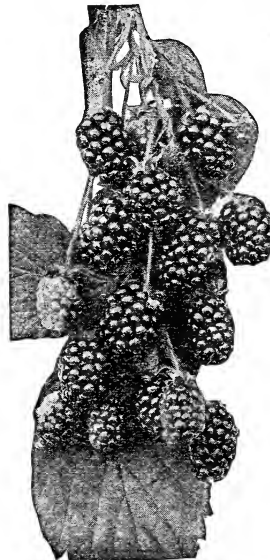
## BLACKBERRIES

Plant in rich soil and a little shade, among trees, or on north side of trees or fence, if possible.

Of all the varieties tested, the Snyder has proven the hardest.

**SNYDER**—Medium size sweet and good, strong grower, productive, extremely hardy; fully proven its value. After all the experience we have had with blackberries we are thoroughly convinced that this is the berry for the West and Northwest. Should be universally planted. **Price: 15c each; 6 for 80c; postpaid. \$1.00 per dozen, by express.**

**BLOWER**—A splendid new sort. Large size, jet black, good shipper, best quality, unexcelled productiveness. **Price: 15c each; 6 for 80c; postpaid. \$1.00 per dozen, by express.**



We are  
agents for  
Myers  
Spray  
Pumps  
The  
World's  
best.  
See  
Pages  
71 and 72

## GOOSEBERRIES

Plant in good rich soil in rows 5 feet apart by 3 feet in the row, and give a liberal dressing of manure every season. Regular pruning every year is essential for the production of fine fruit. The English varieties especially do the best in partial shade and should be heavily mulched.

**DOWNING**—An old and well-known variety. Fruit large and handsome, pale green, of fine quality. A strong, vigorous grower, seldom affected by mildew. One of the best. **30c each; postpaid. \$3.00 per dozen, by express.**

**HOUGHTON**—Fruit small to medium, pale red, of fine flavor. Plants of slender, spreading growth and enormously productive. **25c each; postpaid. \$2.50 per dozen, by express.**

## CURRANTS

Hardy, easily cultivated, stand neglect well, and liberally responds to cultivation and generous treatment; indispensable for jellies, etc. Set four feet apart in rich ground; cultivate well or mulch heavily; prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears dust with He-Bo. All plants well rooted and strong.

**CHERRY**—Berries sometimes more than half an inch in diameter, bunches short, vigorous and productive when grown on good soils and well cultivated.

**FAY'S PROLIFIC**—The leading market variety; bunches and berries large and uniform in size, easily picked; exceedingly productive.

**VICTORIA**—Large, bright red; berries medium size, of excellent quality. Erect grower, very productive. Ripens late, a valuable sort.

**WHITE GRAPE**—Very large, yellowish white, sweet or very mild acid. Excellent quality and valuable for the table. Productive.

**WILDER**—One of the strongest and most productive. Bunch and berries very large, bright, attractive red color, even when dead ripe; hangs on bushes in fine condition or handling until very late. A valuable market sort.

**Prices: All currants, 35c each; postpaid. \$3.00 per dozen, by express.**



**RASPBERRIES**

It is difficult to transplant one year plants. Two year plants transplant easily and are cheapest in the end. Plant on strong soil, manure freely, cultivate well, and mulch heavily. Moisture must be retained in order to grow raspberries successfully. Strong, well rooted plants.

**RED RASPBERRIES**

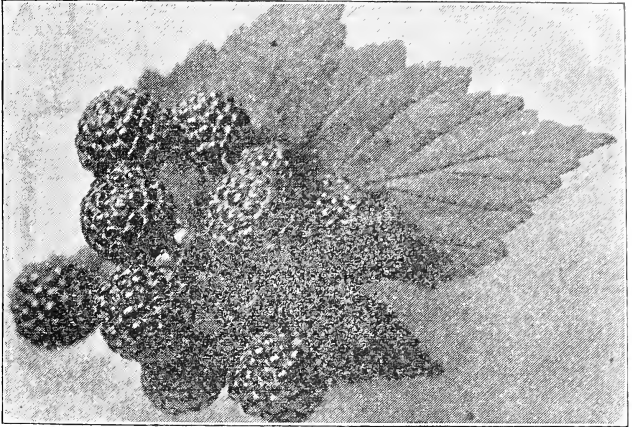
**LOUDON**—The hardest and most productive of red varieties, very large and of the best quality. Price: 15c each; 6 for 80c; postpaid. By express, \$1.00 per doz.; \$6.00 per 100.

**CARDINAL**—This wonderful berry surpasses all by its great growth, extreme hardiness, exceeding productiveness and the unusual richness of its pure flavored, large, purple berries. Price: 15c each; 6 for 80c; postpaid. By express, \$1.00 per dozen; \$7.50 per 100.

**BLACK RASPBERRIES**

**CUMBERLAND**—Largest black raspberry known. Perfectly hardy and vigorous grower. For productiveness nothing exceeds it. In quality rich, sweet and luscious, a mid-season variety. Price: 15c each; 6 for 80c; postpaid. By press, \$1.00 per doz.; 6.00 per 100.

**KANSAS**—Strong, vigorous, standing extreme drought and cold, and bearing immense crops. Early berries, jet black and of best quality. Price: Same as Cumberland.



Raspberries, Kansas Black.

**EVERBEARING RED RASPBERRIES**

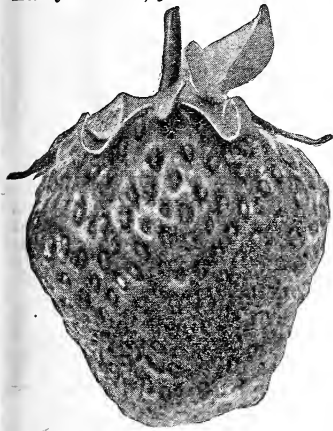
**ST. REGIS**—Plants set early in April gave berries June 20th of the same year, and the canes continued to produce ripe berries freely until the middle of October. In addition to the bright crimson color and large size of the fruit, it is so firm and rich in sugar that it will stand shipping 200 miles, can readily be kept in perfect condition for several days after being gathered. It succeeds upon all soils, whether light and sandy or cold and heavy clay, and the canes are absolutely hardy. Price: 15c each, 6 for 80c, postpaid; by express, \$1.25 per doz., \$8 per 100.

**STRAWBERRIES**

The Strawberry has been styled the queen of fruits. It is the first to ripen and the quickest to come into bearing.

These should do well in any ordinary farm or garden soil. The ground should be well prepared. For field culture set in rows three feet apart, and from 12 to 15 inches in the row. For garden 15 inches apart each way. In winter a covering of straw or old hay will protect the plant. Do not cover until the ground is frozen. Strawberry plants cannot be shipped by freight to distant points, but should go by express or parcel post to insure safe arrival.

**SENATOR DUNLAP. Medium Early, Perfect**—This is the most popular strawberry in all sections of the United States. It produces immense crops of dark red, top-shaped berries of medium size to large size. Few varieties bear fruit of such uniform size and color. Stands universally as a leading commercial strawberry and succeeds equally well all over the country. Price: 25c doz.; \$1.25 per 100 postpaid. By express, \$1.00 per 100; \$7 per 1,000.



Dunlap.

**BEDERWOOD. Early, Perfect**—This is generally considered to be one of the very best early varieties for home use or market. It is a splendid grower, making a large number of strong runners. It has a perfect blossom and is exceptionally productive. The fruit is of good size, light red, medium firmness and good quality. One of the best to plant with Warfield.

**KLONDIKE. Early, Perfect**—The most popular of all Southern varieties. Berries good size, regular shape and very attractive, bringing top prices on any market. Extra valuable for long distance shipping.

**BRANDYWINE. Very Late, Perfect**—Blood red, great yielder of large, round berries, fine quality, having a delicious flavor; makes plenty of good, strong, well-rooted plants. If you are looking for a No. 1 canning berry or for table use, we would recommend the Brandywine. A good shipper.

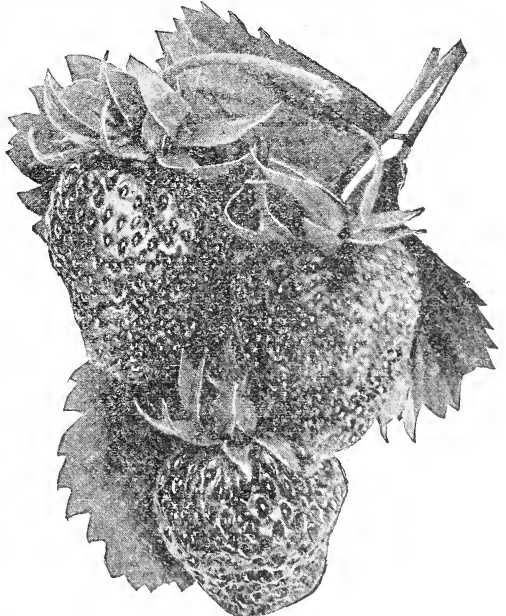
Price of all above strawberries, except Senator Dunlap, 30c per doz.; \$1.50 per 100; postpaid. By express, \$1.25 per 100; \$10 per 1,000.

**EVERBEARING STRAWBERRIES**

Strawberries that yield fruit continually from May until frost have been known for a long time. The new cultivated sorts were originated by cross-pollinating these wild everbearing Alpine sorts with our standard varieties and combining the everbearing habits of the one parent and the size and quality of the other.

We have been testing the different varieties of everbearers for several years on our own grounds and offer to our patrons the best.

**PROGRESSIVE**—This berry is one of the best for home use. It is a good-sized, smooth, red berry. Plants are strong, vigorous and very prolific. Fruits all season with a heavy late season yield. Price: 50c per doz.; postpaid; \$2.50 per 100; by express.

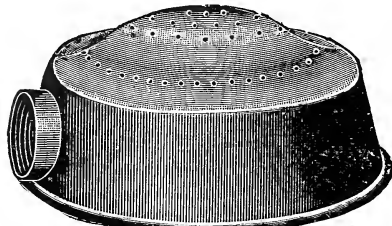


Progressive.

There is no embargo on our Gooseberry or Currant Bushes. They are all guaranteed to be grown west of the Missouri River, hence we are at liberty to ship East or West.

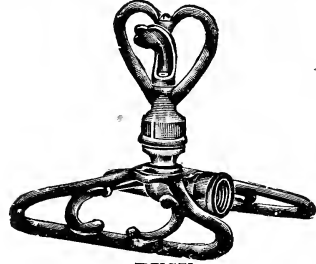


**LAWN SUPPLIES**



**BABY RING**

As gentle and even as the rain drops. Top made of brass; bottom heavy galvanized iron. Price: Postpaid, 75c; not postpaid, 60c.



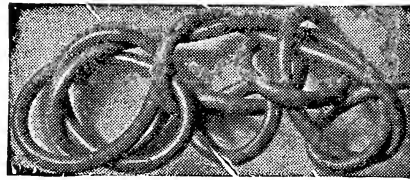
**BUSY**

As the name implies, is always busy. Top, galvanized iron, base steel. Price: Postpaid, \$1.25; not postpaid, \$1.10.



**WOODEN HOSE MENDERS**

1/2-in. and 3/4-in. only. Price: Per dozen, 1/2-in., 30c; postpaid, 35c; Per dozen, 3/4-in., 35c; postpaid.



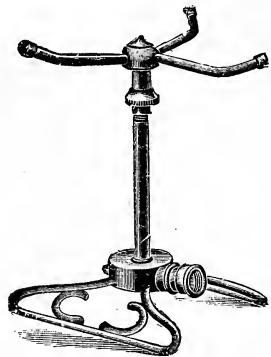
**GUARANTEED LAWN HOSE Non-Kinkable**

Light—Strong—Flexible  
An indestructible moulded hose for Lawn, Greenhouse, Stable, Garage. Of braided construction; cannot unwrap, kink or burst. Made in continuous lengths up to 500 feet, which gives you any length you want and avoid leaky couplings. 1/2-inch, 18c per ft.; 3/4-inch, 20c per ft.; 1-inch, 22c per ft.

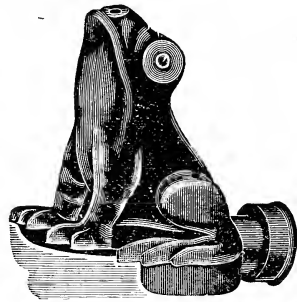
**REGULAR GUARANTEED HOSE**

Will be replaced if not satisfactory.  
3/8-inch 5-ply Elm Garden Hose in 50-ft. lengths complete with fittings, \$7.50.

Hose Gaskets (rubber washers) doz., 10c.



**ANACONDA**—One of the best Lawn Sprinklers. Arms can be adjusted to throw the water any distance desired. Price: Postpaid, \$1.80; not postpaid, \$1.65.



**THE "FROG" SPRINKLER**

The Frog Sprinkler is a novelty which we have just added to our line. It is a one-piece iron sprinkler. It throws a generous, finely distributed spray and, having no loose parts, it cannot get out of order.

The Frog is painted green with gilded eyes and is attractive on any lawn.

It stands 4 1/4 inches high on a sled, allowing it to be dragged over the ground without tipping over. Price: \$1.15, postpaid; \$1.00, not postpaid.



**JUSTRITE SPRAY NOZZLE**

**JUSTRITE NOZZLE**  
Regular Hose Nozzles. Price: postpaid, 80c; not postpaid, 70c.

**BEAUTIFUL LAWNS**

A rich velvety lawn with a background of Beautiful Ornamental Shrubs enhances the value of a home and gives to it the natural artistic setting that we so much admire.

**TO MAKE A GOOD LAWN**—Nothing is more easily made and kept in order by a little well-directed care. To get grass seed up quickly and evenly the surface must be mellow and level with at least six inches of good black soil. Sow one pound of Griswold Special Lawn Mixture to every 400 square feet and rake the seed in and roll well, or use a wide board until soil is uniformly firm.

**LINCOLN BRAND LAWN GRASS MIXTURE**

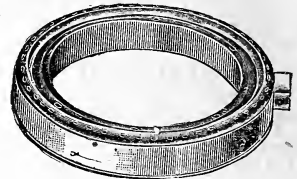
A mixture adapted to our hot, dry climate. It is composed of Blue Grass, White Clover, and several other best lawn grasses. Some of these come early, some grow best during the summer, some grow well in the shade while others make their growth in the fall. In this way one has green grass the whole season. One pound covers 400 square feet (a space 20x20 feet) for new lawns, and half this amount for re-seeding old ones. For price see colored price sheet enclosed.

**FANCY KENTUCKY BLUE GRASS**

Best grade of fancy, clean, new crop tested seed. For price see colored price sheet enclosed.

**WHITE CLOVER**

This is just the seed to sow on the bare spots in your yard or lawn where a very quick green covering is desired as it will cover better in ten days' time than grass seed will cover in two months. For price see colored price sheet enclosed.



**THE RING LAWN SPRINKLER**

One of the Really Good things. Made entirely of brass. No moving parts. Nothing to get out of order. More beautiful than a fountain; more efficient than a shower. Price: Postpaid, \$1.05; not postpaid, 90c.



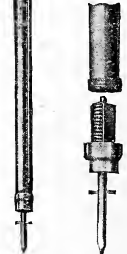
**GALVANIZED STEEL HOSE CLAMPS**

Galvanized Steel H o s e Clamps are made of heavy sheet steel, and galvanized by a superior process which effectually prevents rust within a reasonable length of time.

They are strong and serviceable and have lugs which engage the vise jaws, making it an easy matter to tighten the clamp onto the hose. Price: 1/2, 3/4, or 1 inch size, 7c each; 65c per dozen; postpaid.

**THE IDEAL DANDELION KILLER**

This new Dandelion Killer is a tube 1 inch in diameter and 38 inches long. It has a screw cap at the bottom for filling and a valve which lets out about one teaspoonful of liquid to each plant. Simply fill the tube with gasoline and you can kill the dandelions as fast as you can walk around over the lawn. Price: Postpaid, \$1.15; not postpaid, \$1.00.





**"RED SNAPPER" PLANT FOOD**

**MAKES PLANTS GROW AND BLOSSOM.**

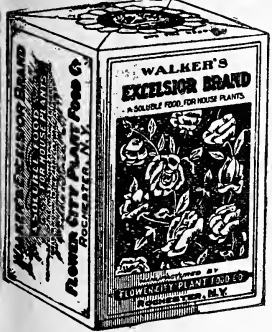
This Plant Food, which is for flowering plants, vines, shrubs, etc., has exceptional merits. We can speak from experience in this regard as we gave it careful tests in our own gardens and greenhouses this past summer. It certainly gives plants a quick, yet sturdy, growth. The blossoms come out more profuse; they are larger in size and richer in coloring. This Plant Food is not the ordinary chemical stimulants generally offered for sale, but an organic fertilizer containing a very rich analysis of Plant Food. It is made from the head bones and nitrogenous cartilage of Red Snapper fish and is dried, sterilized and ground into the finest meal. It is thoroughly clean and sanitary, and can be used in the finest homes and conservatories as well as for outdoor use. We enclose in each box of Plant Food a small package of so-called Plant Tonic, which is used to sweeten soil and put it in better condition to assimilate the Plant Food. We wish every one of our customers would try one or more packages of this article and they will be surprised at the results.



Price: 2-lb. package Plant Food, 60c, postpaid; 50c, not postpaid; 5-lb package Plant Food, \$1.25 postpaid; \$1.00, not postpaid; 14-lb. package Plant Food, \$2.00 by express.

**WALKER'S EXCELSIOR BRAND PLANT FOOD**

Flowers are like people, their health depends upon their food. It must be nourished, but not too rich to force growth and cause reaction. A chemically correct flower food for house plants. It has no odor whatever and can be used dry or dissolved in water for sprinkling. Use it and your flowers will flourish; their health will last. Trial size (enough for 10 plants 6 months), 15c, postpaid. Small size (feeds 25 plants for 6 months), 30c, postpaid. Not postpaid, 25c. Large size (enough for a year for 30 plants), 50c, postpaid.



size (enough for a year for 30 plants), 50c, postpaid. Not postpaid, 46c.

**"RED SNAPPER" PLANT SOAP**

This season for the first time we are placing on the market an exceptionally pure grade of fish oil soap. It is sold under the trade name of "Red Snapper" Plant Soap. It is used as a bath for the flowers, and also used as a spray. When used as a bath, a small quantity is diluted with water in the shape of suds in a pail or tub, and, if convenient, plants are dipped directly into the solution. Ferns and large plants that can not be handled in this way are sprayed with the solution, being careful that the under side of the leaves are thoroughly wetted. With proper dilution the fish oil soap with sulphur and nicotyl is entirely harmless to plants, but death to insects. As this soap combines the three well-established and generally used essentials of insect killing elements, extract of tobacco or nicotyl, sulphur and fish oil soap, it saves the annoyance of keeping several kinds of insecticides on hand. "Red Snapper" Plant Soap, "A Bath for flowering plants" and a sure cure for the insect pests. 30c postpaid; 25c not postpaid.



**REEDS AND RAFFIA**

**For Basket Making**

Raffia is the name given to a long-leaved palm found on the island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in open hanks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining, as it does, softness and flexibility with great strength. The strands average three feet in length; this gives it a decided advantage over splints and grasses.

Besides the natural shade, we have it in 12 different colors, Black, Dark Blue, Light Blue, Purple, Light Brown, Dark Brown, Dark Green, Bright Green, Pink, Bright Red, Dark Red, and White, a sample of which will be mailed upon request.

Colored, per hank, 1 oz.....	\$0.10
Colored, 1/4 lb.....	.40
Colored, 1/2 lb.....	.70
Natural, per hank, 1 oz.....	.05
Natural, per lb.....	.65
Natural, per 4 lbs.....	2.25
Raffia Needles, 6 for.....	.10
Book of Basket Making Instructions, postpaid.....	.35

Add 10c per lb. for postage and packing.

**REEDS (RATTAN)**

Since the recent awakening to the importance of basketry, Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Sizes 1 to 7 are the common sizes, 6 and 7 being used for the coarser work. This is the true natural reeds or rattan which we could not secure during the war, but are now glad to offer.

	Bunch.	1/2 lb.	Lb.
No. 1.....	\$0.10	\$0.85	\$1.60
No. 2.....	.10	.80	1.55
No. 3.....	.10	.75	1.45
No. 4.....	.10	.65	1.25
No. 5.....	.10	.55	1.00
No. 6.....	.10	.50	.90
No. 7.....	.10	.45	.85

Add 10c per lb. for postage and packing.

**FLAT REEDS**

size 3/4 inch....Bunch, 10c; 1/2 lb., 55c; lb., \$1.00



**CONCENTRATED TABLETS**

**A New Scientific Concentrated Fertilizer for Potted Plants and Vegetables.**

Takes the place of liquid manure. Used by dissolving in water. It starts the plants at once into healthy and vigorous growth and makes them bloom luxuriantly. Trial size box sufficient for 10 house plants for 3 months. 10c postpaid. Regular size box, sufficient for 35 plants for 3 months, 25c postpaid.

**SPRAYING UNDER THE LEAVES KILLS THE INSECTS**

A Cake of Tobacco Soap free with each Sprayer

**PRICE 50c.**

**FOR THE ROSE BUSHES AND GARDEN PLANTS**  
Will reach Vines ten feet high  
Just lovely for the flower bed.  
If you like flowers, you need this Sprayer.



**FOR INDOOR SPRAYING UNDER THE LEAVES**

A mist like spray covering every part of the plant,  
**THE THING LONG NEEDED**  
Just what mother was long looking for.  
Excellent for seeds newly sown they will not wash out to the surface.

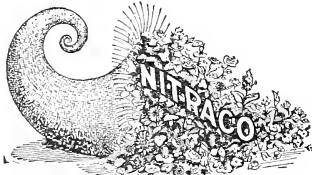
**HAVE ONE COME WITH YOUR SEEDS**

ADD 10c TO ABOVE SPRAYER FOR POSTAGE.



# High Grade Fertilizer and Lawn Dressing

Gardeners and owners of lawns in the Middle West country have not yet comprehended the importance of intelligent application of fertilizers. Too often they, knowing the need of something, blindly try this and that at much expense and without results. The following is a list of fertilizers we have on hand at all times. We fully recommend these. Write us for quantity prices.



## NITRACO

NITRACO has been evolved after years of study of the Fertilizer business and the demands of the gardening public, and is designed to be the most perfect and complete Fertilizer placed upon the market. It is so compounded that it may be termed the "Universal Fertilizer" and can be applied with safety to any soil in any climate, to "ANYTHING THAT GROWS". The only precaution that is necessary is in the quantity to be applied, and this is set forth in our circulars and on the bags, cartons, etc. Care, however, should be exercised to never heavily increase the quantities stated, but rather to apply often and regularly once a month, and upon strong growing plants every two weeks. NITRACO is packed in 1-lb. and 5-lb. cartons or 5-lb., 25-lb., 50-lb. and 100-lb. heavy drill and burlap bags, and is sold at the following prices: Analysis: Ammonia 4 per cent, phosphoric acid 8 per cent, potash, 2 per cent.

1 lb. carton, postpaid.....	\$0.35
5 lb. carton postpaid.....	.85
10 lb. bags, not postpaid.....	1.50
25 lb. bags, not postpaid.....	2.50
50 lb. bags, not postpaid.....	4.50
100 lb. bags, not postpaid.....	7.90

## STEAMED GROUND BONE

THE FINEST OF STEAMED BONE

Analysis: Ammonia, 2.5 per cent; Phosphoric Acid, 1.5 per cent; Potash, 1.5 per cent.

This is finely ground and of first quality; it starts to decompose quickly so results from its use are soon apparent but it does not dissolve so fast as most chemical fertilizers so it continues for a long period its improvement in the soil fertility; it is less likely than other fertilizers to leach or waste. With bone there is no danger of burning the plants. It contains 23 per cent Phosphoric Acid, one of the principal plant foods. Use 3 to 5 pounds of bone meal for each tree and vine when setting out, working it in well around the roots.

**For New Lawns,** use 500 lbs. of bone meal with a ton of sheep manure per acre. This should be plowed under or spaded in, several weeks before sowing the seed. Old lawns, top dress very early in Spring with sheep manure and bone meal mixed, at the rate of 2,200 lbs. per acre or 50 lbs. per 1,000 square feet.

**Field and Garden Crops,**  $\frac{3}{4}$  to 1 ton broadcasted and harrowed in. This is especially desirable for use with sheep or cattle manure which is rich in nitrogen.

### PERMANENT PASTURES AND MEADOWS

Use  $\frac{1}{2}$  to 1 ton per acre before growth starts in the spring. This will stimulate the growth of the plants and result in improving the stand. Its effect will be apparent for several years. Price: 4 lbs., 25¢; 50 lbs., \$2.70; 100 lbs., \$5.25. By express or freight.

## SPECIAL LAWN FERTILIZER

Analysis: Ammonia, 2.5 per cent; Phosphoric Acid, 1.5 per cent; Potash, 1.5 per cent.

This is a splendid, complete fertilizer containing the necessary plant foods and is also rich in humus, or vegetable matter. It is excellent for general use either alone or in combination with other special purpose fertilizers. Having been kiln dried, there is little danger from weed seeds. It can be used freely as it is not likely to burn anything. Part of it is very soluble so its effects are usually apparent soon after the application and for a long time afterwards. It is carefully selected, dried, pulverized and screened.

**For Lawns.** Our Special Lawn Fertilizer is a fine fertilizer for the lawn. It should be applied by sprinkling lightly over the grass much as one would sow grass seed, in the Spring and up to July 15th. It re-

quires no raking in. The color is not conspicuous and there is no objectionable odor. This will nourish the grass, act as a mulch, and tend to prevent the lawn from burning in hot weather. Use 50 lbs. per 1,000 square feet or 25 lbs. with 25 lbs. of bone meal. See note on bone meal.

**For the Garden.** After the crop has been harvested in the Fall, the garden should be given a good coating of Special Lawn Fertilizer. In the Spring put on another light coat and turn it under, or sow lightly in the rows.

**For Public Parks.** Special Lawn Fertilizer is used on some of the best public parks in this country, including the beautiful park system of Minneapolis.

**For Truck Garden.** Special Lawn Fertilizer is a good fertilizer for the truck garden producing better and earlier crops of onions, celery and other vegetables. Price: 1b., 5c; 5 lbs., 20c; 10 lbs., 35c; 25 lbs., 75c; 50 lbs., \$1.50; 100 lbs., \$2.50; 500 lbs., \$9.50; 1,000 lbs., \$18.00; ton, \$34.00. By express or freight.

## NITRATE OF SODA

THE UNIVERSAL TOP DRESSER

Analysis: Nitrogen 15 per cent; equal to Ammonia 18 $\frac{1}{4}$  per cent

Quick in action; used for the nitrogen it contains. It creates rapid growth, is odorless, and entirely soluble. It should be applied only when the plants are above ground, usually in combination with other chemical fertilizers.

Nitrogen is the most important element in the production of plant life. When this has become exhausted from the soil, it must be replaced to again insure productivity.

Nitrate of Soda is the best form in which nitrogen can be restored to the soil. It is of special value for early crops such as Peas, Corn, Beets, Cabbage, etc., when rapid maturity is essential, and of great benefit to hay and forage crops, which are unable to obtain sufficient nitrogen from the soil when they most need it. Nitrate of Soda is a great stimulant for the production of Sugar Beets, Potatoes and Sorghum, also small fruits that need a steady, even growth to promote uniform maturity. Price:

1 lb. tin, postpaid.....	\$0.35
10 lb. bag, not postpaid.....	1.40
25 lb. bag, not postpaid.....	2.50
50 lb. bag, not postpaid.....	5.00
100 lb. bag, not postpaid.....	7.50

## SWARD FOOD

Sward Food is a Top Dressing prepared to feed the grasses and insure a thick and matted growth of rootlets, resulting in a compact and velvety turf. It also acts as a preventive and destroyer of the Antler or Grass Moth, and contains in soluble form the organic requisites for the healthy and luxuriant growth of all varieties of grasses. **Don't cover your lawn with unsightly and offensive stable manure.**

**To Revive Old Grass Around the House,** rake off the dead grass and scratch the ground with an iron-tooth rake. If there are any bare places, sprinkle in a little mixed grass or lawn seed, then roll or tread spots. Apply a light dressing of "Sward Food" occasionally. **Approximate quantity to be used:** For say 2,000 square feet, 25 lbs.; per acre, 600 to 1,000 lbs. It is put up to suit the small front yard, the little flower bed, the garden patch, or the magnificent lawn: 5 lb. packages; 10 and 25 lb. bundles. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.75. By express or freight.



SPRINKLE IN A LITTLE MIXED GRASS OR LAWN SEED, THEN ROLL OR TREAD SPOTS. APPLY A LIGHT DRESSING OF "SWARD FOOD" OCCASIONALLY. APPROXIMATE QUANTITY TO BE USED: FOR SAY 2,000 SQUARE FEET, 25 LBS.; PER ACRE, 600 TO 1,000 LBS. IT IS PUT UP TO SUIT THE SMALL FRONT YARD, THE LITTLE FLOWER BED, THE GARDEN PATCH, OR THE MAGNIFICENT LAWN: 5 LB. PACKAGES; 10 AND 25 LB. BUNDLES. PRICE, 5 LBS., 45c; 10 LBS., 85c; 25 LBS., \$1.75. BY EXPRESS OR FREIGHT.

If your soil is worn out or poor, use Fertilizer. Make every foot of your land pay a dividend.

**PRICE OF ALL FERTILIZER SUBJECT TO CHANGE**





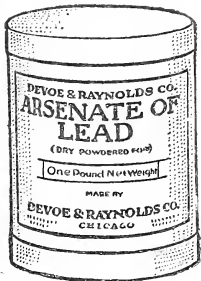
# Devoe & Raynolds Spray Mixture and Insecticides



**PARIS GREEN.**  
An insoluble, poisonous powder for potato bugs, codling moth, worms, caterpillars, slugs and bugs. Applied as a powder it should be mixed with plaster or flour, 160 parts to 1 part of Paris Green; in solution mix 1 pound in 200, to 300 gallons of water. **Price:** ¼ lb. pkg., 25c; ½ lb. pkg., 46c; 1 lb. pkg., 75c; 5 lb. pkg., \$3.50.

**ARSENATE OF LEAD—POWDERED.**  
May be used as either a dust diluted with hydrated lime, plaster or road dust, or as a liquid spray with water, lime-sulphur, solution of Bordeaux, only half the weight is needed as of the paste form. **Price:** ½ lb., 35c; 1 lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.66; 25 lbs., \$11.25; 50 lbs., \$21.00.

**ARSENATE OF LEAD—PASTE.**  
A poison taking the place of Paris Green. Its advantages are that it adheres to foliage, does not readily wash off by rain and does not injure tender foliage. It is white in color and shows just where it has been applied. **Price:** 1 lb. tin, 35c; 5 lb. tin, \$1.50; 12½-lb. pail, \$3.00; 25-lb. bucket, \$6.00; 50-lb. bucket, \$11.00.

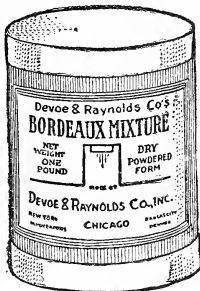


**BORDEAUX—POWDERED.**

Requires 1 to 1½ pounds to 10 gallons of water as fungicide spray. **Price:** 1 lb., 30c; 5 lbs., \$1.35; 10 lbs., \$2.25; 25 lbs., \$5.00; 50 lbs., \$9.50.

**CALCIUM ARSENATE.**

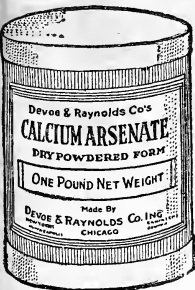
Is very light and fluffy—when used for dusting will go farther than Paris Green or Arsenate of Lead. If mixed with water for spray purposes will hold in suspension, permitting an even and equal distribution so necessary for effective control of insects. Used in the same manner and for the same purposes as Paris Green or Arsenate of Lead for garden pests Calcium



Arsenate sells for considerably less than Arsenate of Lead or Paris Green. It will pay you to use Calcium Arsenate and protect your crop and pocketbook. ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50; 25 lbs., \$7.50.

**LIME SULPHUR SOLUTION.**

For scale insects on trees and such fungus bark diseases as can be treated in winter. Dilute and, apply with a spray pump while trees are dormant, in fall, winter or spring. Can be used strong during mid winter, but earlier or later dilute it 1 gallon to 30 to 40 of water. **Price:** Quart can, 25c; ½ gal., 40c; gallon, 75c; 5-gallon can, \$2.75. Write for barrel prices.



**SURE NOXEM—POWDER FORM.**

**Insecticide—To Most Leaf-Eating Insects.**  
One of the best vegetable insecticides in use. Specially recommended for destroying worms and insects.

**What To Use It On.**

Cabbage, Cauliflower, Tomato Plants, Cucumber Vines, Melon Vines, Currant Bushes, Gooseberry Bushes, Vegetables and Flowers of all kinds attacked by leaf-eating insects. **Price:** 1 lb., 20c; 5 lbs., 60c.

**NICO-FUME LIQUID.**

For fumigating or spraying; contains 40 per cent nicotine. **Price:** ¼ lb., 65c; 1 lb., \$2.00; 4 lbs., \$7.50; 8 lbs., \$14.50.

**"BLACK LEAF 40"**

Very effective for sucking insects such as plant lice, red spider, leaf hopper, thrip, etc., sprayed on. Dilute 2 teaspoonfuls to a gallon of water. It also forms a splendid spray for both insects and fungus with Bordeaux. **Price:** 1-oz. bottle, 25c; ½-lb. tin, \$1.00; 2-lb. tin, \$3.25; 10-lb. can, \$13.75.

**SLUG SHOT.**

Just dust it lightly on the plants. It kills potato bugs, cabbage worms, melon, squash and cucumber bugs. Non-poisonous and harmless to all creatures except insect life. **Price:** 1 lb. can, postpaid, 25c; not postpaid, 20c; 5 lbs., not postpaid, 60c; 10 lbs., \$1.00.

**HAMMOND'S GRAPE DUST.**

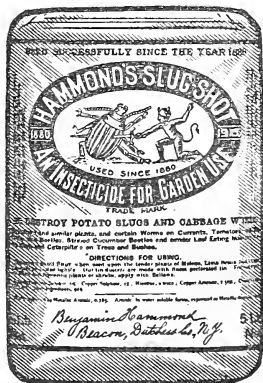
Kills certain mildews and blights on Flowers or Fruits, Roses, Chrysanthemums, Violets, Grapes, Gooseberries, Musk Melon, Onion Smut, Rust Mite on the Cabbage, Rust or Mildew on Parsley and on any plant. Grape Dust is a practical, economical and usually effectual remedy. The application is to be made by dusting the diseased portions of the plant. **Price:** 1-lb. can with perforated top, 30c postpaid; not postpaid, 1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.40.

**BUG DEATH.**

This is a powder used for killing any bug or worm that eats the foliage or flowers of any plant. It is absolutely harmless to plant or animal life, thus making it a safe poison. Can be used dry or with water. For best satisfaction should be used when the tender shoots come. **Price:** 1-lb. package, postpaid, 25c; not postpaid, 18c; 3-lb. package, not postpaid, 45c; 5-lb. package, 60c; 12½-lb. package, \$1.25; 100-lb. keg, \$8.50.



Reg. U. S. Pat. Off.



Cannot be Sent by Mail Unless Postpaid Prices are Given.

Prices of Insecticides and Spray Mixtures Subject to Change.



## Pest Exterminators

The postal laws of our land are such that we cannot send poisonous exterminators through the mails. We suggest that if you wish any of the small packages that you include them with your seed order and have them sent by express. Where we say postpaid we also mean prepaid.



### STERLINGWORTH CUT WORM KILLER

We now offer **STERLINGWORTH CUT-WORM KILLER** as a preparation which is quick and sure in effect and non-poisonous to animal. It is so alluring to Cut Worms that they are irresistibly attracted to it and eat it in preference to any vegetation. Dead Cut Worms may be seen wherever there are Cut Worms and Sterlingworth Cut Worm Killer has been used. To protect

plants in hills, sprinkle a small quantity of Killer around the plant. When in rows, sprinkle both sides of row. Never sprinkle the plants with Sterlingworth Cut Worm Killer, for the worm will climb for it and is likely to destroy the plant in reaching the Killer. Order Sterlingworth Cut Worm Killer when you buy your seeds and, have it on hand ready for use at the right time. The cut worm does most of his damage in one or two nights and he will not wait for you. One pound is sufficient for 175 plants when in hills and 100 lineal feet when in rows. **Satisfaction guaranteed or money refunded.** It is a coarse powder for sprinkling near the plants to be protected. Chickens and birds are not poisoned by it if they eat the dead worms. There is no guesswork about it doing the business. **Price, 1 lb., postpaid, 40c; not postpaid, 35c; 5 lbs., not postpaid, \$1.35; 25 lbs., \$5.50.**

#### KEROSENE EMULSION.



This is a safe and sure remedy to kill all sucking insects, that is those which get their nourishment through a proboscis, which they insert into the leaves or bark. **Price, qt., 60c; gallon, \$1.35; by express.**

#### FISH OIL SOAP. (Whale Oil Soap.)

A wash for insects and eggs on the bark and for smearing the trunks of trees to prevent worms from crawling up. **Price, 30c per lb. (mail weight, 2 lbs.); 5 lbs., \$1.35 (mail weight, 6 lbs.); 10 lbs., \$2.50.**

#### HE-BO.

##### Substitute for Hellebore.

We know of no powder more satisfactory for use against rose slugs, currant worms, cabbage worms, and many other leaf-eating insects where a milder poison than Paris Green is desired than **Sterlingworth He-Bo**. It is not intended as a spray but is for dusting on the vegetation to be protected. For many uses it is superior to the Hellebore generally sold for killing insects. Put up in sprinkler top boxes ready for using. **Prices, ½ lb., 35c; 1 lb., 55c, postpaid; not postpaid, ½ lb., 30c; 1 lb., 45c; 10 lbs., \$4.00.**

## RAT CORN



If you have rats or mice use **Rat Corn**. No matter whether you have one rat or a thousand **Rat Corn** will do the work. One can of **Rat Corn** is better than a dozen cats. It mummifies your rodents; they leave no

odor; become hard and dry like leather. It is not dangerous to handle. Harmless to human beings. **Priced in three sizes: 30c, postpaid; not postpaid, 25c, 57c, postpaid, not postpaid, 50c; \$1.10, postpaid; not postpaid, \$1.00.**

**PRICES DO NOT INCLUDE POSTAGE, EXPRESS OR FREIGHT EXCEPT WHERE NOTED.**

#### ANT DRIVER.

This is effective against most of the known species, especially the small red and black ant, which are most troublesome in this country. **Price, postpaid, 40c; not postpaid, 30c.**



#### SULPHO-TOBACCO SOAP.

Is a powerful agent for the destruction of all bugs and insects. Of special value for spraying roses, shrubs and vines. One or two applications will rid plants of the pests. Full directions with each cake. **3-oz. cake makes 1½ gallons, 14c, postpaid; 8-oz. cake makes 4 gallons, 29c, postpaid; 10-lb. cake makes 80 gallons, \$3.00, by express, your expense.**

#### TOBACCO DUST.

One of the best remedies for green and black aphid, fleas, beetles, etc., also for insects in the ground. **Price, 1 lb., postpaid, 25c; not postpaid, 1b., 15c; 5 lbs., 50c; 10 lbs., 75c; 50 lbs., \$3.50; 100 lbs., \$6.00.**

#### STERLINGWORTH TARRED FELT DISKS.

For use around the stalks of Cabbage and Cauliflower plants when first set as a preventive against the root maggot or cut worm. They are used by fitting closely around the plant and pressing down tightly to ground. Ordinary tarred paper is useless. Our disks are made the right shape from the right material and are free from those imperfections which might permit the fly to find a place for depositing eggs. They are recommended by all agricultural experiment stations and give practically 100% protection. **Prices, 100 for 50c, 1,000 for \$2.75; postpaid.**



#### NOX-EM-ALL GOPHER TABLETS.

**Kills Pocket Gophers, Ground Squirrels, Prairie Dogs, Ground Hogs and Other Rodents.**

Don't let the Pocket Gophers ruin your alfalfa fields. Don't let the Ground Squirrels spoil your corn stand. Don't permit the prairie dogs to lay waste your fields that would otherwise produce crops. **It's easy to poison them.** A little time in the early spring will rid your farm of these destructive pests. **NOX-EM-ALL GOPHER TABLETS** are the most effective poison we know. They are **sure death** to Pocket Gophers, Ground Squirrels, Prairie Dogs, Ground Hogs and other field Rodents. They are made of tidbits especially attractive to these pests which eat them greedily. **They are easy to use—sure in results.** Buy them—use them and save your crops. Directions printed on each package. **Put up in two sizes: 200 tablets, postpaid, 55c; not postpaid, 50c. 500 tablets, postpaid, \$1.10; not postpaid, \$1.00.**



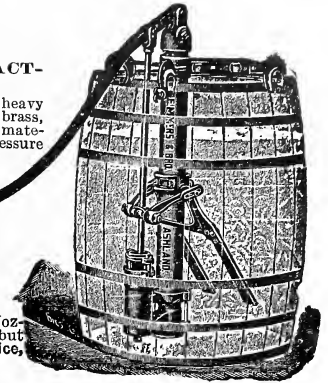


# Sprayers

## MYER'S DUPLEX BACK GEARED DOUBLE ACTING SPRAY PUMP.

**No. R-316-B.** This pump is built especially for heavy work. The 2-inch cylinder is brass lined. The plunger is brass, hemp-packed, and piston rod is brass. You can use any material hot or cold. It is fitted with large air chamber pressure gauge, with 50-gallon barrel mounted on skids with pressure gauge. One 15-foot lead of 1/2-inch 7-ply discharge hose, one Fembro Nozzle, one 8-foot pipe extension with lever shut-off, and mechanical agitator. Special features of this outfit are cog gear movement, increased leverage, device for spraying under heavy pressure. Mounted complete, occupying smallest space. Capacity sufficient for eight nozzles. Well adapted for spraying potatoes or other vegetables in rows. Price, complete, \$50.00.

**No. R-309-B.** Same as R-316-B with pressure gauge, 6 feet of suction hose, one 15-foot lead of 3/4-inch 7-ply discharge hose, one Fembro Nozzle, one 8-foot pipe extension but without barrel and skids. Price, complete, \$40.00.

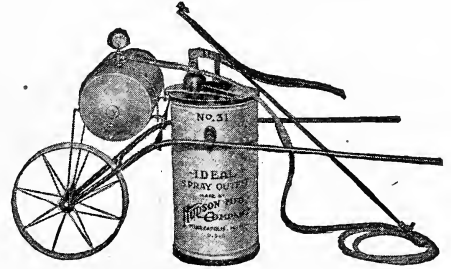


No. 307.

### O. K. SPRAY.

**No. 307.** For hot, cold or any kind of mixture. Has a mechanical agitator, solid brass ram plunger, round bevel valve and seat. A strictly reliable first-class pump for spraying orchards or potatoes. Easily adjusted to barrel of any size. Handle is of wrought steel, so as to enable the operator to get up a pressure of 200 pounds or more. It is fitted for two strings of discharge hose. Price, without hose or nozzle, as cut (without barrel), \$25.00. Two 15-ft. discharge hose and two Fembro nozzles, \$10.00 extra.

### NO. 31. IDEAL SPRAYER.



The original wheelbarrow spraying outfit. One of the most popular "one-man" machines made.

The Ideal is well designed and built for durability and convenience of operation. As light as possible and still allows ample strength in the completed machine. All working parts coming in contact with the liquid are made of brass.

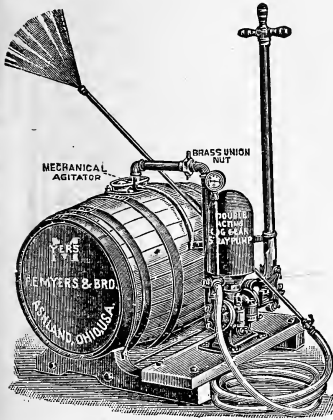
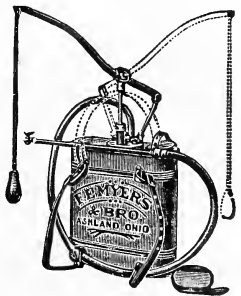
We have this sprayer in two styles, No. 31 with air pressure tank, as shown in cut, and No. 30 without the tank. In using No. 31 you can pump up a pressure of 150 pounds and the machine will operate about five minutes without further pumping. Price, No. 31 with tank, like cut, \$35.00. No. 30, without tank, \$25.00.

### LITTLE GIANT.

**No. 327 1/2.** A Brass Spray Pump complete with agitator hose, fine and coarse spray and solid steam nozzle with malleable foot rest. Will throw a stream 50 feet. 28 inches high, made of 1 1/2-inch brass tube. Price, \$4.75.

### MYER'S KNAPSACK SPRAY PUMP.

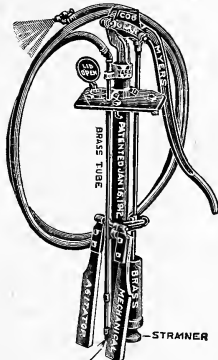
**No. 330-P.** The tank holds five gallons. The pump has a large air chamber, ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. The pump can be removed easily. The pump is also fitted with handle, so the operator can set the knapsack on the ground and work as a bucket pump. The handle lever can be shifted from right to left shoulder at will. Price \$15.00.



No. R-316-B.

### COG GEAR BARREL SPRAY PUMP.

**No. R-318** has bronze ball valve and brass seats. The plunger is brass fitted with hemp packing. Will handle hot, cold or any caustic mixture. The cylinder discharge pipes are all brass. The air chamber is 32 inches in length, enabling the pipe to throw a uniform, constant elastic spray. It has good leverage, is very powerful and is easily operated. The malleable iron base fits an 8x8-inch hole. Price without hose or nozzle or barrel, \$13.00. Fitted with one lead of 15-ft. hose with graduating vermored nozzle, like cut, \$17.50.



No. R-318.

**No. 305-B.** This pump is made in a first-class manner. All parts that come in contact with the liquid are of heavy brass. It can be easily and solidly bolted to any barrel. The air being compressed into the air chamber with a 2-inch all-brass cylinder makes the spray continuous. A mechanical agitator and small jet of liquid from the pump keeps the ingredients thoroughly agitated. It sprays whitewash, kalsomine, water, paints and any other liquid. Fitted with 15 feet of best 5-ply rubber hose, and graduated Vermored nozzle complete as cut (except barrel). Price, \$16.00.



No. 305-B.

### THE MYERS POWER SPRAY GUN.

Length Over All, 24 Inches—Utilizes the Entire Capacity of Any Power Spray Pump and Does Away With All Bamboo Extensions, Nozzles and Fittings.

Its capacity is only limited by the quantity of material discharged by the pump. By a one-third turn of the handle the spray can be adjusted from a long distance spray reaching the top of the tree to an extremely broad spray sufficient to cover the entire tree or shut off entirely. It is furnished with three separate disc designed to deliver the entire capacity of the pump, either 4, 6 or 8 gallons per minute.



Fitted for 3/4-inch Hose Coupling and 1/4-inch Pipe. Price, \$9.00.

### EXTENSION PIPES.

8-foot Iron Extension Pipe.....	\$0.65
8-foot Bamboo Extension Pipe, with cutoff.....	4.25
10-foot Bamboo Extension Pipe with cutoff.....	4.75
12-foot Bamboo Extension Pipe with cutoff.....	5.00

### PIPE EXTENSION FOR COMPRESSED AIR SPRAYER.

Pipe Extension for Compressed Air Sprayer is complete with screw cap and Cyclone Nozzle. Attaches to regular nozzle. When in use the regular nozzle becomes a controlling valve. Pipe Extension complete with nozzle.....\$1.00

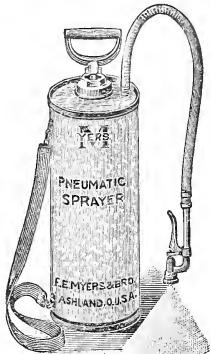


**SPRAYERS SHIPPED BY FREIGHT OR EXPRESS AT YOUR EXPENSE**



SPRAYERS—Continued

COMPRESSED AIR SPRAYER  
No. 296.



Compressed Air Sprayer  
No. 296.

This sprayer is made of heavy galvanized iron with 3/4-inch brass tube cylinder attached to the can by means of a heavy brass screw nut. The cylinder and handle is so attached to the sprayer that it can be carried by the handle if desired and is also easily removed when necessary. The nozzle is adjustable for a broad fine spray or long distance spray, throwing water 25 feet. A very desirable sprayer. Price, \$6.75.

KANT KLOG.

The sprayer holds over 4 gallons. The air pump is made of heavy brass 2 inches in diameter. A safety valve is provided. Special attention is called to the new "Kant Klog." The first and only nozzle ever made, which gives both flat and round sprays or solid sprays. A light pressure of the thumb starts the spray instantly. Price, galvanized steel and 3 feet brass extension rod, \$6.25. Polished brass and 3 feet brass extension rod, \$9.

COMPRESSED AIR  
SPRAYER No. 2.

Will spray all liquid mixtures including Fungicides, Insecticides, White Wash, Disinfectants, etc., whether it be on plants, bushes, trees or in barns, poultry houses or other buildings. This pump is very easily operated and the entire contents used without setting the sprayer down. An occasional stroke of the pump while spraying does the work. The sprayer is made of heavy sheet metal with riveted seams. Diameter 7 3/8 inches, height 19 1/2 inches with a capacity of 3 1/2 gallons. The nozzle has an automatic shutoff. Price, \$6.50.



Compressed Air Sprayer No. 2.

COMPRESSED AIR SPRAYER  
No. 15.

This sprayer is of substantial construction, intended for the same use as the No. 2. It is so constructed that a turn of the handle when engaged in the pump head will attach or detach the pump from the tank or the plunger from the pump. The tank is the same weight, size and capacity as the No. 2. The pump is 2 inches in diameter, made of heavy brass tubing with 3/8-inch steel plunger rod. A very strong, durable pump. Price, \$7.00.

EASY SPRAYER.



This sprayer holds one gallon of liquid, is equipped with automatic shut-off lever nozzle, and made of heavy galvanized iron. Just as good as the larger sprayers only for size. Price, by express, \$2.50.



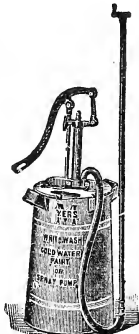
No. 202 MIDGET JUNIOR.

A small, well-made sprayer for household use. Will handle all kinds of liquids perfectly. The pointed nose of the pump, passing through the tank makes it a very strong sprayer. Price, 40c; postpaid. By express, 35c.

Compressed Air  
Sprayer No. 15.

SPRAYER AND PAINT MACHINE.

No. 329. Sprays whitewash, cold water, paints or any liquid. Galvanized tank holds 7 gallons. Pump is made of brass with brass ball valves and malleable handle. It has a patent double agitator and is a most complete and serviceable outfit. Price, \$14.50.



No. 329.

THE B-D SIFTER

Is Ideal for Applying Bug Death Dry and Other Dry Insecticides.

It is the very latest, a remarkably effective and distinctly economical method. Easy to operate and gives quick covering to all plants and vines requiring a top application. Price, 75c each.

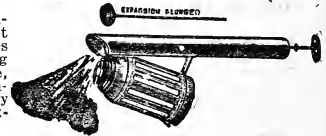


PERFECTION  
SPRAYER.

No. 20. Tank consists of a Mason fruit jar. Its shape causes it to give a churning motion when in use, thus keeping the ingredients thoroughly mixed. Price, by express, 60c.

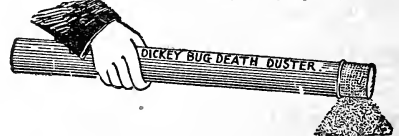
Built on the best lines, of high-grade material and with the idea of turning out a sprayer which has none of the faults and defects so common in many knapsack sprayers. The hose is attached to the sprayer at an angle so that it will not kink and become cracked and broken. The shoulder strap is attached with snaps and can be quickly and easily removed. The hose is 3/8-inch 5-ply cloth inserted and is equipped with our automatic shut-off nozzle. This sprayer will handle Whitewash, Water, Paints, Bordeaux Mixtures, etc., perfectly. These sprayers are made in galvanized steel or brass as ordered. All sprayers tested to 60 pounds before leaving factory.

Prices.  
Galvanized Steel .... \$6.50  
All Brass ..... 9.25



NEW MISTY.

Made of heavy tin; has the same size air chamber as our other styles, and the reservoir holds about one quart and throws a single spray straight ahead. Price, postpaid, 60c; by express, 50c.

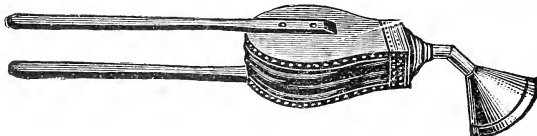


DICKY DUSTER.

For use in applying dry insect powder. Price, 50c postpaid; 45c by express.

ACME POWDER GUN.

Sprays powdered insecticides. It weighs 1 1/2 pounds. Price, by express, \$1.50 each.



PRICES DO NOT INCLUDE POSTAGE, EXPRESS OR FREIGHT CHARGES EXCEPT WHERE NOTED.



# IRON AGE Garden Implements

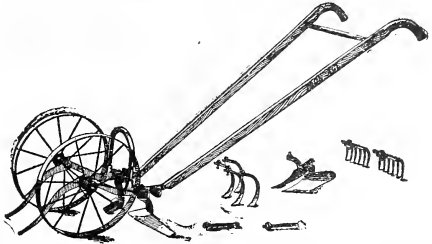


**NO. 306 R. COMBINED DOUBLE AND SINGLE WHEEL HOE, HILL AND DRILL SEEDER.** Packed weight 75 lbs., price \$20.00.

A practical tool for the market gardener; will sow all kinds of seed from Celery to Beans with the greatest regularity. Can be changed instantly from drill to hill-dropper, which will drop seed 4, 6, 8, 12 or 24 inches apart. Complete with cultivators, rakes, hoes, plows.

- No. 306 as cut.....\$19.00
- No. 316 Hill and Drill Seeder only, no tools..... 13.50

**NO. 301 DOUBLE AND SINGLE WHEEL HOE.**  
Packed weight, 40 lbs.



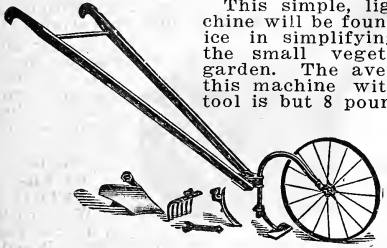
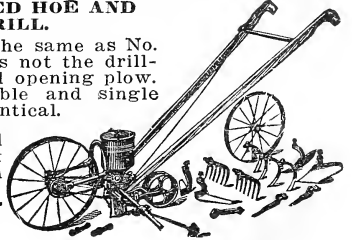
An indispensable machine to the market gardener or anyone cultivating a garden. This machine complete with all attachments.

- No. 301-R, Complete (like cut).....\$12.00
- No. 301, Like cut without Rakes..... 11.00
- No. 303 With Side Hoes only..... 7.75
- No. 313 With Side Hoes and Teeth..... 9.50
- No. 327 Same as 301, except it has discs..... 12.50

**NO. 304 COMBINED HOE AND SEED DRILL.**

This machine is the same as No. 306, only that it has not the drill-dropping device and opening plow. Both tools as double and single wheel hoes are identical.

- No. 304, Same tool as No. 306, except does not drop in hills, \$18.00.
- No. 318, Drill Seeder only, \$12.50.



This simple, light weight machine will be found of great service in simplifying the work in the small vegetable or flower garden. The average weight of this machine with one working tool is but 8 pounds.

- No. 11, like cut with plow only, \$4.50
- No. 12, complete (like cut), 4 tools, \$5.75.

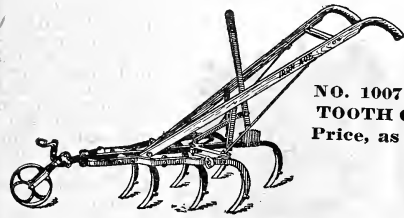
**NO. 19C WHEEL PLOW AND CULTIVATOR.**

Consists of plow, rake, scuffle, hoe, two cultivator teeth. The plow is used for breaking ground, opening furrow, and cultivating. The rake for leveling, raking and cultivating the crops while they are small; the scuffle hoe for breaking the soil, which may become hard from rain, baking or stamping; the two cultivator teeth for making small furrows, deep cultivating, etc. Price, complete with 5 tools, \$6.00.

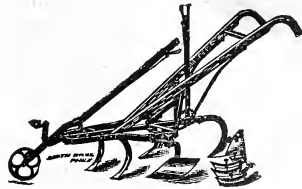


**SEEDER ATTACHMENT.**

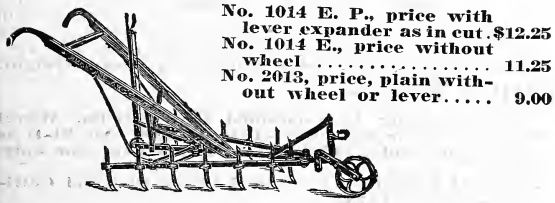
- Fig. 333, Drill only. Price, \$7.50
- Fig. 334, Hill and Drill. Price, \$8.50



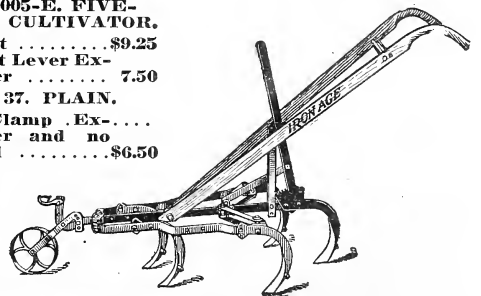
**NO. 1007 E. P. SEVEN TOOTH CULTIVATOR.**  
Price, as in cut. \$12.00



- NO. 1005-E. FIVE-TOOTH CULTIVATOR.**
- Like cut.....\$9.25
- Without Lever Expander..... 7.50



- No. 1014 E. P., price with lever expander as in cut, \$12.25
- No. 1014 E., price without wheel..... 11.25
- No. 2013, price, plain without wheel or lever..... 9.00



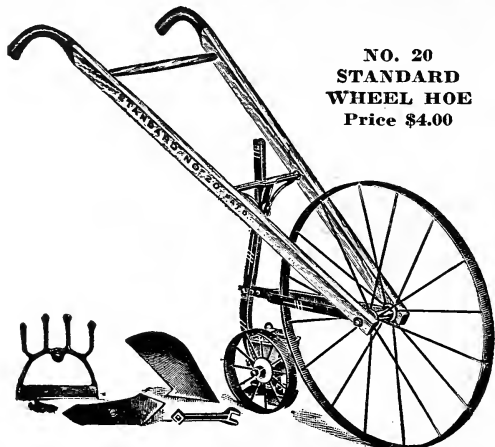
- NO. 37. PLAIN.**
- With Clamp Expander and no wheel.....\$6.50

- NO. 600. E. L. HORSE HOE.**
- Complete (like cut), \$13.75.
- No. 600 E. P., like 600 E. L., but with plain wheel, \$12.75.
- No. 607 E. P., like 609 E. L., without side plows, \$12.75.

ASK FOR SPECIAL IRON AGE CATALOG OF HAND TOOLS, HORSE TOOLS, SPRAYERS, POTATO PLANTERS AND DIGGERS.

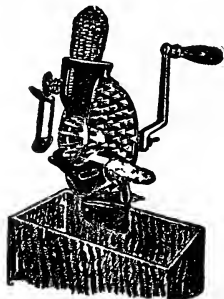


## Miscellaneous Tools



**No. 20  
STANDARD  
WHEEL HOE**  
Price \$4.00

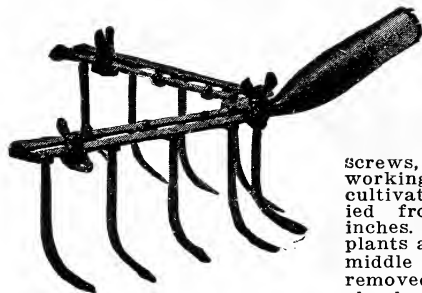
This cultivator has five combined tools as shown in cut. Is light, yet strong. All tools made of steel as hard as a saw and nicely polished. Strong, tangent spokes, 24-inch wheel. Price: Wheel Hoe and Midget Drill Combined (see page 76), \$7.75.



### Combined Tipper and Sheller

This is just the machine you have been looking for. It butts and tips your corn and then shells it. Also has an attachment for shelling pop corn. These machines are well made, extremely handy. You can more than pay for one by shelling and tipping your seed corn and then have it for next year. Price, complete, \$1.50.

### The Pull Easy Garden Cultivator



This handy little garden tool is adjustable to any width. A patented, groove slide, secured by handy thumb screws, allows the working width of the cultivator to be varied from 7 to 18 inches. When the plants are young, the middle tooth can be removed by the simple loosening of a thumb screw, allowing the plants to be straddled and two rows worked at once. When spread out to its full width it can be used as an ordinary rake. Since it serves as both a rake and a cultivator it can be put to many uses about the yard or garden. Length of handle is 4½ feet. Price: Garden Cultivator, like cut, \$1.25; 5-prong, \$1.00. Junior Cultivator, 60c; by express.

## PLANET JR. GARDEN TOOLS

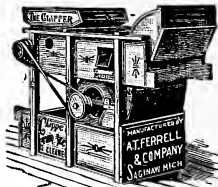
No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow—Price complete, \$19.50. No. 4D, as a seeder only, \$15.50.

No. 12 Double Wheel Hoe, Cultivator and Plow—Price, \$12.50.

No. 19 Planet Jr. Single Wheel Hoe Cultivator and Plow—Price, \$6.25.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow—Price, \$23.00.

### The "Clipper"



#### FARM GRAIN AND SEED CLEANERS

No. 1-B and No. 2-B

The Clipper Cleaner weighs every seed and kernel, rejecting the light and worthless seed. Has no equal at any price. It is well made, nicely finished, light running. Satisfaction guaranteed.

**No. 1-B—Capacity**—Seed Wheat or other grain 20 bushels per hour. Clovers, Alfalfa and other seeds 10 bushels per hour. Price, \$33.00.

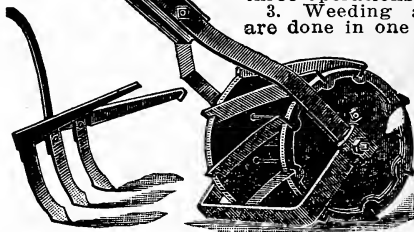
**No. 2-B—Capacity**—On Seed Wheat or other grain, 25 bushels per hour.

**Capacity on Clovers** or other fine seeds, 15 bushels per hour. Price \$42.00.

Send for large catalog of fanning mills.

### The Barker Weeder, Mulcher, Cultivator

1. The Barker is a Weeder, Mulcher and Cultivator.
2. The one machine performs the three operations.
3. Weeding and Mulching are done in one operation.



4. By adjusting shovel attachment the Barker becomes a cultivator.

#### OUR GUARANTEE

We fully guarantee

both material and workmanship of the Barker Weeder, Mulcher and Cultivator for a period of FIVE YEARS from date of purchase, and will make good any defective parts without cost to purchaser.

#### SIZES AND PRICES.

All Barkers work on the same principle. They differ only in the width of the strip cultivated.

No. 6D. Strip 6 in. wide.....Price, \$ 7.50

No. 8½D. Strip 8½ in. wide.....Price, 8.75

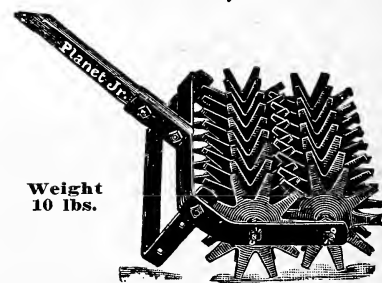
No. 10D. Strip 10 in. wide.....Price, 9.85

No. 11D. Strip 11 in. wide.....Price, 10.65

No. 66D. Strip 6 in. wide on each side of row.

Two 6 D.'s bolted together..Price, 15.00

### Star Pulverizer, Leveler and Weeder



Weight 10 lbs.

This tool is especially adapted for preparing the seed bed much more thoroughly and rapidly than any other garden rake. The rear blade cuts 13½ inches. Levels the ground perfectly. It is a fine tool to use after the crop

is started, breaking the crust, cutting off the weeds and leaving a fine mulch. It works equally well forward or backward. Price, \$6.00, by express or freight.

No. 31 Planet Jr. Combined Drill, Seeder, Wheel Hoe, Cultivator and Plow—Price, \$13.00. No. 31-D as Drill Seeder only, \$10.50. No. 33 as Wheel Hoe only, \$6.50.

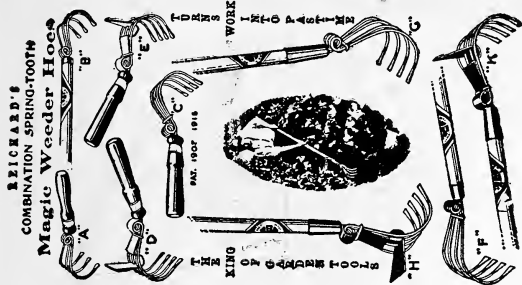
No. 104 Planet Jr. Combined Horse Hoe and Cultivator—Price, \$14.75.

Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer—No. 90D, without pulverizer or wheel, \$13.

Write for Planet Jr. catalog.



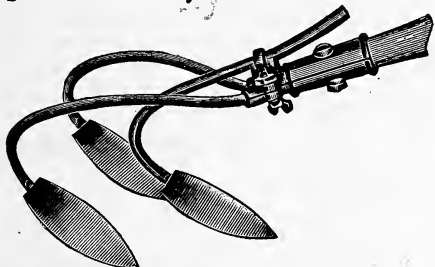
**Magic Weeder and Hoe**



The best garden tool on the market. It does the work with half the labor, saving both time and strength. The tongs are formed so as to enter the ground the same as a garden plow, lifting and pulverizing the soil, leaving a dust mulch, thereby holding the moisture, which is so essential to the rapid growth of young plants. From the picture you get an idea of the different styles.

Price, No. A;	postpaid	.....	\$0.20;	not postpaid	.....	\$0.15
Price, No. B;	postpaid	.....	.25;	not postpaid	.....	.20
Price, No. C;	postpaid	.....	.35;	not postpaid	.....	.25
Price, No. D;	postpaid	.....	.50;	not postpaid	.....	.40
Price, No. E;	postpaid	.....	.50;	not postpaid	.....	.40
Price, No. F;	postpaid	.....	.60;	not postpaid	.....	.50
Price, No. G;	postpaid	.....	.90;	not postpaid	.....	.75
Price, No. H;	postpaid	.....	1.25;	not postpaid	.....	1.00
Price, No. K;	postpaid	.....	1.25;	not postpaid	.....	1.00

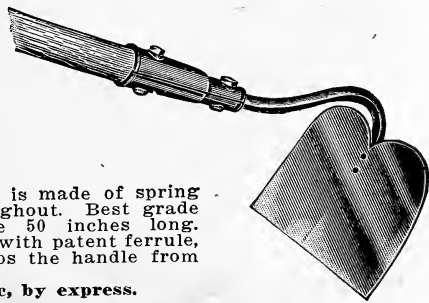
**Improved Handy Cultivator No. 10**



This cut shows the tool as used in general cultivation, or the shovels can be put in line for hilling. The blades of this cultivator are made of spring steel, and the edges are beveled, making them sharp to cut the weeds. The face being polished the tool will scour itself, making it easy to operate.

**Price, \$1.50, by express.**  
**TOOLS WITH HANDLES THAT WILL NOT COME OFF**

**Common 6 Inch Hoe No. 35**



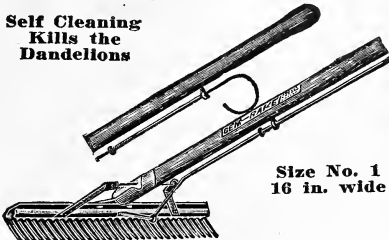
This hoe is made of spring steel throughout. Best grade ash handle 50 inches long. Connected with patent ferrule, which keeps the handle from coming off.  
**Price, 60c, by express.**

**Malleable Iron Rake No. 40**

This rake is made of best malleable iron, 13 inches wide, best grade ash handle 5 feet long and is connected to rake with our patent malleable ferrule, which keeps the rake from coming off the handle.  
**Price, 75c, by express.**

**The Gem Dandelion Rake**

**Self Cleaning Kills the Dandelions**



**Size No. 1  
10 in. wide**

ily. Self-cleaning comb-bar fits between apertures of teeth and prevents clogging. This bar is connected to a rod on the handle and combs teeth clean to a slight pull on the finger hook. A stiff spring sends the comb-bar back into original position when finger hook is released.  
 The 24-inch rake has a sheet metal back for retaining leaves, grass, etc., in general lawn use.  
 Substantially made of 14-gauge steel, aluminum painted, selected ash handle.  
**Price, No. 1, 16 inches wide**..... **\$2.25** by express  
**Price, No. 2, 24 inches wide**..... **3.50** by express

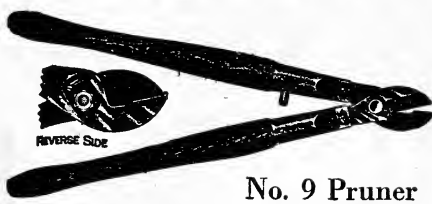
**No. 136 Pruner**



The best grade of forged steel. Handles 22 inches long. **Price, \$2.50** by express.

**PRUNING SHEARS**

Nine-inch forged steel polished blades, volute spring. **Price, postpaid, \$1.50; not postpaid, \$1.35.**



**No. 9 Pruner**

A good grade of steel, with polished blades. **Price, \$1.75, by express.**

**Water's Tree Pruner**

Has cast steel single blade. Wood pole. 8-foot handle, **\$3.75**; 10-foot handle, **\$4.00**, by express.



**Hedge Shears**

Very useful for trimming hedges. 6-inch, **\$1.75**; 9-inch, **\$2.25.**

**LANG'S HAND WEEDER**



**HANDIEST TOOL ON EARTH.**

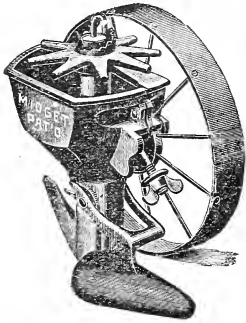
**LITTLE GIANT MOLE TRAP**

Most simple and best trap on the market. Fully guaranteed to give satisfaction. **Price, 80c each, postpaid; 80c, not post-**

**Prices Do Not Include Postage, Express or Freight Except Where Noted**



# Seed Sowers and Planters



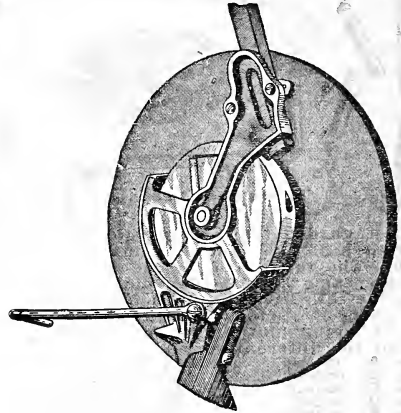
**Midget Drill**  
Price \$3.90

## A New Midget Drill

### Sows All Seeds.

This is just the drill for the little garden. It stands about 8 inches high and will sow a 5c package of seed just as well as larger amounts. Can be attached to a wooden handle and used in a hotbed or greenhouse. Hopper holds 1 pint. The machine is made as good as larger ones. Index shows how to set. It can be attached to a No. 20 Standard Wheel Hoe.

## Eureka Seed Drill



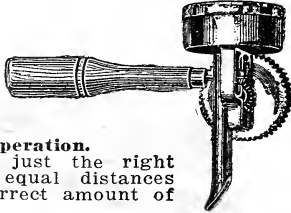
It will sow and cover Beets, Cabbage, Carrots, Celery, Lettuce, Onions, Radishes, Spinach, Turnips and all such seeds with the greatest regularity, much better and faster than hand work. It is not a toy, but a strong, practical machine. Of course, when you have a large garden, you will want our Iron Age Drill, but for a few vegetables the Eureka is superb. It is the only machine suited, to sow in a hotbed. Sows the smallest packet of seeds as well as a large bulk. Price, \$1.75, postpaid; by express, \$1.50.

## Perfection Garden Drill and Seeder

Here is a time and labor saver adapted for all kinds of small garden seeds. It is alike useful in home gardens or hothouses. The Perfection Drill and Seeder is simple, practical and rapid in operation.

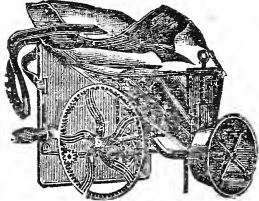
The seed is sown at just the right depth—at the proper equal distances apart—and with the correct amount of seed in each spot.

This handy tool is as much ahead of hand sowing as a corn planter is ahead of planting corn by hand. Price, \$2.00, postpaid; by express, \$1.85.



## Cahoon Seeder

The best machine of the kind in the market. The grain is held in a tight sheet-iron hopper, surrounded by a bag which will hold a bushel of seed. Price, \$5.00, by express.



## Cyclone Seeder

Simple in construction and easy of operation; has automatic regulator and cut-off, and performs its work perfectly. It is practical. Price, \$2.00, by express.



## Corn Planters

**No. 1.** Good, reliable two-hand planter. Price, by freight or express, \$1.50.

**No. 2.** Segment one-hand corn planter, adjustable for planting all kinds of corn. Has pumpkin seed attachment. Is well made in every way.

Price, by freight or express, \$2.00.

SEED CORN LISTED ON PAGE 36



No. 1

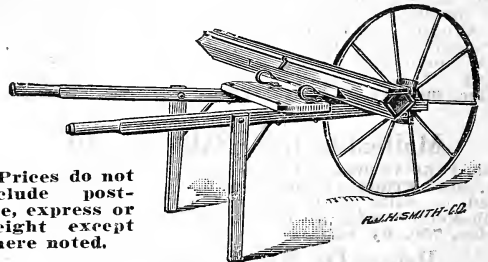


No. 2

## Thompson's Wheelbarrow Seeder

Sows Clover, Timothy, Alfalfa, Red Top, Orchard Grass, Flax, Brome Grass and all Grass Seeds. No job of seeding too large for this machine. Runs easy. Sows 25 to 40 acres per day, so close to the ground that the wind can never blow the seed away, insuring the operators a good even catch. Strong and durable. We know of these seeders being in use 30 years which are thoroughly good, and effective today.

Order THE THOMPSON and you will get the best, a seeder that will sow both heavy and chaffy seeds. Price, No. 1, 12 ft., \$9.00; No. 6, 14 ft., \$10.00; No. 6, 16 ft., \$11.00.



Prices do not include postage, express or freight except where noted.

R.W.H. SMITH CO.

We are agents for Myers Spray Pumps. The world's best. See pages 71 to 72.





**BEEKEEPERS SUPPLIES**

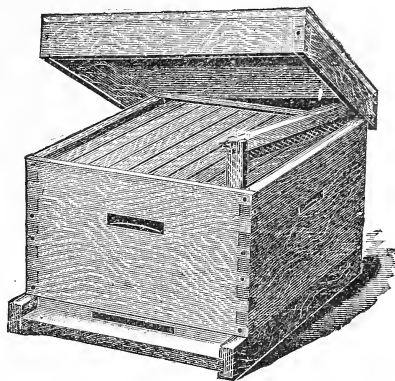
The highest standard of excellency in material and workmanship is found in our beekeepers' supplies. The best is always the cheapest. Our goods are sure to please. Prompt and careful attention given to all orders whether large or small, and mistakes promptly corrected. The following prices are not postpaid.

**ONE-STORY STANDARD HIVE.**

One-story Standard Hive	EIGHT-FRAME			TEN-FRAME	
	Quan.	Cat. No.	Price	Cat. No.	Price
No foundation	1 N	E15101	\$5.30	E25101	\$5.60
No foundation	1 KD	E15102	3.70	E25102	3.90
No foundation	5 KD	E15103	16.90	E25103	17.80
Inch foundation starters	1 N	E15104	5.50	E25104	5.80
Full sheets foundation	1 N	E15107	7.10	E25107	7.40

**TWO-STANDARD HIVE FOR EXTRACTED HONEY.**

Two-story Standard extracting hive	EIGHT-FRAME			TEN-FRAME	
	Quan.	Cat. No.	Price	Cat. No.	Price
No foundation	1 N	E15201	\$7.95	E25201	\$8.40
No foundation	1 KD	E15202	5.50	E25202	5.75
No foundation	5 KD	E15203	24.50	E25203	25.75
Inch foundation starters	1 N	E15204	8.25	E25204	8.75
Full sheets foundation	1 N	E15207	11.50	E25207	12.00



One-Story Standard Hive With Metal Cover.

**Hive With One Shallow Extracting Supers, 5 1/2 Inches Deep.**

1 1/2-story Extracting hive, One Super with	EIGHT-FRAME			TEN-FRAME	
	Quan.	Cat. No.	Price	Cat. No.	Price
No foundation	1 N	E15121	\$7.15	E25121	\$7.55
No foundation	1 KD	E15122	5.00	E25122	5.30
No foundation	5 KD	E15123	22.20	E25123	23.35
Inch foundation starters	1 N	E15124	7.50	E25124	7.90
Full sheets foundation	1 N	E15127	9.75	E25127	10.20

**Hive Taking 4 1/4 x 4 1/4 x 1 1/2 Plain or No-beeway Sections**

1 1/2-story Comb-honey Hive, one Super with	EIGHT-FRAME			TEN-FRAME	
	Quan.	Cat. No.	Price	Cat. No.	Price
No foundation; no sections in super	1 N	E15141	\$7.25	E25141	\$7.65
No foundation; no sections in super	1 KD	E15142	5.00	E25142	5.20
No foundation; no sections in super	5 KD	E15143	22.65	E25143	23.90
Inch starters in frames and sections	1 N	E15144	7.95	E25144	8.40
Full sheets in frames and sections	1 N	E15147	10.15	E25147	10.65

**Hive Taking 4 1/4 x 4 1/4 x 1 1/2 Slotted or Beeway Sections.**

1 1/2-story Comb-honey Hive, one Super with	EIGHT-FRAME			TEN-FRAME	
	Quan.	Cat. No.	Price	Cat. No.	Price
No foundation; no sections in super	1 N	E15151	\$7.05	E25151	\$7.45
No foundation; no sections in super	1 KD	E15152	4.80	E25152	4.00
No foundation; no sections in super	5 KD	E15153	21.75	E25153	22.50
Inch starters in frames and sections	1 N	E15154	7.80	E25154	8.20
Full sheets in frames and sections	1 N	E15157	10.15	E25157	10.50

**Standard Hive Body or Brood Chamber, 9-16 Inches Deep.**

Description	EIGHT-FRAME			TEN-FRAME	
	Quan.	Cat. No.	Price	Cat. No.	Price
Empty Standard body without frames	1 N	E19101	\$1.35	E29101	\$1.45
Empty Standard body without frames	1 KD	E19102	1.05	E29102	1.10
Empty Standard body without frames	5 KD	E19103	4.65	E29103	4.95
Standard body with frames, no foundation	1 NP	E10101	2.65	E20101	2.90
Standard body with frames, no foundation	1 KD	E10102	1.80	E20102	1.90
Standard body with frames, no foundation	5 KD	E10103	7.65	E20103	8.05
Standard body with frames inch starters	1 NP	E10104	2.80	E20104	2.95
Standard body with frames, full sheets	1 NP	E10107	4.35	E20107	4.60

**SHALLOW EXTRACTING SUPERS 5 1/2-16 INCHES DEEP.**

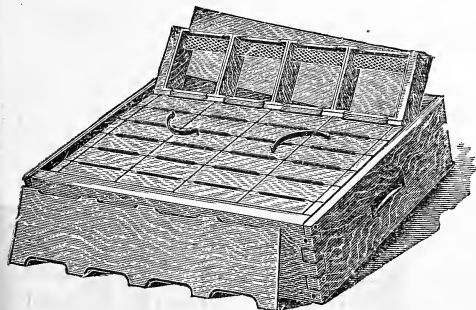
Description	EIGHT-FRAME			TEN-FRAME	
	Quan.	Cat. No.	Price	Cat. No.	Price
Empty super body, no frames	1 N	E19021	\$0.80	E29021	\$0.95
Empty super body, no frames	1 KD	E19022	.70	E29022	.75
Empty super body, no frames	5 KD	E19023	3.00	E29023	3.20
Super with shallow frames, no foundation	1 N	E10021	1.85	E20021	1.95
Super with shallow frames, no foundation	1 KD	E10022	1.20	E20022	1.25
Super with shallow frames, no foundation	5 KD	E10023	5.30	E20023	5.55
Super with frames, 1-inch starters	1 N	E10024	2.00	E20024	2.10
Super with frames, full sheets	1 N	E10027	2.65	E20027	2.80

**Slotted Section Super 4 1/4 x 4 1/4 x 1 1/2 Beeway Secs., 4 1/2 In. Deep.**

Description	EIGHT-FRAME			TEN-FRAME	
	Quan.	Cat. No.	Price	Cat. No.	Price
Empty super, no fittings	1 N	E19051	\$0.75	E29051	\$0.80
Empty super, no fittings	1 KD	E19052	.60	E29052	.75
Empty super, no fittings	5 KD	E19053	2.40	E29053	2.50
Super without sections or foundation	1 N	E10051	1.75	E20051	1.85
Super without sections or foundation	1 KD	E10052	1.10	E20052	1.20
Super without sections or foundation	5 KD	E10053	4.80	E20053	5.10
Super with sections, 1-inch starters	1 N	E10054	2.30	E20054	2.45
Super with sections, full sheets	1 N	E10057	2.95	E20057	3.10

**4x5x1 1/2 PLAIN SECTION SUPER.**

Description	EIGHT-FRAME			TEN-FRAME	
	Quan.	Cat. No.	Price	Cat. No.	Price
Super without sections or foundation	1 N	E10061	\$2.20	E20061	\$2.35
Super without sections or foundation	1 KD	E10062	1.60	E20062	1.75
Super without sections or foundation	5 KD	E10063	7.00	E20063	7.35
Super with sections, 1-inch starters	1 N	E10064	2.80	E20064	3.05
Super with sections, full sheets	1 N	E10067	3.55	E20067	3.80





## BEEKEEPER'S SUPPLIES—Continued

**Super for 4 1/4 x 4 1/4 x 1 1/2 Plain Sections, 4 3/4 Inches Deep.**

Description	EIGHT-FRAME			TEN-FRAME	
	Quan.	Cat. No.	Price	Cat. No.	Price
Super without sections or foundations.....	1 N	E10041	\$1.95	E20041	\$2.05
Super without sections or foundations.....	1 KD	E10042	1.30	E20042	1.40
Super without sections or foundations.....	5 KD	E10043	5.75	E20043	6.10
Super with sections, 1-inch starters.....	1 N	E10044	2.50	E20044	2.65
Super with sections, full sheets.....	1 N	E10047	3.10	E20047	3.25

### INNER COVER.

Inner cover or bee-escape board, no escape.....	1 N	E31211	\$0.40	E32211	\$0.45
Inner cover or bee-escape board, no escape.....	5 KD	E31213	1.50	E32213	1.60

### METAL-ROOFED DOUBLE COVER.

Metal cover with inner cover.....	1 N	E15001	\$1.90	E25001	\$2.00
Metal cover with inner cover.....	1 KD	E15002	1.40	E25002	1.50
Metal cover with inner cover.....	5 KD	E15003	6.65	E25003	6.95

### REVERSIBLE BOTTOM BOARD.

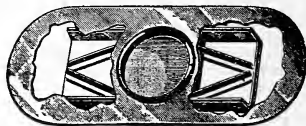
Reversible cypress bottom-board.....	1 N	E31111	\$1.10	E32111	\$1.25
Reversible cypress bottom-board.....	1 KD	E31112	.80	E32112	.85
Reversible cypress bottom-board.....	5 KD	E31113	3.50	E32113	3.70

### PRICE LIST OF COMB FOUNDATION. Price per pound, packed in boxes as follows:

Quantity.	Medium Brood	Light Brood	Thin Super	Ex. Thin Super
One 1-lb. box.....	\$0.90	\$0.95	\$0.95	\$0.98
One 2-lb. box.....	.89	.94	.94	.97
One 5-lb. box and over.....	.87	.92	.92	.95

### ROOT SECTION-PRESS AND STEAM FOUNDATION. FASTENER.

Steam foundation-fastener and press, for 4 1/4 sections.....	\$7.00
Steam foundation-fastener and press, for 4x5 sections.....	7.00
Steam boiler with safety valve for use with above.....	3.15
Oil stove for heating boiler, "Summer Girl".....	2.10
Root section-press only without steam attachment.....	2.90



### Prices of Frames.

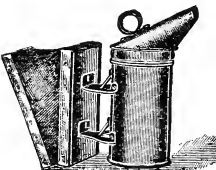
	In flat without wire
Following is furnished without foundation:	10 100
Hoffman, 9 1/4 x 17 1/2.....	\$0.80 \$7.00
Shallow, 3/4 x 1 1/4 in. top-bar.....	.65 5.55
Danz brood, 7 7/8 x 17.....	.70 6.00
Wedges for old-style Hoffman frame..... Per 100	.40

### PORTER BEE-ESCAPES.

	Weight	Each	Dozen
Porter single escape without board.....	1 oz.	\$0.20	\$2.10
Porter double escape without board.....	1 oz.	.23	2.30
Porter board with single escape, nailed.....		.55	5.00
Porter board with double escape, nailed.....		.60	5.50
Hodgson ventilated escape-board without escape.....		.60	5.50
Hodgson ventilated escape-board—double escape.....		.80	7.50

### SIZES AND PRICES OF EXCLUDERS OR HONEY-BOARDS.

Name and size of honeyboard.	Size	Price of 1	Price of 10
8-frame 7-wire and wood.....	13 3/4 x 20	\$0.80	\$7.75
10-frame 7-wire and wood.....	16 1/4 x 20	.85	8.25
8-frame wood bound zinc.....	13 3/4 x 20	.55	5.25
10-frame wood bound zinc.....	16 1/4 x 20	.65	6.25



### ROOT SMOKERS.

	1	5
Jumbo tin smoker. 4 in.....	\$1.60	\$7.75
Jumbo copper smoker.....	4-	2.70 12.50
Standard tin smoker.....	3 1/2-in.	1.20 5.75
Standard copper smoker.....	3 1/2-in.	2.30 11.25
Junior tin smoker. 2 1/2-in.....	.90	4.25

### PRICE LIST OF FEEDERS.

Simplicity feeder.....	1	\$0.20	10	\$1.75
Division-board feeder, nailed.....		.30		5.75
Boardman feeder with cap only.....		.30		2.75
Miller feeder, in flat.....		.55		5.25
Alexander feeder, complete.....		.40		3.75

### PRICE LIST OF ALLEY TRAPS AND ENTRANCE GUARDS.

Wire alley trap.....	1	\$0.80	10	\$7.75
Wire entrance guard.....		.30		2.50

### NICKELED STEEL HIVE TOOL.

Regular length, 7-in.....	\$0.65
Extra long, 10-in.....	.75

### MISCELLANEOUS.

Manum swarm catcher.....	Price	\$2.25
Scraping knife.....	.30	
Bee brushes, black bristles.....	.35	
Collins foundation cutter.....	.35	
Spur wire embedder.....	.35	
Bee gloves.....	1.10	
Improved Bingham honey knife.....	1.40	

### THE ROOT BEE-VEILS.

Veil, made entirely of silk tulle.....	\$1.70
Veil, cotton tulle with silk tulle face.....	1.35
Veil, cotton tulle throughout.....	1.25
Veil, of mosquito bar entirely.....	1.00
Globe bee veil.....	1.60
Alexander bee veil.....	1.70



### A B C AND X Y Z OF BEE CULTURE.

Cloth 7x10 inches. Price, \$2.75.

Alexander

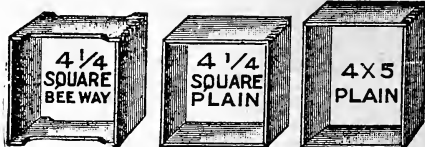
### PRICE LIST OF INSIDE FIXTURES FOR SUPERS.

	Per 100		Per 100		Per 100
Slotted section holders.....	\$5.20	Bevel cleats for P supers 10-fr.....	\$4.05	8-fr. S flat tins 13x 5/8.....	\$1.30
Plain section holders.....	4.65	End stops for P supers 8-fr.....	1.05	10-fr. S flat tins 15x 5/8.....	1.30
Slotted wood separators.....	2.00	End stops for P supers 10-fr.....	1.05	8-fr. P flat tins 15x 5/8.....	1.30
P-fences.....	5.30	Tin Rabbets, T Tins, Flat Tins.....	2.10	10-fr. P flat tins 15x 5/8.....	1.30
Bevel-cleats for P supers 8-fr.....	1.05	8-fr. tin rabbets 12-in.....	2.10	Danz section holders 1 1/2 in.....	5.50
		10-fr. tin rabbets 14-in.....	2.10		

### SIZE AND WIDTH OF SECTIONS.

Sections in most common use are 4 1/4 x 4 1/4 x 1 1/2 inches wide with two beeways, 4 1/4 x 4 1/4 x 1 1/2 inch plain (no beeway) and 4x5x1 3/8 plain. We also furnish 3 5/8 x 5x 1 1/2 no beeway:

Quantity	A Grade		Quantity	B Grade	
	Price			Price	
100.....	\$ 1.15		100.....	\$ 1.10	
250.....	2.75		250.....	2.60	
500.....	5.50		500.....	5.25	
1,000.....	10.50		1,000.....	10.00	



The Kind of Sections Commonly Used.



## Poultry Supplies

### Buckeye Incubators, Sold on 40 Days' Trial

WITH AN ABSOLUTE GUARANTEE TO HATCH EVERY HATCHABLE EGG  
THIS IS A GUARANTEE THAT MEANS SOMETHING

The Buckeye is GUARANTEED to hatch MORE CHICKS and STRONGER CHICKS than any other incubator.

It is further guaranteed:

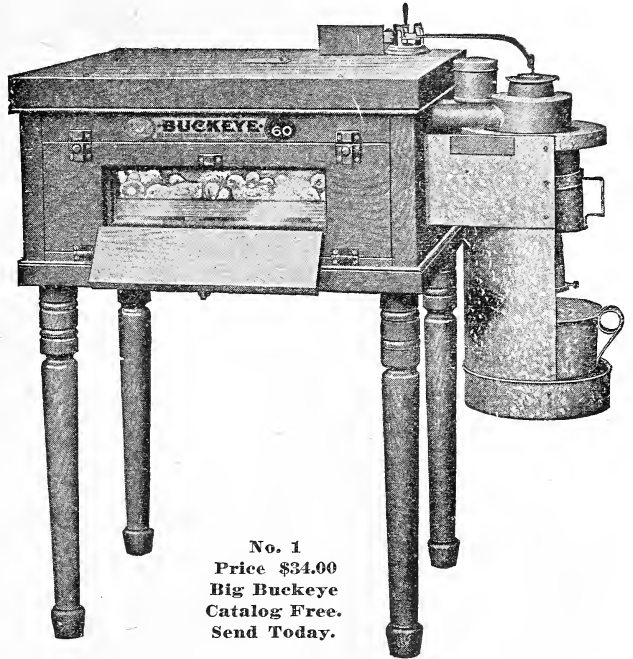
To require no artificial moisture. To operate satisfactorily in any temperature down to freezing, and to require no attention to the regulator from the time a hatch is started until it is finished.

The perfect construction of all its mechanical parts is also guaranteed, and any incubator or part thereof that does not fulfill our guarantee in every particular will be replaced without question any time within 40 days.

Over four hundred thousand (400,000) satisfied users represent the proof that we offer in support of Buckeye superiority—little breeders, big breeders, beginners, experts—breeders that include every class from boys and girls with a little 60-egg machine—up to the tremendous poultry plants with capacities of 50,000 eggs and more—all uniting in the same verdict.

It is no longer considered a feat to build an incubator that will hatch "some" chickens from "some" of the eggs placed in it (there are many such incubators on the market), but the truly successful incubator is the MACHINE THAT WILL HATCH A CHICKEN FROM EVERY HATCHABLE EGG—the vigorous kind of chicks that start to grow the moment they are hatched, and continue to grow without forcing or doctoring.

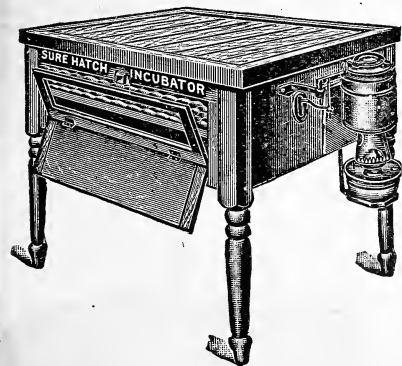
THAT'S THE KIND OF HATCHES THE BUCKEYE PRODUCES, and has been producing for twenty-five years. That's why we have been able to sell over four hundred thousand Buckeyes to all kinds of people.



**No. 1**  
Price \$34.00  
Big Buckeye  
Catalog Free.  
Send Today.

#### BUCKEYE PRICE LIST.

No. 14, Style E—Capacity 60 Eggs.....	\$15.00	No. 1, Standard—Capacity 110 Eggs.....	\$34.00
No. 15, Style H—Capacity 60 Eggs.....	17.50	No. 2, Standard—Capacity 175 Eggs.....	39.50
No. 16, Style E—Capacity 110 Eggs.....	23.50	No. 3, Standard—Capacity 250 Eggs.....	49.50
No. 17, Style E—Capacity 200 Eggs.....	32.50	No. 4, Standard—Capacity 350 Eggs.....	58.50
No. 60, Standard—Capacity 60 Eggs.....	23.50	No. 5, Standard—Capacity 600 Eggs.....	95.00



## Sure Hatch Incubator

**The best hatcher built for the money.** For the past several years we have had more or less calls for a medium priced incubator, but as we will not sell a thing that we cannot guarantee it took us a long time to find one that measured up to the specifications desired. We had our eyes on one a long time before we could get the agency. We have known for a long time that the SURE HATCH is the best incubator built for the money, but this is the first year we could get the agency, so we offer you now the SURE HATCH INCUBATOR, believing that if you buy one you will be well pleased.

The sides and ends of the Sure Hatch incubators are made with two distinct walls of redwood. The space between these two walls is air-tight to provide a dead air space for insulation.

The heating is done with the best hot water system. The tank and the heater are both made of the best Pure Lake copper, which will last many years. An incubator to be of good service must have a strong heating device to warm the machine to the proper temperature during the cold weather, which is the most profitable time for setting the machine.

#### Sure Hatch Prices

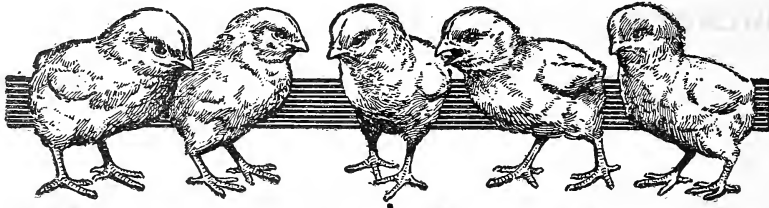
No. 100, 100 to 120 Egg, complete with all fixtures.....	\$25.25
No. 150, 150 to 170 Egg, complete with all fixtures.....	31.00
No. 200, 200 to 220 Egg, complete with all fixtures.....	35.75
No. 250, 200 to 220 Egg, large lamp bowl, holds enough oil for one hatch, complete with all fixtures....	39.00

**Our Guarantee Puts It Strictly "Up to the Incubator"**



**POULTRY SUPPLIES—(Continued)**

Save  
the  
Chcks



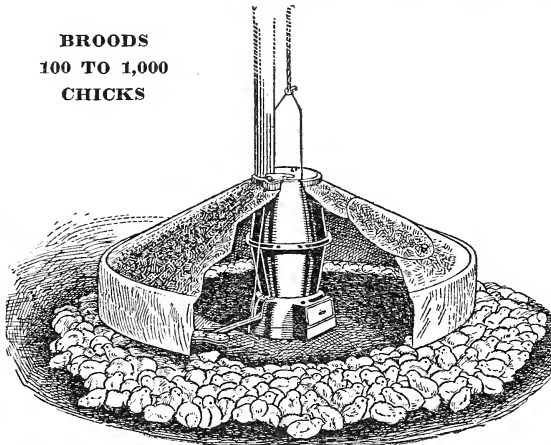
Raise  
Them  
All

**The Standard Colony Brooder**

The Most Remarkable Coal Burning Brooder Ever Invented

Self-Feeding, Self-Regulating, Simple, Safe, Everlasting  
Guaranteed Operating Cost Less Than Six Cents a Day

**BROODS**  
100 TO 1,000  
**CHICKS**



Showing a Standard Colony Brooder in Operation  
With 1,050 Chicks.

Makes Three Chickens Grow Where One Grew Before.

Cuts the Cost of Equipment to Less Than Half.  
Cuts the Cost of Operation to Less Than Half.  
Reduces the Time and Labor to Less Than a Fourth.  
Guaranteed to Raise More Chicks and Better Chicks.  
Nothing to Break. Nothing to Wear Out.

This type of brooder can be satisfactorily operated in any locality or under any conditions. The especially built coal-burning stove for brooding purposes is self-regulating. The whole apparatus has one adjustable nut and not even a thermometer is necessary. It burns any kind of coal, is self-feeding and is guaranteed to run more than 12 hours in any weather on one filling of coal at an average cost of 6 cents per day. The coal is poured in at the top of the stove. It is fire-proof, and is so simple that a boy or girl can operate it.

The air is always pure and fresh. There is no damper or valve of any kind between the smoke stack and the fire draft. It is controlled by an ingenious device that makes them unnecessary. The fresh air is provided by the automatic action of the draft on the stove.

This year for the first time we are enabled to offer this Brooder in two sizes. They are exactly alike. The small one works just as satisfactorily as the large one. Price, No. 18, hovers 50 to 500 chicks, \$19.75; No. 19, hovers 100 to 1,000 chicks, \$24.75.

**The Reliable Blue Flame, Wickless, Oil Heated Colony Hover**

(Similar in shape to above cut.)

Burns Coal Oil—Steady Blue Flame—Comfortable No Wicks to Trim—Abundance of Heat—No Oil Fumes—Easy to Open—Economy of Operation. Fumes—Visible Oil Feed—Convenient and Safe.

No Coal, Smoke or Gas—The Flow of Oil Is Regulated Automatically—Write for Catalog.

No. 00—Broods 50 to 75 chicks.....\$7.50 No. 0—Broods 200 to 300 chicks.....\$16.50  
No. 1—Broods 500 chicks.....\$18.50

**“Buckeye” Portable Brooders**

The Oil Burning Brooders

With All the Desirable Features of the Modern Coal Burner.

**GUARANTEED** to be absolutely free from all gases or odors and to provide a circulation of pure, fresh air every minute in the day.

**GUARANTEED** to raise more chicks and bigger chicks than any other oil-burning brooder.

**GUARANTEED** to furnish an abundance of heat in any temperature down to freezing.

**BUILT IN THREE SIZES.**

<b>No. 20</b>	<b>No. 21</b>	<b>No. 22</b>
Diameter 19 Inches	Diameter 22 Inches	Diameter 30 Inches
Capacity 60 Chicks	Capacity 100 Chicks	Capacity 150 Chicks
<b>\$10.50</b>	<b>\$13.00</b>	<b>\$17.00</b>

Sold on 30 days' approval and you write your own money back guarantee.

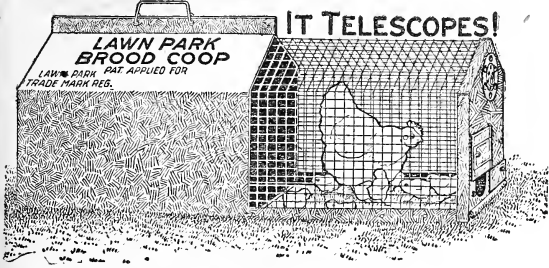


**POULTRY FEED, SEE PAGE 35.**



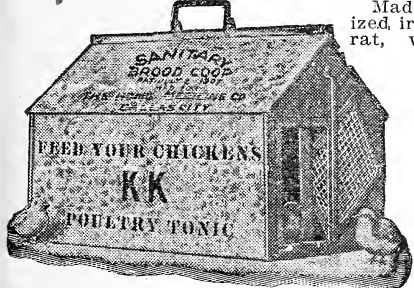
**Lawn Park Brood Coop**

It is made entirely of galvanized materials, will not rust, and is proof against all chick enemies, absolutely protects chicks against hawks, rats, vermin, cold, storms and all other chick enemies. The metal repels lice and mites—that's important. The body of the coop is made from strong 28-gauge galvanized steel. The wire park is made from heavy 1/2-inch mesh galvanized wire screen. The Lawn Park is large and roomy, being 18 inches wide, 19 1/2 inches high and 24 inches long with park closed, and 48 inches long with park extended. Permits the chicks to have plenty of sunshine and fresh air. The Park runway being bottomless lets them range on grass. Can be moved, from place to place easily. Coop proper has removable galvanized bottom. Easily cleaned. Highly sanitary. It saves the chicks. **Price, \$4.00 each, 6 for \$22.50.**



**IT TELESCOPES!**

**Sanitary Brood Coop**



Made of galvanized iron. It is mite, rat, weazel, mink and skunk proof. It can be taken down and put up in 40 seconds, the bottom can be removed for cleaning without taking the coop apart. It has three doors hung on one pivot; the first a slat door which lets the chicks out; the second, of one-half inch wire netting, for use on hot nights; the third is of solid iron for cold and stormy weather. The coop is well ventilated but is entirely rain-proof. It is approximately 18x24 inches square and 16 inches high. It can be carried with one hand to any convenient location. **Price, each, \$2.15; 6 for \$12.50, by express.**

first a slat door which lets the chicks out; the second, of one-half inch wire netting, for use on hot nights; the third is of solid iron for cold and stormy weather. The coop is well ventilated but is entirely rain-proof. It is approximately 18x24 inches square and 16 inches high. It can be carried with one hand to any convenient location. **Price, each, \$2.15; 6 for \$12.50, by express.**



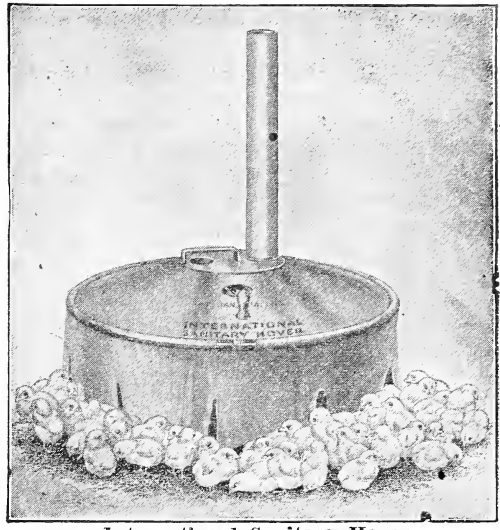
**Poultry Punch**

This little tool is for marking poultry by punching through the web between the toes. It is light and handy to carry in the pocket. Nickel plated. **Price, 35c, postpaid.**

**Leader Adjustable Leg Bands**



Doz., 20c; 25 for 30c; 50 for 50c; 100 for 85c; postpaid.



**International Sanitary Hover.**

**International Sanitary Hovers**

The International Sanitary Hovers have stood every climatic test from Panama to Quebec. Practical poultrymen, state experiment stations and poultry judges endorse them. You can raise chicks anywhere with International Sanitary Hovers. No specially constructed houses are necessary. There is no place better than in your regular hen house. Sanitary Hovers are as practical for the small backyard poultry raiser as for the large poultry farms. They are ready for business wherever placed. No crowding or smothering chicks—no kneeling in mud to get at the lamp. You want the best brooding device—you will get it in the Sanitary Hovers. **Price, \$9.50 each, by express or freight.**

**The "Little Chick" Feeder Saves the Feed**

It is made strong and durable. The frame in each end is made from substantial lumber, over which is securely fastened heavy 1/2-inch mesh galvanized wire screen. This wire screen is neatly bound on the edges with strong galvanized sheet steel. The "Little Chick" Feeder is large and roomy. Size: 6 inches high, 18 inches wide and 24 inches long.



Will easily accommodate FORTY to FIFTY chicks at one feeding. Can be placed anywhere and can be moved from place to place easily. **Price, \$1.35.**

**Spiral Celluloid Leg Bands**

Ten colors, blue, red, yellow, green, white, violet, pink, orange, cerise, black. **Price, postpaid: Poultry size, any color (be sure to state breed), 12 for 20c; 25 for 30c; 50 for 50c; 100 for 85c; 500 for \$3.00; 1,000 for \$5.25.**  
**For Pigeons and Baby Chicks. Price, postpaid: 12 for 15c; 25 for 25c; 50 for 40c; 100 for 65c; 500 for \$2.75; 1,000 for \$4.50.**

Prices do not include Postage, Express or Freight Charges Except Where Noted



**POULTRY SUPPLIES—(Continued)**

**IMPROVED CHICK FEEDER.**

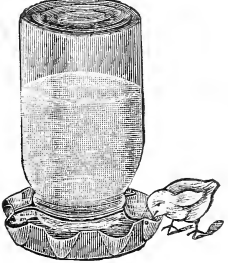


Made of galvanized iron, equipped with adjustable partitions for various kinds of feed. It is also an ideal drinking receptacle. Revolving rod prevents the chicks from perching upon it, making the feed absolutely sanitary. No rough edges. Waste impossible. Can't capsize.

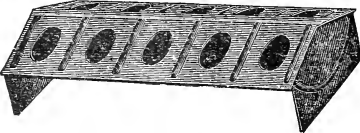
Prices: 12-inch 35c; 20-inch 50c; 30-inch 75c.

**AUTOMATIC FOUNTAIN AND CHICKEN FEEDER.**

This appliance for chicks feeds water, grain, grit, etc., automatically. It is an absolutely sanitary fountain made to fit any half-gallon, quart or pint Mason jar. We do not furnish jars. Pan is hinged to the wire so that it is not necessary to remove the can in order to fill it. Price, 10c. Shipping weight, 6 oz.



Automatic Fountain and Chicken Feeder. Patented January 7, 1919.



**CHICK FEED TROUGH.**

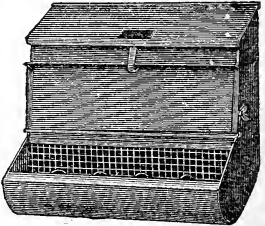
These troughs are very convenient for feeding flocks of growing chicks. Trough is set on a hilly circle so that every bit of feed can be easily eaten out of it. Made in two sizes, 10-inch and 20-inch.

10-inch trough with grate.....35c  
Shipping weight 1 1/2 pounds.  
20-inch trough with grate.....50c  
Shipping weight 2 lbs.

**IMPROVED HANDY HOPPER.**

The Improved Handy Hopper is made of galvanized iron throughout. All parts are spot welded together. It is provided with hinged lid over both hopper and trough, making it rat and mouse proof, as well as dirt proof. It is provided with a swinging front, adjustable to suit any kind of dry mash and which eliminates any possibility of clogging. Hopper is 15 inches in height and 4 1/2 inches in width and made in four lengths.

No. 1—12 inches in length.	Shipping weight, 8 lbs.	.....\$1.60
No. 2—18 inches in length.	Shipping weight, 10 lbs.	..... 1.90
No. 3—24 inches in length.	Shipping weight, 12 lbs.	..... 2.40
No. 4—36 inches in length.	Shipping weight, 17 lbs.	..... 3.25

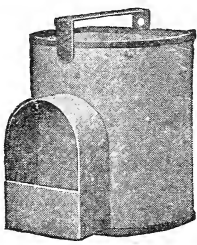


Improved Handy Hopper.

**WALL FOUNTAINS.**

Made in three sizes, 1 quart, 1 gallon and 2 gallons. The two larger sizes have flat backs, so they can be placed horizontally on the ground for filling and also to make them rest firmly against the wall when hung up. Made of No. 28 galvanized steel with heavy strap handles and hangers.

1-quart size.	Shipping weight 4 lb.	.....\$0.60
1-gallon size.	Shipping weight 3 lbs.	..... 1.00
2-gallon size.	Shipping weight 5 lbs.	..... 1.25

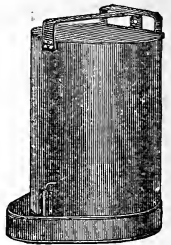


Wall Fountain.

**IMPROVED DROP BOTTOM FOUNTAINS.**

**Single Wall.**  
This fountain combines the good qualities of the three fountains—economy, flat back and drop bottom—which we formerly listed. The pan, which forms the trough, is hinged at the back and fastened by a catch in front. The flat back allows the fountain to be firmly placed against the wall and the drop bottom enables the fount to be thoroughly cleaned and kept in a sanitary condition.

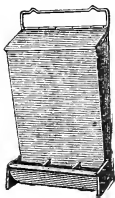
No. 1—2 quarts.	Shipping weight, 3 lbs.	.....\$0.80
No. 2—1 gallon.	Shipping weight, 4 lbs.	..... 1.15
No. 3—2 gallons.	Shipping weight, 5 lbs.	..... 1.50
No. 4—4 gallons.	Shipping weight, 8 lbs.	..... 2.25



**GRIT AND SHELL BOX.**

This Grit and Shell Box has slanting front, inclined top and round bottom to trough. Just the thing to hold oyster shell, charcoal and grit for a small flock of fowls.

Price of Grit and Shell Box, \$1.25. Shipping weight, 2 lbs. each.



**IMPROVED DROP BOTTOM FOUNTAIN—Double Wall.**

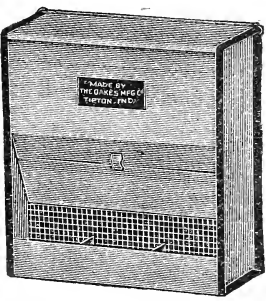
This fountain is the same as that described above except that it is double wall in the place of single wall. The two cylinders forming the body of the fountain are sealed, making a dead air space between them. This construction is similar to the thermos bottle and gives the very best protection from both heat and cold.

No. 1—1-gallon size.	Shipping weight, 5 1/2 lbs.	.....\$2.25
No. 2—2-gallon size.	Shipping weight, 7 lbs.	..... 2.75
No. 3—4-gallon size.	Shipping weight, 12 lbs.	..... 3.25

**RECTANGULAR CHICK FEED HOPPER.**

This hopper is designed for young chicks and made to either stand on the floor or ground, or hang against the wall. It is divided into three equal compartments, holding about four quarts altogether. Made of galvanized iron with hinged lid to both hopper and trough.

Price, each, \$1.40. Shipping weight, 3 1/2 lbs.



**CHICK GRIT AND SHELL BOX.**

Growing chicks should have grit, oyster shell and charcoal always before them; and for this purpose our Chick Grit and Shell Box is indispensable. It is made of galvanized steel with three compartments. Height 7 1/2 inches; width 6 inches; depth (front to back), 4 inches at bottom and 2 inches at top.

Price (shipping weight, 2 lbs.), 60c. Large size for grown fowls (shipping weight 4 lbs.), \$1.00.



**PRICES DO NOT INCLUDE POSTAGE, EXPRESS OR FREIGHT CHARGES EXCEPT WHERE NOTED.**



**POULTRY SUPPLIES—(Continued)**

**AUTOMATIC FEEDER AND FOUNTAIN.**

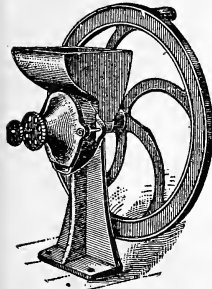
Feeds water, grain, grit, etc., automatically. Is easy to fill and operate. Just lift trigger, as shown in cut, which releases jar, leaving pan without any obstruction, affording easy cleaning. Thus a sanitary fountain. Made to fit any Mason jar. Has 6-inch diameter. We do not furnish jars. Price, postpaid, 20c; not postpaid, 15c each. Two for 35c, postpaid; not postpaid, two for 25c. Per dozen, postpaid, \$1.60; not postpaid, \$1.35.

**THE HUMANE ANTI-HEN SETTING DEVICE.**

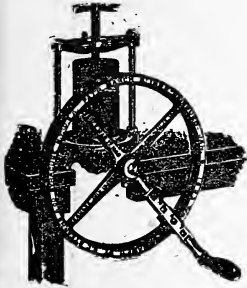
The only device ever invented that will stop a hen setting and cure her of broodiness in 24 hours and do it without the slightest pain or suffering for the hen, and no wasted time and trouble for you. Clasp on leg and let the hen run free for 24 hours, then remove. Price, 12c each; 1 dozen, \$1.25, postpaid.

**NO. 32 HAND GRINDING MILL.**

In this mill are embodied all the good features of other hand-grinding mills, to which have been added universal burrs or grinding plates that are adjustable for grinding coarse or fine. This machine grinds oats, barley, rye, corn, peas, dry bone, shells, etc., for feeding to poultry. It is a well-designed machine, is strong and well made throughout and of excellent finish, has a 16-inch



fly wheel, and is light running. The capacity of this mill is not equalled by any other of the same size. Shipping weight 40 pounds. Capacity, 1 to 2 bushels per hour. Price, \$4.90.



**STEARNS' BONE CUTTER.**

It has automatic feed; is self-cleaning; is the fastest fine cutting machine on the market; will stand more wear and tear; is least liable to get out of order; is the only bone cutter that will not clog with gristle or meat. Price, \$13.75.

Write for prices of larger sizes.

Almost an exact imitation of the real hen egg. If you wish to rid your poultry of lice you should use our nest egg. Place one in each nest and if the hen is setting put it under the straw. Price, 7c each, 4 for 25c, postpaid. By express, 5c each, 6 for 25c.

**COMMON NEST EGGS.**

Made of plaster paris. 6c each, 5 for 25c, postpaid. By express, 50c per dozen.

**SULPHUR CANDLES.**

It pays to keep lice, vermin and disease germs from your hens. When burning, place the little pan in a larger pan, putting something under it to raise it from the bottom of the large pan. Then put water in the big pan until it comes about half way up the small pan. This prevents all possibility of starting a fire. When burning sulphur candles avoid inhaling the fumes. All poultry must be kept out of the house until it has been aired. 10c each, postpaid.

**LETZ MILLS.**

This season we have added to our stock of Grinding Mills the Letz Power Mill. It has been established beyond a shadow of a doubt that it pays to grind feed for stock and if you grind feed it pays to use the best grinder available. One that will grind wheat fine enough for bread, and also grind ear corn fine enough for stock food. We carry in stock three sizes. If you wish a larger mill write for special catalog and prices.

No. 0-33, Capacity 8 to 12 bushels per hour.....	\$25.00
No. 6, Capacity 10 to 20 bushels per hour.....	35.00
No. 9, Capacity 20 to 30 bushels per hour.....	50.00

Capacity depends on the size or horse power engine you use.

**TWELVE REASONS WHY YOU SHOULD BUY THE LETZ MILL**

- |                        |                                 |                           |
|------------------------|---------------------------------|---------------------------|
| 1. Wet Grain Grinding. | 5. Silent in Operation.         | 9. Matchless Capacity.    |
| 2. Fine Grinding.      | 6. Jiffy Change Plates.         | 10. Efficient End Thrust. |
| 3. Light Running.      | 7. Self-Aligning Plate Holders. | 11. Simple in Operation.  |
| 4. Most Durable.       | 8. Self-Sharpening Plates.      | 12. No Heating of Grain.  |

**YOU WILL FIND LETZ BUHRS ONLY IN LETZ MILLS**

**Prices Do Not Include Postage, Express or Freight Charges Except Where Noted.**

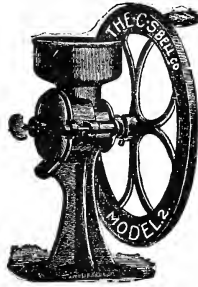
**HENFRIEND WATER FOUNT.**

Made of very best galvanized iron, cheap, practical and durable, protected from dirt, yet easy to clean; will not drown the chicks; easy to fill and carry as a pail. Keeps the water cool in summer. Filled with hot water in the morning will not freeze during the day in cold weather. A child can fill it. Price, 2 1/2 gallon size, postpaid, \$1.05; not postpaid, 90c; 1 gallon size, postpaid, 80c; not postpaid, 65c; 1/2 gallon size, postpaid, 45c; not postpaid, 35c.



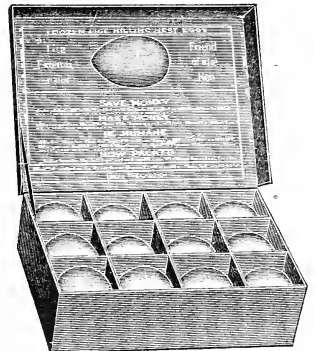
**MODEL MILL.**

This has proven to be one of the best Hand Grinding Mills on the market. Grinds corn, wheat, oats, etc. Capacity, No. 1, 1/2 to 1 bu. per hour; No. 2, 1 to 2 1/2 bu. per hour. Price, No. 1, \$3.25; No. 2, \$5.50.

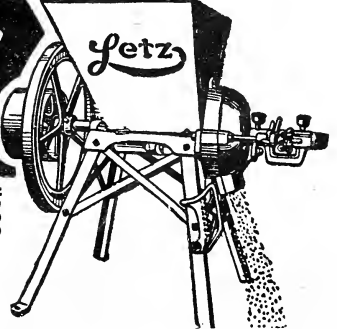


**MEDICATED NEST EGGS.**

This is really a scientific triumph. A nest egg and lice killer combined. Effective, lasting and non-expensive. Keep your hens free from lice, healthy and contented. It means more eggs and more profits. Used the same as any other, nest egg but is far superior, as it serves as a nest egg and a disinfectant also. Easy to apply and always at work.



**Grind Your Own Flour**





**POULTRY SUPPLIES—Continued.**

**GRAIN SPROUTER.**

**THE PERPETUAL POULTRY SILO.**

The grain sprouter doubles the egg yield—cuts in half the feed bill—sprouts in 24 hours, forces growths of 1 to 2 inches daily—sprouted oats for winter eggs.

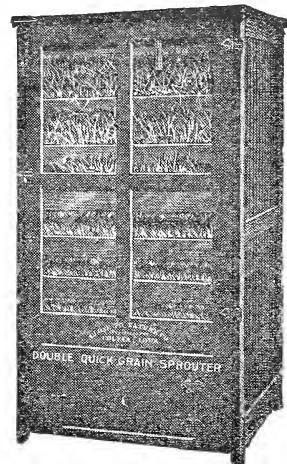
The most useful invention in the poultry industry since that of the incubator is the Grain Sprouter. Recent scientific research in the feeding of poultry has developed the fact that for prolific egg production there is no feed that compares with the sprouted grains. The newly germinated grains for growing chicks and the sprouted oats for laying hens are producing most remarkable results.

**PRICES OF DOUBLE QUICK.**

No. 1,	8 qts. Feeds	25- 35 hens,	18x14x23 ins.,	2	
	trays,	35 pounds			\$10.00
No. 2,	16 qts. Feeds	50- 75 hens,	18x14x30 ins.,	4	
	trays,	45 pounds			12.00
No. 3,	32 qts. Feeds	100- 150 hens,	21x17x40 ins.,	5	
	trays,	75 pounds			18.00
No. 4,	64 qts. Feeds	200- 300 hens,	25x20x44 ins.,	6	
	trays,	100 pounds			25.00
No. 5,	128 qts. Feeds	400- 600 hens,	39x25x45 ins.,	12	
	trays,	175 pounds			36.00
No. 6,	256 qts. Feeds	800-1,200 hens,	52x27x60 ins.,	16	
	trays,	275 pounds			56.00

**THE PREMIUM ALL-METAL SPROUTER.**

Built in sections—add sections as your flock increases. Two-base units. Small base, 1/4 bu., 2 trays, 25-35 hens. Small section, 1/4 bu., 2 trays, 25-35 hens. Large base, 1 bu., 2 trays, 100-150 hens. Large section 1 bu., 2 trays, 100-150 hens.



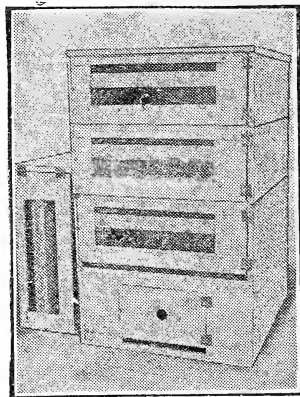
The Double Quick.

Small base  
Small section

\$8.50  
4.00

Large base  
Large section

\$15.00  
7.00



The Premium.

**SUCCESSFUL GRAIN SPROUTER.**

For sprouting oats or other grain for poultry. Made entirely of galvanized steel in sections as shown in illustration. Each section holds two trays for grain. Sections are interchangeable and sprouter may be enlarged by additional sections as needed. Five sizes.

No. 1—Base and 1 Section, wt. 50 lbs.—	Price
2 trays, holds 8-10 qts. dry grain (30 to 60 hens)	\$10.85
No. 2—Base and 2 Sections, wt. 70 lbs.—	
4 trays, holds 16-20 qts. dry grain (75 to 100 hens)	14.50
No. 3—Base and 3 Sections, wt. 85 lbs.—	
6 trays, holds 24-30 qts. dry grain (130 to 200 hens)	18.25
No. 4—Base and 4 Sections, wt. 100 lbs.—	
8 trays, holds 32-36 qts. dry grain (250 to 300 hens)	21.75
No. 5—Base and 5 Sections, wt. 115 lbs.—	
10 trays, holds 40-50 qts. dry grain (400 to 600 hens)	25.50
Each additional Section and 2 galvanized all-steel trays, wt. 20 lbs.	4.75

**ANDERSON EGG BOX.**

**For Fancy Eggs for Hatching.**

The Anderson Egg Box is made of corrugated paper and has double-faced corrugated paper partitions to protect each individual egg. The ability of the Anderson Egg Box to fold flat enables us to ship them in a knocked down condition, third class rate. They take but little room in storage and are very easy to set up. By sealing the box with gummed strips, which we furnish, pilfering or substituting of common eggs for fancy eggs while in transit is eliminated. We include labels and tape for sealing.

**PRICES.**

1 Setting	Shipping Weight.	Per Doz.
2 Setting	10 lbs. per doz.	No. 3, \$1.75
50 Egg Size	13 lbs. per doz.	No. 4, 2.40
	24 lbs. per doz.	No. 5, 3.50

An extra charge of 25c for orders of less than one dozen of a size.

**COMMERCIAL EGG CARRIER.**

Size.	Weights Per Doz.	Price Per Doz.
1 Dozen	9 lbs.	\$1.25
2 Dozen	13 lbs.	2.25
3 Dozen	19 lbs.	2.75
4 Dozen	21 lbs.	3.00

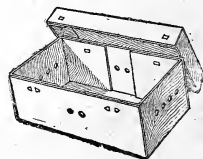
**EFFICIENCY KOOPS—"Without a Nail."**

For shipping breeding birds. Lightness makes great saving in express charges. Collapsible and easily stored. Put together with steel rods, saving time and labor. Can be used over and over.

Size.	Dimensions.	Weights Dozen	Price Each
Single, 1 to 3 birds	22 3/4 x 13 1-6x24	82	\$0.85
Double, 2 to 4 birds	22 3/4 x 19 1-8x24	106	1.15
Pen, 5 to 7 birds	22 3/4 x 23 1-6x24	128	1.50

**THE SEFTON LIVE CHICK BOX.**

Is shipped to you folded flat and very easily set up. Made from corrugated paper throughout. It is lighter and much more convenient than wooden boxes and in some instances the amount saved in express charges alone will pay for the box.



**PRICES.**

	Wt. per doz.	Size.	Per doz.
25 Chicks,	6 1/2 lbs.,	18x 7x5	\$2.25
50 Chicks,	14 lbs.,	14x18x5	2.75
100 Chicks,	22 lbs.,	26x14x5	3.75

An extra charge of 25c for orders of less than one dozen of a size.

**BANNER ROOT CUTTERS.**  
Cuts Roots and Vegetables for Poultry and Stock.  
Price, No. 7, for Poultry, \$6.00; No. 15, for Stock, hand and power use, \$15.00.



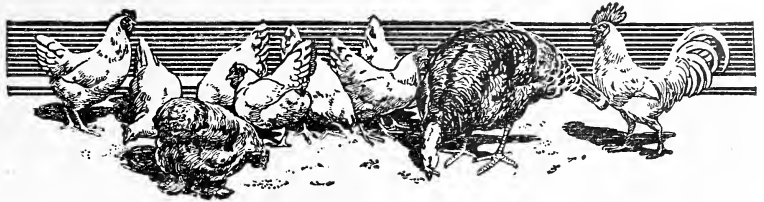
**PRICES DO NOT INCLUDE POSTAGE, EXPRESS OR FREIGHT EXCEPT WHERE NOTED.**





# Lincoln Brand Poultry Feeds

Our Lincoln Brand Poultry Feeds are economical to use because they contain only good clean seeds and grains mixed in the proper proportions to make balanced rations for your birds at every age. That will help your baby chicks grow rapidly, developing strong constitutions and grow into splendid pullets and cockerels. For full grown stock you must supply feeds that will not only nourish their bodies but also enable them to lay eggs. Corn alone makes fat, but very few eggs. The formulas used in our poultry feed mixtures are recommended by the Poultry Department of the Nebraska State Experiment Station.



### LINCOLN BRAND CHICK FEED.

This feed we placed on the market several years ago and our trade has continually increased until we now sell it in carload lots. This feed is made of the sweetest, purest and cleanest cracked grain and seeds of a uniform size and mixed in the proper proportions for the best results for small chickens. The grains we use in this mixture cost more than are ordinarily used as they are especially cracked and cleaned. Feed this for the first few weeks. Always give your chickens plenty of fresh water. 5 lbs., 25c; 50 lbs., \$2.20; 100 lbs., \$4.25.

### LINCOLN BRAND DEVELOPING FEED.

Has no equal for growing chickens. It is a mixture of small and cracked grains and seeds mixed in the proper proportions for the most rapid growth of poultry. Should be fed as soon as chicks get too large to feed Lincoln Brand Chick Feed. 5 1/2 lbs., 25c; 50 lbs., \$2.10; 100 lbs., \$4.05.

### LINCOLN BRAND SCRATCH FEED.

This can be used to follow Lincoln Brand Developing Feed. It consists of eight to twelve different kinds of seeds and grains. It contains no oyster shell or grit, no waste material. The fowl always finds something tempting for which to scratch. Keep the hens busy with Lincoln Brand Feeds and you will not lack eggs. 5 1/2 lbs., 25c; 50 lbs., \$2.10; 100 lbs., \$4.05.

### LINCOLN BRAND LAYING MASH.

A high protein mash for laying hens. It consists of six or eight ground grains with a good proportion of meat scraps mixed in the right proportion for the best results. It is the finest mixture we can prepare regardless of price. Is highly recommended by the State Poultry Experiment Station. Should be fed, in connection with the Lincoln Brand Scratch Feed and kept before them in a hopper of easy access at all times. Be sure and give your laying hens plenty of fresh water. 5 lbs., 25c; 50 lbs., \$2.20; 100 lbs., \$4.25.

### RYDE'S LITTLE PIG MEAL.

Makes Little Pigs Grow.

The secret of successful hog raising is to have the little pigs grow fast. The shorter the time between farrowing and weaning, the greater the profit. Ryde's Pig Meal has no superior for this purpose. Same price as Milk Mash.

### RYDE'S EGG MASH.

An Unequalled Egg Producer.

Supplies hens all the year around with the necessary materials to lay eggs. A highly recommended feed for winter egg production. 4 lbs., 25c; 25 lbs., \$1.40; 100 lbs., \$5.00.

### RYDE'S MILK MASH.

Best Food for Baby Chicks.

Gives the chicks the proper start in life to develop rapidly into profitable fowls. A correct combination

of materials that long experience has shown to give the best results. 4 lbs., 25c; 25 lbs., \$1.40; 100 lbs., \$5.50.

### BUTTERMILK STARTING FOOD.

A ready prepared food for baby chicks, composed of hulled oats, wheat middlings, wheat, corn, prepared Buttermilk, bone, iron, sulphate, gentian root and prepared mustard proportion. Buttermilk Starting Food supplies Buttermilk to the chicks in dry form with only the water eliminated. Supplies all the needs of the chick—except for grit and fine drinking water—until one week old; then add green food. In the second week begin supplying animal food. Also Lincoln Brand Chick feed in litter, to induce exercise and gradually prepare the chicks for the change in feed later on. Feed Buttermilk Starting Food by mixing with small amount of water until crumbly but not pasty or sloppy. Write for price.

### MEAT SCRAPS.

For laying hens may be mixed one part meat scraps to three parts crushed grain, bran or shorts. Wet with hot water, or skimmed milk, preferred. Feed right and morning. 3 lbs., 25c; 50 lbs., \$3.75; 100 lbs., \$7.00.

### BLOOD MEAL.

This is pure, rich, dried blood. Very fine for incubator chicks, as it prevents loss from breaking down or leg weakness. Good to start hens laying. Feed one part blood meal to fifteen parts of mash. 2 1/4 lbs., 25c; 50 lbs., \$4.25; 100 lbs., \$8.00.

### POULTRY BONE.

Should be kept before poultry of all classes, at all times, especially where egg production is desired. They will be the best judges as to the amount they want. Young chickens should be permitted to get it at their pleasure. Large, medium chick and meal. 4 lbs., 25c; 50 lbs., \$2.70; 100 lbs., \$5.25.

### ALFALFA MEAL.

Made from green kiln-dried alfalfa hay. Is very valuable either as feed for chickens or stock. 6 lbs., 25c; 50 lbs., \$1.85; 100 lbs., \$3.50.

### CRUSHED SHELLS.

If you expect your hens to lay eggs you must furnish them with something to make shell. Oyster shells, 13 lbs., 25c; 100 lbs., \$1.50.

### CRYSTAL GRIT.

Not only your large fowls, but your small chickens must have grit. Most so-called chicken cholera is simply indigestion caused by lack of grit with which to grind the food. Large, medium and chick. 13 lbs., 25c; 50 lbs., 75c; 100 lbs., \$1.35.

### CHARCOAL.

This is a most excellent ingredient to mix with mash. 10c per lb., 4 lbs., 25c; 50 lbs., \$2.00; 100 lbs., \$4.00.



## A Complete Stock BIRD SEED, ETC. Clean and Pure

### CANARY (Sticly).

Superior to all other varieties. 1 lb., 35c; 2 lbs., 60c, postpaid; 1 lb., 25c; 2 lbs., 45c, by express.

### RAPE.

Very desirable to furnish variety. 1 lb., 30c; 2 lbs., 55c; postpaid. 1 lb., 20c; 2 lbs., 35c; by express.

### MIXED SEED FOR CANARIES.

All clean, plump seed, in the proportions called for by experienced bird fanciers. 1 lb., 25c; 4 lbs., 95c; 9 lbs., \$2.00; postpaid. 1 lb., 20c; 4 lbs., 75c; by express.

### MAMMOTH RUSSIAN SUNFLOWER.

Most important food for parrots. Very nutritious and is liked by all large seed-eating birds. By freight: 1 lb., 25c; 5 lbs., \$1.00; 50 lbs., \$10.00. Postpaid: 1 lb., 30c; 3 lbs., 80c.

### HEMP, RUSSIAN.

A very rich, oily seed, much liked by all birds. Should be fed sparingly, as it fattens the bird and injures the song. 1 lb., 25c; 2 lbs., 45c; postpaid. 1 lb., 15c; 2 lbs., 30c; by express.

ALL PRICES ON THIS PAGE SUBJECT TO CHANGE.  
PRICES DO NOT INCLUDE POSTAGE, EXPRESS OR FREIGHT EXCEPT WHERE NOTED.



**BIRD SUPPLIES**

**SPECIAL BRASS CAGE.**

The cages listed below are made of brass throughout with spring doors. Either with or without guards. A very durable and attractive cage.

No.	Size	Each	No.	Each
5002 Guard	9x6x11 1/2	\$3.75	5004 Plain	\$2.75
5004 Guard	9 5/8 x 6 1/2 x 11 1/4	4.25	5006 Plain	3.35
5006 Guard	10 1/2 x 7 3/4 x 12 1/4	5.00	5008 Plain	4.00
	10 1/4 x 7 3/4 x 12 1/2			

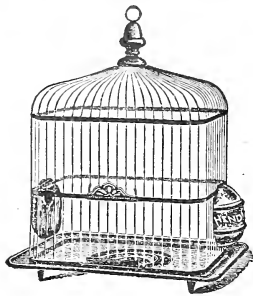
**ROUND BRASS CAGE.** (See cut No. 276.)

One of our best sellers, made of brass throughout and fitted with brass wire guard.

No.	Diameter	Height	Each
274.....	10 ins.	16 ins.	\$6.50
275.....	11 ins.	16 1/2 ins.	6.85
276.....	11 1/2 ins.	18 ins.	7.50



No. 276.



No. 169.

**SPECIAL BRASS CAGES.** (See cut No. 610-G.)

This is undoubtedly the best cage we have. It is very attractive, neat and durable. It is of mission style with brass guard and new style moulding base that pulls out as a drawer.

No.	Size	Each
606 Guard	10 1/2 x 7 3/4 x 13 1/4	\$7.75
610 Guard	13 x 8 1/2 x 14 3/4	9.00

No. 25. This is the fanciest cage we carry. It is roomy and well made throughout. Is made entirely of brass with brass wire guard and drawer base. A very attractive cage. Size 10 1/2 x 8 1/2 x 15 inches high. Price, \$6.50 each.

**JAPANESE OR PAINTED CAGE.** (See cut No. 169.)

This is the common bird cage so much used. It is a painted cage decorated with purple, green or red. It is neat, durable and convenient. It is undoubtedly the best cage on the market for the money. We have it in the following sizes:

No.	Size	Price	No.	Size	Price
162	9 1/2 x 9 1/2 ins.	\$2.75	167	11 x 7 1/2 in.	2.75
165	9 1/2 x 6 1/2 ins.	1.75	169	13 x 8 3/4 in.	3.25

No. 267-G. Same size and similar to No. 167 but with brass guard. Price, \$4.00.

No. 269-G. Same size and similar to No. 169 but with brass guard. Price, \$5.25.

**FANCY HALF GLOBE CAGE.**

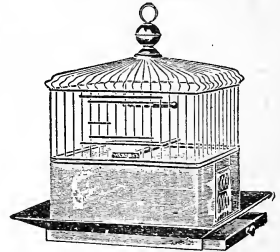
Similar in shape to No. 276. A very popular style, neatly japanned and trimmed in either red, green or blue. Has screen to prevent scattering of seed. No. 6. 10 inches in diameter, 16 3/4 inches high... \$4.00. No. 7. 12 inches in diameter, 18 inches high... 4.50

**DOUBLE BREEDING.**

Has wire and solid partitions, sliding drawer, four cups, six perches, two nests with holders, closed back. White enameled, green trimmed.

No.	Size	Each No.	Size	Each	
86S	17 1/4 x 8 3/4 x 13 1/4	\$4.75	87	22 x 11 x 15 3/4	6.25
86	20 x 10 x 14	5.60	88	24 1/2 x 12 1/4 x 16 1/4	7.75

- Bird Manna, 20c each, postpaid.
- Wire Nests, 20c each, postpaid.
- Brass Springs, 15c each, postpaid.
- Glass Cups, 15c each, postpaid.
- Bird Nesting, 12c each, postpaid.
- Lice Powder, 20c each, postpaid.
- Bird-O-Lene, 25c each, postpaid.
- Bird Gravel, 17c each, postpaid.
- Bird Remedy, 25c each, postpaid.



No. 610-G.

**CUTTLE BONE.**

Important for canaries, parrots and all seed-eating birds. Large, 10c; small, 5c each; postpaid.

**SONG RESTORER.**

It restores to their natural notes, birds which have lost their song from exposure to cold or excessive moulting. The use of one box will bring good results. Use in connection with their daily food. 25c, postpaid.

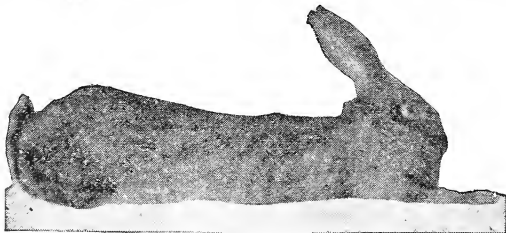


**CANARY BIRDS.**

We have on hand and for sale at all times a choice lot of Canary Birds, Hartz Mountain, German Rollers, etc., guaranteed singers, priced at from \$7.50 to \$15.00 each, delivered to your station. Also a choice lot of females, priced at from \$1.50 to \$3.00. Write for special prices.

**RABBIT REMEDIES AND SUPPLIES**

No other business has known such popularity as the Rabbit industry. At one time Rabbits were merely raised for pets, the children keeping a few in a pen, disposing of the young by giving them to the neighbors. But now their value from a financial standpoint is being recognized; they are as profitable to raise as poultry. Not only are they raised for show purposes, but also for their meat and pelts. It is also a recognized fact that no other animal will produce meat as quickly and as cheaply as they will.



**PRICE LIST.**

We carry in stock at all times a complete stock of remedies and medicines for diseases peculiar only to the rabbit. Do not wait until the rabbit is sick. Keep some medicine on hand.

**SNUFFLE REMEDIES.**

Vitalene, quart cans	\$2.00
Vitalene, 8-ounce bottles	1.00
Wander Oil—the nasal treatment for snuffles, 2-ounce bottles	.50
Snuffle—“Ebco”—2-ounce tins	.50
R-d, Rubber Syringe with hard rubber pipe for administering medicine	.25

Ear Canker Remedy, 1-ounce bottles	.25
Slobber Remedy, 3-ounce boxes	.50
Ointment—for vent diseases, sore hocks, mange, abscesses and all skin diseases	.50

**DISINFECTANTS.**

Germicide Liquid, quart cans	\$1.25
Germicide Powder, 1 1/2-lb. shaker cans	.50
Germicide Powder, 12-lb. pails	2.00

**CONDITION POWDERS.**

Rabbit and Cavy Regulator, 1 1/4-lb. pkgs.	\$1.00
Toneup “Ebco,” 3-ounce box	.35

**FUR STRETCHERS.**

No. 1, Adjustable Steel for Giant Rabbits, each	\$.45
No. 2, Adjustable Steel, medium size, each	.50
Aluminum Ear Tags, 50 for	.70
Aluminum Ear Tags, 100 for	1.35
Gibson Ear Marker	1.00
Gibson's Rabbit Book, Cloth	1.50
Gibson's Rabbit Book, Paper	1.00

**CATNIP MOUSE.**

More fun than a circus. Cats and kittens frolic and cut up all kinds of antics. Delights the children, amuses the grownups. Great funmaker for the whole family, including the pet cat. 10c each, postpaid.



**PRICES DO NOT INCLUDE POSTAGE, EXPRESS OR FREIGHT EXCEPT WHERE NOTED.**



# Good Poultry Remedies

## HEALTHY POULTRY PAYS

Only vigorous, healthy birds can produce profits. If disease enters your flock, act quickly with reliable remedies. Better still, prevent disease before it starts. We recommend Conkey's because we know Conkey's are absolutely dependable. Conkey's must satisfy you or we'll refund your money quick. Send 4c stamps for valuable book on making poultry pay.

### Conkey's Poultry Remedies

Each Article Must Satisfy or You Receive Your Money Back. Send 4c to Pay Postage and Get Big 50c Remedy Book Free.

Roup Cure	Prices Postpaid	Lice Powder	30c and .60
Bronchitis Remedy	.30c, 60c \$1.20	Lice Liquid (1 quart)	\$.60
White Diarrhoea Remedy	.60	Lice Liquid (1/2 gallon)	.90
Cholera Remedy	.30c and .60	Lice Liquid (1 gallon)	1.50
Poultry Tonic	.30c and .60	Fly Knocker (1 quart)	.75
Poultry Tonic, 12-lb. pail, \$1.60; 25-lb. pail	3.00	Fly Knocker (1/2 gallon)	1.25
Head Lice Ointment	.15c and .30	Fly Knocker (1 gallon)	2.00

### PRATT'S POULTRY REMEDIES

"MONEY BACK IF THEY FAIL."

#### PRATT'S LICE KILLER.

Powdered Form.

It quickly and thoroughly kills all lice on little chicks, big chicks, setting hens and incubator chicks. It rids horses, cattle, hogs, dogs and cats of lice, and destroys ticks on sheep. It destroys insects and bugs on vines, plants and flowers. A valuable deodorizer and disinfectant, for all poultry houses, barns, stables and dwellings. Drives out moths from closets, furniture, carpets and clothing. 30c and 60c packages, postpaid.

#### PRATT'S POULTRY DISINFECTANT AND LICE KILLER.

If poultry keepers would regularly spray the chicken houses, roosts, dropping boards and utensils with Pratt's Poultry Disinfectant, most all their troubles would vanish. This great disinfectant is a real wonder-worker in the poultry yard. Put up in 1-quart, 60c, 2-quart, \$1.00, and 1-gallon cans, \$1.75, by express.

Prices Postpaid.

- Pratt's White Diarrhoea Remedy, 30c and 60c packages.
- Pratt's Chicken Cholera Remedy, 30c and 60c packages.
- Pratt's Gape Remedy, 30c and 60c packages.
- Pratt's Condition Tablets, 30c and 60c packages.
- Pratt's Bronchitis Remedy, 30c and 60c packages.
- Pratt's Sorehead and Chickenpox Remedy, 30c and 60c packages.
- Pratt's Scaly Leg Remedy, 30c and 60c packages.
- Pratt's Red Mite Special, 1 quart, 50c; 2 quarts, 90c; 1 gallon \$1.50, by express.

### Don Sung

Makes Hens Lay.

Don Sung (Chinese for egg laying) is a new scientific discovery for hens that stimulates the egg-laying organs and makes the hen healthy, strong and vigorous. As a result, she lays regularly in any season. Don Sung is easily given in the feed, and costs nothing to try. It doesn't force or hurt the hen in any way. In fact it makes her healthier. It is used by thousands of successful poultry raisers, the world over. Price, 50c, postpaid. Large size, \$1.00, holds three times the 50c size, postpaid. Special size, \$5.00, holds six times the \$1.00 size, postpaid.

#### CARBOLA, THE GERM-PAINT. USE INSTEAD OF WHITEWASH.

Carbola is a mineral pigment combined with a germicide twenty times stronger than pure carbolic acid, but is absolutely non-poisonous and non-caustic.

Carbola is ready the minute you mix it with cold or hot water. It does not spoil by standing, so can be kept on hand for use when convenient or on a rainy day. It does not flake or peel. You apply it with a brush or sprayer. **Carbola never clogs the sprayer.** It is used by thousands of poultrymen, dairymen and farmers in all sections of the United States and by many experiment stations and agricultural colleges.

Carbola is so easily prepared and applied that you can easily keep your poultry houses, stables, dairies cellars, etc., thoroughly sanitary and attractive in appearance at all times. Your money back without an argument if it is not what we claim.

10 lbs. (10 gals.), \$1.00; 20 lbs. (20 gals.), \$2.00; 50 lbs. (50 gals.), \$4.00, by express or freight. Trial package (covers 200 square feet) and booklet for 30c, postpaid. Add 25% for points west of the Rockies.



greatly improves turkeys, geese, ducks, pigeons and guineas—insuring quick, healthy growth. Price, 30c, 60c, \$1.20 packages; postpaid. 12-lb. pail, \$1.75; 25-lb. pail, \$3.00; by express

#### PRATT'S POULTRY REGULATOR.

This is the original Poultry Regulator of America, in use by the most successful poultry raisers everywhere. It is a guaranteed egg producer, and when regularly used, hens lay throughout the year. It is a perfect digestive and tonic and will prevent chicken cholera, roup, rheumatism, expel worms, prevent leg weakness, egg eating. It also

#### Dr. Le Gear's Remedies

Prices Postpaid.

- Dr. Le Gear's Poultry Prescription, 30c, 60c and \$1.20 packages; 25-lb. pail, \$3.00, by express.
- Dr. Le Gear's Lice Powder, 30c package.
- Dr. Le Gear's Roup Remedy, 25c package.
- Dr. Le Gear's Cholera Remedy, 25c package.



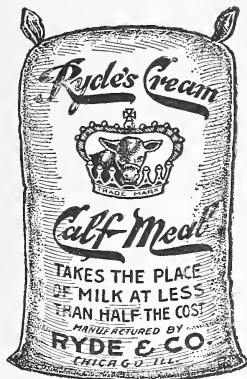
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# Miscellaneous Supplies

## RYDE'S CREAM CALF MEAL



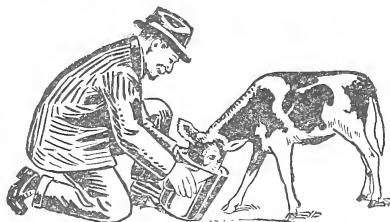
Represents the highest possible attainment as a milk substitute. In it are embodied all the nutritious qualities found in whole milk necessary for the rapid and symmetrical growth of all young stock and it is moreover less than one-third as expensive to feed as whole milk. It is the result of years of painstaking experiments in determining what is "best for calves" not only in chemical analysis, but in practical feeding value, which is of the most interest to the farmer. A mixture of one or two feeding stuffs will not give satisfactory results. It takes a variety of ingredients in the correct proportion of each as found only in Ryde's Cream Calf Meal, where there are nine different ingredients, each one put in for its own particular purpose. These ingredients must first be of the choicest quality obtainable, then be carefully recleaned, finely ground and thoroughly mixed, after which it is cooked at a high temperature by special process, rendering it very easy of digestion and assimilation and can be fed, to calves three or four days old without danger of scouring them.

### FULLY GUARANTEED.

So confident are we that Ryde's Cream Calf Meal will give you results just as good as milk that we guarantee it in every particular. Price: 4 lbs., 25c; 8½ lbs., 50c; 25-lb. bag, \$1.40; 50-lb. bag, \$2.75; 100-lb. bag, \$5.50.

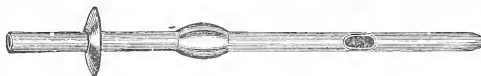
## BLATCHFORD'S CALF MEAL

Raise your calves without milk! Two or three calves can be raised upon Blatchford's Calf Meal at the cost of one raised in the old way. Blatchford's Calf Meal is not an ordinary "feed" or "meal" to be fed indiscriminately, but is a complete milk substitute. It is a highly concentrated, smooth milk-equal. Every pound of it makes a gallon of sweet, wholesome, nutritious milk-equivalent when it is made according to the directions. It builds up fine, handsome calves with fat, sleek bodies in much less than the usual time. Blatchford's Calf Meal is for calves what Mellen's Food is for babies. Raise the finest calves at about half the cost of milk. Prevents scouring. With the help of Blatchford's Calf Meal the calf thrives rapidly during the fall and winter and does not miss the pasture. Try a bag on our guarantee. Price: 4 lbs., 25c; 8½ lbs., 50c; 25-lb. bag, \$1.50; 50-lb. bag, \$2.90; 100-lb. bag, \$5.75.



## Nickel Plated Milking Tubes

Use for sore and obstructed teats and hard milking cows. 2-inch, 2½-inch, 3-inch long. Price, 35c each; postpaid.



## CALF DEHORNER

This comes in the shape of a pencil and is very easily applied. Clip off the hair around the little horn at the time it feels like a button and before it starts through the skin. Dampen it a little with water, and rub it with the Dehorner material. This causes the horn to stop growing, and should be applied when the calf is from five to ten days old. Enough for 25 or 30 calves, price 75c; postpaid.

## MILKOLINE PURE CONDENSED BUTTERMILK FEED PLUS HEALTH

Here's the Greatest Profit-Maker Ever Offered the Poultry and Hog Raiser and Feeder. Send for Booklet.

### WHAT MILKOLINE IS!

The base of MILKOLINE is pure, modified buttermilk, to which essential fats and acids are added. While not intended for human use, a reasonable amount of MILKOLINE Mixture would not harm anyone. It has a pleasant odor and has a good snappy taste. MILKOLINE is positively guaranteed not to spoil, sour, rot or mould in any climate, and will keep indefinitely. Flies do not bother it. In other words, MILKOLINE is simply "Buttermilk Made Better For Feeding."

### WHAT MILKOLINE DOES!

MILKOLINE is not recommended as a cure-all or medicine, but because it tends to keep hogs and poultry healthy, we are willing to match the results against those produced by any remedy for the prevention of disease on the market, regardless of name or price. MILKOLINE tends to shorten the feeding period. Makes Hogs and Poultry have a regular healthy appetite—greatly aids digestion and helps keep the entire system toned up so that there is little, if any, wastage of feed—turns feed, into fat. As near as we can figure MILKOLINE increases the digestibility of grains about one-eighth—this means a saving of at least one-fourth of the grain usually lost through incomplete digestion.

### ONLY 2 CENTS A GALLON

MILKOLINE comes in condensed form. For feeding you simply mix one part MILKOLINE to fifty parts water or swill, feed this mixture just as you would ordinary buttermilk. Full feeding directions sent free with every order. When fed as directed, MILKOLINE Mixture costs only 2 cents a gallon or less. You do not pay freight on water—you add the water or swill on your own farm.

### OUR THIRTY-DAY TRIAL OFFER!

Prove to yourself that you can have bigger, fatter hogs, less disease and make more money from hogs and poultry by feeding MILKOLINE, at a cost of only 2 cents a gallon or less. Prove at our risk, that you can guarantee yourself an extra profit of from \$3.00 to \$10.00 per hog and increased egg production from your hens.

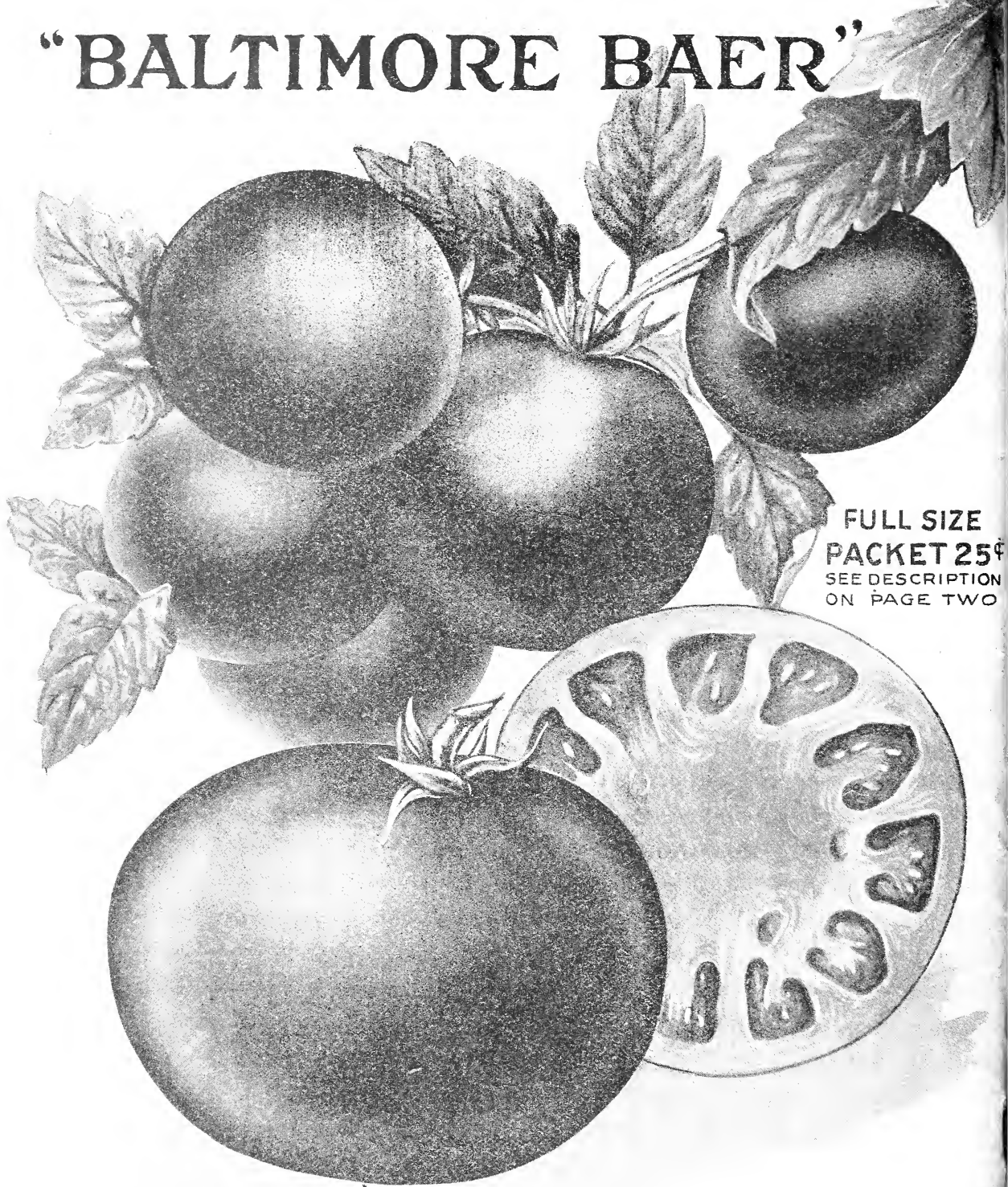
### GUARANTEED THIRTY-DAY TRIAL

We don't ask you to buy MILKOLINE—we merely want you to try it long enough to prove that it will make you mighty good money—so we say—send for a barrel, half a barrel, or any amount you want—take 30 days—to satisfy yourself—then, if for any reason, you are not completely satisfied, ship back the part not used and we will immediately refund every cent paid us.

Prices: 5-gal. keg, \$7.50; 10-gal. keg, \$12.50; 15-gal. keg, \$16.50; 32-gal. barrel, \$32.00; 55-gal. barrel, \$49.50. Prices on smaller packages for poultry raisers given in booklet. Buy in barrel lots—it saves you money.

ALL ABOVE GOODS BY FREIGHT OR EXPRESS UNLESS POSTPAID PRICES ARE GIVEN. PRICES SUBJECT TO CHANGE.

# "BALTIMORE BAER"



FULL SIZE  
PACKET 25¢  
SEE DESCRIPTION  
ON PAGE TWO

**GRISWOLD SEED & NURSERY CO.**  
LINCOLN, NEBRASKA