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# MEYER SEED CO'S GARDEN

# BOOK

15<sup>TH</sup> EDITION

1925



## THE MEYER SEED CO.

32 LIGHT ST.  
BALTIMORE, MD.



# STRAWBERRIES

Distance for Planting and Plants Required per Acre.

Strawberries (commercial use).....3' 8" x 1½'	7,920 plants
Strawberries (garden use).....2½' x 1½'	11,600 plants
Everbearing Strawberries .....2½' x 1½'	11,600 plants

## Extra Early Strawberries

**Charles I**—The earliest strawberry that ripens in the spring. Produces a big crop of large, evenly shaped, well colored berries, particularly adapted for nearby markets. Very productive.

**Premier**—The best early strawberry without a fault. Excellent in quality, color and flavor. Its unusual firmness makes it an ideal shipper. The best early commercial berry today.

Prices on two above varieties: 12 plants, 50c; 25, 70c; 50, \$1.10; 75, \$1.25; 100, \$1.50, postpaid. 1,000, \$10.00 at our store or express collect at your station.

## Second Early Strawberries

**Cooper**—The largest strawberry ever produced. Ripens with second earlies. Plants large and vigorous. Berry has a sweet delicious flavor. A new variety that built its reputation in one year.

Prices: 12 plants, 75c; 25, \$1.00; 50, \$1.50; 75, \$2.00; 100, \$2.75, postpaid. 1,000, \$17.50 at our store, or express collect your station.

**Senator Dunlap**—For many years has been grown as the main crop berry throughout the country. Will produce a full crop in a wider range of soil and climate than any other variety. A very heavy bearer of good sized, uniformly shaped berries of beautiful dark red color.

**Dr. Burrill**—Commonly known as "The Improved Senator Dunlap." Has all the good qualities of Dunlap, but an improvement in every respect.

Prices on two above varieties same as Extra Early varieties.

## Medium Late Strawberries

**Bun Special**—A large brilliant red berry of good quality and flavor. Excellent for either home, garden or market. Hard to beat and an all-round general purpose variety.

**Collins**—One of the best canning strawberries known today. Fruit a deep rich red color, of delicious flavor and firm in texture.

**Eaton**—Best all-round strawberry on the market today. Unusually prolific, fruit large in size. The best in quality and flavor and of unusual firmness, allowing the berry to be safely shipped a distance of 200 miles. Unexcelled for either home gardens or commercial plantings.

**Gibson**—One of the leading market strawberries for the past 15 years. Produces two to four fruit stems on each plant, making it one of the most heavy bearing strawberries. Fruit of fine quality, texture and flavor. Excellent for table use, canning or market. We recommend this highly.

**William Belt**—Of excellent flavor and beautiful appearance, bright red in color. Manner of plant growth is wonderful, making strong plants with abundance of foliage, setting just enough runners to make a good fruiting row.

Prices on above five varieties, same as Extra Early varieties.

## Very Late Strawberries

**Aroma**—Widely grown throughout the country as the standard late variety. A sure cropper. Produces quantities of large berries, uniformly round in shape, and deep glossy red in color, having a tough skin and firm flesh, making it an ideal shipper.

**Pearl**—A new strawberry, and latest known. A first quality berry in point of flavor, size and color of fruit, vigor and hardiness of plant. Produces fine berries that always bring top prices.

Prices on above two varieties same as Extra Early varieties.

## Everbearing Strawberries

**Champion**—The most popular everbearing strawberry known today, even outclassing Progressive, the former standard of excellence. Holds World's Record for largest production. Berries large in size, beautiful color and appearance, of unusually fine flavor. Produces fruit constantly from mid-summer until killing frosts in late autumn.

**Progressive**—An old favorite of the everbearing kinds. Very similar in appearance and quality to Champion, but not as prolific.

Prices on the two above: 12 plants for 75c; 25, \$1.00; 50, \$1.50; 75, \$2.00; 100, \$2.75, postpaid. 1,000, \$17.50 at our store or customer's station.

## An Unsolicited Recommendation

Pocantico Hills, N. Y.,  
November 15, 1924.

Gentlemen:

All the seeds, bulbs, etc., I purchased from you gave entire satisfaction. I am sending you an order for fall bulbs, and one later on for vegetable and flower seeds.



GIBSON—

The Standard  
of Excellence



Cooper

A new variety; to please the most fastidious taste.





# Fifteenth Annual Edition The Meyer Seed Co.'s Garden Book for 1925

(Formerly the Meyer-Stisser Company)

JOHN F. MEYER,  
President and Genl. Mgr.

## WE TAKE THIS OPPORTUNITY

of thanking our many customers for their generous patronage in the past, and to assure them that we will continue to do all in our power to merit their confidence in the future. We have been in business fourteen years and have made continuous strides. This was in large measure due to our many customers, who consistently favored us with their patronage. Our greatest asset has been and is "Our Satisfied Customers."

Our whole efforts and time are unsparingly devoted to uphold the reputation which we have established, and we shall ever be on the alert to support our motto: "Punctuality, Sterling Quality, Courteous Treatment."

## PLEASE READ

We aim to give our customers the best service possible. If we make an error, tell us about it and we'll make it right to your satisfaction. If there is any information you want in our line of business, write us (if you can't call), and we shall be glad to give it careful attention. Our various departments are in charge of experts, who are able to answer intelligently almost all inquiries pertaining to horticulture or agriculture. Always write inquiries on a sheet separate from your order; it means quicker reply.

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

## Order Early—5 per cent Cash Discount

Weather conditions in many of the seed growing sections were very unfavorable this year and caused short crops.

Some varieties of Vegetable Seeds, are so short that some gardeners will have to do without. We suggest that you order early.

"FIRST COME—FIRST SERVED"—You will protect yourself by ordering early and at the same time we can give you better service if you order during January or February, during which months we offer you a special 5 per cent cash discount, for cash retail orders of Vegetables and Flower Seed and Bulbs.

The Order Blanks accompanying this catalog will be convenient for customers and facilitate our filing orders (extra ones mailed on request).

## Remittances

Remittances should be made by Express Money Order, P. O. Money Order, Bank Draft or Registered Letter.

## Accounts

Parties having no account with us—who order goods without remittance—must furnish satisfactory reference. Baltimore reference preferred on account of the shorter delay pending investigation.

## We Forward As Customers Directs—

by mail, express, freight or steamer. When no shipping instructions are given we send according to our judgment.

## Shipping and Packing Charge

We Make No Charge for Shipping and Carting of goods to any railroad station, steamship line or express office. All packing charges at cost.

ORDER BY TELEPHONE—Our Phone Number is Plaza 6916.

## IMPORTANT NOTICE—PLEASE READ

The Meyer Seed Company gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants they send out, and will not be responsible for the crop.

Prices are subject to any advances over present prevailing freight rates, custom duties or war tax, and all deliveries are subject to delay, restrictions, embargoes, crop shortages and all conditions beyond our control. All quotations are made and all orders are booked subject to the above conditions.

Merchandise to be credited must be returned within five days in good order free of expense to us.

## Add Postage to Parcel Post Orders

When seeds are ordered by mail, postage must be added to catalog prices at the regular parcel post rate, according to the zone the purchaser is in. One quart of Peas and Beans, weighing about 2 pounds each, and Corn about 1½ pounds. Packages and ounces are mailed, postpaid.

Pounds	Local	1st	2nd	3rd	4th	5th	6th	7th	8th
1	\$.05	\$.05	\$.05	\$.06	\$.07	\$.08	\$.09	\$.11	\$.12
2	.06	.06	.06	.08	.11	.14	.17	.21	.24
3	.06	.07	.07	.10	.15	.20	.25	.31	.36
4	.07	.08	.08	.12	.19	.26	.33	.41	.48
5	.07	.09	.09	.14	.23	.32	.41	.51	.60
6	.08	.10	.10	.16	.27	.38	.49	.61	.72
7	.08	.11	.11	.18	.31	.44	.57	.71	.84
8	.09	.12	.12	.20	.35	.50	.65	.81	.96
9	.09	.13	.13	.22	.39	.56	.73	.91	1.08
10	.10	.14	.14	.24	.43	.62	.81	1.01	1.20
11	.10	.15	.15	.26	.47	.68	.89	1.11	1.32
12	.11	.16	.16	.28	.51	.74	.97	1.21	1.44
13	.11	.17	.17	.30	.55	.80	1.05	1.31	1.56
14	.12	.18	.18	.32	.59	.86	1.13	1.41	1.68
15	.12	.19	.19	.34	.63	.92	1.21	1.51	1.80
16	.13	.20	.20	.36	.67	.98	1.29	1.61	1.92
17	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04
18	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16
19	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28
20	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40
21	.15	.25	.25	.46	.87	1.28	1.69	2.11	2.52
22	.16	.26	.26	.48	.91	1.34	1.77	2.21	2.64
23	.16	.27	.27	.50	.95	1.40	1.85	2.31	2.76
24	.17	.28	.28	.52	.99	1.46	1.93	2.41	2.88
25	.17	.29	.29	.54	1.03	1.52	2.01	2.51	3.00
26	.18	.30	.30	.56	1.07	1.58	2.09	2.61	3.12
27	.18	.31	.31	.58	1.11	1.64	2.17	2.71	3.24
28	.19	.32	.32	.60	1.15	1.70	2.25	2.81	3.36
29	.19	.33	.33	.62	1.19	1.76	2.33	2.91	3.48
30	.20	.34	.34	.64	1.23	1.82	2.41	3.01	3.60
31	.20	.35	.35	.66	1.27	1.88	2.49	3.11	3.72
32	.21	.36	.36	.68	1.31	1.94	2.57	3.21	3.84
33	.21	.37	.37	.70	1.35	2.00	2.65	3.31	3.96
34	.22	.38	.38	.72	1.39	2.06	2.73	3.41	4.08
35	.22	.39	.39	.74	1.43	2.12	2.81	3.51	4.20
36	.23	.40	.40	.76	1.47	2.18	2.89	3.61	4.32
37	.23	.41	.41	.78	1.51	2.24	2.97	3.71	4.44
38	.24	.42	.42	.80	1.55	2.30	3.05	3.81	4.56
39	.24	.43	.43	.82	1.59	2.36	3.13	3.91	4.68
40	.25	.44	.44	.84	1.63	2.42	3.21	4.01	4.84
41	.25	.45	.45	.86	1.67	2.48	3.29	4.11	4.92
42	.26	.46	.46	.88	1.71	2.54	3.37	4.21	5.04
43	.26	.47	.47	.90	1.75	2.60	3.45	4.31	5.16
44	.27	.48	.48	.92	1.79	2.66	3.53	4.41	5.28
45	.27	.49	.49	.94	1.83	2.72	3.61	4.51	5.40
46	.28	.50	.50	.96	1.87	2.78	3.69	4.61	5.52
47	.28	.51	.51	.98	1.91	2.84	3.77	4.71	5.64
48	.29	.52	.52	1.00	1.95	2.90	3.85	4.81	5.76
49	.29	.53	.53	1.02	1.99	2.96	3.93	4.91	5.88
50	.30	.54	.54	1.04	2.03	3.02	4.01	5.01	6.00
51	.30	.55	.55	1.06					
52	.31	.56	.56	1.08					
53	.31	.57	.57	1.10					
54	.32	.58	.58	1.12					
55	.32	.59	.59	1.14					
56	.33	.60	.60	1.16					
57	.33	.61	.61	1.18					
58	.34	.62	.62	1.20					
59	.34	.63	.63	1.22					
60	.35	.64	.64	1.24					
61	.35	.65	.65	1.26					
62	.36	.66	.66	1.28					
63	.36	.67	.67	1.30					
64	.37	.68	.68	1.32					
65	.37	.69	.69	1.34					
66	.38	.70	.70	1.36					
67	.38	.71	.71	1.38					
68	.39	.72	.72	1.40					
69	.39	.73	.73	1.42					
70	.40	.74	.74	1.44					

## Parcel Post Shipments

Freight limit to 1st, 2d and 3d Zones, 70 lbs.; in other zones, 50 lbs. 4 oz. or less 1 cent per oz., regardless of distance.

Bulk limit to all zones, 84 inches in combined length and girth. Poisons cannot be sent by Parcel Post.

Liquids and goods packed in glass should be sent by express.

## POSITIONS FOR GARDENERS, ESTATE SUPER-INTENDENTS, ETC.

Frequently we have on our register the names of competent Gardeners, Superintendents, Farmers and Poultrymen who desire positions. We are always pleased to put them in communication with parties desiring services of such men. We are careful to recommend only reliable persons, and there is absolutely no charge for this service to employer or the one employed.

Members of ASSOCIATION OF ARMY & NAVY STORES, Inc.





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Plant in succession.  
Keep your garden space  
busy all the time, and you  
will be eating fresh vegeta-  
bles all summer at a profit.

# Planting Calendar

Make Your Garden Work  
Spring, Summer, and Fall.

## FLOWERS

### MARCH

Sow Outdoors	
Sweet Peas.	
Plant Indoors	Set Out
Ageratum	May 1
Antirrhinum (Snap- dragon)	May 15
Asters	May 10
Carnation, Marguerite.	May 1
Celosia, Cockscomb.	May 1
Cobea scandens	May 1
Heliotrope	May 10
Hollyhock	May 10
Lobelia	May 1
Pansy	May 1
Petunia	May 1
Salvia	May 1
Stocks (Gilliflower).	May 15
Verbena	May 1
Wallflower	May 1

### APRIL

Sow outdoors Nasturtiums.  
All those listed for March  
may also be planted in April,  
and, in addition, the following:

Sow Indoors	Set Out
Alyssum	May 1
Calendula	May 1
Coleus	May 15
Cosmos, Late	May 1
Dahlias	May 1
Delphinium Chinese.	May 15
Gourds, Ornamental	May 1
Helianthus Sunflower.	May 1
Marigold	May 1
Mignonette	May 1
Nicotiana	May 1
Phlox Drummondii.	May 1
Poppy, Iceland.	May 15
Ricinus (Caster-Oil Plant)	May 10
Salpiglossis	May 10
Scabiosa	May 1
Vinca rosea	May 10
Zinnia	May 1

### MAY

This is the month of outdoor  
sowing and planting. The fol-  
lowing list of flowers com-  
prises those which may be  
sown in the open, and which  
will mature into perfection  
before frosty weather sets in.

Sow Outdoors
(Do not require transplanting)
Sweet Alyssum
Calendula
Calliopsis
Candytuft
Centauria (Bachelor's Button)
Chrysanthemum, Annual
Clarkia elegans
Cosmos, Early

### MAY—Continued

Delphinium Chinese
Dianthus (Chinese Pinks)
Eschscholtzia (California Poppy)
Gaillardia (Blanket Flower)
Godetia
Ornamental Gourds
Helianthus cucumerifolius (Miniature Sunflower)
Hunnemannia fumariaefolia
Larkspur, Annual
Lupins, Annual
Marigold
Mignonette
Morning Glory
Nasturtiums
Petunia
Phlox Drummondii
Poppy
Portulaca
Salpiglossis
Scabiosa
Verbena
Zinnia

and all other annuals  
(Should be transplanted)

Asters
Balsam
Celosia (Cockscomb)
Cosmos, Late
Dahlias
Marigold
Mignonette
Nicotiana
Ricinus

### JUNE

This is the month to sow  
perennials. The varieties listed  
below can easily be grown  
from seed. All of them may  
be sown from June till middle  
of September.

#### To Remain Where Sown

Alyssum saxatile compactum.
Aconitum (Monks Hood)
Aquilegia (Columbine)
Asters, Hardy
Coreopsis
Campanula (Bluebells)
Candytuft, Sempervirens
Hibiscus
Lupins
Poppies, Iceland
Poppies, Oriental
Sweet William
Valerian (Garden Heliotrope)
To Be Transplanted
Canterbury Bells
Delphinium (Larkspur)
Digitalis (Foxglove)
Gaillardia grandiflora
Hollyhocks
Pyrethrum

## FLOWERS—Continued

### JULY

This is the most important  
month for sowing some flower  
seeds. The following biennials,  
if sown in July and transplant-

ed in August or September, will  
flower the following spring.

Variety
Bellis (English Daisies)
Pansies
Myosotis (Forget-me-not)

## Bulbs, Tuberos Roots and Potted Plants

### MAY

Plant Outdoors
Begonias
Caladiums
Peonies
Cannas
Dahlias
Gladioli
Tuberose

### SEPTEMBER, OCTOBER AND NOVEMBER

Plant Outdoors
Hyacinths
Tulips
Narcissus
In fact, all Spring Flowering Bulbs.
Lilies
Jonquils
Crocus

## VEGETABLES

### MARCH

The only vegetables to be  
planted out-of-doors in March.  
All early peas and onion sets.  
There are a number of vegeta-  
bles, however, which may be  
started indoors or in hotbeds.

Plant Indoors	Set Out
Artichoke, Globe.	June 1
Cabbage, Early.	April 1
Cauliflower, Early.	May 1
Celery	June 1
Eggplant	May 15
Kohlrabi	April 15
Lettuce	April 15
Parsley	May 1
Pepper	May 15
Tomato	May 1

### Outdoors

Peas, Early Smooth
Onion Sets

### APRIL

All the seeds mentioned in  
the March table can be started  
in April, and also the follow-  
ing:

Plant Indoors	Set Out
Beets	May
Brussels Sprouts	June
Cabbage, Late	June
Cauliflower, Late	June

### Plant Outdoors

Asparagus,	Parsley
Beets	Parsnip
Carrots	Peas, Early
Cress	Wrinkled
Kohlrabi	Potatoes
Lettuce	Radish
Mustard	Rhubarb, Root
Onion Seed	Swiss Chard
Onion Sets	Squash
	Turnip

Set out Lettuce started in-  
doors in March.

### MAY

#### Plant Outdoors

Asparagus Seed	Watermelon
Beans, Bush	Okra
Beans, Pole	Peas, Late
Corn, Sugar	Pumpkin
Cucumber	Squash
Muskmelon	

All the seeds mentioned in  
the April table may also be  
sown in May.

Set out early cabbage, early  
cauliflower and tomato plants  
started indoors in March and  
April.

### JUNE

#### Plant Outdoors

Beans, Late Bush
Beans, Late Pole

Set out Globe artichokes,  
Brussels sprouts, late cabbage,  
cauliflower, celery, eggplants,  
and peppers which have started  
indoors.

Plant Swiss chard, sugar  
corn, lettuce, late peas,  
radishes, beets and turnips for  
late crops.

### JULY AND AUGUST

#### Plant Outdoors

Stringless Green Pod Beans
Stringless Wax Pod Beans
Ruta Baga
Winter Radishes
Kale, Turnip
Spinach

### SEPTEMBER AND OCTOBER

#### Plant Outdoors

Corn Salad, Spinach
Kale, Multiplying Onion

#### Plant Under Glass

Lettuce, Parsley
Early Radishes

## Grow Vegetables for Winter Use

After you have harvested your early crop of vegetables why  
not plant a second crop for winter use?

It is in winter that vegetables cost most.  
Your garden can be made to save you a great deal of money  
if you plant succession crops during the summer and early fall.

Sow **Beets** and **Carrots** any time during June. **Turnips** are  
sweetest if planted the latter part of June or early in July.

**Summer Radishes** can be sown all during June and July.  
**Sweet Corn** sown the middle of June will give fine tender ears  
early in October. A row of **Bush Beans** planted during the first

week of July will bear an immense crop of juicy and snappy pods  
until frost.

**Cucumbers** planted the last two weeks in June will make the  
finest pickles you ever raised.

Also try a row of **Chinese Cabbage**. It does best if planted  
early in August. For a good supply of crisp and juicy **Head  
Lettuce** for the fall table, sow the seed about the second week in  
July. And don't forget to sow a long row of **Spinach** any time  
during August, to give plenty of greens until snow covers the  
ground.



# Spraying Table

Use insecticides at the right time—and keep your plants and flowers free from insect pests

WHAT TO SPRAY AND WHAT TO SPRAY FOR	SPRAY WITH	TIME OF FIRST SPRAYING	TIME OF SECOND SPRAYING	TIME OF THIRD SPRAYING
<b>APPLES—</b>				
Bitter Rot.....	Bordeaux mixture.....	First appearance of rot.....	One to two weeks later.....	Two weeks later.
Canker Worm.....	Arsenate of lead, paris green, pyrox.....	On first appearance of worms...	Two or three days later if worms remain.....	Same as second.
San Jose Scale.....	Scalecide or Commercial lime-sulphur.....	Just as the leaf buds are swelling.....	Just before the flower buds open.	As soon as the petals have fallen.
Scab.....	Scalecide or lime-sulphur.....	After the leaves have come out, but before the flower buds appear.....	Within eight days from the time petals drop.....	One month later
Codling Moth.....	Arsenate of lead, pyrox.....	Within eight days from the time the petals drop.....	One month later.	
<b>ASPARAGUS—</b>				
Beetle.....	Arsenate of lead, pyrox.....	Early spring.		
Rust.....	Bordeaux mixture.....	After cutting crop.....	Ten days later.....	Ten days later.
<b>CABBAGE AND CAULIFLOWER.....</b>	Slug Shot, Bug Death, Pyrox...	On first appearance of worms...	Whenever worms are noticed.	
<b>CELERY.....</b>	Bordeaux mixture.....	On young seedlings.....	Repeat on seedlings.....	Before or after transplanting.
<b>CHERRY—</b>				
Aphis.....	Kerosene emulsion.....	At first appearance.....	Repeat as necessary.	
San Jose Scale.....	Scalecide or Commercial lime-sulphur.....	Spray same as for apples.		
Leaf-spot.....	Scalecide or lime-sulphur.....	Just before blossoms open.....	When fruit is free from calyx.	
<b>CUCUMBERS—</b>				
Anthraxnose.....	Bordeaux mixture, pyrox.....	When plants begin to run.....	Two weeks later.....	Two weeks later.
Downy Mildew.....	Bordeaux mixture.....	When plants begin to run.....	Ten days later.....	Nine days later
<b>CURRENT—</b>				
Leaf-spot.....	Bordeaux mixture.....	As leaves are unfolding.....	Two weeks later.....	Two weeks later.
Worm.....	White hellebore, pyrox.....	When they first appear.....	In three or four days.....	Repeat three or four days later.
<b>GOOSEBERRY—</b>				
Leaf-spot.....	Bordeaux mixture.....	Before leaves start.....	Two weeks later.....	Two weeks later.
Worm.....	Same as for currants.			
Mildew.....	Grape dust.....	When buds are breaking.....	Repeat every ten days until fruit is gathered.	
<b>GRAPE—</b>				
Anthraxnose.....	Bordeaux mixture.....	Just before the buds open.....	Just before blossoming.....	After fruit has set.
Berry Moth.....	Arsenate of lead.....	Before blossoms are ready to open.....	After blossoms have fallen.....	Ten days later.
Downy or Powdery Mildew.....	Bordeaux mixture.....	Just before blossoming.....	After fruit has set.....	Ten days later.
Rot.....	Bordeaux mixture.....	Just before blossoming.....	Just after fruit has set.....	Eight days later.
<b>MUSKMELON—</b>				
Anthraxnose.....	Bordeaux mixture, pyrox.....	When plants begin to vine.....	Two weeks later.....	Two weeks later
Downy Mildew.....	Bordeaux mixture.....	July 25 to August 1.....	Ten days later.....	Nine days later.
Leaf-blight.....	Bordeaux mixture.....	When plants begin to vine.....	Three weeks later.....	Three weeks later
<b>PEACH—</b>				
Leaf-Curl.....	Scalecide, lime-sulphur or bordeaux mixture.....	In March or April, or both, to make doubly sure.....	Two or three weeks later.	
Brown Rot.....	Self-boiled lime-sulphur and arsenate of lead.....	About time shucks are shedding from young fruit or on first appearance.....	After fruit has set.....	About one month before fruit ripens. Omit arsenate of lead.
Scab.....	Bordeaux mixture.....	Just as buds begin to swell.....	After fruit has set.....	Repeat later when fruit is about half grown.
San Jose Scale.....	Scalecide or lime-sulphur.....	Spray same as for apples		
<b>PEAR—</b>				
Leaf-blight.....	Bordeaux mixture.....	Cut out the branches on first appearance on twigs.	After blossoms fall.....	Repeat at intervals of three to seven days.
Psylla.....	Kerosene emulsion or whale-oil soap.....	In winter use commercial lime-sulphur for eggs.		
<b>PLUM—</b>				
Curcilio.....	Arsenate of lead.....	With starting of buds.....	Just after blossoms drop.....	Five days later.
Aphis.....	Whale-oil soap.....	On Appearance of Aphis.		
Shot-hole Fungus.....	Scalecide, lime-sulphur or bordeaux mixture.....	When leaves are half grown.....	Three weeks later.....	Three weeks later if necessary.
Rot.....	Bordeaux mixture.....	As buds are swelling or on appearance.	Just after calyx drops.....	Three or four weeks later.
<b>POTATO—</b>				
Early blight.....	Bordeaux mixture, pyrox.....	When plants are 6 inches high..	Seven to ten days later.....	Two weeks later.
Late blight.....	Bordeaux mixture, pyrox.....	As for early blight to July.....	July 15 to 20.....	Two weeks later.
Potato Beetle.....	Paris green, micro, slug shot bug death, pyrox.....	When pest appears.....	Repeat if necessary.	
<b>RASPBERRY—</b>				
Anthraxnose.....	Bordeaux mixture, pyrox.....	Before leaves open.....	When new canes are 6 to 8 inches high.....	Ten days later.
Saw-fly.....	Paris green and arsenate of lead or hellebore.....	When pest appears.....	Repeat in three or four days.	
Leaf-spot.....	Bordeaux mixture.....	When leaves are half grown.....	Two weeks later.....	Two weeks later.
<b>ROSE—</b>				
Leaf-spot.....	Bordeaux mixture.....	On first appearance of fungus...	Two or three weeks later.....	Repeat if necessary.
Mildew.....	Powdered sulphur			
Slug.....	Thanatus, black leaf 40.			
	Nicofume Liquid.....	On appearance of slugs.....	Repeat if necessary.	
<b>STRAWBERRY—</b>				
Leaf-spot.....	Sulphate of iron, bordeaux mixture.....	Soon after growth begins.....	Make three or four sprayings during season.....	The following spring spray just before blossoming and again 10 days later.
<b>SQUASH—</b>				
Aphis.....	Kerosene emulsion.....	Spray under side of leaves.		
Lady Beetle.....	Arsenate of lead, pyrox.....	As soon as pest appears.		
<b>TOMATO—</b>				
Anthraxnose.....	Bordeaux mixture, pyrox.....	Soon after fruit begins to set	Three weeks later.....	Three weeks later.
Leaf-blight.....	Whale-oil, soap and water	Three weeks after transplanting	Three weeks later.....	Three weeks later.
White Fly.....	Bordeaux mixture.....	Spray underside of leaves thoroughly.		

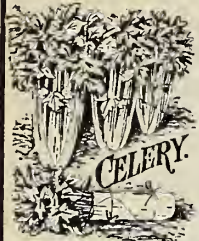
August 24, 1924.

Gentlemen,—It affords me great pleasure to inform you that your M. & S. Seeds which I used this season were all that was claimed of them. Everything came up in fine style and yielded abundantly.

Yours very truly,

MRS. MARY V. EARP, Elkridge, Md.





## Vegetable Plants and Roots

### SPECIAL NOTICE

All of our plants are produced from our M. & S. Sure Growing Seeds, and will give wonderful results. If wanted in larger quantities, write for special quotations.

### ARTICHOQUES (Ready in April)

Jerusalem—Used for the table and stock feeding. Qt. 35c; peck \$1.50; per bushel of 60 lbs. \$5.00.

### ASPARAGUS ROOTS (Ready Oct. 15 to May 15)

The two-year-old roots usually produce two years after planting.

2-Year-Old Roots.	Doz.	100	1000
Giant Argenteuil (Light Green Stalks) ..	\$0.30	\$1.25	\$10.00
Columbian Mammoth White (White Stalks) ..	0.30	1.25	10.00
Conover's (Green Stalks) ..	0.30	1.25	10.00
Palmetto (Green Stalks) ..	0.30	1.25	10.00
Washington (Dark Green Stalks).....	0.60	2.50	20.00

### BEEF PLANTS (Ready April 1)

Popular Varieties—15c doz.; 60c per 100; by mail, add 5c to doz.; 15c to 100.

### BORECOLE PLANTS (Ready July 1)

20c doz.; 75c per 100; by mail, add 5c to doz.; 15c to 100.

### BRUSSELS SPROUTS (Ready in July)

Matchless Improved—12 for 25c; 75c per 100; per 1000, \$6.00. If wanted by mail, add 10c per 100 for postage; 5c per doz.

### FROST-PROOF CABBAGE PLANTS

Our FROST-PROOF CABBAGE PLANTS mean increased profits for the Market Gardener, and earlier cabbage for the Home Gardens, as they produce heads at least two or three weeks earlier than plants grown in hot beds or cold frames. These FROST-PROOF CABBAGE PLANTS are grown out in the open field without protection along the Atlantic Coast, thus being hardened as they grow by the season's cold. During the transplanting period they are practically dormant and can be shipped thousands of miles in good condition. They are tough and hardy and will stand any reasonable cold, even as low as 20 degrees above zero without damage to them.

These plants do not begin any new growth of their tops until the spring weather arrives, however, the roots of the plants have become so firmly established that the warm spring sunshine soon hastens the growth of them. The fact that the root conditions are so well provided for and a hardy top ready to begin growth insures you of a crop of mature heads weeks earlier than plants grown from seed sown in your hotbeds or cold frames. On account of this earlier maturity your crop of cabbage will be marketed long before the average cabbage grower markets his, hence your increased profits.

We advise all cabbage growers to set these plants at least a month to six weeks earlier than you would set home-grown plants to get the desired results.

These plants are shipped direct to you from our growing stations along the Atlantic Coast, and we advise you to send in your order about a week or ten days before plants are wanted, as it takes a few days to get plants to you.

You risk nothing in sending in your order to us for these plants as we positively guarantee good order delivery, full count and complete satisfaction or your order duplicated free or money refunded. Terms cash with order. No plants shipped C. O. D.

Varieties—Early Jersey Wakefield, Charleston Large Wakefield, Succession and Large Flat Dutch. Plants are ready for shipment from November to June.

Prices by parcel post prepaid: 50c per 100; 500 for \$1.75; 1,000 or more at \$3.25 per 1,000 plants.

By express charges collect: \$2.00 per 1,000; 10,000 lots and over at \$1.50 per 1,000, cash with orders.

### CABBAGE PLANTS (Season beginning April 1)

Early Sorts—From hot beds. 15c per doz.; 50c per 100; per 1000, \$4.00.

Late Sorts—Popular varieties. 15c doz.; per 100, 50c; \$4.00 per 1000. If cabbage plants are wanted by mail, add 10c per 100 for postage; 5c doz. Ready May 1st.

### CAULIFLOWER PLANTS (Ready April 1)

Snowball, variety only—From hot beds. 25c per doz.; \$1.50 per 100. By mail, add 5c per doz., or 10c per 100 for postage charges.

### CELERY PLANTS (Ready in July)

M. & S. Monarch, Golden Heart, White Plume, Giant Pascal, Winter Queen and Golden Self-Blanching. 25c dozen; 75c per 100; \$6.00 per 1000. By mail, allow 10c per 100 for postage; 5c per dozen.

### EGG PLANTS (Ready after May 1)

Sold in pot-grown stock only.  
M. & S. Ebony King and Black Beauty—7c each; 75c doz.; \$5.50 per 100. Best sent by express. Mail, add 2c to each plant.

### HORSE RADISH ROOTS (Ready in March)

Maliner Kren (Bohemian)—Large, strong cuttings, 35c per doz.; per 100, \$1.00; \$7.00 per 1,000. If Horse Radish are wanted by mail, add 10c per 100 for postage; 5c per doz.

### KOHL RABI PLANTS (Ready April 1)

Early White Vienna—20c doz.; 75c per 100; by mail, add 10c per 100; 5c doz.

### LETTUCE PLANTS (Ready April 1)

Leading varieties—10c doz.; 50c per 100; \$4.00 per 1,000. If wanted by mail, add 10c per 100 for postage; 5c doz.

### MINT—20c per Clump

### PEPPER PLANTS (Ready in May)

Ruby King and Chinese Giant (sweet), Bull Nose (hot), and Long Red Cayenne.—Hot Bed Grown. 25c per doz.; per 100, \$1.50. By mail, add 10c 100; 5c doz. Potted plants, sweet varieties only, 6c each; 60 doz.; \$4.50 100; if to go by parcel post, add 1c to each plant.

### RHUBARB ROOTS (Ready October to May 15)

Victoria—First Size Roots. 10c each; \$1.00 per doz.; per 100, \$7.50. Allow 5c each or 20c dozen for postage, if wanted by mail.

### SWEET POTATO PLANTS (Ready in May)

Yellow Big Stem and Up Rivers—50c per 100; 1,000, \$4.00. If wanted by mail, allow 15c per 100 for postage.

### TOMATO PLANTS (Ready after April 15)

Pot-Grown Plants in the following varieties only: Earliana, M. & S. Incomparable, Chalk's Jewel, 5c each; doz. 50c; \$4.50 per 100. By mail, add 1c per plant.

Hot-Bed Plants all kinds and the best as above. 20c per doz.; per 100, 60c. By mail, allow 5c per doz.; 15c per 100.



# Asparagus—Seeds and Roots

(German—Spargel. French—Asperge)  
(ROOTS READY AFTER MARCH 1st)

One ounce to forty feet of drill; 5 lbs. per acre.  
7,300 Asparagus Plants are needed to plant an acre.



Asparagus Giant Argenteuil.

**CULTURE**—Sow in March or April, in rows one foot apart. When two years old transplant into permanent beds, which should be well and deeply manured, and trenched to the depth of two feet. In planting for private use, set out in beds five feet wide, three rows in a bed, the outer being each one foot from the edge, and allow eighteen inches between the rows; set the plants from four to six inches below the surface. If set out in autumn, topdress with six inches of manure. For market on a large scale, set out four by one and one-half feet. On the approach of winter cover with manure or compost; fork the beds early in spring, and apply a dressing of salt. Cut for use the second year after planting in permanent bed. Never cut too closely. The roots need the benefit of some foliage during the year, else they will weaken and die. Slugs are easily destroyed by applying air-slacked lime or paris-green.

**Giant Argenteuil**—A new and entirely distinct variety that produces shoots that are very thick, green, with a purple tinge, heads slightly pointed, close. Pkg. 10c; oz. 15c; ¼ lb. 25c; 1b. 75c.  
**Columbian Mammoth White**—Pkg. 10c; oz. 15c; ¼ lb. 25c; 1b. 75c.  
**Washington**—This asparagus, which has been selected by the United States Department of Agriculture, Washington, D. C., has proven to be nearly rust-free. The shoots are thick and heavy. They are long and straight, with closely folded tips. The color is rich dark green, tinted darker at the tips. It is a heavy yielder of exceptionally fine flavor. Pkt. 10c; oz. 40c; ¼ lb. \$1.25; 1b. \$4.00.

**Conover Colossal**—Of large size, tender and of excellent quality. Green shoots. Pkg. 10c; oz. 15c; ¼ lb. 25c; 1b. 75c.

## PALMETTO

It is of very large size, even and regular in growth and appearance. It is a very early sort, and immensely productive and of the best quality. Green shoots. Pkg. 10c; oz. 15c; ¼ lb. 25c; 1b. 75c.

For Plants, see page 5.

## Accessories for Asparagus Culture



**Asparagus Buncher**—Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform. With Knife Guard, \$4.00. Parcel post weight, 8 lbs.

**Asparagus Knife**—V-shaped blade, 40c. Parcel post wgt., 1 lb.

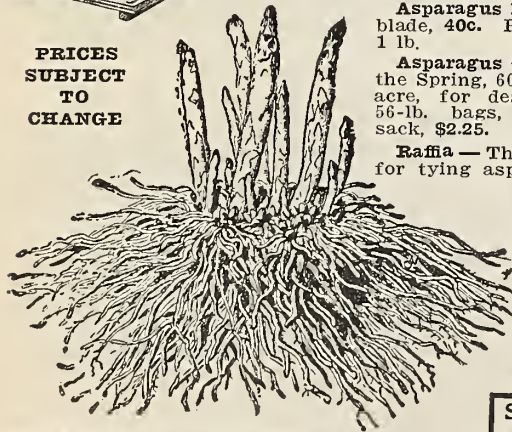
**Asparagus Salt**—Applied in the Spring, 600 to 800 lbs. per acre, for destroying weeds. 56-lb. bags, \$1.25; 140 lb. sack, \$2.25.

**Raffia**—The ideal material for tying asparagus, 20c per lb. in hanks. Special price in quantity; hank runs about 2½ pounds.

**Jute Twine**—Very soft and pliable. 15c per ball. Special price on quantities on application.

**STIMUPLANT**  
Makes a  
WONDER GARDEN

PRICES  
SUBJECT  
TO  
CHANGE



Two-Year-Old Asparagus Plants, see page 4.

Use Manure for your garden crops. We can sell you a whole wagon load in a bag of M. & S. Sheep or Cattle Manure, for much less money.

# Artichokes

**Large Green Globe**—This is a very delicious vegetable. Some prefer it cooked like asparagus—that is, take the flower head before it begins to open and cook much the same as asparagus. Pkt. 10c; oz. 50c.

**Artichoke Roots (Jerusalem)**—The tubers roasted or boiled, served with butter, salt and pepper, make a dish some think superior to potatoes. They are most excellent feed for cows, and will cause an increase in quantity and quality of milk. Price, see page 4.



Large Green Globe Artichokes.

A plant much resembling the Cauliflower. Broccoli requires a longer season to develop than Cauliflower. It has more numerous and stiffer leaves; heads are smaller. Treat same as Cabbage.

One ounce of seed to 200 feet of row.

**Early Large White**—Heads medium size, close and compact. One of the most certain to head. Pkt. 10c; oz. 50c.

**Early Purple Cape**—Rather harder sort, with greenish-purple heads, good flavor. Pkt. 10c; oz. 50c.

# Brussels Sprouts

(German—Rosenkohl)  
(French—Choux de Bruxelles)

Improved Dwarf Brussels Sprouts.



A variety of the Cabbage family, possessing the peculiarity of bearing upon its stem or stalk from fifty to one hundred buds resembling miniature Cabbage heads. The leaves composing these heads resemble Savoy Cabbage in their crumpled texture and also in their color. The heads or buds, one to two inches in diameter, form one of the most delicious garden vegetables, only equalled by the Cauliflower. Treat same as Cabbage.

**Columbian Mammoth White**—Pkg. 5c; oz. 10c; ¼ lb. 25c; 1b. 75c.

**Improved Dwarf**—Produces compact sprouts of finest quality; a good keeper. Pkt. 10c; oz. 20c; ¼ lb. 75c; 1b. \$2.00.

For Plants, see page 5.

The secret of a successful garden lies in the kind of fertilizer used. This is where you get a wagon load in a 100-lb. bag.

**Wizard Brand Sheep Manure**—Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. This is where you get a whole cart load of manure in a 100-lb. bag at a much lower figure. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.00; 500 lbs. \$12.50; 1,000 lbs. \$24.00; per ton, \$45.00.



**Wizard Brand Cow or Cattle Manure (Shredded)**—Convenient to handle, making it possible for everyone to get this usually scarce article at all times. This is where you get a wagon load of manure in a 100-lb. bag. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.50; 500 lbs. \$15.00; 1,000 lbs. \$27.50; per ton, \$52.50.



## BEANS—Bush Beans (Green Pod)

(German—Bohnen—French—Haricot Vert)  
Bushel Prices of Beans on Application.

**CULTURE**—The seed should not be planted before the ground becomes light and warm, in favorable seasons, usually about the middle of April to first of May. The soil should be rich and mellow, and the seeds scattered about three inches apart in drills two feet apart, and covered about two inches deep. Successive sowings made at intervals of about two weeks until August 15th, will give a plentiful supply of Beans all season. One quart of seed will sow 100 feet of drill; two bushels will sow an acre. We furnish 10c packages of all Beans.

**Burpee's Stringless Green Pod**—An ideal variety having round, slightly curved, fleshy and exceedingly tender pods. Matures a few days earlier than the Giant sort. Pt. 30c; qt. 50c; pk. \$3.25; bus. \$12.50.

**Hopkins Improved Extra Early Red Valentine**—One of the most popular early snap beans with round, fleshy pods about five inches in length; very brittle, tender and of fine quality. Pt. 30c; qt. 50c; pk. \$3.00.

**Black Valentine, or May Queen**—Has very long handsome round pods, and being immensely productive places this variety as one of the most profitable for the market gardener. It is very early. Pt. 30c; qt. 50c; pk. \$3.25; bus. \$12.50.

**Bountiful**—Easily the earliest and most productive flat, green-podded, stringless bush bean in cultivation today. Under favorable conditions of soil and season this variety has been known to bear one bushel of pods per 15-foot row, in the course of the season. The pods average 6 inches long, by 3/4 inches wide, are thick through, of pleasing light green color, very brittle and absolutely stringless at all stages of development. Bountiful tastes as good as it looks. Pt. 30c; qt. 50c; peck \$3.50; bus. \$13.00.

### M. & S. Giant Stringless Green Pod Beans

Of finest quality, large handsome pods, some of which measure fully 6 inches in length. Very productive, very fleshy and entirely stringless. Specially adapted to the home garden. Pt. 30c; qt. 50c; pk. \$3.50; bus. \$13.00.

**Full Measure**—A recent introduction. Heavy light green foliage. Very prolific. Pods 5 1/2 to 6 inches long, stringless, round, slightly curved, very good quality. Pt. 30c; qt. 50c; pk. \$3.25; bus. \$12.50.

**Dwarf Horticultural, or Cherry**—This is a broad, long, flat, meaty bean, very productive, of delicious flavor; absolutely stringless. It also makes a good dried bean for winter. Pt. 30c; qt. 50c; pk. \$3.00.

**White Navy, or Boston Pea Beans**—Yields large quantities of white shell beans, which are used for baking. Pt. 25c; qt. 40c; pk. \$2.75.

We furnish 10c packages of all Beans.



Burpee's Stringless Green Pod Beans.

Gentlemen.—The seed which you have produces the best whenever I am in need of some.

## Wax Pod Varieties



M. & S. Sure Crop Stringless Wax.

**M. & S. SURE CROP STRINGLESS WAX**—This is a grand bean of recent introduction. Absolutely stringless and a great rust resister. Will produce an abundance of long yellow flat pods. Pt. 30c; qt. 50c; pk. \$3.25; bus. \$12.50.

**Currie's Rust-Proof Black Wax**—Valuable for general use, being early, hardy, and a heavy yielder. Extra long flat pods of fine color and not apt to rust. Pt. 30c; qt. 50c; pk. \$3.25; bus. \$12.50.

**Dwarf Black Wax**—Pencil pod strain. It is so good that it is worthy of special notice. The pods are round, brittle, of handsome golden yellow color, and of buttery flavor when cooked. Pt. 30c; qt. 50c; pk. \$3.00; bus. \$10.00.

**Wardwell's Kidney Wax**—In growth of vine and productivity this variety exceeds any other wax-podded bean. The long flat pods are of handsome appearance and usually free from rust. Pt. 30c; qt. 50c; pk. \$3.25; bus. \$12.50.

**Improved Golden Wax**—Small plants of erect growth, bearing flat thick pods about 5 inches in length, and of excellent quality. An early and reliable variety, recommended for home use. Pt. 30c; qt. 50c; pk. \$3.25; bus. \$12.50.

**Round Pod Kidney Wax**—This mid-season variety is exceedingly handsome and very desirable, especially for snaps for the home garden. Vines dwarf, spreading and very productive. Leaves roughened. Pods long, slightly curved, light yellow, wax-like, stringless and of the best quality. They are uniformly perfect, an ill-shaped one being rarely seen. Seed long, cylindrical, medium-sized, nearly white, with a little dark marking about the eye. Pt. 30c; qt. 50c; pk. \$3.00; bus. \$10.00.

### Pole String Beans (GREEN AND WAX POD)

CULTURE—Same as Pole Lima.

**M. & S. Golden Cluster Wax**—Deep yellow flat pods, often 8 inches long. Heavy yielder, bearing in large clusters. Pt. 30c; qt. 60c; pk. \$3.00.

**Yard Long, or Snake Beans**—This is an ornamental as well as useful pole bean. Produces an abundance of dark green foliage and stringless green pods, often measuring from two to three feet long, which when cooked make a delicious dish. Seeds very small. Pkt. 10c; oz. 25c.

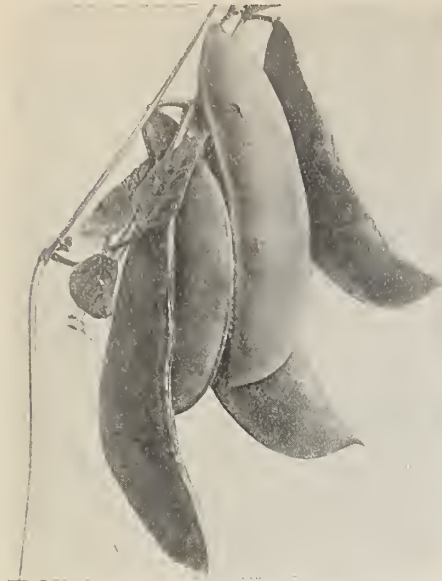
**Horticultural or Pole Cherry**—Pods green, dashed with red when beans are matured. Very showy. Pt. 30c; qt. 50c; pk. \$3.00.

Pole Beans Continued on Next Page.

**Farmogerm Nitrogen Fixing Bacteria for all kinds of Beans**—Means bigger crops, healthier vines, early and more continuous crops. Garden size, 50c; \$1.00 per acre bottle; 3 acres, \$2.50; 12 acres, \$9.00. It will pay you to use this when you plant peas and beans. (See index.)

February 7, 1924.  
looking crops I have ever seen and I do not hesitate to order  
Yours very truly,  
MRS. BASIL SMITH, White Hall, Md.





King of the Garden Pole Lima.

King of the Garden Pole Lima—The most popular of the pole varieties, and should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, very fleshy and deeply creased or saddle-backed, green in color and stringless. Seed light brown. Pt. 30c; qt. 50c; peck \$3.00.

**Lazy Wife, or White Cherry**—Pods 6 to 8 inches long, entirely stringless, of a rich, buttery flavor when cooked as a snap bean; also a good, white shell-bean for winter. One of the very finest flavored. Pint 30c; quart 50c; peck \$3.00.

**M. & S. Kentucky Wonder Wax**—Same as the above Kentucky Wonder with exception of beautiful yellow pods. Pt. 30c; qt. 50c; pk. \$3.00.

## English, or Broad Windsor Beans

**CULTURE**—Same as Bush Limas, only plant thinner. A bean similar to Lima Beans, but a different flavor and larger. Should be planted early, March or April, as they are very hardy. Pt. 35c; qt. 60c; pk. \$4.00.

We furnish 10c packages of all Beans.

**F A R M O G E R M Nitrogen-Fixing Bacteria** means bigger crops, healthier vines, early and more continuous crops. Garden size, 50c; \$1.00 per acre bottle; 3 acres, \$2.50; 12 acres, \$9.00. It will pay you to use this when you plant peas and beans. (See page 28.)

**Kentucky Wonder, or Old Homestead**—The most popular of the pole varieties, and should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, very fleshy and deeply creased or saddle-backed, green in color and stringless. Seed light brown. Pt. 30c; qt. 50c; peck \$3.00.

## Bush Lima Beans

10c Packages of All Lima Beans Furnished.

1 qt. to 100 feet of drill.

**CULTURE**—Plant in rows two feet apart, and about one foot apart in the rows.

**M. & S. Enormous Bush Lima Beans**—As the name implies, these are truly enormous, bearing in abundance, large pods which are filled with delicious large beans. Pt. 35c; qt. 60c; pk. \$4.00; bus. \$15.00.

**Henderson's Dwarf Lima**—Beans are small but their flavor is excellent. Pt. 30c; qt. 50c; pk. \$3.50.

**Burpee's Bush Lima**—Pods abundantly and well filled with handsome beans. Pt. 30c; qt. 50c; pk. \$3.50; bus. \$12.50.

**Fordhook Bush Lima**—Beans large, round, thick, green and of delicious flavor, bearing in clusters of from four to eight, averaging four large beans to the pod. Pt. 35c; qt. 70c; pk. \$5.00; bus. \$17.50.

## Pole Lima Beans

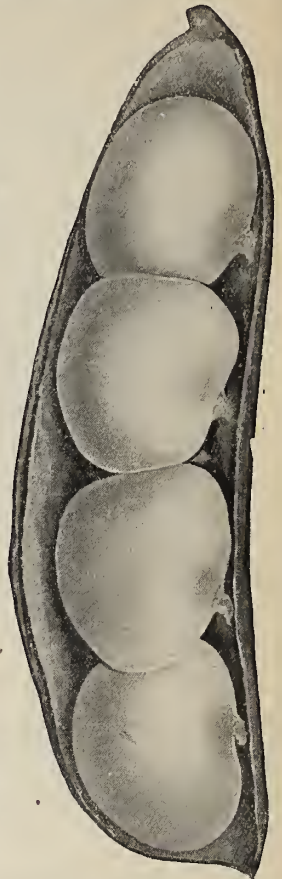
**CULTURE**—These require pole 8 to 10 feet long. The beans should be planted in May if the season is suitable. Set poles four feet apart each way, and plant 4 to 6 beans, about 1 inch deep, around each pole. Thin out to three plants to a pole, if the soil is rich; pinch off the ends of plants when they overrun the top of the poles to effect a more perfect growth below. Lima Beans for early use may be grown in frames and transplanted. 1 quart to 100 poles.

## KING OF THE GARDEN

Vigorous grower, bearing large pods, 5 to 8 inches long. Beans large and of rich flavor. Pt. 30c; qt. 50c; pk. \$3.25; bus. \$12.00.

**Dreer's Improved, or Potato Lima**—Beans round and thick, of delicious flavor, easy to shell, immense cropper. Pt. 30c; qt. 50c; pk. \$3.50.

**Carpenteria Early Lima**—Very fine, immense beans, which retain their green color a long while. Pt. 30c; qt. 50c; pk. \$3.25; bus. \$12.00.



M. &amp; S. Enormous Bush Lima.

## TABLE BEETS

(German—Rote Rubeen. French—Bette)

One ounce of seed sows sixty feet of drill; five pounds will sow an acre in drills.

**CULTURE**—The soil best suited to the culture of the beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early, sow in hotbeds and transplant; but for main crop sow in the Spring as soon as the ground becomes fit to work, in drills 18 inches apart and two inches deep. For winter use sow as late as July. When the plants have at-

tained three or four inches in height, thin out so that they stand five to six inches apart. Keep free from weeds. Before freezing weather sets in, the roots may be stored in cellars or pits, same as Potatoes; dry earth thrown over them before the straw and earth covering is put on insures their keeping over winter. Be careful not to bruise them in handling.



M. &amp; S. Strain Detroit Dark Red Beets.

Gentlemen,—Asparagus roots received. They are wonderful and have them all planted. I hope they grow as well as my turnip and kale.

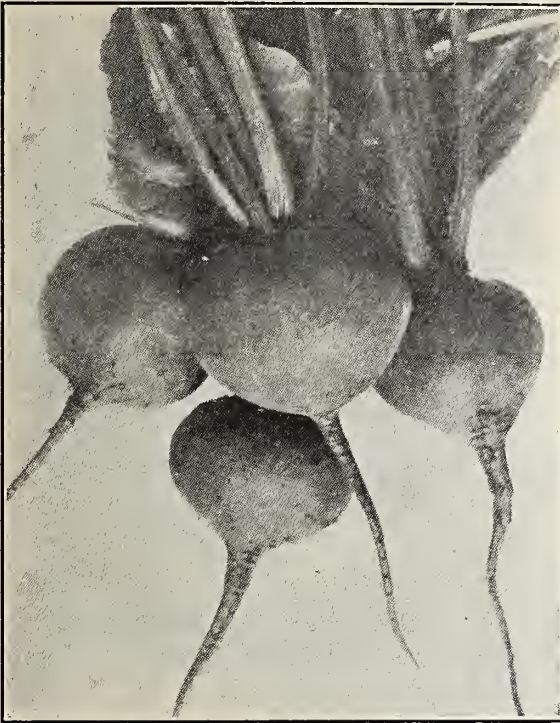
I shall call on you often because you are so prompt and courteous.

Yours truly,

MISS E. C. HARRISON, Towson, Md., R. F. D. No. 6.

September 23, 1924.





M. & S. Early Marvelous Beet.

### "M. & S." EARLY MARVELOUS BEET

The Ideal Beet for the market or home garden; in shape it is nearly a perfect globe, about 10 inches around with smooth skin free from rootlets; the flesh is a rich blood red nicely ringed, never stringy, and always tender and sweet; excellent for canning. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.25.

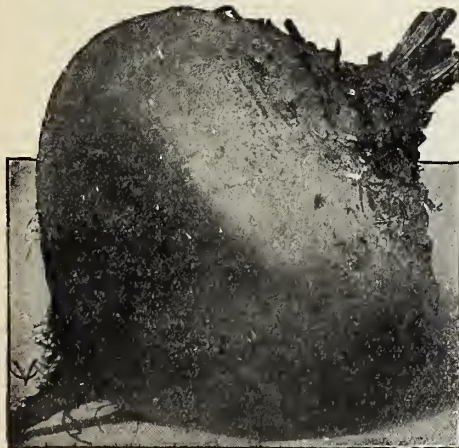
**Extra Early Flat Egyptian**—Maturing in an incredibly short time. Bulbs half globular, or flattened at the poles; roots very slim, skin smooth, leaves red and green, flesh quite dark. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 90c.

**Crosby's Improved Egyptian**—Very desirable. Thicker in body than the Egyptian, small necked and dark fleshed. Fine for early market. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

**Extra Early Eclipse**—Maturing in an incredibly short time, round-shape beet. Small top, and of excellent table quality. Makes an attractive seller in market. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

**Edmand's Blood Turnip**—This beet of American origin is the most uniform of all Turnip Beets. The root is always smooth, round and handsome; tops are small; of good marketable size. Color dark red, flesh purplish, crisp, tender and sweet. An excellent keeper. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

**Detroit Dark Red Beet**—A blood red, early, turnip-shaped variety. Has small upright top; fine round shape. Skin and flesh dark blood red. Very tender and sweet. Remarkably uniform in growth and a particularly desirable sort for truckers and market gardeners. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.



Detroit Dark Red Beet.



Golden Tankard.

**M. & S. Strain Detroit Dark Red Beet**—Like the Detroit Dark Red, but runs more uniform in shape and color, positively the best beet for the truck farmer, as they always bring top-notch prices on the wholesale market, or at the packers. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.35; larger quantities at \$1.25 per lb.  
**Long Smooth Dark Blood**—This variety has long, slender roots. The beets are seldom more than two inches through. Matures rather late, but is an excellent keeper. The flesh is dark red and quality sweet and tender. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**BEEF PLANTS**, see page 5.

**Crimson Globe**—A second early variety, does not grow large and coarse, the matured beets being medium in size and good shape. The flesh and skin are both very dark and quality fine, being sweet and tender. The tops are small and dark in color. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.

**SWISS CHARD**, see page 23.

### Cow Beets

**MANGEL-WURZEL**  
(German—Runkelrueben)  
(French—Betterave)

Used for feeding cattle.  
Sow five pounds per acre.

**CULTURE**—Sow in April and May in thoroughly plowed, well-manured soil, in drills 2 inches deep and about 18 inches apart. Thin out to 12 ins. and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzel.

**Golden Tankard**—The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Oz. 10c; ¼ lb. 15c; lb. 50c; 5 lbs. \$2.00.

**Improved White Sugar Beet**—An improvement on the other varieties of sugar beets, hardier, and containing a greater percentage of sugar. Oz. 10c; ¼ lb. 20c; lb. 60c; 5 lbs. \$2.50.

### Sludstrup Barres Mangel

Recently introduced from Denmark. The finest, largest and the most prolific Mangel in existence. Half-long, stump-rooted, yellow flesh. Outside color orange with red top. Oz. 10c; ¼ lb. 15c; lb. 50c; 5 lbs. \$2.00.

**Jumbo Mangel**—Immense, long, red, very fine quality. Oz. 10c; ¼ lb. 15c; lb. 50c; 5 lbs. \$2.

**Gate Post Mangel**—Large, yellow, excellent sort. Oz. 10c; ¼ lb. 15c; lb. 50c; 5 lbs. \$2.00.

**Mammoth Long Red**—This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing 20 to 40 lbs. The best long red mangel and very valuable for stock feeding. Oz. 10c; ¼ lb. 15c; lb. 50c; 5 lbs. \$2.00.



Gate Post Mangel Beet.



Golden Tankard.

Gentlemen,—The M. & S. Strain Detroit Dark Red Beet which I purchased from you in the spring turned out to be the best beet I have seen for some time. They all ran true to color and cut fine and it was a pleasure for me to walk from one row to another and see them growing. The other seed, such as beans, tomatoes, cabbage, spinach, etc., also gave me wonderful results and I do not hesitate to recommend them.

MR. E. RUTOWSKI.



**M. & S. CHOICE CABBAGE SEED**

(GERMAN—KOPFKOHL. FRENCH—CHOU)

One ounce will produce about 2,500 plants; one-quarter pound for transplanting an acre.

**Culture**—Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows two feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows three feet apart and two feet in rows. Never plant in the same ground two years in succession.

Our Cabbage Seed is all grown from selected heads only, by a specialist on Long Island.

**Early Varieties**

**M. & S. COPENHAGEN MARKET**—A valuable new early cabbage from Denmark, producing a large globe-shape head, which comes into market along with Charleston Wakefield. It is well known that Denmark is a great cabbage and cauliflower country, and our seed comes direct from the originator. Produces fine, large heads uniform in shape and size and very solid, with few loose leaves. It is a vigorous grower and an excellent keeper. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.**

**New Early**—The largest of the early cabbage. The head is roundish flat and remarkably solid. **Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.**

**Early Flat Dutch**—A dwarf-growing type, principally used for early summer. **Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.**

**Golden Acre**—This is an extra early strain of Copenhagen Market maturing about ten days earlier. It will mature heads in eighty days from time of sowing, measuring nine inches in diameter, with a uniform weight of five pounds. Height of stalk is two inches and entire plant consists of thirteen leaves which allows close planting. As our stock of seed is limited, we can only offer in small quantities. **Pkt. 25c; oz. \$1.50; ¼ lb. \$4.50; 1 lb. \$15.00.**

**All Head Early**—A thoroughbred sort, especially recommended on account of its uniform size and shape and reliability for heading. Makes a deep, flat head, solid and uniform in color, shape and size. In tenderness it is unsurpassed. Can be grown either for summer or winter use. By reason of its compactness it can be planted closer and will yield more heads to the acre than varieties of a spreading habit. **Pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

**Early Jersey Wakefield Cabbage.**

**Early Jersey Wakefield**—The finest oblong-shaped cabbage in existence. The head is solid, there being very few outside leaves. **Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.**

**Large Charleston Wakefield**—Similar to Early Jersey, but the heads are more blunt, equally as solid, while almost twice the size, but matures one week later. **Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.**

**Early York**—Resembles the Early Wakefield somewhat, but the heads are more pointed and not so early. **Pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

**Early Winnigstadt**—One of the best medium early pointed cabbages, very hearty and heading. Heads of good size, very hard and of excellent quality. **Pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

**Second Early Varieties**

**Early Drumhead**—A large solid roundish flat-headed sort with few outer leaves. One of the best sorts to follow the Large Charleston Wakefield. **Pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

**Succession**—A very popular sort with the market gardeners. It matures about 10 days later than Early Summer. **Pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

Dear Mr. Meyer:

It affords me great pleasure to inform you that I won second prize on the Ostrich Plumed Purple Aster grown from your seed at the Civic League Club Dahlia Show recently held. They were the handsomest and had the longest stems of any there.

Yours very truly,

**Golden Acre.****Late, or Winter Varieties**

**All Seasons (Vandergaw)**—A very large head, round and solid. It is valuable for Summer or Winter use. **Pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

**Danish Ballhead**—An elegant medium late variety. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.**

**Late Flat Dutch**—Improved Strain. This has been selected especially for our trade, and seed was taken from the finest type of heads which were selected for solidity and uniformity. **Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.**

**Large Late Drumhead**—Much like the above except the heads are not quite as large nor as flat. **Pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.**

**Red Dutch Drumhead**—A red variety, used extensively for pickling. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.**

**Perfection Drumhead Savoy**—A beautifully crimped-leaved sort, color a deep glossy green. The head is almost round. **Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.**

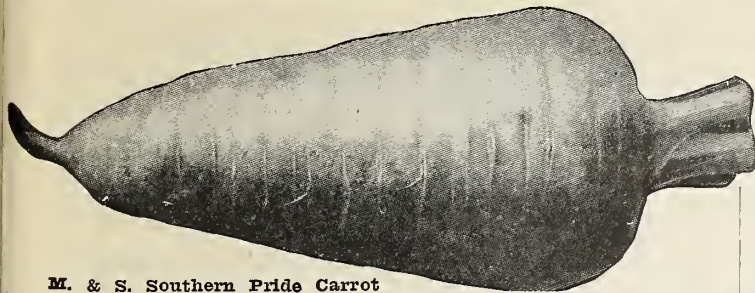
**Chinese Celery Cabbage**

**Pe Tsai**—Improved Chinese Cabbage. The market appearance of this cabbage in quantity the past few years has created a widespread demand for the seed. It is very easily grown and does well in early all parts of the country. It should be grown like a late cabbage, planting in July (turnip planting time), as early plantings run quickly to seed. The seed is sown in drills 16 to 20 inches apart and the seedlings thinned two or three times. The full-grown plant somewhat resembles a Cos Lettuce in appearance. It has a mild flavor and may be eaten raw or as a salad, or cooked. Boiled, minced and seasoned with butter, it is especially delectable. **Pkt. 10c; ½ oz. 25c; oz. 45c; 2 ozs. 75c; ¼ lb. \$1.25.**

**Wong Bok**—Similar to the above; considered more choice by a great many. **Pkt. 10c; ½ oz. 25c; oz. 45c; 2 ozs. 75c.**

**M. & S. PERFECTION DRUMHEAD SAVOY CABBAGE**  
(German—Wirsing Kohl. French—Choufrise.)





M. & S. Southern Pride Carrot

## Carrot

(German—Moehre oder Gelbe Rube. French—Carotte)

One ounce to 100 feet of row. 2 or 3 lbs. to acre.

**Culture**—A light, loamy soil that has been well manured the previous year is preferred for growing carrots, although good crops may also be obtained from ordinary garden soil. For early use seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed one-half inch deep in rows 15 inches apart, and later thin to five inches in the row. Keep soil between the rows well hoed and free from weeds. From July 1st to 15th sow for Winter crops.

**M. & S. SOUTHERN PRIDE**—An ideal medium early, stump-rooted Carrot; smooth and uniform in shape, averaging five inches in length, with thick, heavy shoulders, rather large tops and deep orange color, almost coreless and of fine flavor. Positively the best carrot for home garden or market. Advisable for truckers. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**Parisian Forcing**—Extremely early, of small size, but very sweet, tender and beautiful orange-red color. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**Chantenay**—Top medium sized, neck small, roots tapering slightly but uniformly stump-rooted and smooth; color deep orange-red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper, and is undoubtedly one of the best for both the market and private garden, and its great productiveness makes it desirable as a field sort. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**Pride of Market Carrot**—Similar to the above. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**Danvers, or Half-Long Orange**—Owing to its enormous yield, this variety is the best and most profitable for main crop, also desirable for feeding cattle. It is somewhat longer, thicker and a better keeper than the Chantenay. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**M. & S. Strain Danvers Carrot**—Like the above, but runs more uniform in shape and darker in color. Advisable for truckers. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**Guerrande, or Oxheart**—A short thick carrot not exceeding four inches in length and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**Long Orange Improved**—The longest and latest of all carrots; unsurpassed for its keeping qualities. Fine for feeding stock. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 90c.

## Georgia Collards

**Georgia Collard**—Culture like Cabbage. The lower leaves are pulled off and used same as Cabbage Sprouts and Kale; will be found very delicious if you have never tried it; give it a place in your garden this coming season. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 75c.

## Corn Salad

(German—Acker Lattig. French—Mache)

**Culture**—Sow in Spring, in drills one foot apart; it will mature in six to eight weeks. For Winter and early Spring use, sow in drills in August and September. Three ounces of seed to 100 feet of drill. Will do well if sown in spring.

**Large Leaved** — Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

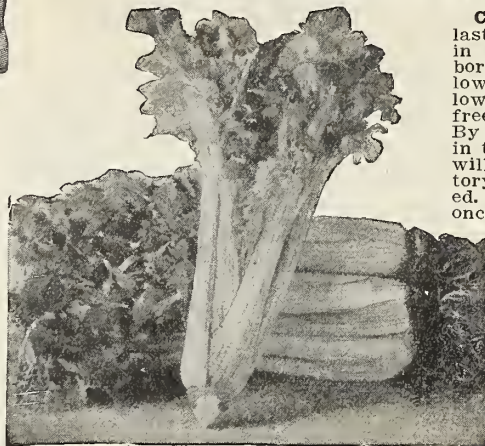


Corn Salad

## Celery

(German—Sellerie. French—Celeri)

One ounce will produce about 2,000 plants.



M. & S. Magnificent

**Culture**—Sow the last of March or early in April, in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off once or twice before planting out, to make them stocky. When the plants are five or six inches high transplant the dwarf varieties 3 feet, and the taller sorts 4 feet between the rows; plant 6 inches apart in the rows. Cultivate well, and when large enough, blanch by earthing up.

The first operation is that of "handling," generally done the beginning of September; after the soil has been drawn up with the hoe it is drawn closer around each plant by the hand to keep the leaves firm, in an upright position, and to prevent spreading. When the plants have become set in an upright position the Celery wanted for early use should be banked, by throwing the soil up as close to the plants as possible with a plow and finishing it with a spade, bringing the earth up nearly to the tops of the plants.

**M. & S. MAGNIFICENT**—It is well named for its many good qualities; it is a semi-late sort, coming into use about January. The stalks which blanch almost white are exceedingly brittle, so that it has a tendency to melt in the mouth; it is a truly good sort and should be planted extensively. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

**M. & S. MONARCH**—This variety is a decided acquisition in green Celery, producing large stalks, and magnificent bright golden yellow heart. The stalks are very solid, brittle and of most delicious flavor, and entirely free from stringiness. It is a remarkably good keeper and presents a handsome appearance when ready for the table. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

**Golden Self-Blanching**—For early use; preferred by many to all other sorts; as self-blanching as White Plume, and simply needs a slight earthing-up. The entire plant is an attractive yellowish green, and approaching its maturity the inner stems and leaves become a beautifully waxy golden color. Grows to a good size, very tender, crisp and solid, and when well grown is of excellent quality and very beautiful. Pkt. 10c and 25c; oz. 40c; ¼ lb. \$1.25; lb. \$3.75.

**French Golden Self-Blanching**—(Pure Stock). The description of Golden Self-Blanching applies to this, but blanches earlier. Pkt. 10c and 25c; oz. \$1.00; ¼ lb. \$3.75; lb. \$13.00.

**White Plume**—Unsurpassed for Fall and Early Winter use, requiring very little earthing-up to blanch it. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$2.00.

**Giant Pascal**—The stalks are very large, thick, solid, crisp and of a rich, nutty flavor; it blanches very easily and quickly, and retains its freshness a long time. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

**Golden Heart**—Largely used, always giving satisfaction; a showy sort; solid, of fine flavor and a good keeper. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

**Boston Market**—A short, bushy, white, solid, excellent flavored market variety, constantly increasing in demand. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$2.00.

**Winter Queen**—This variety grows a very thick, solid and heavy stalk, and has a large heart. It is a close, compact grower, and when blanched is a creamy-white color. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$2.00.

**Victory**—Runs a close second to the above, very similar. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$2.00.

**Pink Plume**—A very solid, crisp, desirable sort; the stalks when blanched are a beautiful rose-pink. Pkt. 10c; per ½ oz. 20c; oz. 35c; per ¼ lb. \$1.25.

### CELERY PLANTS, SEE PAGE 5.

**Giant Prague Celeriac**—This is unquestionably the largest and best Celeriac in existence. The roots are very large, twice as large as the Erfurt, almost globe-shaped, smooth, with only a few roots at the bottom. Flavor is excellent. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

Do not forget to include in your Spring Order a bag of Sheep or Cattle Manure—a bag of manure will give as much result as a cart load of barnyard manure.

Gentlemen,—Am enclosing a sample from the seed you sent me this last Spring. My garden was a blooming success, not one seed did I have to replant.

The Bantam Corn, I had an elegant crop. The Country Gentleman Corn is now just coming in with two developed ears to each stalk. The Yellow Beans were prolific; have had three plantings of radishes; cucumbers are fine and nice.

Only had six rows of Lima Beans, each 40 feet long, from which I have picked over five bushels of pods. Still have about three bushels of pods on the vines.

(Signed) HERBERT SAXTON, Raff Road, Canton, Ohio.





M. &amp; S. Early Snowball Cauliflower.

## Cauliflower

(German—  
Blumenkohl.  
French—  
Chou-Fleur)

One ounce of seed  
for 1,500 plants.

**Culture** — When grown to perfection this is a most delicious vegetable, and well repays generous treatment in cultivation. With a deep rich soil, and an abundance of moisture, which in dry seasons must be applied artificially, Cauliflower can be grown well. The cultivation is similar to that of Cabbage. For early Fall crops, sow in May and transplant in June, in rows of four feet

apart, setting the plants two feet apart in the row; water frequently if the ground is dry. Frequent hoeing and a liberal supply of rich, liquid manure, to keep up a continuous and rapid growth, will produce splendid heads of the most delicate flavor. It facilitates blanching if the leaves are gathered loosely together and tied over the top of the head to protect it from the sun. Cut before the flowers begin to open. Sow as late as June 20 for late crops, in beds or in hills, covering one-half inch deep.

**M. & S. EARLY SNOWBALL**—An extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture and outdoor. Pkt. 10c, 25c and 50c; oz. \$1.50.

**Dry Weather or Danish Giant**—The great drought-resisting variety; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for summer use if you want to be sure of cauliflower at that season. Pkt. 10c, 25c, 50c; \$1.50 per oz.

**Select Early Dwarf Erfurt**—Of highest excellence, and for field culture not much surpassed by any type of newer name. Some so-called new varieties appear to be identical with Select Erfurt. Pkt. 10c, 25c and 50c; oz. \$1.50.

**Veitch's Autumn Giant**—A distinct and valuable late variety; heads large and fine, well protected by foliage. Pkt. 10c; oz. 75c.

CAULIFLOWER PLANTS, PAGE 5.

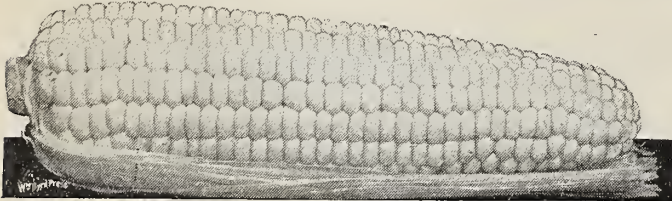
## SWEET, or SUGAR CORN

(German—Zuckermals. French—Mais)

One quart will plant 200 hills; eight quarts in hills to acre.

WE FURNISH 10-CENT PACKAGES OF ALL SUGAR CORN

**Culture**—The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession, continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. Extra early varieties can be planted 18 inches in the row and 2½ feet between the rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.



M. &amp; S. Snow White Evergreen Sugar Corn

**Extra Early Adams**—Height of stalk three to four feet, ears set within six inches of ground. Not a sugar corn, but a decided acquisition so early in the season. Pt. 20c; qt. 30c; pk. \$1.75.

**Early Adams**—Similar to Extra Early Adams; larger, but not so early. Pt. 20c; qt. 30c; pk. \$1.75.

**EARLY SHEFFIELD**—The best early Sugar Corn for truckers, making fine large ears. Pt. 30c; qt. 50c; pk. \$3.00.

**Howling Mob**—Another new early Sugar Corn, with fine, large ears, excellent for truckers or the home gardener. Pt. 30c; qt. 50c; pk. \$3.00.

**M. & S. SNOW WHITE EVERGREEN SUGAR CORN**—It produces large uniform ears, which are well filled to the top with beautiful white kernels; it is 10 to 12 days earlier than Stowell's Evergreen. Splendid sort for market and home garden; keeps well after being cut. Pt. 30c; qt. 50c; pk. \$3.00.

**Country Gentleman or Shoe Peg**—A short-stalked, productive sort. Ears large for so small a stalk; grain narrow and very deep; excellent quality. Pt. 30c; qt. 50c; pk. \$3.00.

**Stowell's Evergreen**—Matures for table in about 80 days from germination. Pt. 30c; qt. 50c; pk. \$3.00.

**Stowell's Evergreen on Ears**—Each 15c; dozen \$1.50.

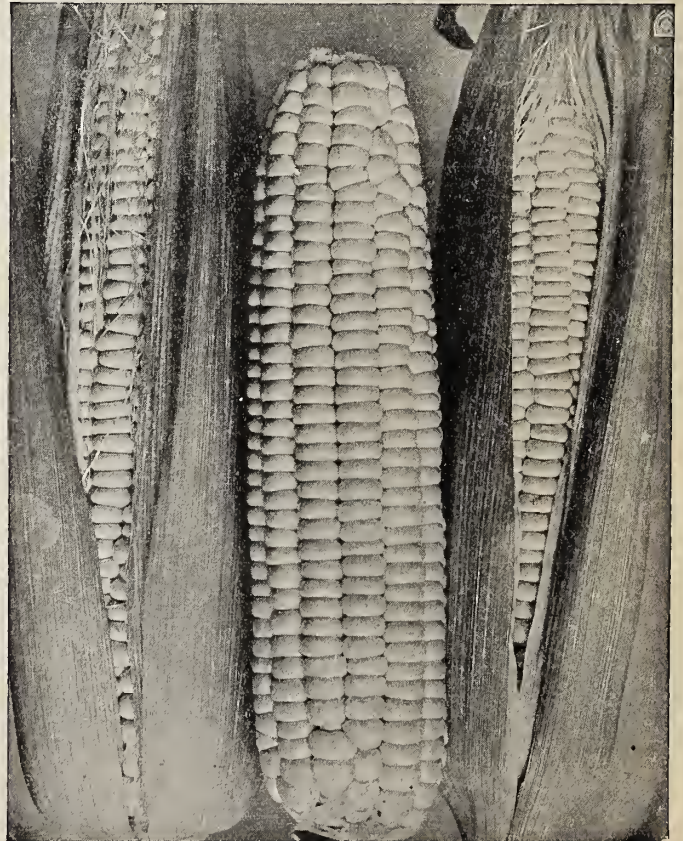
**Peep-O-Day**—This corn has two valuable points—extraordinary earliness and unsurpassed sweetness. Pt. 30c; qt. 50c; pk. \$3.00.

**GOLDEN CREAM**—The originator says: "It is good enough to eat raw." It is a cross between Country Gentleman and Golden Bantam; has the color of the latter and the fine quality of the former. It is really a very early yellow Country Gentleman—that means earliness, good size and first-class roasting ears. Pt. 30c; qt. 50c; pk. \$3.00.

**Golden Bantam**—Extremely early. A true sugar corn. The grain when ripe is a bright golden-yellow, the flavor is exceptionally rich and sugary. Produces from two to three good ears to the stalk. Pt. 30c; qt. 50c; pk. \$3.00.

**M. & S. Wonder Bantam**—A yellow sugar corn with all that the name implies, making ears up to 9½ inches long; deliciously sweet and of unsurpassed flavor. Matures only about a week later than Golden Bantam. A strong grower and very productive ½ pt. 25c; pt. 45c; qt. 60c; peck \$4.00.

**Black Mexican**—An old favorite, being very tender and sweet. Ft. 25c; qt. 40c; pk. \$2.50.



Howling Mob Sugar Corn

SUGAR CORN—Continued on next page.

We have had perfect satisfaction with all the seeds which we purchased for the Baltimore Public School Gardens. Mrs. A. Derringer.



**SWEET OR SUGAR CORN—Continued.**

**Early Mammoth**—Large ear, and early; splendid early market sort. Pkt. 30c; qt. 50c; pk. \$3.00.

**Red Cob, or 90-Day Corn**—A distinct and well-known sort of white corn; matures in about 90 days; produces large, handsome ears. Qt. 25c; ¼ pk. 40c; pk. \$1.50; bus. \$5.00.

**Cress : Chervil**

(German—Kresse) (German—Kerbel)

**Water Cress**—Sow early in spring near pond or running water; when established will last for years. Pkt. 10c; oz. 50c.

**Land Cress or Pepper Grass**—Sow in early spring in rows two feet apart, and repeat often as it runs to seed very quickly. Pkt. 10c; oz. 15c; ¼ lb. 30c.

**Chervil**—Sow like the above, used as a salad seasoner. Pkt. 10c; oz. 25c.

**Cucumber**

(German—Gurke. French—Concombre)

One ounce will plant fifty hills; two pounds, one acre.

**Culture**—For very early Cucumbers, sow the first of April in a hotbed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop plant, if the weather has become settled and warm, in hills about four feet apart each way; thin out to four of the strongest plants to each hill. They succeed best in a warm, moist, rich, loamy soil. For succession sow until the middle of August.

**M. & S. COOL AND CRISP**—Ideal for home and market gardening. Extra early and very prolific, long straight, slender and very dark green; good either for pickling or slicing. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**Early Fortune**—A great favorite with our Anne Arundel County farmers for its early maturity, productiveness, uniformity in large size and dark green color. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.



Early Fortune Cucumbers.

"Kirby's Stays Green" is the earliest of the White Spine type; fruit seven to eight inches long, cylindrical in shape. Color a beautiful dark green from stem to blossom end, which is retained longer than any variety. Vigorous grower, enormous yield, shipping quality unexcelled, and always commands the highest market price. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.

**New Klondike**—One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Dark green in color, large size, and of fine flavor. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.

**Improved Early White Spine**—The old standard favorite. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00. Special prices on large quantities.

**Arlington White Spine**—Another standard sort. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00. Special prices on large quantities.

**Improved Long Green**—Long and crisp; a popular and reliable variety for pickles. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.

**Jersey Pickle**—Productive and said to "green" better than any other variety, and to "hold color." Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00.

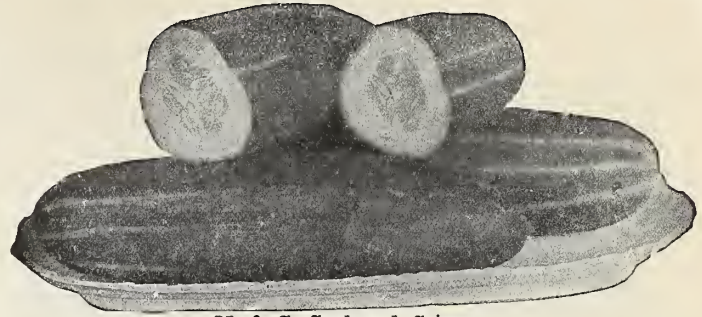
**Livingston's Evergreen**—A very strong grower, very early, bears firm crisp fruit, which is excellent for slicing or pickling. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.

**Early Green Cluster**—A short, prickly variety, bearing clusters, prolific. Fine for bottle pickles. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.

**Small Gherkin, or Burr**—Used only for pickling while young and tender. Pkt. 10c; oz. 25c.

**Danish Pickling Cucumber**—A new introduction from Denmark. Seeds extremely scarce. A very prolific grower producing small dark green warty fruit, especially desirable for pickling. Pkt. 10c; oz. 25c.

**Lemon**—A very productive variety with round or slightly oval fruits of light creamy yellow color; of distinctive flavor and desirable quality either for slicing or pickling. The fruits are ready for slicing when just starting to turn yellow. For pickling they may be used either green or ripe. Pkt. 10c.



M. & S. Cool and Crisp.

**Japanese Climbing**—Distinct from other varieties, being a real climber. Very prolific of fruit. A valuable, interesting novelty. Pkt. 10c; oz. 20c; ¼ lb. 60c.

**English Forcing Telegraph Cucumber**—These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them. Pkt. of 12 seeds, 25c; 100 seeds, \$1.25.

**Dandelion**

(French—Pissenlit. German—Loewenzahn.)

One ounce to 100 feet of row.

**Culture**—Plants usually come up small and feebly. Sow seed in good clean loam, in drills 1 foot apart, and thin or transplant to 10 or 12 inches apart in the rows. May be blanched by covering with leaves or other loose litter, or by placing a large inverted flower pot over each plant.

**Broad-Leaved**—Pkt. 20c; oz. \$1.00; ¼ lb. \$3.50.

**Improved Thick-Leaved**—An improved variety. Pkt. 20c; oz. \$1.00; ¼ lb. \$3.50.

**Eggplant**

(German—Eierpflanze. French—Aubergine)

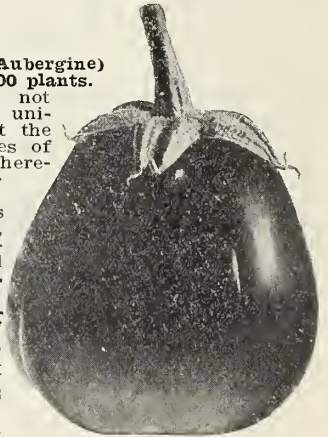
One ounce will produce about 1,000 plants.

**Culture**—Eggplant seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore repeated sowings are sometimes necessary.

**M. & S. Ebony King**—As its name implies it is almost black, large size, perfect shape, thornless, great drought resister and splendid bearer. Pkt. 10c; ¼ oz. 25c; 1 oz. 50c; ¼ lb. \$1.75.

**New York Improved Purple**—The leading market variety; of large size, skin deep purple, smooth, free of thorns; flesh white, of excellent quality; very productive. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

**Black Beauty**—The earliest large variety; color, rich, dark purple. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.



M. & S. Ebony King.

EGGPLANT PLANTS, SEE PAGE 5.

**Whitloof Chicory, or French Endive**

(German—Succory. French—Chicoree)

Whitloof Chicory, or French Endive—

Known in restaurants as French Endive. We want to get our customers interested in this delicious vegetable, and feel confident that after it has once been tried it will become quite as popular as Swiss Chard, which was only planted very sparingly a few years ago. Every garden should have a row of Whitloof Chicory and we feel sure that every amateur or experienced gardener will be pleased with the results. Whitloof is eaten raw or as a salad, and is also sometimes cooked like ordinary Endive. Pkt. 10c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.50.

**Large Rooted Chicory**—The roots are dried and ground and used for flavoring or to substitute coffee. It can also be served like salsify. Pkt. 10c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.50.



Whitloof Chicory.

Mr. Arthur Owens, of Greencock, Md., says he has had the most magnificent garden from seeds purchased of us the past season.



## Endive

(German—Endivie. French—Endive)

**Culture**—Sow in June, July and August; cover lightly; when up thin out to eight inches apart, and water well afterwards, if dry. When the leaves are 6 to 8 inches long, blanch by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry or they will rot. At the approach of Winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air.

**Green Curled**—Tender and crisp. Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

**White Curled**—Self-blanching. Very tender when young; blanches readily. Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

**Broad Leaved Batavian (Escarrole)**—This variety is chiefly used in soups and stews; it requires to be tied up for blanching. Pkt. 10c; 1 oz. 15c; ¼ lb. 50c; lb. \$1.50.

## Finocchio, or Florence Fennel

A delicious vegetable which should be more largely grown. It is extensively used in Italy as a salad, but is particularly palatable when served boiled, with a cream dressing. When the enlargement of leaf stalk, at base of stem, is about the size of a hens egg it should be earthed up so as to cover half of it, and in about ten days cutting for use 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. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.

## Herbs

(German—Kraeuter. French—Herbes)

**Culture**—Herbs delight in a rich, mellow soil. Sow seeds early in Spring in shallow drills, one foot apart; when up a few inches thin out to proper distances, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.



- Anise—Pkt. 10c.
- Balm—Pkt. 10c.
- Bene—Pkt. 10c.
- Catnip—Pkt. 10c.
- Cummary—Pkt. 10c.
- Peppermint—Pkt. 10c.
- Peppermint for Flavoring—Pkt. 10c.
- Tansy—Pkt. 10c.
- Borage—Pkt. 10c.
- Caraway—Seeds used to flavor bread. Pkt. 10c; oz. 25c.
- Coriander—Pkt. 10c.
- Dill—The seeds are used as a condiment and for pickling. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 75c.
- Fennel, Sweet — A hardy perennial, indigenous to Southern Europe. The leaves are extensively used in sauces for flavoring. Sometimes eaten raw. Pkt. 10c; oz. 25c; ¼ lb. 75c.
- Horehound — For medicinal purposes and flavoring. Pkt. 10c.

- Lavender—For flavoring and perfumery. Pkt. 10c.
- Martynia — Produces long green pods which are used for pickling. Pkt. 10c; ½ oz. 25c.
- Rosemary—Leaves used for seasoning. Pkt. 10c.
- Rue—Pkt. 10c.
- Sage — For seasoning and dressing. Pkt. 10c; oz. 40c.
- Summer Savory—Used for flavoring. Pkt. 10c; oz. 25c.
- Sweet Basil—For flavoring soups. Pkt. 10c; oz. 25c.
- Sweet Marjoram — Leaves and ends of shoots used for seasoning. Pkt. 10c; oz. 40c.
- Saffron—For medicinal and coloring purposes. Pkt. 10c.
- Thyme (Broad Leaf) — For seasoning, also for making tea for nervous headache. Pkt. 10c; oz. 50c.
- Woodruff—A sweet scented herb which is used as essence in the German Maitrank. Pkt. 15c.
- Wormwood—Pkt. 10c.

Gentlemen,—It affords me great pleasure to inform you that I have gotten the utmost satisfaction from the seeds which were purchased of you last spring and summer. Mr. John Mehl, Farm Manager, Foxcroft School, Middleburg, Va.

## Kohl-Rabi

One ounce will sow 150 feet of drill.

This is a favorite vegetable in Europe, where it is extensively grown for table use. The bulb is formed above ground, and, if used when young and tender, makes a most delicate dish for the table.

**Earliest White Vienna** — Greenish white outside, with clear white flesh within. Smooth, short leaf. Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

**Earliest Purple Vienna** — Same in every respect as the Earliest White Vienna, except in the outside color. Pkt. 10c; oz. 25c; ¼ lb. 75c.

**KOHL - RABI PLANTS, SEE PAGE 5.**



Earliest White Vienna Kohl-Rabi.

## Kale, or Borecole

(German—Kranskohl. French—Chou Vert)

One ounce sows a drill of about 100 feet. 2 to 3 lbs. to the acre.

**Culture**—Sow from May to June, and cultivate same as Cabbage. For early Spring use, sow in September, and protect during Winter. The Kales are more hearty than Cabbage, and make excellent greens for Spring and Winter use, and are improved by frost.

**BORECOLE PLANTS, SEE PAGE 4.**

**Borecole, Hardy Winter** — This variety is grown and treated like cabbage. The plant attains a height of 18 inches, with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curved leaves as soon as the first ones are gone. This new growth is of the finest quality, and is ready for market during the Winter and early Spring months, when it demands fancy prices. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

**Emerald Isle Kale**—This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from other strains. The closely curled, handsome leaves are most attractive. A fine exhibition plant of medium height. Very hardy. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**Dwarf Green Kale**—Pkt. 10c; oz. 15c; ¼ lb. 20c; lb. 60c.

**Tail Scotch**—Best for Summer. Very spreading, nicely curled and hardy; frost improves it. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.

**New Imperial Curled Long Standing**—The leaves are very crimp and of a dark green color. Pkt. 10c; oz. 15c; ¼ lb. 20c; lb. 60c.

**Dwarf Green Curled Scotch, or Norfolk**—One of the most popular shipping sorts; very largely used in Norfolk trucking district. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**Sea Kale**—Not a true Kale (a member of the Cabbage family) but a perennial which should be grown and cultivated like rhubarb. The edible parts are the young, strong shoots that come up in early spring. When blanched, they are cooked and served like asparagus, or the leaves may be used as greens. Pkt. 10c; oz. 30c.

Do not forget to order that bag of WIZARD BRAND SHEEP MANURE. It will make your garden more of a success.



Don't Forget to Order That Cart Load of Manure in a 100-Pound Bag  
**M. & S. CHOICE STRAINS OF LETTUCE**

(German—Salat. French—Laitue.)

Two ounces of seed to 100 yards of row; one ounce for 2000 plants

**Culture**—Lettuce is now sown during most all seasons of the year. For outdoor use the seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit, in rows about 12 inches apart, 10 inches apart in the row. If the salad is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties best suited to the different seasons and conditions. For winter use sow the seed in September in hotbeds and follow it with other sowings for succession.



Big Boston Lettuce

**Los Angeles, New York, or Wonderful**—This very large heading lettuce is desirable not only as a garden variety for summer use but is much used as a fall and winter market sort. It is the variety largely grown in California and shipped to eastern markets under the trade name of Iceberg. The plant is very large but compact and tight heading; outer leaves attractive deep green, broad, frilled at edges. The inner leaves form a large head, very sweet and tender when in condition for use. Cultivate same as Big Boston. Pkt. 10c; oz. 25c; ¼ lb. 80c; 1 lb. \$2.75.

**May King**—This valuable new Lettuce is, without any question, one of the best Lettuces on the list for early Spring planting in the open ground. The heads are six to seven inches in diameter, of a clear light green, the outer leaves being slightly tinged with brown, the inner being clear, bright yellowish, with very rich, oily flavor. It is an excellent market sort, the round,

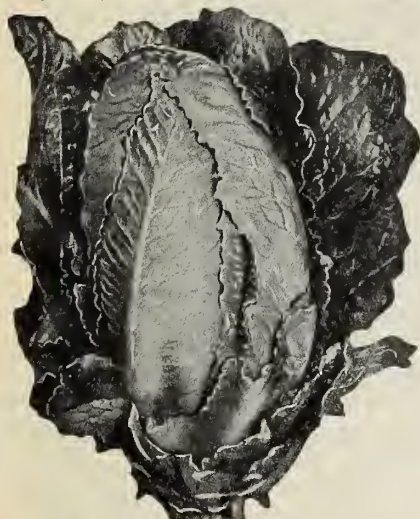
compact heads being so solid that they carry extremely well. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**Romain White Paris Cos**—Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely. Pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.

**Best of All**—A great drought and heat resister; forms large compact heads of light green leaves and yellow heart. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**Grand Rapids**—Excellent for forcing, fine quality, large, loose, yellowish-green head, stands well. Pkt. 10c; oz. 15c; ¼ lb. 60c; 1 lb. \$1.50.

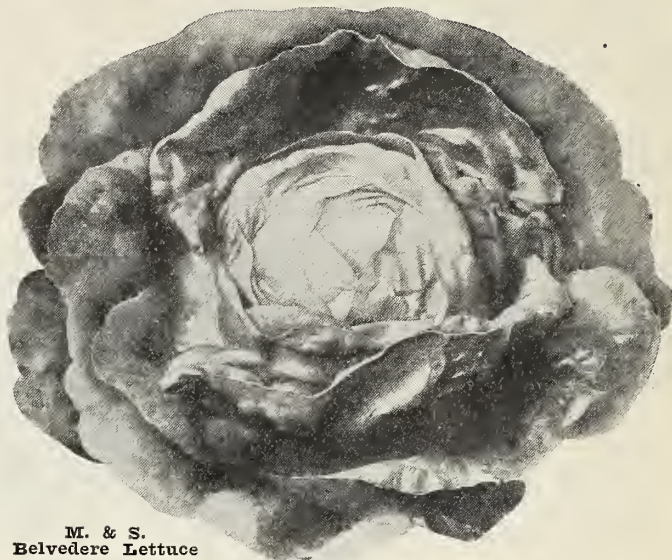
**California Cream Butter**—A good Summer sort, of reliable heading quality. Yellowish-green, slightly



Romain White Cos Lettuce

marked with brown specks. This is a variety growing in favor. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**Big Boston**—Resembles Boston Market, but nearly twice as large, desirable for forcing and Spring and Fall outdoor planting. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.



M. & S. Belvedere Lettuce

**M. & S. BELVEDERE LETTUCE**—In 1912 we introduced this grand Lettuce after having it in our trial grounds for two seasons, and we were amply repaid by the success which our Truck Farmer customers had with it. The **M. & S. Belvedere** is extremely slow in running to seed; it is therefore the ideal Lettuce to plant in the Spring, as it withstands the Summer heat better than any variety we have known so far. It is all green, no red edges, is tender and crisp and has a fine yellow heart. The seed is scarce, and we advise our customers to order quick. Pkt. 10c; oz. 25c; ¼ lb. 85c; 1 lb. \$3.00.

**Boston Market, or White-Seeded Tennisball**—Early and compact, quite desirable, good forcer. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**Oak Leaf**—Quite popular. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**Iceberg**—Leaves green, heads large, solid; one of the best large-growing cabbage lettuces. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**M. & S. STRAIN ALL-SEASON**—A cabbage lettuce of sterling merit, making larger and more closely folded heads than any other known variety. The outer leaves are a bright, soft green, the inner ones rich golden yellow. The solid heads measure from eight to ten inches across. Black seed. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**Way-a-Head**—Similar to the above, but suitable for all-season in or out-door planting. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**Black Seeded Simpson Lettuce**—Fine, large, loose heads, early, finely fringed and curled; very popular for family garden and forcing. Pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.

LETTUCE PLANTS POPULAR VARIETIES, SEE PAGE 5.

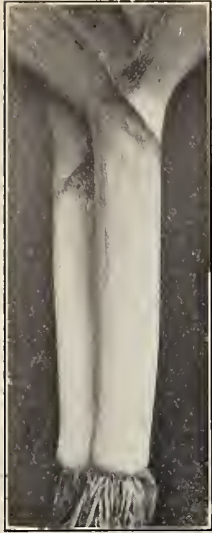


Black Seeded Simpson Lettuce

Gentlemen,—The Black Valentine Beans which I bought of you last season were the best I have ever seen. They sure gave me wonderful results.

R. T. WILLIAMS, Brooklyn, Md.





## Leek

(German—Lauch. French—Poireau)

One ounce to 150 feet of row.

**Culture**—Sow the seed and care for the young plants same as for Onions, but they need a little more room to develop fully. When the young plants are about the size of a goose quill, transplant into a prepared bed in rows one foot apart and four to five inches in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.

**Giant Carentan**—Produces a large, thick stem and of mild flavor. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**American or Flag**—One of the hardiest and best for Winter use. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

## Muskmelons, or Cantaloupes

(German—Melone. French—Cantaloup)

One ounce will plant about 50 hills; two to three pounds in hills to acre.

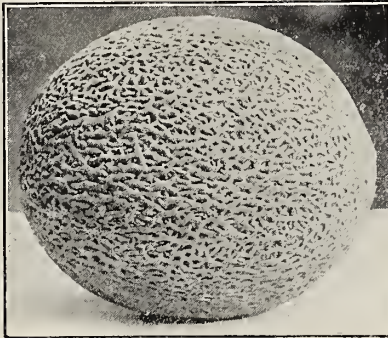
### Flag Leek

**Culture**—Thrives best in light, rich soil. Plant early in May, in hills six feet apart.

Manure in hill and sow seed freely. After danger from bugs is past thin to three plants per hill. When one foot long, pinching off tips makes vines branching and strong, and fruit will mature earlier. Water freely and feed liquid manure occasionally. For early use, sow in hotbed, on piece of sod.

**M. & S. GOLDEN WONDER CANTALOUPE**—Most delicious flavored golden yellow meat, which is thick and solid. Medium size, oval in shape, very vigorous and productive vines, which are great drought and blight resisters. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**SALMON - TINT No. 10-25**—This is an early melon of the solid netted type that is so desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon-tint shading to green near the rind. A splendid keeper that stands shipping and always arrives in the best possible condition. It has been successful in the East, in the West, and in the South. It is a prolific yielder and has been pronounced by every one who has used it as the ultimate in salmon-fleshed melons. A re-selected and much improved strain of the original Pollock and Salmon-Tint Pollock No. 25. Exclusively planted by the cantaloupe growers of the Rocky Ford district. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.



Salmon-Tint No. 10-25

**Rocky Ford**—We have a very fine stock of this popular cantaloupe. Small, oval, of excellent quality and a good shipper; early; green fleshed. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 90c.

**Bottomly Cantaloupe**—True Anne Arundel strain. Great favorite with the Anne Arundel County truckers. Medium size, round, deeply netted, green flesh and delicious flavor. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.50.

**M. & S. 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. The bloom button is small and flesh as thick at the end as elsewhere. The melon is thick meated, fine grained and sweet; color, green, with a gold margin next to the seed cavity. Our claim for this melon is its uniform shape, size and very superior quality. Its flesh is attractive and elicits favorable comment when served. Every seed we offer from this strain will be from a select melon and hand seeded. We recommend this seed for the use of Melon Growers' Associations and high-class Market Gardeners. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.

**Early Netted Gem**—One of the best of small melons, and very popular. Prolific and of excellent quality. Very early. A great favorite. Green fleshed. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 90c.

**Emerald Gem**—Small, green skin, delicious yellow flesh. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00.

**Acme, or Baltimore Nutmeg**—A great favorite for retail market and for shipping. Large, oval, deeply netted, solid and of fine quality; green fleshed. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 90c.

**Jenny Lind**—Very early, small, round, netted and of fine quality; green fleshed. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. \$1.00.



M. & S. Golden Wonder Cantaloupe

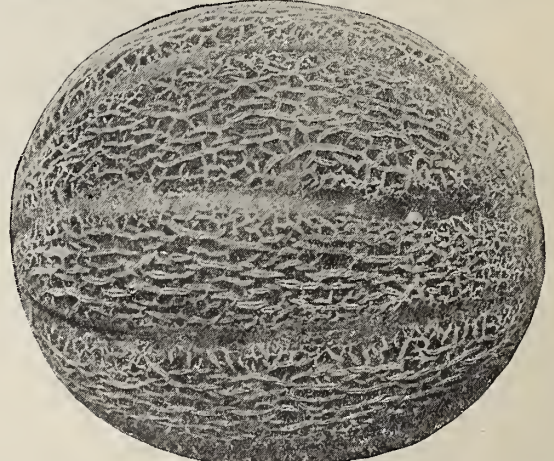
**Hacksack, or Turk's Cap**—A very fine, large sort; green fleshed. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 90c.

**Miller's Cream, or Osage**—Melons are large and round, with light green, netted skin, and thick, sweet, salmon-colored flesh. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00.

**Knight Cantaloupe**—True Anne Arundel County grown strain. The great favorite of the Baltimore market, of good size, deeply netted, green flesh, and delicious flavor. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.50.

**Banana**—This melon surpasses all others in its delicious fragrance. The flesh (the melon being nearly solid) is of a rich salmon. The quality is first rate when the melon is thoroughly ripe. It grows from 20 to 28 inches in length and is very prolific. Pkt. 10c; oz. 15c; ¼ lb. 40c.

**Montreal Market**—The large fruits are nearly round in form, slightly flattened at ends, with very large, broad, heavy ribs. Dark green skin, thickly covered with heavy netting. The flesh is two inches thick, light green, melting, and of delicious flavor. This is the variety which is grown exclusively on the Island of Montreal, and commands such high prices during the Fall months. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00.



Rocky Ford.

## NEW HONEY DEW CANTALOUPE or MELON

Honey Dew produces a melon with smooth, almost white rind, measuring about six inches in diameter by seven to eight inches long. The green flesh is thick and is of a peculiar sweet flavor, resembling a well-ripened banana. To have the melons in the best condition we suggest gathering (or picking) as soon as they slip from the vine and store in a cool place for two or three days before serving, as (like a Casaba) they apparently are at their best when a trifle over-ripe. While we cannot yet recommend Honey Dew for general culture, we offer selected seed at: Packet 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

**HONEY DEW**—Pink-fleshed, same as the above with the exception that the flesh is of a beautiful pink tint and highly flavored. Price same as green-fleshed.

WATERMELONS—SEE PAGE 20.

Gentlemen: Enclosed find check for \$5.00 for which send me some more M. & S. Early Red Cardinal Radish Seed; they are the best yet. Their looks would sell them without their other good qualities. Send soon as possible as I am about out of seed, and oblige.

Yours respectfully,

D. S. RADEBAUGH, Hillaleah, Fla., Dec. 1, 1924.



(German—Wasser Melone.  
French—Melon d'eau)

# WATERMELON

One ounce for thirty hills; four to five  
pounds for an acre.

TRY THESE IN YOUR NEXT GARDEN

**NEW M. & S. GOLDEN HEART WATER-MELON**—A decided novelty in Water-melons. Vigorous vines producing an abundance of light green melons, which have delicious yellow meat almost to the rind. Pkt. 10c; oz. 15c; ¼ lb. 50c.

**Culture**—Watermelons should be planted in hills eight to ten feet apart. Otherwise for culture, see directions for cantaloupes. Do not grow them near pumpkins or gourds.

**M. & S. SWEET HEART WATERMELON**—The sweetest melon that grows. The best for home use and nearby markets. The dark red meat which extends almost to the rind, is of the most delicious flavor. Vines are strong and vigorous, the melons are medium to large in size. The skin is a very rich, dark green color. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**IRISH GREY**—A comparatively new variety that is becoming very popular as a shipping sort. The rind is exceptionally hard and firm. The flesh is bright red, sweet, firm but free from any hard centers or stringiness. A very desirable variety for those who prefer a long, light colored shipping melon. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**M. & S. EXCEL**—A new watermelon. Great improvement over Tom Watson. Long green. Excellent for market gardeners and shippers. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**TOM WATSON**—Our strain of this wonderful shipping melon has been very much improved in the last few years. It commenced to show white, hard centers, but through careful selecting our strain will produce nothing but melons which are red from the rind to the center, not showing any white streaks. The rind is very tough, making it an excellent melon for shipping long distances. Its flavor and fine qualities also commend it very strongly for the private grower. It is the most popular melon on our list. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 60c.

**Florida Favorite**—Large, long, striped, excellent for family garden. Rind thin, but firm; flesh very deep red and very sweet. Splendid shipper. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 60c.

**McIver's Wonderful Sugar**—Resembles Old Rattlesnake, superior in quality. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 60c.

**Gray Monarch, or Long White Icing**—Very large, long, crimson flesh. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 60c.

**Indian Chief**—Excellent shipper; none better for the private garden. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 90c.

**CITRON**—Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc. Pkt. 10c; oz. 15c; 1 lb. 75c.



Improved Kleckley Sweet.

**Improved Georgia Rattlesnake**—The old Rattlesnake has always been regarded as a fine melon. Our strain is the result of careful selection by an experienced melon grower through many years of careful and watchful work. The rind is thin and tough, the flesh deep scarlet, the flavor unsurpassed by any other sort. We strongly recommend it both for shipping and home use. Our improved stock is very much superior to the ordinary Georgia Rattlesnake. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**IMPROVED KLECKLEY SWEET**—Four years ago our grower set out to perfect a new type of this favorite melon, for the reason that the original type began to show some deterioration, and the color of the seed was showing decidedly too much brown smear, melons were not all growing uniform in size, and with the feeling that it is a grower's duty to keep the type of all good melons up to standard he carefully selected and bred this type until we now have a much better melon than the old type Kleckley Sweet; this improved type grows uniformly large, retaining all of the fine qualities as a table melon, with an important added feature of having much harder rind, which assures its satisfactory carrying quality, while the old type will not stand even short distance shipping in carloads. The seed are all creamy white, with no trace of brown, somewhat larger than the old type seed, the color of rind remain the same—dark bluish green—and grows to much larger size than the old type. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. 90c.



Tom Watson Watermelon

Halethorpe, Md.,

October 1, 1924.

Gentlemen: I take pleasure in letting you know that the Dahlia and Canna Bulbs I purchased from you in the spring of 1924 proved very satisfactory and had better blooms than ever before.

Yours truly,  
F. H. SCHOLZ.

Gentlemen,—I bought one bushel of Telephone Peas from you and treated same with Inoculating Bacteria, same yielded 116½ bushels and sold for \$404.80. I beat all my neighbors.

Yours truly,  
GEO. PEARCE,  
Fork, Md.



## Pure Culture, Spore Process Mushroom Spawn

(German—Champignonbrut, French—Champignon)

Have you ever raised Mushrooms, or are you trying to and not meeting with success? The Spawn we offer is the best obtainable, and with each purchase of same we give away, when desired, a complete guide on Mushroom culture.

**Culture**—Mushrooms can be grown in cellars, sheds, hotbeds, and sometimes in the open air. Fermenting horse manure, at a temperature of about 70 degrees and mixed with an equal weight of fresh sod loam, is made into beds the required size, eight inches deep. See to it that the bed is packed solidly and evenly. In this bed plant the broken pieces of Spawn six inches apart, covering the whole with two inches of light soil, and protect from cold and rain. One brick will plant eight or ten feet of bed. The Mushroom will appear in about six weeks. Water sparingly with lukewarm water. Estimate one brick for about eight square feet of bed.

Prices for Pure Culture, Spore Process Spawn (if ordered to be sent by Parcel Post, include postage, according to zone; a brick weighs 1 1/4 lbs). 1 brick, 25c; 5 bricks, \$1.00; 25 bricks, \$4.50; 50 bricks, \$8.50; full case, 100 bricks, \$16.00.

**Mushroom, or Hotbed Thermometers**—Wood frame, heavy brass point. Price, \$2.25. Parcel post weight, 2 lbs.

Leaflet on Growing Mushrooms free.



## Mustard

(German—Senf. French—Moutarde)  
One ounce will sow 100 feet of drill.

**Culture**—A small, pungent salad, used like cress; the seed is also used for flavoring pickles, pepper sauce, etc. For salads sow thickly in shallow drills 6 inches apart. Since plants go to seed quickly, short rows should be sown frequently, rather than long ones at one time. Successive sowings can be made every week or two. To grow seed, sow in April, in rows 1 foot apart, and thin out to 3 inches apart when 2 inches high.

**White London**—Leaves dark green, small and smooth. Pkt. 10c; oz. 15c; 1/4 lb. 30c; 1 lb. \$1.00.

**Chinese**—Large, light green leaves, frilled at edge. Pkt. 10c; oz. 15c; 1/4 lb. 40c; 1 lb. \$1.25.

**Southern Giant Curled**—Pkt. 10c; oz. 15c; 1/4 lb. 40c; 1 lb. \$1.25.

## Okra, or Gumbo

(German—Safran)

Four ounces to 40 feet of drill.

**Culture**—Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills three feet apart, one inch deep; thin to 10 inches apart in drills. Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious.

**White Velvet, or Lady Finger**—Bears round, white, smooth pods, unlike other varieties, which are ridged or square edge. The pods are of extra large size, and are produced in great abundance. Pkt. 10c; oz. 15c; 1/4 lb. 20c; 1 lb. 60c.

**Improved Dwarf Green Prolific**—Of dwarf growth, but immensely productive and very early. Short, thick, green pods. Home grown seeds of superior quality. Pkt. 10c; oz. 15c; 1/4 lb. 20c; 1 lb. 60c.

**Perkins' Mammoth Podded**—A distinct, valuable new okra. Its productiveness is simply wonderful. The pods shoot out from the stalk within three inches of the ground, and the whole plant is covered with them to the extreme of its height. The pods are of an intense green color, of unusual length—eight or nine inches—and do not get hard, as is the case with other okras. Very superior for canning. Pkt. 10c; oz. 15c; 1/4 lb. 25c; 1 lb. 60c.



Improved Dwarf Green Prolific Okra

## Onion

(German—Zwiebel. French—Eignon)  
American Grown Seed. One ounce for 100 feet of drill; six pounds for one acre.

**Culture**—For sets sow the seeds early as possible in the Spring, very thickly, in drills. As soon as the tops dry off in the Summer, remove them to a dry, airy place, and early in the following Spring re-plant by placing the sets in shallow drills 12 inches apart and about four inches apart in the drills; the Onions of this process obtained are of large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills one foot apart and about one-quarter inch deep in March or in early April, in strong land, well manured, and thinning them out to stand 3 or 4 inches apart in the drills.

**Prizetaker**—This is the large, pale yellow onion that is offered for sale in fruit stores and markets in the Fall. It grows to a very large size; flesh white, of mild and delicate flavor. The large onions are raised the first year from seed, and with ordinary culture produce enormous crops. The onions sometimes go over three pounds each in weight where good soil and culture is given them. Our seed is pure and genuine. Pkt. 10c; oz. 15c; 1/4 lb. 50c; 1 lb. \$1.50.

**Yellow Globe Danvers**—One of the most extensively used yellow onions. Pkt. 10c; oz. 15c; 1/4 lb. 40c; 1 lb. \$1.50.

**White Silverskin**—Ripens early; of large size, mild in flavor and excellent for Winter use; much esteemed for pickling when small. Pkt. 10c; oz. 15c; 1/4 lb. 50c; 1 lb. \$2.00.

**Large Red Wethersfield**—Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. Pkt. 10c; oz. 15c; 1/4 lb. 40c; 1 lb. \$1.25.

**White Bermuda**—They are of a mild and delicate flavor, and keep longer than any foreign variety. They will produce full-grown onions from seed the same season. Pkt. 10c; oz. 25c.

**Red Bermuda**—Pkt. 10c; oz. 25c.

**Chives Seed**—Pkt. 10c; oz. 75c.

**Southport White Globe**—The earliest of the Southport Globes, perfecting a very handsome product within 90 days from sowing seeds. The bulbs are pure white and of a very mild flavor, also equally as good for keeping as the Yellow Globe. The flesh is remarkably firm and solid. It is an enormous yielder, and as it is very attractive, always sells at high prices. Pkt. 10c; oz. 30c; 1/4 lb. 85c; 1 lb. \$3.00.

## Onion Sets

One quart will plant a row about 50 feet.

Used for an early crop of onions, and should be planted just as soon as the ground can be worked. Press the bulb lightly in the ground and do not cover; in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for Winter storage as early as July 10th. The advantage in planting sets lies in the fact that the young onion is ready in five weeks from time of planting, while those grown from seed cannot be used until well in the Autumn. Shipped on local orders about March 1st, unless otherwise requested.

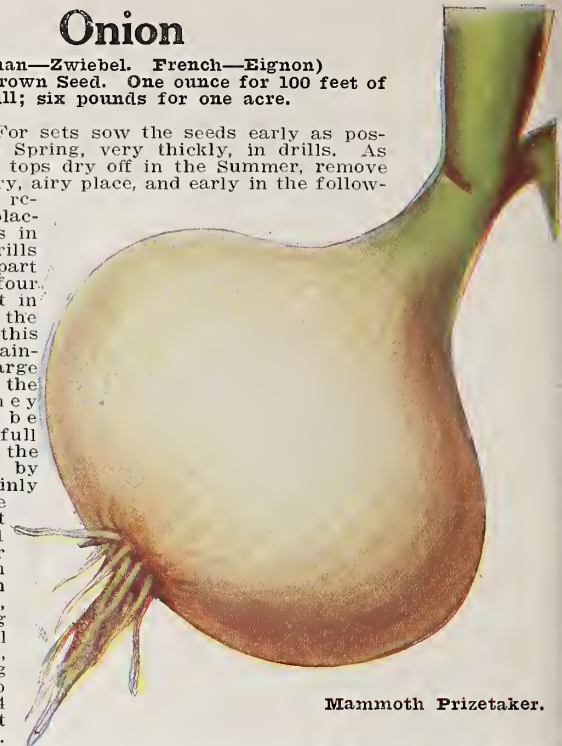
**Yellow Danvers**—Pt. 20c; qt. 30c; pk. \$1.25; bu. of 32 lbs. \$4.25.

**Large Red Wethersfield**—Pt. 20c; qt. 30c; pk. \$1.25; bu. of 32 lbs. \$4.25.

**White Silver Skin**—Pt. 20c; qt. 35c; pk. \$1.50; bu. of 32 lbs. \$5.00.

**Multiplier Onion Sets**, yellow and white and Egyptian Top Onion, Brown, are furnished in September and October. Market price.

Price on Onion Sets subject to change. Prices on larger quantities furnished on request. If ordered to be sent by Parcel Post, include postage according to zone; a quart of Onion Sets weighs about 1/2 lb.



Mammoth Prizetaker.



# M. & S. SUPERIOR HAND PICKED PEAS

(German—Erbesen. French—Pois) Prices on Larger Quantities on Application.  
Sow one quart of seed to 100 feet of row; one and one-half to two bushels to the acre in drills.

**Extra Early Peas**—Weigh 60 lbs. to bushel. **Wrinkled Peas**—56 lbs. to bushel. **Culture**—Peas succeed best in light, dry, loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in the Spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, dwarf sorts three feet apart and tall sorts four feet apart, or in double drills, six to eight inches apart, one inch apart in the drill, and not less than four inches deep, for late sorts five to six inches deep. Deep planting prevents mildew.

If wanted by Parcel Post, include postage, according to zone.

Weight—1 pt. 1 lb.; 1 qt. 2 lbs.; 1 pk. 15 lbs.

Prices on all Pea Seeds are subject to market changes.

Packets of all varieties of Peas, 10c.

## Extra Early Varieties

**Extra Early Alaska**—Popular among market gardeners for an early crop. The pods are medium size, dark green in color and ripen almost at one time. Pt. 25c; qt. 40c; pk. \$2.75; bu. \$10.00.

**Pedigree First and Best**—An excellent strain of first early peas; very popular and largely planted throughout the trucking sections. Height two to two and one-half feet. Pt. 25c; qt. 40c; pk. \$2.75; bu. \$10.00.

**Early Bird**—As early as Alaska and First and Best. As large as Thos. Laxton or Gradus. Dwarf, vigorous vines about 2 feet high, covered with immense well-filled pods. Perfectly hardy. Can be planted as early as any variety. Pt. 30c; qt. 60c; pk. \$3.50; bu. \$12.00.

**Prolific Early Market**—This is one of the largest podded and most productive of all smooth-seeded extra early peas. Vines grow about 30 inches in height, and can all be gathered in two pickings. The pods are remarkably well filled, and the peas sweet and fine flavored. A most satisfactory prolific early sort, both for the market gardener and the home gardener. Pt. 25c; qt. 40c; pk. \$2.50; bu. \$9.00.

Use Farmogerm Nitrogen-Fixing Bacteria on the Peas you plant and be surprised by the results. Garden size, 50c; one-acre size, \$1.00; two-acre size, \$2.50; 12-acre size, \$9.00.

**Long Podded Alaska**—Vines of this variety grow about three feet high and are heavy bearers. The pods, three inches long, mature shortly after Alaska and are well filled with sweet, tender peas. Pt. 25c; qt. 40c; pk. \$2.75; bu. \$10.00.

**M. & S. BOUNTIFUL**—Resembling Long Pod Alaska in general habit of growth. Vines light green in color. Pods three inches long, slightly curved. Seed bluish-green, medium size and pitted. Height of straw, 30 inches. Pt. 25c; qt. 40c; pk. \$2.75; bu. \$10.00.

Larger quantities prices on application.



Prolific Early Market.

## Extra Early Wrinkled Varieties

**M. & S. WORLD'S RECORD**—The earliest wrinkled pea ever introduced. Medium vines of dark green color and heavy foliage, bearing large handsome well-filled pods measuring sometimes 4 ins. and longer, filled with from 8 to 12 tender luscious peas. The best early wrinkled variety for private and market gardeners. Pt. 25c; qt. 40c; pk. \$2.75; bu. \$10.00.

**Thomas Laxton**—An exceptionally fine variety, growing three feet in height and yielding large podded peas, four to five inches in length, of the finest flavor, very early. Pt. 25c; qt. 40c; pk. \$2.75; bu. \$10.00.

**Laxtonian**—A dwarf pea with large handsome pods. It is slightly earlier than Gradus, maturing about the same time as Thomas Laxton. Vines medium dark green and medium heavy of foliage. Pods 3½ to 4 inches long, slightly curved. Will bear more abundantly at top of vines, making it easy to pick, very heavy yielder, altogether a fine pea for private and market gardeners. Pt. 25c; qt. 40c; pk. \$2.75; bu. \$10.00.

**Gradus, or Prosperity**—One of the most popular wrinkled sorts. Even though it matures a short time later than the extra earlies, the pods, fully as long as those of the well-known Telephone, contain very large peas that are unexcelled for sweetness. Superior variety for market or garden. Pt. 25c; qt. 40c; pk. \$2.50; bu. \$9.50.

## Medium Early Wrinkled Varieties

**M. & S. LITTLE MARVEL PEA**—An extremely valuable variety, superior to Nott's Excelsior and American Wonder, especially suited to small home gardens, and also a splendid variety for early market gardening. It matures very early and produces large crops. 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. Pt. 25c; qt. 40c; pk. \$2.75; bu. \$10.00.

**Nott's Excelsior**—One of the best dwarf early wrinkled peas. It grows about 14 inches high, very productive, and the pods 3 inches long, generally contain 6 or 7 large, sweet peas of the finest quality. Well recommended for home use. Pt. 25c; qt. 40c; pk. \$2.75; bu. \$10.00.

**Daisy, or Dwarf Telephone**—The striking features of the Daisy pea are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are nearly double the size of American Wonder, or Premium Gem, and are always well filled with large peas of most excellent quality. The vines are 16 to 18 inches high, and, being strong and thrifty, require no support, making it an ideal variety for use where brush or stakes are not available. This pea is desirable on account of the fine appearance of the pods, and always finds a ready sale. Pt. 25c; qt. 40c; pk. \$2.50; bu. \$9.00.

**Pot Latch**—Strong, vigorous vines, luxuriant dark foliage, 24 inches in height, bearing pods 3½ to 4 inches long, pointed at ends, of medium green color, filled with luscious large tender peas. Pt. 25c; qt. 40c; pk. \$2.50; bu. \$9.00.

## Medium and Late Varieties

**Telephone**—For general planting this tall-growing variety is undoubtedly the most popular among market gardeners. The pods, 4 to 4½ inches long, are light green in color and filled with large, sweet, tender peas. Pt. 25c; qt. 40c; pk. \$2.75; bu. \$10.00.

**Champion of England**—A standard pea; vines grow 4½ feet high and bear medium-sized pods of peas of good quality. Pt. 25c; qt. 40c; pk. \$2.50; bu. \$9.00.

**Improved Sugar Marrow Peas**—We have the genuine stock of this variety. This pea is the kind planted principally by the larger growers around Baltimore for late crop. It is a strong grower and produces an abundance of large, well-filled pods. Pt. 25c; qt. 40c; pk. \$2.25; 60 pounds to bushel, bu. \$8.00.

**Dwarf Melting Sugar**—The pods as well as the peas of this variety are edible and both very sweet. Pt. 30c; qt. 50c.

**Farmogerm Nitrogen-Fixing Bacteria for All Kinds of Peas**—Means bigger crops, healthier vines, early and more continuous crops. Garden size, 50c; \$1.00 per acre bottle; 2 acres, \$2.50; 12 acres, \$9.00. It will pay you to use this when you plant peas and beans. (See index.)



M. & S. World's Record.



## Parsnip

(German—Pastinake. French—Pannais)

One ounce for 200 feet of drill; five to six pounds for an acre.

**Culture**—Sow as early in the Spring as the weather will permit, in drills 16 inches apart and one-half inch deep, in a rich, deep soil; thin out to six inches apart in the rows. The quality of the roots is improved by leaving them in the ground over Winter for Spring use.

**Improved Hollow Crown**—The best variety. A great cropper, roots long, very smooth, white, tender, sugary, and of excellent flavor. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.



Improved Hollow Crown.

## M. & S. Improved Jumbo Peanuts

(German—Erdnusse. French—Pistache de terre)

**Culture**—Plant in May or early June, in rows about 2½ to 3 feet apart, dropping the nuts 8 to 10 inches apart, one in a hill. Cover 1 or 2 inches deep. Cultivate three or four times with a cultivator, so as to loosen the earth and keep down weeds, and at the last working, with a shallow turn-plow throw the dirt to the nuts.

**Price**—¼ lb. 10c; ½ lb. 15c; lb. 25c. Special price on large quantity.

M. & S. Everbearing.



## Pepper (German—Pfeffer. French—Poivre)

One ounce will produce 1,000 plants.

**Culture**—Sow in hotbeds in March or April, or on a warm, sheltered border in May, and when the season is favorable transplant in rows two feet apart and 18 inches in row, in good, rich ground.

**M. & S. Everbearing Sweet Pepper**—Best of all, large productive and of finest quality. The flesh is so thick and the meat so tender, that it can be fried like meat; it is so sweet that it may be eaten like an apple. Pkt. 10c and 25c; ½ oz. 40c; 1 oz. 75c.

**Large Bell or Bull Nose**—Large, early variety; hot flavor, thick and fleshy. Pkt. 10c; oz. 30c; ¼ lb. 85c.

**Chinese Giant**—This is a real monster pepper, perfectly sweet, the fruit is green turning to bright scarlet, matures very late, a very shy seeder. Fine for stuffed mangoes. Pkt. 10c; oz. 40c; ¼ lb. \$1.25.

**Perfection Pimento Pepper**—Very fleshy and sweet. Pkt. 10c; ½ oz. 30c; 1 oz. 50c.

**Large Sweet Spanish**—Pkt. 10c; oz. 30c; ¼ lb. 85c.

**Long Red Cayenne**—Long, slim, and very pungent. Pkt. 10c; oz. 30c; ¼ lb. 85c.

**Mammoth Ruby King**—Good for Mangoes or pickling, very sweet. Large, quite productive. Pkt. 10c; oz. 30c; ¼ lb. 85c.

**Small Chili**—Small, conical pods. Very hot. Pkt. 10c; oz. 50c.

**Red Cherry**—A small round pepper, very hot. Pkt. 10c; oz. 75c.

**Neapolitan**—Grows a long shape and somewhat narrow; it stands upright on the bushes. Sweet, bright red; and very early. Pkt. 10c; oz. 50c.

**Golden Dawn**—A large yellow variety, very sweet. Pkt. 10c; oz. 50c.

PEPPER PLANTS LISTED ON PAGE 5.



## Parsley (German—Petersilie. French—Persil)

One ounce to 150 feet of drill.

**Culture**—Parsley requires rich, mellow soil. The seed is even slower than Parsnip in germinating, and should be sown as early as possible in the Spring, in drills one foot apart, and when the plants are well up thin to one foot in the row. When the plants are about three inches high, cut off the leaves, the plant will start a new growth.

**M. & S. GREEN CURLED BEAUTY PARSLEY**—Very handsome, dark green, immensely curled. Dwarf habit, hardy and productive; very slow going to seed; it can be cut the year around. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**Champion Moss Curled**—A distinct variety of unequalled merit, beautifully crimped and curled. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

**Green Mountain Parsley**—Beautifully crimped and curled; perfectly hardy and vigorous grower. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

**Plain, or Single**—Very strong in flavor, but not curled. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

**Hamburg, or Rooted**—Edible roots. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.



See Our New Introductory Offer on Potato Seed, as Illustrated and Described.

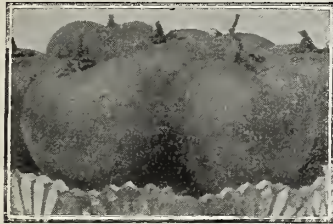
# POTATOES

See Our New Introductory Offer on Potato Seed, as Illustrated and Described.

(German—Kartoffeln. French—Pomme de Terre)

## Cook's New Hybridized Potato Seeds

(FROM THE TRUE SEED BALLS)



Balls Half Size

Cook's Potato Seeds are the wonder of Gardeners and a puzzle to Scientists. No other can compare. Over 100 new seedling varieties can positively be grown from a single packet. All valuable new Potatoes are produced from such seed. One may be worth a gold mine. There will be all colors, shapes sizes and qualities—often 50 to 200 Potatoes in a hill. There will be white, yellow, red, pink, blue, purple and black Potatoes. Marvelous "freaks" often appear. They seem to grow mad and try to produce anything and every-Seed-Balls are vanishing. Get

thing in the Potato line. Potato the seed now while you can. Millions want them. Packet 15c; 4 for 50c; 10 for \$1.00.

**Directions for Planting:** Plant early in a hotbed, or warm border. Cover seed lightly, and press firmly. Give plenty of sun. Do not crowd them. When 3 inches high, transplant two feet apart. Cultivate well; keep free of weeds and bugs. When ripe store in a cellar. The tubers will be one-half to two inches or more in diameter the first season. In two or three years they will attain full development.



Irish Cobbler Potato

### Present Price of All Kinds:

Peck, 60c; bushel, \$2.00; per 165-lb. sack, \$5.00.

Ten bushels cut tubers will plant one acre.

Prices on quantity of Potatoes furnished on application. Potato prices subject to market fluctuation.

**Culture**—Planting may commence as early in the Spring as the ground can be worked. Place one piece every twelve inches in rows two and one-half feet apart, covering about four inches. When cutting the seed allow one eye to each piece.

Our potatoes are put up in barrel sacks of 165 lbs. each.

**Red Bliss**—Very early, thin, red skin, round, white flesh.

**Irish Cobbler**—This is an early potato of exceptional merit, which has given our trade entire satisfaction. The shape is round. Flesh is white and the eyes strong and deeply set.

**Houlton Early Rose**—The Houlton strain of the old favorite Early Rose has been the most popular on our market in recent years.

**Crown Jewel**—A well-known and deservedly popular early variety. Very productive and an excellent cooker. Skin white and smooth, eyes shallow, but strong.

**M. & S. FILL BASKET**—On account of the large yields that have been reported on this potato, our sales on it have increased wonderfully. It is of handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper and is fast becoming one of the most popular medium late varieties. The vines are always very heavy, the seed being especially vigorous, and tubers always good size, where soil is well tilled. Our customers will find the M.-S. FILL BASKET a very reliable potato. Very smooth and a good cooker. We can furnish nice stock while the supply lasts.

**Early Ohio**—This is a very profitable variety. It is fit for use before fully ripe. It is shorter and rounder than the Early Rose, of good quality and very early.

**Improved Green Mountain, Early Norther, New Queen, Carmen No. 3, Prosperity, Burbank, McCormick, Rehoboths.** Prices furnished on application.

**Choice Seed Sweet Potatoes, Leading Varieties**—Prices on application. Sweet Potato Plants. SEE PAGE 5.

## Pumpkins

(German—Kurbiss. French—Potiron)

One ounce for fifteen hills; three to four pounds plant an acre.

**Culture**—Sow in the month of May. Make hills the same as you do for squashes, but do not make the hills too close.



King of the Mammoths, or Pot Iron.

**M. & S. YANKEE PIE PUMPKIN**—The best Pie Pumpkin that grows. Strong vines bearing an abundance of good keeping, large handsome pear shaped, golden yellow pumpkin, which are so sweet that they require very little sugar and ripen early. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

**Cushaw, or Winter Crookneck**—An old standard variety, which is very popular. It is also used for feeding stock. Long yellow crookneck, fine grained yellow flesh, very solid. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00.

**Cushaw Striped**—Same as above, but it is green and white striped. Price, same as above.

**King of the Mammoths, or Pot Iron**—An immense variety, which always wins prize offered for the largest and best pumpkins grown to weigh over 200 pounds. Flesh of a rich, golden yellow; a splendid keeper. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**Japanese Pie**—Flesh very thick, rich salmon color, fine grain, dry and sweet. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. 85c.

**Tennessee Sweet Potato**—Excellent for pies; pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first rate keeper. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. 85c.

**Cheese**—Shape flat like a cheese box; good keeper, popular. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**Common Yellow, or Connecticut Field**—Very productive; for feeding stock. Oz. 10c; ¼ lb. 20c; 1 lb. 50c.

**Sugar, or New England Pie**—For making pies this variety cannot be excelled. The Pumpkins are small but very sweet, fine grained and of the best quality. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. 90c.

**Winter Luxury Pumpkin**—A very good keeper and a splendid pie Pumpkin; shape round, skin finely netted, and beautiful russet-yellow color; flesh thick and of fine flavor. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. 90c.



# M. & S. SELECTED RADISH SEED

(German—Radies. French—Radis)

One ounce for fifty-foot drill; ten pounds in drills to one acre.

**Culture**—To be tender and crisp Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the Spring, sow at intervals of ten days. May also be sown as a catch crop between rows of beets, lettuce, onions, etc. Radishes can be forced in hotbeds, but must have plenty of ventilation and moisture.

## Extra Early Varieties



M. & S. Strain Scarlet Globe Radish

**Scarlet Globe Early—M. & S. Strain**—Highly recommended for truckers. This variety can be used for forcing and is recommended for early outdoor planting. It is small, round, red radish, of excellent flavor; its rich, crisp, tender flesh makes it very popular. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**M. & S. EARLY CARDINAL RADISH**—These are the best little crisp red radishes, which come so early in the season; they grow globular in shape and are of the most brilliant cardinal red color; are tender and crisp; will stand the heat and are fine for forcing. The most desirable kind for home garden and market gardeners' use. **Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 90c.**

**French Breakfast, Early**—Oblong shape, rapid grower, very mild and tender; of a beautiful scarlet color, topped with white. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**Early Long Scarlet Short Top**—The principal outdoors quick-growing variety, also very good for forcing. Grown in light, rich soil, its average length is about eight inches; grows half out of the ground, straight, uniform in color, brittle, crisp, small tops, bright scarlet. **Pkt. 10c; or 15c; ¼ lb. 25c; lb. 60c.**

**Long White Vienna or Lady Finger**—Has slender pure white roots which are smooth and average about 6 to 7 inches in size when matured. They are quite early and of excellent quality. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 60c.**

**Icicle**—A beautiful long, slender radish, of recent introduction. Beautiful pearl-white color, firm and solid, slow to get woody. A good seller. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 60c.**

**White Strasburg**—Handsome, oblong, tapering shape, both skin and flesh pure white; flesh firm, brittle, tender and possessing the most desirable character of retaining its crispness, even when the roots are old and large. Excellent for Summer use, as it withstands severe heat and grows very quickly. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**New Glass, or Cincinnati Market**—A long Scarlet Radish with a distinctive white tip. A suitable radish for deep mellow soil. A fine radish for the home garden as well as an attractive one for the market stall. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**White Turnip (Short Top)**—Of quick growth; roots round, pure white, tails very thin; leaves short, flavor excellent. Fine for forcing and open ground. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

The best soil improver you can use is manure. Use plenty of it. We can sell you a whole wagon load in a 100 lb. bag of our High Grade Sheep or Cattle Manure, at a surprisingly low figure.

Gentlemen,—The last Early Long Scarlet Short Top Radish seed I got from you done fine and sell well here owing to their bright scarlet color.

Thanking you for your promptness in filling my last order, I remain,  
Yours respectfully,  
D. S. RADEBAUGH, Hialeah, Fla.—Dade Co.

**White - Tipped Scarlet Globe**—A good forcing variety. Small size and very attractive, being a handsome, bright scarlet, with white tip. Very early and good quality. **Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.**



White-Tipped Scarlet Globe

**Prussian Globe**—This is a short top, round red Radish, which will always stay popular on account of its good qualities; can be used for forcing and outdoors. **Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.**

**Ruby King, Extra Early**—Of brilliant red color, fine for forcing or open ground; roots are tender, juicy and mild. The best round red Radish that grows. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**Crimson Giant**—Like above but much larger. Very desirable. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**Strawberry**—The exceptional merit of this radish is proved by its popularity increasing every year with successful market gardeners. This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, and is a high class strain for out-door planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

## Summer Varieties

**Large White Stuttgart**—Very large, top-shaped, flesh and skin white, fine quality, firm and brittle, seldom pithy. Can be stored for winter. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**Large White Summer Turnip**—Round, smooth and very white; crisp and tender. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**Golden Globe**—A favorite summer radish. Golden-brown skin, perfect globe shape, mild and brittle, slow to seed. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**Improved Chartier**—Somewhat resembling brightest scarlet—early radish. It is double the size and later; long scarlet and tipped with white. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

## Winter Varieties

**Long Black Spanish**—Large radish, with black skin and white firm flesh, grows six to eight inches long. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**Round Black Spanish**—Like the above, except that it is round shape. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**Long White Spanish**—Like the Long Black Spanish, only different in color. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**Round White Spanish**—Like the Round Black, but white, like all the Spanish radishes, which are fine keepers, mild flavor and brittle. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**China Rose, or Scarlet China**—Bright rose-colored, stump-rooted, of excellent quality. **Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.**

**White Chinese, or New Celestial**—Large stump-rooted, white skin and flesh, mild in flavor, brittle and never woody. For late planting and a splendid keeper. Market gardeners will find this a good variety that sells readily. **Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 90c.**

**Sakurajima (Mammoth Japan)**—The largest sort in cultivation. Sow early in rich soil. In Japan it grows as much as twenty-one inches long and forty-three inches in circumference. Thin well to allow of proper development. **Pkt. 10c; oz. 25c; ¼ lb. 75c.**

**Merima**—Also a Japanese radish. Similar to Sakurajima, but round instead of long. Very tender and sweet. **Pkt. 10c; oz. 25c; ¼ lb. 75c.**

**HORSERADISH (German—Meerrettig; French—Raifort)**—**SEE PAGE 5.**



## Rhubarb

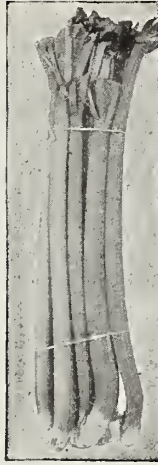
(German—Rhababer. French—Rhubarbe)

**Culture**—Sow seed in a cold-frame, in a fine, rich, sandy loam, about the first of March, in drills four inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in six or eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows twelve inches apart and twelve inches in the row. The following Spring transplant to a permanent location, setting four or five feet apart each way. In good soil Rhubarb is ready to use the second year from seed.

If our two-year-old roots are used, a crop may be had the same season, which is much better than sowing seed where only a few plants for family use are needed. In the Fall the bed should have a thick dressing of coarse manure, to be spaded under in Spring.

**Queen Victoria**—The leading variety. Pkt. 10c; oz. 20c; ¼ lb. 60c.

ROOTS—SEE PAGE 5.



## Salsify, or Oyster Plant

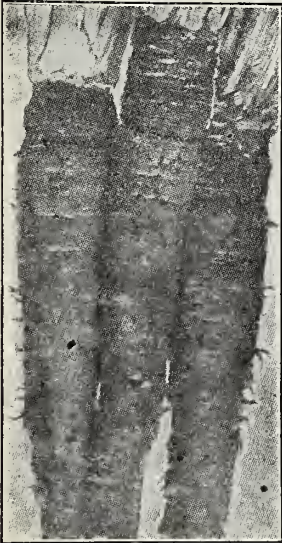
(German—Haferwurz. French—Selsin)

One ounce to seventy feet of drill; about eight pounds to the acre.

**Culture**—Sow as early as the ground can be worked in the Spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row. Keep them free from weeds. Cultivate the same as for Carrots and Parsnips. A part of the crop may be left in the ground till Spring, when it will be found fresh and plump. The roots are cut into pieces one-half inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like Parsnips, and have a sweet and agreeable flavor like that of the oyster.

**Mammoth Sandwich Island**—This is an improved type and the largest and most profitable salsify now in cultivation. It is white in color, and a satisfactory sort in every way; invaluable to market gardeners and truckers.

Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.



Mammoth Sandwich Island Salsify

## M. & S. Swiss Chard, Delmonico

This is the finest swiss chard that grows, making large handsome, finely crimped light green leaves, which are tender and have a delicious flavor, the ribs are edible and not unlike asparagus. Absolutely the best for home gardens. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00.

**Swiss Chard, or Spinach Beet, Giant Lucullus**—The leaves of Swiss Chard are used as greens, cooked in the same manner as spinach, and the large ribs are prepared like asparagus, in which manner they are delicious. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.



M. & S. Swiss Chard, Delmonico

## Vegetable Marrow

**Italian (Cocozelle di Napoli)**—Grows about 20 inches long, with a diameter of 3 or 4 inches. Skin smooth, dark green, marbled yellow or pale green. In Italy it is eaten when quite young. Pkt. 10c; oz. 15c; ¼ lb. 50c.

Gentlemen—The Sweet William Seed which I purchased from you last year turned out to be the most beautiful I have ever seen. One bush seemed to be an exception. I can recommend them highly to any of your customers.

A. L. LEPPER, Raspeburg, Md.

## Sorrel, or Sourgrass

(German—Sauerampfer. French—Oseille)

**Culture**—Sow in Spring in drills 18 inches apart, in a rich soil and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

Large French—Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

## Squash

(German—Gemuse Kurbis. French—Courge)

Bush sorts, one ounce for fifty hills; five to six pounds to acre; running varieties three to four pounds in hills for an acre.



M. & S. Perfection Bush Squash

**Culture**—Squashes should be planted in a warm, light, rich soil after the weather has become settled and warm, about the middle of May or June. Plant in well-manured hills, in the same manner as Cucumbers and Melons—the Bush Varieties three to four feet apart each way, and the running kinds from six to eight feet. Eight to ten seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from

bugs is over, leaving three to four of the strongest plants per hill.

**M. & S. PERFECTION BUSH SQUASH**—This is the finest scalloped white squash that grows, obtaining large size but stays tender as butter for a long time. The best for home gardens and market gardeners. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**Early Mammoth White Bush Squash**—An excellent strain. Early prolific and much larger than the old White Bush. Splendid for market, best for shippers. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 90c.

**Summer Crookneck, Bush Variety**—About one foot long, with crooked neck, bright yellow, warty, shell hard when ripe. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**Hubbard**—An excellent keeper and of splendid quality. Vines of strong running growth. Large olive-shaped fruits with dark green skin and very rich flesh. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**Golden Hubbard**—Like the above, but of a beautiful orange-red color, except for a bit of olive-green on blossom end. Flesh deep orange, dry, fine grained and richly flavored. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**Boston Marrow**—This is a large-fruited, hard-shell sort, highly esteemed for Winter use, having bright orange skin and deep orange flesh. Very fine and extensively used for pumpkin pies. Fine strong running growth. Very productive, oval shape. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.



Boston Marrow Squash



## Turnip

(German—Rube. French—Navet)

One packet for 100 feet; two pounds to the acre.

**Culture**—For early use sow as soon as the ground opens in Spring, drills from 12 to 15 inches apart; thin out to six or nine inches in the rows. For a succession, continue to sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 or 15 inches of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the Spring.

M. & S. Early  
Champion  
Turnip



**M. & S. EARLY CHAMPION TURNIP**—This is the best Turnip for home gardens and market gardeners to plant. It is large perfect globe shape, white as snow with a beautiful distinct red shoulder (tops are not over large), stays tender and sweet a long time. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**Red, or Purple Top White Globe**—A variety of decided merit, and the most popular in our markets. Globular-shape, very handsome and of superior quality. Is a heavy producer, early, and of rapid growth, and an excellent keeper. Besides being a first-class table turnip, it is also very good for stock. Pkt. 10c; ¼ lb. 15c; 1 lb. 50c.

**Extra Early Purple Top Strap Leaved**—The earliest in cultivation and a splendid turnip. Is very flat, medium size, smooth, with bright-purple top. Leaves are few and short and grow compactly, making very small top. Pkt. 10c; ¼ lb. 15c; 1 lb. 50c.

Improved  
Purple Top  
Ruta Baga,  
or Swede  
Turnip



**Purple Top Yellow Aberdeen**—Medium size, round, pale-yellow, tender and sugary. Is hardy and productive and keeps well. Closely approaches Ruta Baga in hardiness and firmness of texture. This is an old esteemed variety for stock. Pkt. 10c; ¼ lb. 15c; 1 lb. 50c.

**Improved Purple Top Ruta Baga, or Swede**—The leading variety of Ruta Baga and is grown principally for stock, although it is very often used for table. Hardy, productive, flesh yellow, solid, sweet, fine grained and of good flavor. Ruta Bagas should be sown about one month earlier than other turnips. Pkt. 10c; ¼ lb. 15c; 1 lb. 50c.

**White Egg**—A quick-growing, egg-shaped variety. Very smooth, pure white, grow half out of ground. Has a small top and rough leaves. Flesh is of excellent quality. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**Yellow, or Amber Globe**—Excellent for table use or stock. Fine quality, keeps well. Pkt. 10c; ¼ lb. 20c; 1 lb. 60c.

**Pomeranean White Globe**—Free growing and rough-leaved. Pure white. Useful for table and stock. Large and productive. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**Cow Horn**—A long, white, carrot-shaped turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort. Has lately been brought to prominence for green manuring in connection with rape. Pkt. 10c; ¼ lb. 15c; 1 lb. 50c.

**Seven Top**—Grown exclusively for its tops, and when properly prepared and cooked, make a fine dish. Withstands our winter without any protection. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00.

**Tennoji Turnip**—A Japanese variety of exceptional merit. Flat, snow white and of immense size, but very fine flavor. Seed very scarce. Pkt. 10c; oz. 25c.

## Spinach

(German—Spinat. French—Epinard)

One packet will sow fifty feet of drill; fifteen to twenty pounds to an acre.

Prices on larger quantities furnished on application.

**Culture**—Sow in early Spring, in drills a foot apart, every two weeks for a succession, and as it grows, thin out for use. For Fall use, sow in August, and for Winter crop in September. Cover that which is left out over winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills two feet apart each way, three or four seeds in a hill.

Savoy Spinach



**Bloomsdale Savoy Leaved**—The popular Fall spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Pkt. 10c; ¼ lb. 15c; 1 lb. 30c; 5 lbs. \$1.25.

**Victoria**—A favorite for early Summer. It is one of the darkest in color. Pkt. 10c; ¼ lb. 15c; 1 lb. 35c; 5 lbs. \$1.25.

**Long Season**—Leaves are decidedly dark green in color, very broad, thick and fleshy. It resists the Summer heat. Pkt. 10c; ¼ lb. 15c; 1 lb. 35c; 5 lbs. \$1.25.

**New Zealand**—Not related to the regular Spinaches but forms large, spreading plants, five to eight feet across, during summer and early fall, from seeds sown during April. The ends of the branches hold fleshy, brittle tips and leaves, these being the greens used as Spinach. Of delightful flavor and practically ever-bearing. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**Triumph Spinach**—This excellent new Spinach is nearly double the size of the Victoria and has all its good quality. Very profitable for market gardeners and shippers. Pkt. 10c; ¼ lb. 15c; 1 lb. 35c; 5 lbs. \$1.25.

**Juliana (the latest introduction)**—Very long standing, heat resisting, handsome dark-green. Very thick and curled leaves. Absolutely without male plants which is the cause of the long-standing quality. Pkt. 10c; ¼ lb. 15c; 1 lb. 50c; 5 lbs. \$2.00.

**King of Denmark**—The leaves are large, rounded, somewhat blistered, and deep green. The plants grow vigorously and are ready to use as soon as any kind; while at the same time they remain a long time in good condition after other kinds have run to seed. Pkt. 10c; ¼ lb. 15c; 1 lb. 50c; 5 lbs. \$2.00.

## Tobacco Seed

Connecticut and Pennsylvania Seed Leaf—Pkts. 5c and 10c; oz. 25c.

Havana Seed Leaf—Pkts. 10c; oz. 35c.

Maryland Tobacco—Pkts. 10c; oz. 25c.

Gentlemen,—On your recommendation I planted the past season quite a good size patch of your M. & S. Early Wonder Tomato and must say that it is all that you claimed for it.

Very truly yours,

C. GEIS, Millersville, Md.



# M. & S. "SURE CROPPING" TOMATOES

(German—Liebesapfel. French—Tomate)

One ounce for 1,500 plants; quarter pound (to transplant) an acre.

**Culture**—This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hotbed about the first week in March, or latter part of February, in drills five inches apart, and half an inch deep. When the plants are about two inches high they should be set into small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground in hills three feet or four feet apart, each way. (Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen.) Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation), or the crop may be badly injured, especially if the cultivator is run too near the young plants.

## EARLY VARIETIES

### M. & S. Early Wonder

This is the third year that we are offering this wonderful extra early Tomato, after several years of careful selection. The fruits are large for so early a variety, round or slightly flattened, deep scarlet red color, smooth, free from cracks and of fine quality. It produces ripe fruit as early as Earliana and continues to yield marketable fruit a longer period than the other first early varieties. The vines are vigorous and very productive. We consider this a valuable addition to the list of early tomatoes for the market or home garden. **Pkt. 25c; oz. \$1.00; 2 oz. \$1.75; ¼ lb. \$3.00; 1 lb. \$10.00.**

**The "Burbank"—The Earliest Tomato in the World**—By far the earliest, smoothest, solidest, most productive, and best of all early tomatoes; resists wilt and other tomato diseases better than most others. Fruit, bright red; thick, solid, heavy, smooth, firm, medium to large in size, superior quality, unusually heavy and continuous bearer throughout the season; best keeper and shipper. The "Burbank" has one other unique and most remarkable quality which will be appreciated by those who like fresh sliced tomatoes for the table. Unlike other tomatoes, the skin peels freely from the rich, firm flesh. **Price: Pkt. 15c; 2 pkts. 25c; 10 pkts. \$1.00. In bulk, ¼ oz. 50c; ½ oz. 80c; 1 oz. \$1.50.**



M. & S. Early Wonder Tomato

**John Baer**—This tomato compares with Bonnie Best, but grows much heavier foliage and larger fruit; is also more productive. While not as early as the Earliest, it will pick some fruit quite early; the bulk of the crop coming five to seven days later. It is a good, all around tomato, the fruit being smooth, ripening clear to the stem and of a good rich red color. **Pkt. 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.**

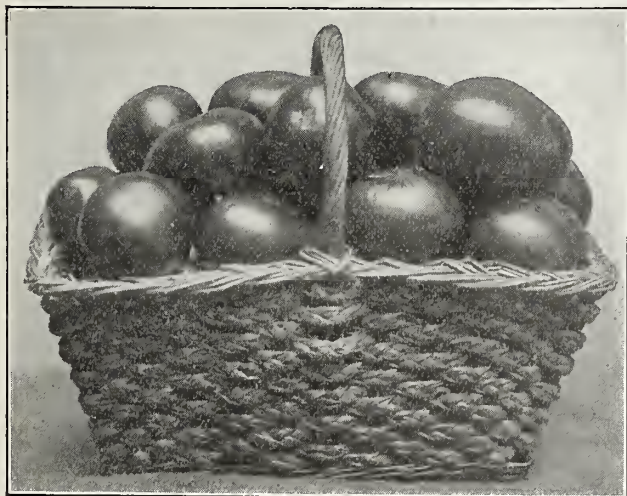
**June Pink**—For gardeners who have a market for a nearly purplish pink fruit (which is produced in clusters). This is the variety to plant. True strain seed. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.**

**Sunnybrook Special**—A great favorite with the Anne Arundel County truckers on account of its earliness, productiveness and uniformity. **Pkt. 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.**

### M. & S. Incomparable Tomato

We pronounce this the best medium early Tomato that grows. It produces large smooth fruit, which are very thick from stem to blossom end, very solid and of a deep red color. It yields immensely and clean up to frost, we have counted fifteen marketable fruit on a single crown setting. We do not mean to say that half the patch will do this, but we can honestly say that we saw a great many plants with seven, eight and nine fruits on a crown setting. The vines are stout and dark green, holding the fruit well off the ground.

Seed scarce, order early, grown exclusively by us. **Packet 10c and 25c; ounce 50c; ¼ pound \$1.75; 1 pound \$6.00.**



Chalk's Early Jewel Tomato

**Extra Early I. X. L.**—Combines extreme earliness, immense size and prolificness. Fruit red, ripening mostly all at one time. **Pkt. 10c; oz. 20c; ¼ lb. 75c; 1 lb. \$2.50.**

**Sparks Earliana**—Particularly desirable for shipping and for earliest market. The fruits are smooth, round, of red color, making desirable and salable fruits. **Pkt. 10c; oz. 20c; ¼ lb. 75c; 1 lb. \$2.50.**

**Chalk's Early Jewel**—The finest of the very early tomatoes. About a week later than the Earliana, but far superior in quality. Fine red color, fine quality, hardy and productive. Excellent flavor. A most profitable variety for early and main crop. **Pkt. 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.**

**Extra Early Mascot**—Great favorite among the Anne Arundel County truckers on account of its earliness, productiveness, and uniformity of good size; smooth, red-skinned tomatoes. **Pkt. 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.**

**King of the Earliest**—One of the largest Early Red Tomatoes, which well deserves its name. **Pkt. 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.**

**Bonnie Best**—A tomato of fine quality. Early, round, smooth, red fruit of excellent flavor. **Pkt. 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00.**



M. & S. Incomparable Tomato



# M. & S. MAIN CROP AND SMALL FRUITED TOMATOES



M. & S. Big Chief Tomato

**M. & S. BIG CHIEF**—A grand new main-crop tomato of the very highest quality. It produces an abundance of large handsome red fruit, which ripens clean to the stem and will bear heavily from early part of July until frost. It is a very shy seeder. The meat is deliciously juicy and free from acid. It is rare to see an ill-shaped fruit on a M. & S. BIG CHIEF VINE. We have tested this valuable new variety very carefully and have always been more than satisfied with the results. Order quick, as the seed is scarce, grown exclusively by us. Pkt. 25c; oz. 50c; ¼ lb. \$1.75; 1 lb. \$6.00.

**Kelly's Red**—This variety has obtained immense popularity in the last few years. It was originated in Anne Arundel County. Its solidity and carrying qualities are remarkable. Its color is a desirable red. Its shape perfectly smooth and thicker from stem to blossom than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.

**Greater Baltimore**—General crop tomato of sterling merits; large, smooth, beautiful red skin fruits, which are produced in great abundance until frost kills the vine. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.

**B. B. (Brinton's Best)**—A very fine late crop tomato, which is similar to the New Stone. Keeps well after being picked. A vigorous grower and quite popular. Pkt. 10c; oz. 20c; ¼ lb. 75c; 1 lb. \$2.50.

**Wisdom**—This tomato of recent introduction has become very popular. It is a great yielder of large handsome red fruit, which ripens clean to the stem. It makes very strong vines and should be given plenty of room. Pkt. 10c; oz. 40c; ¼ lb. \$1.50; 1 lb. \$5.00.

**Ponderosa**—Remarkably large and of fine quality. Very solid. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

**M. & S. IMPROVED NEW STONE**—This variety is one of the very best tomatoes grown. For productiveness, shipping and canning qualities it is excelled by none. Bright scarlet, fine flavor, very smooth and round. We recommend it as a thoroughly reliable main crop tomato. Pkt. 10c; oz. 20c; ¼ lb. 75c; 1 lb. \$2.50.

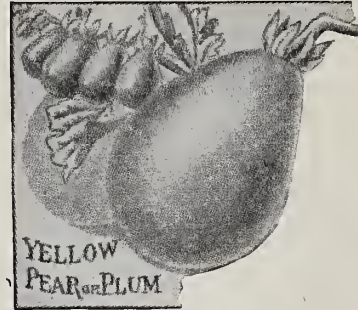
Gentlemen:

I have planted your Early Wonder Tomato. They surely are wonderful. Produced the finest crop of extra early tomatoes I have ever seen.

Yours truly, E. RUTOWSKI, Rossville, Md.

**New Queen**—Large, solid, smooth, handsome, deep red color, a heavy cropper and popular with canners. Pkt. 10c; oz. 20c; ¼ lb. 75c; 1 lb. \$2.50.

**Maryland Pride**—A tomato for main crop. Producing enormous quantities of fine, large, red tomatoes, which carry well, making it a good shipper. Pkt. 10c; oz. 20c; ¼ lb. 75c; 1 lb. \$2.50.



**Golden Queen**—Bright-yellow, large and solid. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

**Yellow Pear and Yellow Plum**—Two small-fruited kinds for preserves. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

**Red Pear**—Pear-shaped red. Pkt. 10c; oz. 40c.

**Peach**—Very small, pink fruit, with slight peach bloom on skin. Pkt. 10c; oz. 40c.

TOMATO PLANTS,  
PAGE 5.

## Clover Seeds

Write for Samples and Prices in Larger Quantities.  
Prices Subject to Market Fluctuation.

**Alfalfa, or Lucerne (Medicago sativa)**—Requires deep, rich well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 or 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about the same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, one to three feet. We handle home as well as foreign grown alfalfa. 30c per lb. Large quantity price on application.

**Alsike, or Hybrid Clover (Trifolium hybridum)**—A perennial, one to three feet high; grows well in our locality and can withstand severe cold. A good honey plant for bees. Fifteen lbs. to the acre. Lb. 30c.

**Red Clover (Trifolium pratense)**—One of the most valuable farm crops for pasture, hay, or for turning under for green manure. It requires a deep, rich soil and yields two hay crops in the season. Sow at the rate of 15 pounds to the acre. Lb. 35c.

**Mammoth Red, or Sapling Clover**—Grows larger and lasts longer than the common red clover; valuable for plowing under. Ten pounds to the acre. Lb. 35c.

**Crimson, or German Clover (Trifolium incarnatum)**—Erect annual, one to two feet high, with bright-scarlet flowers. It is largely grown for improving the soil by turning under. It is a valuable crop for pasture or green manure. For hay it should be cut when in full bloom. Sow 20 pounds to the acre. Lb. 20c.

**White Sweet Clover (Melilotus Alba or Bokhara)**—Valuable sort for soiling and for ensilage and bees. Grows from 3 to 5 feet high; sown in rich soil; may be cut three times; lasts for years if cut before flowering. Lb. 25c.

**White Clover (Trifolium repens)**—It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in lawns and permanent pastures, being sweet and nutritious. Sow in Spring. In mixtures, one or two pounds; if alone eight or ten pounds to the acre. ¼ lb. 25c; ½ lb. 40c; 1 lb. 75c.



**Farmogerm Nitrogen-Fixing Bacteria for All Kinds of Clover**—Means bigger crops, healthier growth, early and more continuous crops. Garden size, 50c; \$1.00 per acre bottle; 2 acres, \$2.50; 12 acres, \$9.00. It will pay you to use this when you plant peas and beans. (See index.)



# M. & S. RELIABLE GRASS, FORAGE AND FARM SEEDS

If Grasses Are Wanted by Parcel Post, Allow for Postage. Prices on Grasses Subject to Market Changes.  
Write for Samples and Prices in Larger Quantities.

**Blue Grass, Fancy Kentucky**—(Poa Pratensis)—Our stock of this is extra fine, thoroughly re-cleaned; sow 3 to 5 bushels per acre on lawn, 2½ to 3 bushels on pasture fields (bu. 14 lbs.). Per lb. 40c. Larger quantity on application.

**Bermuda Grass**—Adapted for seashores, very hardy. 50c lb.

**Creeping Bent** (Agrostis Stolonifera)—Adapted admirably for lawns, also putting greens, tennis courts, etc.; sow 4

bu. per acre (20 lbs. per bu.). Price, lb. \$1.00.  
**Crested Dogstail** (Cynosurus Cristatus). Excellent as a pasture and lawn grass. Sow 3½ to 4 bu. per acre (21 lbs. per bu.). Price, lb. 50c.

**English, or Perennial Rye Grass** (Lolium Perenne). (Pacey's Fancy Short Seeded.) This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 2½ bushels per acre (20 lbs. per bu.), 25c per lb.



M. & S. Permanent Pasture Mixture makes a nutritious food for cattle. See third cover



Timothy.

**Hard Fescue** (Festuca Duriuscula)—A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bu. per acre (12 lbs. per bu.). Price, lb. 40c.

**Herd, or Red Top Fancy Re-cleaned**—This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 40 lbs. per acre (32 lbs. per bu.). Price, lb. 35c.

**Herd, or Red Top Unhulled** (Agrostis Vulgaris). Sow 4 to 5 bu. per acre on lawns or 3 bu. on pasture lands (10 lbs. per bu.). Price, lb. 25c.

**Meadow Fescue** (Festuca Pratensis)—Sow 40 to 50 lbs. per acre (22 lbs. per bu.). Price, lb. 25c.

**Italian Rye** (Lolium Italicum)—Very desirable for pasture; being an annual, it comes to maturity the first season; the ideal lawn seed for Southern lawns in winter. Sow 50 lbs. per acre (18 lbs. per bu.). 25c per lb.

**Orchard Grass**

(Dactylis Glomerata)—For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 4v lbs. per acre (14 lbs. to bu.) Price, 35c per lb.

**Red, or Creeping Fescue** (Festuca Rubra)—Very valuable for sowing on sandy soil and in shaded places and putting greens, tennis courts, bu.). Price on application.

**Rhode Island Bent**—For sowing at seashore resorts, on putting greens. (14 lbs. per etc.; 40 lbs. per acrt (14 lbs. per bu.). Price lb. \$1.00.



Orchard Grass.

**Sheep's Fescue** (Festuca Ovina)—This makes an excellent grass for sowing on lawns, fields, or pleasure grounds. Sow 40 lbs. per acre (12 lbs. per bu.). Price on application.

**Sudan Grass**—A tall annual grass, growing 6 to 8 feet high when drilled, but when sown broadcast thickly does not grow quite so tall. Every farmer and stock raiser should learn about this wonderful grass, as it is eaten by all kinds of stock, and will produce more hay to the acre than any grass that has ever been introduced. Allows 3 to 4 cuttings, and produces 2 to 5 tons per acre, depending upon the soil. Can either be drilled at the rate of 2 to 3 pounds per acre in 3-foot rows or broadcast at the rate of 10 to 20 pounds per acre. Plant from March to August. 25c per lb. Larger quantities, price on application.

**Tall Meadow** (Avena Elatior)—A valuable lawn and pasture grass. Extremely valuable for use in the South. Sow 5 bu. per acre (10 lbs. per bu.). Price on application.

**Timothy** (Phleum Pratense)—Sow one-half bu. per acre alone, with clover 1 peck (45 lbs. per bu.). 15c per lb. Price varies constantly; ask for quotations.

**Broom Corn** (Sorghum vulgare)—Succeeds in a good, deep soil, fresh but not damp, very sensitive to cold. Long-brush Evergreen, which is made into Brooms. (Bu. 50 lbs.). 20c lb.

**Kaffir Corn**—Of great drought-resisting quality. Can be sown as late as July; 10 lbs. to the acre in drills (bu. 56 lbs.). 10c lb.

**Cow Peas** (Vigna Catjang)—Valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become warm. Sow 2 bu. per acre broadcast; 1 bu. in drills. We offer Black Whipperwill, Gray, New Era, Black Eye and other leading varieties, also mixed. Price on application.

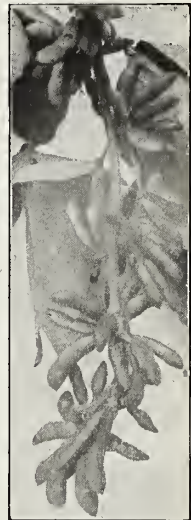
**Cow Peas with German Millet**—This mixture, long discouraged because the growth of the older varieties of Cow Peas is slower than that of Millet, is now made profitable by the introduction of the quicker-maturing New Era and Groat Peas; and even two varieties that take a little longer to mature—the Brabham and Whipperwill—make such a luxuriant growth by the time the Millet is ready to cut that the result is a more abundant yield of hay than Millet alone could make, with a corresponding improvement in the quality.

**Golden Millet** (Panicum Miliaceum var)—An improved variety, medium early, growing 3 to 5 feet high. Heads are closely condensed, though the spikes are very numerous. Sow 40 to 50 lbs. broadcast to the acre (bu. 50 lbs.). 7c per lb.

**Japanese Buckwheat**—In the locality of Baltimore this is sown anywhere from June 1st to July 15th: one bushel of 48 lbs. broadcasted to the acre. 15c per qt.; pk. 75c.

**Soja Bean** (Glycine hispida)—Mammoth Yellow, Brown and Black, Pekin, Sable and Wilson Blacks—All thrive well in our climate. Valuable for the South. Does not make good hay, but is good for ensilage or green fodder. Sow 1½ bu. per acre alone, or ½ bu. soja beans with 1 bu. cow peas. Yields as high as 20 tons of green food per acre. Market prices.

**Soja Beans in Combination**—WITH CORN for the silo, increase considerably the protein content of the silage. The two crops are planted on separate fields, and mixed at the rate of one load of Soy Beans to three of Corn. WITH SORGHUM for either soiling, hay or ensilage, may be sown in the proportions of 12 pounds of Sorghum to 3 pecks of Soy Beans to the acre. WITH COW PEAS will usually make a larger yield of hay or forage than either sown alone, and at the same time will bring up the fertility of the land more than any other mixture grown in the summer, as these are the leading soil-improving crops. SOJA BEANS PLANTED ALONE are profitable, whether the crop is for hay, forage or the beans, and while improving the soil, will also stand protracted dry weather better than most other crops, the long tap root going far down into the soil for needed moisture.



Soja Beans





# SEED INOCULATION

## THE BEST INOCULATION CULTURES FOR ACCUMULATING NITROGEN

Means Better Crops, Better Soils, Less Fertilizer Expense

Seeds of all legumes—clovers, alfalfa, sweet clovers, soy beans, vetches, etc.—will yield far better returns if inoculated before planting, and in addition leave in the soil heavy deposits of valuable nitrogen which benefits all succeeding crops. It is crop insurance at very low cost, and the results will repay the small effort involved beyond your expectations.

These scientifically bred cultures are far superior to the natural germs in the soil and therefore inoculation is preferable to uncertain and laborious soil transfer.

Jelly Medium



Acre Basis

Scientifically selected bacteria on nitrogen-free jelly medium in bottles with exclusive patented ventilating stopper insuring purity.

Prices: Postpaid, 1-Acre Size, \$1.00; 3-Acre Size, \$2.50; 12-Acre Size, \$9.00; Garden Size will inoculate 15 lbs. peas, beans or sweet peas, 50c.

Humus Medium



Bushel Basis

Scientifically selected bacteria on finely pulverized, porous humus medium in ventilated cans with friction top. If planting more than one bushel per acre, the one-bushel size contains sufficient inoculation for any amount of seed to be planted on one acre.

Prices: Postpaid, 1/4-bu. size 35c; 1/2-bu. size 60c; 1-bu. size \$1.00; 2 1/2-bu. size \$2.25. Garden Size for peas, beans and sweet peas, 25c.

Be Sure to Specify Quantity and Variety of Legumes You Wish to Inoculate.

### RAX IS NOT A POISON



Harmless to human beings, animal pets, poultry and birds, but a virus deadly to rats and mice. May be used anywhere with absolute safety.

It gets them all and is therefore the cheapest rat exterminator on the market at any price.

#### How to Use Rax

Simply add water to the bottle and shake well. Moisten (don't soak) bait—stale bread, crackers, cheese—with the mixture and place easily available to holes and runways where rats and mice will readily eat it.

Directions are furnished with each package. One bottle is enough for an ordinary house; allow one bottle to each 500 feet of floor space in barns, warehouses, etc.

Price: 75c per bottle, postpaid.

#### Alfalfa

**NITRAGIN INOCULATION**—We carry this for Alfalfa and Clover only. Sent postpaid.

1/2-bu. size inoculates 30 lbs. seed... \$ .60  
1-bu. size inoculates 60 lbs. seed... 1.00  
5-bu. size inoculates 5 bu. seed.... 4.75



## STIM-U-PLANT

PLANT STIMULANT TABLET

THE MAGIC FERTILIZER IN TABLET FORM

### Glorious Gardens Perfect House Plants

STIM-U-PLANT is the only complete plant food in tablet form. Guaranteed analysis 11 per cent Nitrogen, 12 per cent Phosphoric Acid, 15 per cent Potash—all of which elements are water-soluble and immediately available to the feeding root-hairs of the plant.

#### Easy to Use

Simply insert tablets in soil about 3 inches from stem of plant, or dissolve in water at the rate of four tablets to the gallon and apply as liquid manure. Complete directions with every package.

Order **STIM-U-PLANT** tablets with your seed and plant order. Price: 10 tablets 15c; 30 tablets 25c; 100 tablets 75c; 1,000 tablets \$3.50, postpaid.



Inoculate Your  
Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches  
and  
Other Legume Crops  
WITH  
**Mulford Cultures**  
FOR LEGUMES

Small Cost    Large Returns    Easy to Use    No Labor Expense



**MULFORD CULTURES** improve the soil and, when properly used under favorable conditions, induce a prompt "catch" and often more than double your yield. They are easily used by anyone, without previous experience. No special knowledge or implements are required. Supplied in:

5-Acre Size.....\$5.00 ("A Dollar per Acre")  
1-Acre Size.....\$1.50  
1/4-Acre Size......75  
Small Size (Supplied only in 4 varieties, for Garden Peas, Garden Beans, Lima Beans and Sweet Peas)..... .35

**ALWAYS SPECIFY ON YOUR ORDER WHAT CROP YOU WANT TO INOCULATE, AS THERE IS A DIFFERENT STRAIN OF BACTERIA FOR EACH LEGUME.**



**M. & S. SELECTED FORAGE AND FARM SEEDS (Continued)**

**Peas** (Canadian Field) — Valuable for cattle feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the spring and harrowed in. If sown with oats, about 1½ bushels to the acre; in drills, two bushels to the acre (bu. 60 lbs.). **Market prices.**

**Rape — Dwarf Essex English** (Brassica napus) — Is excellent for sheep and hog pasture, and chicken yards, also for soiling. It may be sown in May, and will be ready for pasturing in July and August. Or it may be sown in June or July, and yet furnish a large amount of pasture or fodder. In drills, sow five lbs. to the acre; sown broadcast, ten pounds to the acre. **Lb. 15c.**



Cow Peas

**Sorghum, or Sugar Cane**

Ideal cattle food. Sow 1 or 2 bu. broadcast; 25 lbs. to the acre in drills. (Bu. 50 lbs.)

**Early Amber**—Grows 10 to 13 feet high. Fine for cows, either green or cured. **Lb. 10c.**

**Early Orange**—Ripens about 10 days after Early Amber, and is said to produce a larger crop. **Lb. 10c.**

**Sunflower—Large Russian**—**Lb. 15c.**

**Sand, Winter, or Hairy Vetch** (Vicia villosa)—Thrives on poor, arid, sandy soils. It may be sown either in Fall or in Spring, mixed with rye, for a support. Grows three to four feet high and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow 50 pounds to the acre. Price variable. **Lb. 25c.**

**Spring Vetch**—Same as above, but not hardy; sow in Spring only. **Lb. 15c.**

**Winter Barley**

48 lbs. per bu. 96 to 110 lbs. per acre.

One of the most productive Fall seeded grain crops grown. Being planted more extensively each year. Provides an abundance of highly nutritious forage, hogs, sheep, cattle, etc., being especially fond of it. Grown in this section largely for grain. Yields 25 to 50 bushels per acre. Invariably brings good market price. Sow 1 to 1½ bushels per acre broadcast.

**Prices on Application.**

**Oats**

Appler, Virginia Gray and other best varieties for Fall and Spring sowing. 32 lbs. per bu. Sow 64 to 90 lbs. per acre.

**Prices on Application.**



Rye

**Seed Rye**

The most popular Fall seeded forage and fertilizing crop grown. Furnishes excellent green food for poultry, hogs and live stock of all kinds. Keeps stock healthy and saves expensive commercial dry feeds. Hogs on rye pasture will make the same gains with half the amount of grain feed. Sow 1 to 1½ bu. per acre broadcast.

Rosen and other varieties. Sow 1½ bu. to the acre from July to November. 56 lbs. per bu. Sow 85 to 100 lbs. per acre. **Prices on Application.**

**Seed Wheat**

Bearded and Beardless varieties. 60 lbs. per bu. Sow 90 to 100 lbs. per acre.

**Prices on Application.**

**Field Corn**

8 quarts to the acre.

**Prices Subject to Change**

**Without Notice.**

**Collier's Success**—The ears are of immense size, 12 to 14 inches long, 8 to 10 inches in circumference, carrying 20 to 24 uniform rows of large yellow kernels, well developed over tip and butt. It is a luxuriant grower, about 12 to 15 feet high. Matures in 100 days. Makes a splendid ensilage corn, making two ears on many stalks. **Qt. 25c; ¼ pk. 40c; peck \$1.25; bu. \$4.00.**

**Yellow Leaming**—We have a very choice strain of this early, drought-resisting variety. It makes a fair-size ear, with deep, well-shaped grains, and will mature in 90 days. **Qt. 25c; ¼ pk. 40c; peck \$1.25; bu. \$4.00.**

**Golden Beauty**—Large, broad-grained, yellow corn. Ears are well filled out. A heavy yielder. **Qt. 25c; ¼ pk. 40c; peck \$1.25; bu. \$4.00.**

**Maryland Yellow Dent**—Large ear; moderate size stalk; withstands drought well. **Qt. 25c; ¼ pk. 40c; peck \$1.25; bu. \$4.00.**

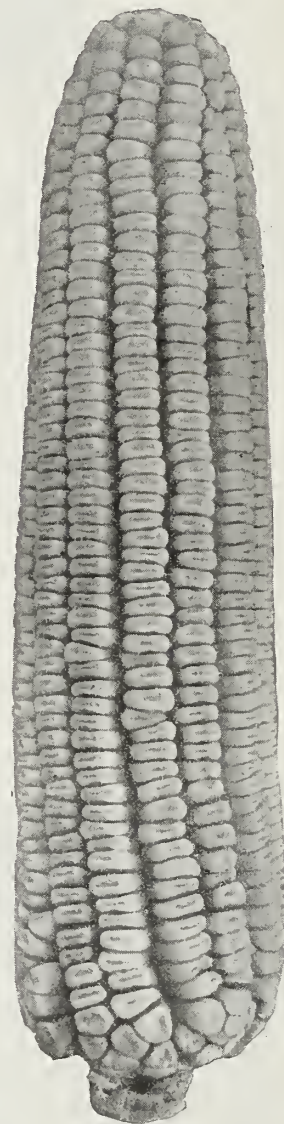
**Hickory King**—A very broad-grained white corn that does well on light ground. A good corn for the South. Very small cob. Generally two ears to the stalk and occasionally three. **Qt. 25c; ¼ pk. 40c; peck \$1.25; bu. \$4.50.**

**Boone County White**—Recommended by the Agricultural Experimental Stations. A fine, large deep-grained variety, originated by one of the best corn breeders. **Qt. 25c; ¼ pk. 40c; peck \$1.25; bu. \$4.00.**

**Collier's Excelsior**—White corn, especially adapted for hominy corn on account of its flintiness. Great producer on poor soil. **Qt. 25c; ¼ pk. 40c; peck \$1.25; bu. \$4.00.**

**M. & S. White Ensilage Corn**—Very prolific, tall grower. **Qt. 25c; ¼ pk. 40c; peck \$1.25; bu. \$4.00.**

**Red Cob 90-Day Corn**—A valuable corn for the truck farmer, as it readily sells for sugar corn on account of its similarity, showing long blades on the ears; very delicious when young. **Qt. 25c; 2 qts. 40c; pk. \$1.50; bus. \$5.00.**



Boone County White Corn

Mr. Herman Gunther, of Solley, A. A. Co., Md., states that from 2 bus. of Thomas Laxton Peas, which he purchased from us he picked 100 bus. of sweet as sugar peas and received \$2.75 per bu. for the crop.



# M. & S. FLOWER SEED DEPARTMENT

All Flower Seeds 10c pkt. unless otherwise noted.

August 1st we issue a Fall Catalogue on Spring Flowering Bulbs, etc. Write or send for it.

Our flower seeds have a reputation for their superior quality and for the excellent results obtained by sowing them. It is our constant endeavor to supply only such varieties and strains that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following explanation:

**Annuals.** These grow and bloom, mature their seed, then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., some of which may be sown in the house from March to May, or outdoors after danger from frost is over.

**Biennials.** These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

**Perennials.** Those which live from year to year, such as Aquilegia, Delphinium, Foxglove, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

All Flower Seeds are 10c package unless otherwise noted. All annuals are marked (a); Biennials (b); Perennials (p).

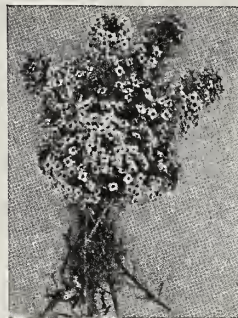
1. *Achillea* (Italiana Drumore) (p), 3 to 5 feet high. Blooms May and June, rich gentian blue.

1a. *Aconitum* (p) (Monks Hood).  
1b. *Alyssum Yellow* (p). Basket of Gold  
1c. *Asparagus Plumosis* (a). 25 seeds 25c; 100, 75c.

2. *Ageratum* (a) (Floss Flower)—An excellent plant for edging or solid effects. A continuous bloomer. Imperial Dwarf Blue, Imperial Dwarf White or mixed. Oz. 75c.

3. *Alyssum* (a) (Carpet of Snow)—One of the most popular garden flowers; in bloom all season. Used for edging or in rockeries or vases. Oz. 75c.

4. *Amaranthus* (a)—Decorative Foliage plants. *Caudatus* (Love Lies Bleeding) drooping crimson racemes. *Tri-color Splendens* (Joseph's Coat), leaves red, yellow and green.



Alyssum

5. *Antirrhinum* (p) (Snapdragon) — A splendid plant for beds or borders and one of our choicest cut flowers. To have flowers early, sow indoors during February and March. *Empress*, crimson; *Fawn*, pink suffused yellow; *Golden Queen*, yellow; *Purity*, white; *Silver Pink*, pink self and all colors mixed—oz. \$1.00.

### M. & S. SUPERB ASTERS

To our minds there is no other flower which combines so much beauty with grace and usefulness. In bloom from July till frost. To have early flowers sow indoors from March till May, otherwise sow outdoors. Asters require well-pulverized soil.

All Flower Seeds, 10c pkt., unless otherwise noted.

6. **M. & S. AMERICAN BEAUTY ASTER**—The Queen of All Asters. Very new, far superior to Paeony and Branching varieties. In 7 colors: Azure Fairy, light blue; Carmine, Rose, Purple, Lavender; September Beauty, delicate flesh pink; White Beauty, giant white, and all colors mixed. Oz. \$2.50.

7. **Aster Paeonie Flowering**—White, rose, scarlet, light blue, dark blue and choice mixed. Oz. \$2.00.

8. **Aster Ostrich Plumed**—Very beautiful: White, rose, crimson, light blue, dark blue and choice mixed. Oz. \$2.00.

9. **Asters, Semple's Branching**—In 6 distinct colors: White, pink, crimson, lavender, dark blue, sulphur yellow and all colors mixed. Oz. \$1.75.

10. **Aster, Queen of the Market**—Very early: White, pink, lavender, scarlet, dark blue and choice mixed. Oz. \$1.50.



American Beauty Aster

11. **Perennial Aster** (Michaelmas Daisy).

12. **Balloon Vine** (a) (Love in a Puff)—A rapid growing annual climber. Seed pods look like miniature balloons.

13. **Balsam** (a) (Lady's Slipper)—An old-fashioned flower. With plenty of room they will develop to immense plants with gorgeous flowers.

14. **Balsam Apple** (a) (Momordica)—Handsome climbing annual, bearing ornamental orange colored fruit.

14a. **Begonia** (a)—Invaluable for bedding and pot culture; about one foot high, beautiful foliage pink, white and crimson mixed.

Gentlemen:

Permit me to express appreciation for the wonderful results obtained in the planting of asters and snapdragons from your seeds

I was very late in planting, but the wonderful shades of the snapdragons especially have brought forth unstinted praise from friends and neighbors.

Gratefully yours,  
BERNARD W. CLEMENTS,  
3007 Tyndale Avenue.

4106 Fernhill Ave., Baltimore, Md., October 1, 1924.

Gentlemen,—The Aster seed which I purchased from you this Spring produced the most gorgeous blooms I have ever seen.

Your's truly,  
J. H. JACOBS.

For the convenience of our customers and our own, Flower See may be ordered by number.



Antirrhinum or Snapdragon



15. **Calendula** (a) (Pot Marigold)—Free flowering, in bloom from early summer till frost. They may also be successfully grown indoors. Lemon, Queen, Meteor, Orange King and mixed. **Oz. 40c.**

**California Poppy**—(See *Eschscholtzia*)

16. **Calliopsis** (a)—A very showy annual in bloom from early summer till frost. Lemon, yellow with dark brown centers, rich crimson and mixed. **Oz. 40c.**

17. **Campanula Media** (p) (Canterbury Bell)—These are strictly biennials and require the following cultural directions: Sow from June 1st till September 1st; when strong enough transplant to a distance of six inches apart, after frost has set in protect with leaves and straw. They flower the following June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them. Single blue, pink, white or mixed. **Oz. 75c.**

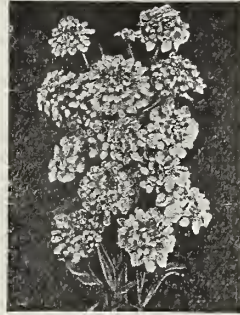
18. **Canary Bird Vine** (a)—One of the most charming annual climbers, bearing hundreds of pretty, fringed bright yellow flowers, which resemble a canary bird with expanded wings. **Oz. 35c.**

18a. **Candytuft** (a)—Dwarf, profuse flowers, of easy culture; useful for bedding and borders. Pink, rose, white and choice mixed. **Oz. 40c.**

**Perennial Candytuft**—See *Iberis*.

19. **Canna** (a)—(Indian Shot)—Although these are generally planted from roots, they may be grown from seeds. **Oz. 30c. pkt. 5c.**

**Canterbury Bell**—See *Campanula*.



Candytuft

19a. **Carnation** (a) *Marguerite*. These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected the first winter they will revive the following spring and bloom during that whole season. **Oz. \$1.00.**

19b. **Cardinal Climber** (a) (*Ipomoea Quamoclit Hybrida*)—One of the finest annual climbers known today. Very graceful and beautiful, growing rapidly, and in a warm, sunny location with good soil, it reaches often a height of 20 feet; it is densely clothed with palm-like, rich green leaves, bespangled with clusters of fiery scarlet, tubular spear-shaped flowers, measuring about 1½ inches across.

20. **Centaurea** (a) (*Centaurea Cyanus*, Cornflower) — Also known as Blue Bottle, Ragged Robin, Bachelor's Button. An old favorite garden annual. **Oz. 40c.**



**Centaurea Cyanus**  
Cornflower, or Bachelor's Button

Double blue, purple, pink, white

21. **Centaurea Imperialis**, or **Sweet Sultan**—Gigantic, beautiful, sweet-scented flowers, borne on long stems. **Mixed. Oz. \$1.00.**

22. **Centaurea, White Leaved** (*Dusty Miller*)—Grown for their silver foliage; fine for edging and hanging baskets. **¼ oz. 30c.**

22a. **Cerastium** (a) (*Snow in Summer*)—Dwarf, white-leaved edging plant; flowers white. **Oz. 40c.**

22b. **Chrysanthemum**—Annual and perennial varieties.

23. **Cineraria**—One of the most ornamental and useful plants for conservatory and house decorations. **Mixture, 60c and \$1.00.**

23a. **Clarkia** (a)—One of the prettiest and showiest hardy annuals. The plants bloom so freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight. They are useful, too, for hanging baskets, for vases and as edging plants. Sow outdoors in early Spring and grow in partial shade. They bloom through midsummer to late autumn. Average height, 1½ feet.



Cardinal Climber

**Castor Bean**—See *Ricinus*.

24. **Celosia Cristata** (a) (*Crested Cockscomb*)—Very desirable annuals of easy culture; large comb-like heads, excellent border plants, very good for pots. **Mixed. Oz. \$1.00.**

24a. **Celosia Plumosa** (a) (*Feathered Cockscomb*)—Very decorative plant for the garden. The feathery plumes are excellent for cutting. Can also be cut and dried for winter use. **Mixed colors. Oz. 60c.**

25. **Cobea Scandens** (a) (*Cup and Saucer Vine*)—Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edge-wise, and merely cover with light soil.

25a. **Coreopsis** (*Lanceolata Grandiflora*)—A hardy perennial bearing a profuse and long-continued succession of large, bold, golden yellow flowers during the whole summer months. Seed sown in March will flower the same season. Height, 2½ feet.

25b. **Coleus** (a)—**Large Leaved Hybrids**—Popular bedding plant with beautifully colored foliage; easily grown from seed if kept in warm temperature.

**Convolvulus**—See *Japanese Morning Glory*.

26. **Columbine**, or **Aquilegia** (p)—A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in Spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the Fall for flowering the following season. They thrive well under ordinary garden culture. Few hardy perennials are so easily grown from seed, and will give such unalloyed satisfaction. Single or double mixed, white, yellow, blue, rose. **Oz. 75c.**

27. **Corn, Rainbow**—Stalks grow 5 feet tall, leaves very ornamental. Excellent for decorating.

28. **Cosmos** (a) (*Lady Lennox*)—Giant flowering. An autumn flowering plant. A charming, profuse bloomer. Crimson, pink, white and all colors mixed. **Oz. 50c.**

28a. **Cosmos Klondyke**—Same as above, but a clear orange yellow. **Pkt. 10c; oz. \$1.00.**

29. **Early Summer-flowering Cosmos**—Coming into flower in July, continuing until frost. Can be grown in the North where the seasons are too short for other strains. Dwarf, compact growth; 4 feet. Flowers beautiful and large; petals broad; crimson, pink, white and all colors mixed; profuse bloomer. **Oz. 50c.**

29a. **Double-crested Cosmos** (a)—Extra early flowering. This is an entirely new class of cosmos, producing double-crested flowers of exceptional beauty. The grower does not claim that all plants have double flowers, but the fields show about 50 per cent; but the ones that do not show double are dreams of beauty. Pink, white and crimson. Seed scarce.

30. **Cypress Vine** (*Ipomoea Quamoclit*)—A very graceful annual climber, with feathery foliage and beautiful, star-like flowers. Scarlet, white, mixed. **Oz. 50c.**

**Dahlias (from seed)**—There is no more fascinating flower to raise from seed than the dahlia, for the result is a series of surprises. Seed should be started in the house from February till May and the young plants should not be set outdoors until danger from frost is past. Cactus single and double flowering varieties.

31. **Dahlia**—Single mixed.

32. **Dahlia**—Double mixed.

32a. **Dahlia**—Cactus mixed.

33. **Daisy** (p), **English Double** (*Bellis Perennis*)—Seed should be sown from June 1st till September, transplanted in the Fall, and they will flower the following Spring. If sown in the Spring they will flower in the Autumn; 4 inches; white, pink and mixed.

33a. **Shasta Daisy**—Very large; white single flowers on long stems.

34. **Dianthus** (p), **China Pink**—One of the most popular flowers in cultivation; blooms profusely. Great variety of colors. Extra choice. Single mixed, double mixed, pure white, pink and crimson. **Oz. 60c.**



Columbine



Dianthus

**WIZARD**  
TRADE BRAND MARK  
PULVERIZED  
**Sheep Manure**

The best for garden work. Comes in convenient packages. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.00.





Delphinium, or Larkspur (Hardy)

**35. Delphinium** (Hardy Perennial Larkspur) — Highly prepossessing plants of stately appearance; of easiest culture, they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flowerspike is cut back promptly it will branch and flower all through Fall. **Formosum:** Blue white, centre. **Chinese Album:** White. **Chinese Blue Butterfly.** **Belladonna:** Turquoise Blue. **Kelway's Giant:** Mixed. **Oz. \$1.00.**  
**36. Dimorphotheca** (a) (Golden Orange Daisy)—One of the showiest garden plants of recent introduction; fairly compact, bushy plants are literally covered with brilliant orange-gold, daisy-like blooms, on fairly long stems during the entire

season; excellent for cutting.

**37. Didiscus—Lace Flower**—This pretty and interesting annual blooms most profusely from July till November; their exquisite pale lavender blossoms are excellent for cutting; plants grow about 18 inches high, and have as many as 50 flowers open at one time.

**37a. Digitalis** (p) (Foxglove)—Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet. **Oz. \$1.00.**

**38. Dolichos** (a) (Hyacinth Bean, or Texas Climber)—Showy climber, making rapid growth. White, purple and mixed. **Oz. 20c.**

**39. Eschscholtzia** (a) (California Poppy)—An elegant hardy annual with fine cut foliage and large poppy-like flowers; blooms from June till frost; fine for borders or large beds. Yellow and choice mixed. **Oz. 40c.**

**40. Euphorbia** (a)—Plants with ornamental foliage, very showy and easily raised from seed. Known as "Snow on the Mountain." **Oz. 60c.**

**40a. Echinops** (p) **Globe Thistle**—Excellent background for perennial border; blue; 6 feet.

**Forget-Me-Not**—See Myosotis.

**Four o'Clock**—See Marvel of Peru.

**Foxglove**—See Digitalis.

**41. Gaillardia** (a) (Blanket Flower)—One of the best garden flowers, excellent for cutting. The large highly-colored, daisy-like flowers appear continually during the season. **Oz. 90c.**

**42. Godetia** (a) (Satin Flower)—Beautiful and easily grown, producing a profusion of flowers, satiny texture.

**43 and 44. Gourds** (a)—Dish-cloth or Luffa—Nest Egg, Hercules Club, Pear Shape, Mock Orange, Sugar Trough, Calabash, or Pipe Gourd, Thermos Bottle, Chinese Lantern, and a general mixture; rapid climbers. **Each, Oz. 40c.** State kind wanted.



Gaillardia

**45. Gypsophila** (a) (Baby's Breath)—Pretty, free-flowering plants of easy culture; excellent for cutting to mix with other flowers. White and carmine. 2 feet. **Oz. 50c.**

**45a. Gypsophila** (p)—Paniculata alba. White. **Oz. 75c.** **Helianthus**—See Sunflower.

**46. Heliotrope** (a)—A well known and highly prized plant on account of the delightful fragrance of the flower. Excellent for pots or beds. **Pkt. 10c and 25c.**

**47. Helichrysum** (a) (Strawflower)—One of the best and most popular of the everlasting flowers. Valuable for cutting or decoration, either when fresh or dried. Mixed colors. **Oz. 50c.**

**48. Humulus** (a) (Japanese Hop)—A rapid growing annual climber with luxuriant foliage; excellent for covering trellises and verandas. **Oz. 50c.**

**48a. Hibiscus** (p) (Mallow) — These bear very showy flowers, are easily grown and should find a place in every garden. Mixed colors, white, pink and red; and Golden yellow, Sunset; height, 4 ft.

**Hollyhock** (p) — One of the most popular and desirable of hardy perennials. Excellent for planting among shrubbery or fringing a background for other flowers; 6 to 7 feet.

**49. Chater's Improved Double Hollyhock** in separate colors: Rose white, salmon, maroon, yellow, Newport pink, crimson and mixed colors; also single choice colors mixed. **Oz. \$1.25.**

**49a. Hollyhock Single**

**49b. Heliopsis** (p)

(Orange Sunflower)—A handsome hardy perennial; producing an abundance of deep orange yellow flowers the entire Summer; excellent for cutting; 3 to 4 feet.



Helichrysum or Strawflower

**49c. Hunnemania** (a) (Giant Yellow Tulip Poppy) — Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of August, continuing for the balance of the season; the foliage resembles Eschscholtzia; height, 2 feet.

**Hyacinth Bean**—See Dolichos.

**Ipomoea**—See Moonflower.

**49d. Ice Plant** (a)—Beautiful dwarf edging plants; flowers profusely in dry and sunny situations. Fine for pots. Covered with watery vesicles resembling pieces of ice.

**49e. Iberis** (p) (Candytuft)—White; 2 feet. **Pkt. 10c; 1/4 oz. 80c.**

**50. Job's Tears** (a)—Seeds are used for stringing instead of beads. **Oz. 50c.**



Kochia or

Summer Cypress

annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of Autumn the foliage turns to a deep red color; 2 to 3 feet. **Oz. 40c.**

**Lace Flower**—See Didiscus.

**52. Kudzu Vine** (p) (Puevaria Thunbergiana)—The Kudzu vine comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth and its handsome purple flowers. The vine is extremely rapid and dense in growth, perfectly hardy, increasing in size and beauty year after year; fine for arbors, verandas, etc. **Pkt. 10c.**

**52a. Lantana** (a)—Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March. Flowers resemble Verbenas; plants bloom all Summer. Mixed. **Oz. 50c.**

**Larkspur**—See page 33.

**53. Lathyrus Latifolius Perennial Sweet Pea**—Showy hardy climber, fine for covering walls and stumps. Free flowering. Pink, red and white pearl. Mixed colors. **Oz. 60c.**

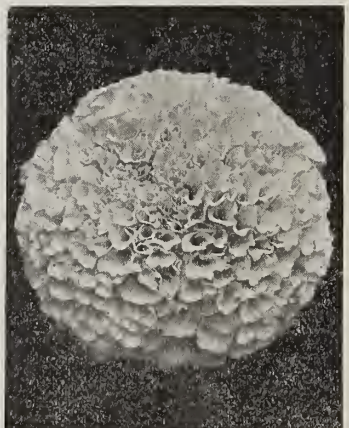
**54. Lupinus** (a)—Very desirable garden plants, showy, excellent for cutting. Graceful spikes 2 feet long in various shades of white, blue, pink and yellow mixed. **Oz. 60c.**

**55. Lupinus** (p)—Mixed colors. **Pkt. 10c.**

**Marigold** (a) — These are old favorite free flowering annuals with rich showy flowers blooming all summer. The tall African varieties are best for garden and cutting, while the dwarf French varieties are best suited for edging and bedding purposes. In colors and mixed.

**56. Marigold, French**—Legion of Honor, single brown and yellow; Golden Ball, double golden yellow, dark and all colors mixed. **Pkt. 10c; oz. 60c.**

**57. Marigold, African**—Lemon Queen, Orange Prince and mixed colors. **Pkt. 10c; oz. 75c.**



Marigold





Marvel of Peru

58. **Larkspur** (annual)—Splendid annuals of easy culture. When sown early in spring will produce blooming plants in July. Graceful, fern-like foliage and slender spikes. Fine for cutting and garden decorations. **Oz. 75c.**

**Larkspur** (perennial)—See Delphinium.

**Lily of the Valley**—We furnish strong clumps for 25c.

58a. **Lobelia** (a)—No garden is complete without an edging of blue lobelias. Very desirable for pots and hanging baskets.

59. **Marvel of Peru** (a) (Four o'Clock)—Bushy plants of easy culture, producing hundreds of flowers during the entire Summer; very showy; 2 feet. **Oz. 30c.**

**Mignonette** (a)—Valuable for cutting on account of its fragrance. Sow in succession during the whole Summer; may also be forced in greenhouses during Winter.

60. **Golden Machett**—Oz. 50c.

60a. **M.-S. Extra Fine Mixed**—Oz. 50c.

60b. **Mimulus** (a) (Tigrinus)—Showy, profuse flowering plants; fine for greenhouses or moist, shady situations; 1 ft.

**Momordica**—See Balsam Apple.

61. **Moon Flower** (a) (Ipomoea Noctiflora). Climber. At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers. **Oz. 75c.**

61a. **Moschatus** (Musk Plant)—Fine for hanging baskets; yellow flowers, fragrant foliage; 6 inches. Mammoth flowering.

62. **Mixed Imperial Japanese Morning Glories**—These are beyond question the handsomest of all Morning Glories. Of the easiest culture, can be sown in the open ground in a sunny situation when the weather has become warm and settled; they soon cover a large area, and even before flowering are decidedly interesting on account of the varied forms of the foliage and their markings. The flowers are of gigantic size and their colorings beyond description; the self or solid colors range from snow-white to black-purple, with all the possible intermediate shades; there is also an endless number having flowers spotted, marbled, striped, flaked, splashed, etc. **Oz. 25c.**



Mignonette

63. **Double-Flowering Morning Glories**—These beautiful climbing annuals are of very rapid and luxuriant growth; the flowers will come double, semi-double and a few, perhaps, single. The colors vary; there are various shades of blue, white spotted with red, white marbled with purple and lavender, crimson, pure white, etc. Mixed colors. **Oz. \$1.00.**

64. **Fancy Fringed Morning Glories**—The perfection of Morning Glories. Immense flowers, often as big as saucers, all wavy, ruffled and fluted from throat to margin, like crumpled velvet. They are simply magnificent. Mixed colors. **Oz. 50c.**

**Mourning Bride**—See Scabiosa.

65. **Myosotis** (a) (Forget-Me-Not)—Beautiful, half hardy perennials, blooming the first year.

**Nasturtium**—See below.

65a. **Nicotiana** (a)—Splendid pure white, Vouvardia-like flowers on long terminal tubes. It is so fragrant that a small bed will perfume the surrounding atmosphere.

66. **Oenothera** (a) (Evening Primrose)—Beautiful low-growing plant, producing large, silvery white rose and yellow flowers. They thrive best in a sunny position, but succeed in almost any situation or soil. Annual varieties, all colors; mixed.

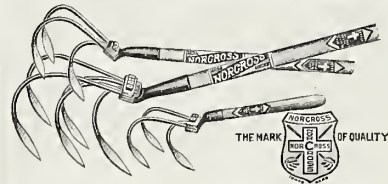
66a. **Passion Flower** (p) (Southern Beauty)—Climber mixed. Called "Passion Flower" on account of a resemblance in the flower to the appearance presented at Calvary.

Use our High-Grade Sheep and Cattle Manure extensively in your flower garden and be repaid by best results. We can sell you a cart load in a 100 lb. bag. (See cover page for price.)



Morning Glory

**NORCROSS CULTIVATORS AND WEEDERS**



in. handle, 45c. Weight, 3 pounds, 2 pounds, 12 ounces.

Most modern tools for garden and flowers; light and strong; cultivate closer to plants without injuring them, than other implements, leaving soil level, loose, untrampled.

Three sizes and prices: 5-pronged, 4 ft. handle, \$1.15; 3-pronged, 4 ft. handle, 85c; "Midget," 9

**M. & S. GIANT FLOWERING NASTURTIUMS**

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size as well as in colors and markings. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

**M. & S. Dwarf-Named Nasturtiums**

67. **Vesuvius** (Salmon Rose)—These have a neat, compact habit and attractive foliage, are not disturbed by insects, bloom in two months from sowing, and most profusely the whole season.

68. **Chameleon**—Produces various colors and markings on the same plant.

69. **Empress of India**—Dark-leaved velvety dark scarlet flowers; select flowers.

70. **Spotted King, or Ladybird**—Rich yellow, scarlet-spotted flowers, dark-leaved; splendid.

71. **Queen of Tom Thumbs**—Variegated foliage; choicest mixture.

72. **Golden Queen**—Yellow-leaved, with golden yellow flowers.

Prices on all the varieties as follows: **Pkt. 10c; oz. 20c; ¼ lb. 60c.**

Our Nasturtiums are noted for their size, variety and brilliancy.

**M. & S. Fancy Giant Flowering Mixed Dwarf**—Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**M. & S. Tall or Climbing Nasturtiums**—For covering trellisses, fences, arbors, piazzas, or trailing from vases, urns, etc. Bloom from early Summer until frost. **Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.**



M. & S. Tall or Climbing Nasturtiums



M. & S. Giant Flowering Dwarf Nasturtiums

DO NOT HESITATE TO CALL ON US OR PHONE US FOR ANY INFORMATION PERTAINING TO RAISING OF VEGETABLES, OR FLOWER, GRASS AND FIELD SEEDS.



# M. & S. PERFECT PANSIES



M. & S. Triumph of the Giant Pansy

shades. Pkt. 25c; 5 pkts. \$1.00; oz. \$6.00.

73a. Masterpiece (Filled Pansy)—Flowers beautifully curled or waved. Exquisite colors. Pkt. 25c; 5 pkts. \$1.00.

74. Steele's Special Greenhouse Mixture—Equally good for outdoor. Pkt. 25c; 5 pkts. \$1.00; oz. \$6.00.

74a. Tufted Pansies or Violas—While the flowers of the Tufted Pansies are not so large as the regular type, yet they bloom so freely that they are superior to pansies where effect is wanted, the colors being particularly clear and distinct; they also bloom for a longer time. Seed sown in April produces flowering plants by June, and from then on until frost they are a sheet of bloom. All colors Mixed and Blue. Oz. \$2.50.

## PANSIES

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which Pansies can be planted. If started in the house from February till April Pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the Fall; sown in frames during July and August and transplanting later gives us the main crop of flowers the following Spring. Pansies thrive best in moist, semi-shady situations.

73. Triumph of the Giant Pansy—Immense flowers of great brilliancy and richness of coloring, including many new and rare



M. & S. Giant Exhibition Pansies

74b. M. & S. GIANT EXHIBITION PANSIES—A blending of our own, containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Per oz. \$3.00.

M. & S. GIANT PANSIES—In separate colors.

75—Mention variety wanted when ordering.

Lord Beaconfield—Purple, violet and white.

Snow Queen—Pure white.

Emperor William—Indigo blue black, blotched.

Canary Bird—Pure yellow.

King of the Blacks—Lustrous jet black.

Lord Baltimore—Yellow maroon blotches.

May Queen—White with violet blotches.

All the above: \$2.50 per oz.

Gentlemen—The tulips and hyacinths which I purchased from you are a wonder and the best I have received in my life.

MRS. P. H. ROSENDROLE, 4725 Harford Ave., City.

# Poppies

ALL FLOWER SEEDS 10 CTS. PER PKG. UNLESS OTHERWISE NOTED

A great advance has been made in recent years in the development of the Poppy which has brought it into deserved popularity, and it may be safely said that no other flower produces a more brilliant display of color during the blooming period. Annual Poppies should be sown as early in the Spring as possible where they are to remain, as they do not stand transplanting. If instant blossoms are desired, successive sowings should be made every two weeks.



Orientele Poppies

76. Orientele Poppies (p)—Enormous flowers of deep, flashing scarlet, entirely hardy anywhere, and mixed; 3 feet.

76a. "Mikado" (a)—Double the Striped Japanese Poppy—This beautiful Poppy is very distinct in character and color. The flowers are brilliant scarlet and white, with elegantly curved petals, like a Japanese Chrysanthemum.

77. American Flag (a)—Beautiful variety; flowers very large and double, snow white, bordered with scarlet.

77a. Double Flowered Mixed Poppies (a)—Immense double flowers, resembling a Peony; two feet.

78. M. & S. Shirley Poppies (a)—A bed of these Poppies produces a gorgeous effect in the garden; large flowers with brilliant colors; mixed. Oz. 40c.

78. Iceland Poppy—These dwarf, bright yellow Poppies form one of the chief attractions of the garden through

several months. They are most beautiful when grown in masses from seed sown every year; 1 foot.

Yellow Tulip Poppy—See Hunnemannia.

79. Portulaca Single (Mexican Rose)—Brilliant hardy annual, of easy culture; excellent for massing in beds, or rock work; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors. Oz. 75c.

80. Portulaca Double—Pkt. 10c; oz. \$2.00.

80a. Primula (a). Hardy primroses are among the most prized of our Spring blooming plants, 1 to 1½ feet high. Mixed colors.

80b. Primula Obconica—Used for greenhouse; very finest mixture. Pkt. 30c and 60c.

80c. Primula Chinensis (Chinese Primrose)—Very finest mixture. Pkt. 30c and 60c.

80d. Pyrethrum (p)—Handsome hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting.

# Petunia



Petunia

81. M. & S. PETUNIA MAMMOTH (a)—The Petunia is without a peer among annuals for effective Summer bedding or indoor culture. It is of easy culture, early to blossom and continues throughout the Summer until the first killing frost. No other flower produces a greater diversity of color, retaining its freshness for so long a period.

82. Snowball—Pure white.

82a. Rosy Morn—Pink; all colors mixed.

Price on three above: Oz. \$1.50.

83. Howard's Star Petunia—A beautiful variety; produces a profusion of crimson-maroon flowers, each having a distinctive five-pointed white star. Single. Oz. \$3.50.

83a. M. & S. De Luxe Bedding Petunia—Embracing only large flowering, gorgeous colored varieties. Oz. \$2.50.

84. Phlox Drummondii (a)—Easily grown from seed; makes a brilliant display as a Summer bedding plant. White, pink, crimson-white striped, pink with white eye, purple white striped, yellow-white with pink eye, rose-white striped, or all colors mixed. When ordering, mention color wanted. Oz. \$1.50.

85. Phlox Hardy (p)—For a gorgeous show these are the most satisfactory of all perennial plants, 2 to 3 feet high, in all bright colors; seed sown late in Fall will germinate in the Spring; Mixed colors only. Oz. \$2.00.

All Flower Seeds 10c Pkt. Unless Otherwise Noted.

We count among our valued customers many of the leading Clubs, State, Protestant, Catholic and Hebrew Institutions, Schools, Hospitals, Sanatoriums, Florists, Farmers and Private Gardeners.



## Ricinus (a) (Castor Oil Bean)

Ricinus.



One of our best ornament - leaved annual plants, largely used for the center beds, being splendidly effective grouped with Cannas, Caladiums and other tall plants.

**86. Sanguines**—A new and distinct class, surpassing in size and beauty all varieties hitherto known. Plants attain great dimensions—12 to 14 feet. Leaves a beautiful blood-red. Oz. 25c.

**87. Communis Major**—Very large and most showy green foliage; standard variety; 10 to 15 ft. Oz. 25c.

**88. Gibson**—A variety with beautiful and gigantic deep bronze leaves; 10 feet. Oz. 25c.

**89. M. & S. Ricinus Mixture**—Appreciating fully the splendid effects that a fine array of these desirable foliage plants will make in your garden, we have composed a mixture that for elegant blending is unsurpassed. Oz. 20c.

**89a. Rudbeckia-Newmani (p)**—One of the finest of autumn-flowering perennials, bearing large flowers. Bright orange-yellow petals surrounding a large black cone.

## Salvia (a) (Scarlet Sage)

**90. Salvia Splendens**—This popular bedding plant is impossible to be replaced. There is nothing more effective in the Fall or mid-Summer than these bright scarlet flowers. Seeds should be started either in the house from February till April or in hot-beds. Best bedder, beautiful scarlet flowers of immense size. Oz. \$2.00.

**91. Salvia Bonfire**—Compact bushy plants; two feet high, producing innumerable erect spikes of the most brilliant scarlet flowers. Height, 2½ to 3 feet. ¼ oz. 75c.

**91a. Salvia Early Dwarf Zurich**—Grows only 12 to 15 inches high, with many fine, erect, slender spikes to each plant, borne well above its handsome foliage. Color brilliant scarlet. Earliest of all. ¼ oz. 75c.

**92. Salpiglossis (a) (Painted Tongue)**—Very beautiful, hardy, annual plants, flowering freely from July to early Autumn. Rich soil should be provided, with plenty of space for plants to develop.

**93. Scabiosa (a) (Sweet Scabiosa, Mourning Bride, Pin-Cushion Flower, Egyptian Rose, etc.)**—Beautiful colored flowers, 2½ feet high; fine for cut flowers.

**94. Scarlet Runner (a)**—Ornamental and useful climbing beans. Oz. 10c.

**95. Sensitive Plant (a) (Mimosa)**—A curious and interesting half-hardy annual, with pinkish flowers; leaves close when touched; 1½ feet high.

**95a. Smilax**—A well-known greenhouse climber, with small, dark-green foliage; of great value in floral work. Oz. 60c.

**95b. Statice (Sea Lavender) (p)**—The statices are becoming more and more popular as gardeners realize the possibilities of these, not only as beautiful garden flowers but also the keeping qualities, which make them a joy in a winter bouquet of everlasting flowers. We offer four colors: Blue, Rose, White and Yellow. Special to introduce them. 1 pkg. of each, 30c.

**Snapdragon**—See Antirrhinum.

**96. Stock (a)**—Half-hardy annual; fine for cutting, bedding or edging, also pot culture; average 1 to 1½ feet. Mixed colors, 5c. White, pink, yellow, crimson, light blue, dark blue, separate colors.

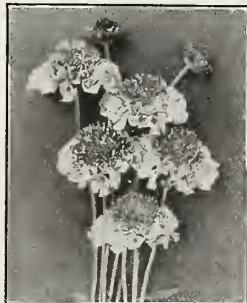
**96a. Stokesia (p) (Cornflower Aster)**—Blossoms all Summer. Large attractive flowers, resembling asters; fine for cut flowers; two feet high.

**Strawflower**—See Helichrysum

**97. Sweet William (p) (Dianthus Barbatus)**—This is one of the finest of our hardy garden plants; of easy culture; thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery. Single crimson, single red with white eye, single velvety maroon, single white and choicest double mixed, single mixed; all colors. Oz. 75c.

**98. Sweet Sultan (a) (Centaurea Moschatus)**—Hardy annual; flowers resemble "Bachelor's Buttons," fragrant flower on long stems.

**Sweet Peas**—See page 36.



Scabiosa

## Sunflower (a)

98a. (THE UNIQUE RED SUNFLOWER)



The Unique Red Sunflower

Of recent introduction. The plants reach a height of from 5 to 8 ft. and throw out many branches. Flowers are very numerous, of good form, usually having large long rays and small discs. Heads vary greatly in size—some are only 2 or 3 ins. across, while others are a foot or more. The color diversifies greatly, some plants produce flowers of rich chestnut red, others red flowers tipped with yellow, others washed with red. This variety in size and color makes a hedge or border interesting and attractive. Some few seeds will produce plants bearing yellow flowers; for, although the seeds came from carefully selected stock, they were grown in a region where

sunflowers abound and the wild, doubtless, have crossed some with pollen from the wild flowers. The plants likely to produce yellow flowers have no purple in stem or leaf and can be destroyed when seedlings. Oz. 50c.

**98b. Single Sunflower (p)**—Dwarf.

**98c. Double Sunflower (p)**—Dwarf.

**99. Double Sunflower (a)**—Dwarf chrysanthemum-flowering; very attractive. Oz. 40c.

**100. Sunflower (a) (Large Russian)**—Six to eight feet high; immense flowers. Oz. 10c.

**101. Thunbergia (a) (Black-Eyed Susan)**—Beautiful. Very ornamental climber.

**102. Verbena (a)**—Dwarf bedding plants for a gorgeous display during the Summer months cannot be excelled, commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades. M. & S. Fancy White, Scarlet, Dark Blue, Light Blue, Scarlet-White Eye, Pink-White Eye, Violet-White Eye and all colors mixed. When ordering state color wanted. Oz. \$1.50.

**103. Vinca (p) (Madagascar Periwinkle)**—Dwarf bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

**103a. Violet (p)**—Deservedly much in demand because of their profusion of bloom and delicate odor. Purple Queen and finest mixed.

**103b. Veronica-Longiflora (p)**—Blue flowers; two feet high, August to October.

**104. Wallflower (p)**—Favorite sweet-scented flowers of fine colors. Splendid for cutting and useful as Spring bedders.

**Cloth of Gold**—Yellow.

**Early Feltham**—Fine brown, dwarf.

**Vulcan**—Dark blood-red; all colors mixed. State color wanted. Oz. 40c.

**Creamy White**—Oz. 40c. State color wanted.

**Wallflower**—All colors mixed. Oz. 40c.

**105. Wild Flower Garden (a)**—Fine mixture of old favorites. Oz. 15c.

## 106. Chinese Woolflower (Celosia Childsi)

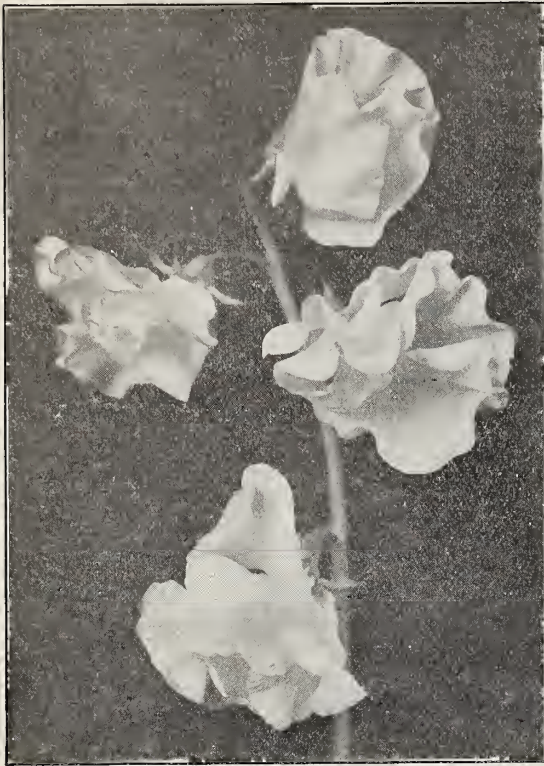
This is a unique form of the feathered Cockscomb, growing 2 to 3 feet high, by as much through, each branch terminated with a large head of flowers that look as if made out of some silky wool material, and which is nicely shown in our illustration. Not only effective in beds or borders, but highly interesting and valuable for cutting, as they can be dried, and retain their bright color for weeks. We offer three colors and mixed. Dark Pink, very rich color. Canary yellow, pure white and mixed.



Chinese Woolflower



## M. & S. SPENCER, or ORCHID SWEET PEAS



Spencer, or Orchid Flowering Sweet Peas

Hardy Sweet Peas—See No. 53.

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. They are distinguished from the Grandiflora sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem. The plants are of robust growth and bear the flowers on long stems.

107. **Constance Hinton**—Best White.  
108. **Blanche Ferry**—Pink and White.  
109. **Mrs. Rontzahn**—Apricot and Straw Color.  
110. **Wedgwood**—Blue.  
111. **Primrose Spencer**—Pink.  
112. **Hercules**—Pure Pink.  
113. **King Edward**—Pure Red.  
114. **Margaret Atlee**—Rosy Buff.  
115. **Blue Picotee**—White, Blue Edge.  
116. **Masterpiece**—Lavender.  
117. **Othello Spencer**—Deep Maroon.  
118. **Florence Nightingale**—Bluish-Lavender.

Price on all the above—Pkt. 10c; oz. 25c; ¼ lb. 90c; 1b. \$3.00.

**M. & S. SUPERB SPENCER MIXTURE**—A mixture that cannot be surpassed. Pkt. 10c; oz. 20c; ¼ lb. 60c; 1b. \$2.00.

### 1924 INTRODUCTIONS

119. **Crimson King**—Unquestionably the finest self-colored Crimson Sweet Pea ever introduced. The strong growing vines produce freely the very long stemmed sprays of four fine large blossoms. The color is a solid rich deep crimson.

120. **Youth**—An exceptionally large and fragrant Sweet Pea. The color is white edged in a beautiful manner with a delicate soft rose pink. The plant is robust in growth and bears four blossomed sprays in great profusion.

Prices on both varieties: Pkt. 25c; oz. 75c; ¼ lb. \$2.00.

## M. & S. Gilt Edge Sweet Pea Mixture

This superb mixture is blended by us with extraordinary care from named varieties of the most improved large flowering type, including recent American and European novelties, as well as a great many new hybrids, as yet unnamed, insuring gorgeous color effect. Oz. 15c; ¼ lb. 30c; ½ lb. 50c; 1b. 90c.

## M. & S. Winter Flowering Spencer Sweet Peas

For indoor forcing. This seed has been grown from originator's stock and can be depended upon for excellent results.

121. **Snow Flake**—Large and of the best waved Spencer form. The pure white flowers are borne in wonderful profusion on long stems.  
122. **Early Harmony**—Clear lavender throughout; of large size and well waved.  
123. **Early Red Cross**—Fine scarlet.  
124. **Columbia**—Pink standards, white wings.  
125. **Yarrawa**—A pleasing shade of bright rose pink with lighter wings.  
126. **Hercules**—Giant rose pink.  
127. **Early Meadow Lark**—Large early cream.

All the above, 10c per pkt.; ½ oz. 40c; 1 oz. 75c.

## M. & S. CHOICE ZINNIAS (YOUTH AND OLD AGE)

The Zinnia is one of the most brilliant, showy and satisfactory of annuals, and has long been a general favorite. The seed can be sown early in the hotbed or light window and transplanted, or sown later in the open ground. They come into flower early in the summer, and keep on blooming until hard frost. The varieties offered are the most important kinds.

**M. & S. SPECIAL STRAIN OF DWARF GIANT FLOWERING DOUBLE ZINNIAS**—A special strain of this grand old favorite free and continuous flowering annual, which produces flowers of colossal size, specimens measuring from 5 to 6 inches across being not unusual. Plants are of extremely robust habit, attaining a height of about 3 feet and bearing on long strong stems numerous semi-globular, mostly very double flowers, all of the largest size, making them of great value in large beds, borders, etc.; grown under favorable conditions they remain in bloom from early summer to late autumn.



M. & S. Giant Flowering Zinnia

We offer six of the most wanted colors, separately, as well as a splendid mixture of many colors, as under:

- Giant Flowering**  
128. **Golden Yellow**. Pkt. 10c; oz. 75c.  
129. **Bright Scarlet**. Pkt. 10c; oz. 75c.  
130. **White**. Pkt. 10c; oz. 75c.  
131. **Salmon Rose**. Pkt. 10c; oz. 75c.  
132. **Canary Yellow**. Pkt. 10c; oz. 75c.  
133. **Dark Scarlet**. Pkt. 10c; oz. 75c.

Collection of a packet each of the above 6 colors, 50c.

134. **Giant Flowering, Dwarf**. Mixed. All colors. Oz. 50c.

135. **Giant Flowering, Tall**—Mixed. All colors. Pkt. 10c; oz. 50c.

136. **M. & S. Victory Zinnia**—This is a new introduction of Zinnia, forming quille petals. Choice mixed including all beautiful and several new colors. Pkt. 10c; oz. \$1.00.

137. **Curled and Crested Zinnia**—The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia. Pkt. 10c; oz. 75c.

138. **M. & S. Giant Dahlia-Flowered**—The latest development in Zinnias, bearing flowers of mammoth size and in form like a perfect decorative Dahlia. As the result of painstaking care and selection the size, form and coloring has been much improved the past season. The mixture which we offer contains a wonderful range of beautiful colors; 3 feet. Pkt. 10c; oz. \$1.00.

139. **M. & S. Picotee Type Zinnia**—We offer for the first time this exquisite new Zinnia. The flowers, which are not quite as large as the double giants, are very effective in appearance, as the edges of the petals are all well marked with a distinct color to the body of the flower, making them very attractive as bedders and cut flowers. Pkt. 10c; oz. 75c.



Dahlia Flowering Zinnia



## M. & S. SUPERFINE GLADIOLUS

Our bulbs are  
1½-in. and up.

If by Parcel Post, add postage at Zone Rates (average weight, 10 lbs. per 100). Single bulbs and dozens we deliver free in U. S.

**Culture**—What a wonderful stride the Gladiolus has made during recent years. Its popularity today is exceeded by few other flowers, and it has by no means reached its limit. And there are good reasons for this popularity. Failure with it has never been known. Gladiolus will grow in any open position, where there is a fair amount of sun, and bloom well. They are not only showy in the garden, but, when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 3 to 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

**Anna Eberius**—A deep rich purple; very unusual and particularly attractive. 15c each; \$1.50 doz.; \$10.00 100.

**Alice Tiplady**—Large flower of beautiful orange saffron color. Early. 10c each; \$1.00 doz.; \$7.00 100.

**America**—Delicate lavender-pink; flower large size. Very popular. 5c each; 40c doz.; \$3.00 100.

**Baron Hulot, or Blue King**—Fine Indigo blue shade. Early. 10c each; \$1.00 doz.; \$7.00 100.

**Evelyn Kirtland**—Beautiful shade rosy-pink, darker at the edges, with brilliant scarlet blotches on lower petals. Tall spike, extra fine form and color. 10c each; \$1.00 doz.; \$7.00 100.

**Flora**—Fine golden yellow; very large flowers. 10c each; \$1.00 doz.; \$7.00 100.

**Le Marechal Foch**—Beautiful shade of light pink, flowers very large; one of the earliest. 7c each; 75c doz.; \$5.00 100.

**Louise**—Exquisite shade of clear lavender, growing brighter toward center. 12c each; \$1.25 doz.; \$8.00 100.

**L'Immaculee**—Pure white, long spikes with many flowers open at one time; very early. 7c each; 75c doz.; \$6.00 100.

**Mrs. Francis King**—Light scarlet, lower petals splashed deeper red. Tall spikes; very popular. 6c each; 60c doz.; \$4.00 100.

**Niagara**—Delightful cream shade. The throat is splashed with carmine, also the lower end of petals. Large flowers on good spike. 7c each; 75c doz.; \$5.00 100.

**Panama**—Beautiful pink. Distinctive and popular. 8c each; 85c doz.; \$6.00 100.

**Peace**—Flowers are large, of good form, correctly placed on heavy straight spike. Beautiful white with lilac feathering on lower petals. 8c each; 85c doz.; \$6.00 100.

**Prince of Wales**—Beautiful light salmon with orange shade; very early. 7c each; 75c doz.; \$6.00 100.

**Rose Pearl**—Large flower of very pale pink, nearly white; very early. An attractive variety. 10c each; \$1.00 doz.; \$7.00 100.

**Schwaben**—Delicate pale yellow, dark blotch in center. Very popular. 7c each; 75c doz.; \$6.00 100.

**War**—Deep blood red. Very tall and conspicuous. A fine late variety. 7c each; 75c doz.; \$6.00 100.

**Wilbrink**—Pale livid pink with creamy blotch on lower petal; very early and fine cutflower. 10c each; \$1.00 doz.; \$7.00 100.

**M. & S. Choice Mixed Gladiolus**, composed of all named varieties in gorgeous blending, 5c each; 50c doz.; \$3.00 100.



Schwaben.

Mrs. Pendleton.

Baron J. Hulot.

Ruxton, Md., September 1, 1924.

Gentlemen: The Gladiolus which I purchased from you the past season produced blooms which were perfectly exquisite.

Yours truly, MRS. S. S. BRADY.

## M. & S. Superfine Canna Bulbs



Queen Charlotte.

In almost every private garden, in all public parks and in most of the large cemeteries, Cannas are used with the greatest effect to adorn the surroundings. It is difficult to convey in language an idea of the beauty of the Canna plant and flower.

**Culture** — Canna tubers should not be put into the ground until the soil has become warm. They commence blooming in June and continue until late in September. Every shoot bears a flower and these shoots are being constantly produced throughout the blooming season.

**Note** — Our prices are for dormant roots in strong divisions of two and three eyes. After May 1st our stock of roots is usually sold, at which time we can fill orders with well-developed plants.

**Richard Wallace**—Light yellow; green foliage; 4½ feet. 10c each; \$1.00 per doz.

**Gladiator**—One of the finest bedders, color deep yellow freely dotted with red; 4½ feet; green foliage. 10c each; 70c doz.

**Gustav Gumper**—This is an ideal, rich yellow bedding Canna; the flowers of a good size, are held well above the green foliage. The color is a rich golden yellow; a shade that can be seen as far as the eye can carry. 10c each; \$1.00 doz.

**Maros**—The best white flowering Canna. Its flowers of creamy white are produced very freely on stems thrown well above the green foliage. 10c each; \$1.00 doz.

**King Humbert**—Truly a king among the Cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a center, edged with a dwarf yellow Canna, or vice versa, placing it around a center of a tall yellow variety. 10c each; \$1.00 per doz.

**Uncle Sam**—Clear, deep orange flowers, borne in large clusters; often a foot across each, branching stems, about 4 feet; strong vigorous grower, rich green foliage. 15c each; \$1.50 doz.

**Queen Charlotte**—Makes a gorgeous display when planted in masses; color a wide band of yellow, bordering a center of scarlet; 3 feet high; green foliage. 8c each; 75c doz.

**Wyoming**—Bronzy-purple foliage with immense spikes of massive orange flowers; 7 feet. 15c each; \$1.50 per doz.

**Venus**—Rose pink with mottled border of creamy white, green foliage. 10c each; \$1.00 doz.; \$8.00 100.

**The President**—This splendid new variety produces immense flowers of a rich, glowing scarlet; superior in quantity and quality of bloom, to any other red variety; green foliage; 3½ feet. 15c each; \$1.50 doz.

**Canna Plants in May**—15c each; \$1.60 doz.; postage extra. 5c per plant, dozen lots, 25c.



# M. & S. SUPERB SURE-BLOOMING DAHLIAS

If to be sent by parcel post, add 5c to each root or 25c per dozen.



Dorothy Peacock.

Orders for Varieties Under This Heading will be filled in rotation, and will not be ready for delivery before April 15th.

**AMUN RA**—(o) Decorative. Termed the Egyptian Sun God—Jessie Seal's sensational seedling. This new creation has the merit of winning first prize for three consecutive years on the Pacific Coast. A gigantic flower of copper and orange, produced on long, strong stems. Price, \$2.50.

**MARIPOSA** — (o) Hybrid Cactus. A Bessie Boston creation, and a novelty of rare merit. This is one of the finest Dahlias ever produced. Color is a delightful shade of true pink, which is intensified by a deeper colored centre, a faint violet suffusion adding to the effect. The veining of the petals heightens the beauty and increases the novelty of coloring. One of the gigantic Californians which has depth as well as diameter. An absolutely fine stem rises clear above the foliage. Price, \$3.50.

Spade or plow the ground to a depth of about 10 inches. As a fertilizer, use sheep manure and quick-acting bone meal, which should be well mixed with the soil. When the soil is properly prepared, dig a hole 6 inches deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to a depth of 4 inches. Every Dahlia should have from 2½ to 3 feet space and at least 4 feet between the rows.

As soon as the plants are a foot above the ground they should be tied to a stake.

Keep the ground well cultivated and free from weeds. An application of sheep manure about every two weeks will be of great benefit.

Never leave more than one shoot to a plant. You will have better plants and larger flowers if you will allow only one main shoot to a plant.

## EXHIBITION DAHLIAS

Due to the Very Heavy Demand for Exhibition Dahlias we have decided to list a small portion of those that we know are worthy of a place in every garden—some of these varieties have been consistent prize-winners and are still very scarce, and as our stock of these will be limited, we would advise that you send in your order as soon as possible and avoid the possibility of disappointment.

**RED CROSS**—(o) Hybrid Cactus. Scarlet and red. This beautiful Dahlia should be in every collection. An abundant bloomer, with large flowers on long, stiff stems. An excellent cut flower—good keeper. Price, \$1.50.

**GLADYS SHERWOOD**—(o) Hybrid Cactus. An immense, cream white flower, very deep and full to the center, having long, wide satiny petals that glisten in the sun. Fine stems. Price, \$1.50.

**GRIZZLEY**—(o) Decorative. The richest deep velvety maroon Dahlia yet produced. A vigorous grower. Blooms held erect on long, stiff stems—a novelty of merit. Price, \$1.50.

**EDITH SLOCOMBE**—(o) Hybrid Cactus. Here is a flower that is really fascinating, and one that should be in every collection; large or small. The flowers are large and well formed, produced on exceptionally long, strong stems. The coloring is most beautiful, a rich fuchsia-garnet or purplish garnet with velvety shadings, while the forming is wonderful, the petals being twisted and curled. The scarcity of this exceptionally fine novelty makes our stock somewhat limited. Price, \$3.50.

## Cactus Varieties

**Flora**—Large, pure white flower. 15c each; \$1.50 doz.

**Standard Bearer**—Rich, fiery red. 15c each; \$1.50 doz.

**Wodan**—Bold, large, but not coarse flowers, frequently 7 inches in diameter; a graceful arrangement of semi-curved petals of a pleasing delicate salmon-rose color, shading to old gold in center. 25c each; \$2.50 doz.

**Judge Offut**—Bright buttercup yellow, shading to amber; free bloomer; large flower. 40c each; \$4.00 doz.

**Bianca**—Lovely lavender pink. 75c each; \$7.50 doz.

**Break O' Day**—Sulphur yellow, very fine. \$1.00 each; \$10.00 doz.

**Etandard De Lyon**—Beautiful color and formation; wine purple. A large flower that is very much admired. 75c each (o).



Celeste Meyer, Decorative.

**Golden West**—Deep, rich yellow, overlaid orange. 50c each; \$5.00 doz.

**Niebelungenhorst**—A Hollander, and very much esteemed as a cut flower; dainty coloring, apricot rose. A large flower on long, stiff stems. 75c each (o).

**SINGLE VARIETIES OR CENTURIES**  
**Ami Barrillet**—Scarlet crimson flower; dark bronze foliage. 25c each; \$2.50 doz.  
**Big Chief**—Brilliant cherry red; margined rich, velvety maroon. 25c each; \$2.50 doz.

**Fringed 20th Century**—White at base and lips, center of petals a delicate blush rose, which are deftly cleft, giving a fringed appearance. 25c each; \$2.50 doz.

## Collarettes

**Achievement**—Clear, rich, velvety maroon; collar beautiful waxy snow white. 25c each; \$2.50 doz.

## Decorative Varieties

**Yellow Duke**—Pale canary yellow, immense flower. 25c each; \$2.50 doz.

**Celeste Meyer**—Strong grower, large flowers of tango red heavily tipped and striped white, very attractive and exquisite, prolific bloomer. 25c each; \$2.50 doz.

**Dorothy Peacock**—A beautiful flower; color, best shell pink; fine for cutting. 25c each; \$2.50 doz.



Ottilia Meyer, Peony.



Eleanor Stisser, Decorative.



**Eleanor Stisser**—Tall and vigorous, handsome flowers of a unique shade of buff to salmon, with a distinct shading of pink. 25c each; \$2.50 doz.

**Jack Rose**—Rich, velvety crimson. An ideal cut flower sort. 25c each; \$2.50 doz.

**Souv. de G. Duzon**—Enormous orange red flowers. 25c each; \$2.50 doz.

**Baltimore**—Lemon - yellow. 25c each; \$2.50 doz.

**Albert Manda**—Lemon pink and white. 50c each; \$5.00 doz.

**Copper**—Rich copper color. \$1.00 each; \$10.00 doz.

**Dorothy Willis**—White, shaded lilac rose, heavily striped and splashed deep maroon. Fine novelty for exhibiting. \$1.50 each (o).

**F. C. Burns**—Fine shell pink. 50c each; \$5.00 doz.

**Frau Geheimrat Scheiff**—An exquisite blending of apricot, orange and yellow. An early and continuous bloomer, producing large flowers on exceptionally long stems. Extra fine. \$1.50 each (o).

**Judge Marean**—A gigantic flower of perfect type and of a color combination most difficult to describe. A riot of color which changes continually as the flower develops. A glowing salmon-pink with a touch of watermelon red, exquisitely blending to iridescent orange, yellow and pure gold. Very profuse bloomer, being at its best in August. Flowers are produced on exceptionally long, wiry stems, high above the foliage. A Marean creation which should be in every collection. \$2.50 each (o).

**John Lewis Childs**—Picture a yellow, heavily striped with brilliant deep scarlet, generally tipped white, and you have this very attractive variety. A flower of immense size and produced on long, stiff stems. Very desirable for exhibition purposes. \$1.50 each (o).

**Miss Minnie McCollough**—Soft yellow overlaid with bronze. 25c each; \$2.50 doz.

**Pride of California**—A giant dark red, hard to beat. 50c each; \$5.00 doz.

**Purity**—Pure white. 50c each; \$5.00 doz.

### Pompon Varieties

**Achilles**—Delicate lavender, tinted lilac. 25c each; \$2.50 doz.

**Amber Queen**—Beautiful amber. 25c each; \$2.50 doz.

**Little Beauty**—Pretty light pink. 25c each; \$2.50 doz.

**Little May**—Bright lemon, fine for cutting. 25c each; \$2.50 doz.

### Show Varieties

**Mrs. C. D. Anderson**—A Dahlia of merit and one of the largest of its kind. Rich purplish crimson. 75c each (o).

**Maud Adams**—This show Dahlia has been very much admired during the past few seasons, and is in continuous demand. White, with a faint tint of pink on ends or petals. Abundant bloomer. 50c each (o).

**Vivian**—A Dahlia which you will appreciate when you see it bloom. White, heavily overlaid strawberry red. A constant bloomer. 50c each (o).

**Zebra**—Pearl white, edged pink. 25c each; \$2.50 doz.

**Timonium**—Very prettily twisted petals of light bronze, fine form and good stem. 25c each; \$2.50 doz.

**Jean Kerr**—White. 25c each; \$2.50 doz.

**A. D. Livoni**—Shell pink. 25c each; \$2.50 doz.

### Peony Flowering Varieties

**Prairie Fire**—Intense rich scarlet, fine cutflower. 25c each; \$2.50 doz.

**Hon. R. L. Bordon**—Large; distinct, rich golden bronze. One of the finest of recent introduction. 25c each; \$2.50 doz.

**OPTILIA MEYER**—Blooms very freely on strong stems of remarkable length. Color a tinted cream pink. Beautiful by day and simply grand under artificial light. Price, 50c; \$5.00 doz.

**Dr. Rusby**—Pale yellow, large. 35c each; \$3.50 doz.

**Queen Elizabeth**—Rose mauve. 50c each; \$5.00 doz.

**Dream**—Salmon shade with amber glow. 75c each; \$7.50 doz.

**M. & S. Choice Mixture**—Containing some of the very choicest varieties. 15c each; \$1.50 dozen.

### Begonias

(TUBEROUS ROOTED)

Enormous wax-like flowers appear uninterruptedly from June until frost. Plant bulbs outdoors about May 1st or start indoors any time prior to then.

A most charming plant with beautiful foliage. Single or double. Colors: Red, white, yellow, pink and salmon. Price, 20c each; \$2.00 per dozen, postpaid.

For postage add 5c each or 25c dozen.

### Box Collection of Dahlias

A new departure; put up in sets of 8 assorted varieties, unlabeled, embracing a wide range of colors, red, white, pink, yellow, variegated, etc. This collection is sent through Parcel Post to any part of the United States for \$1.00.



MAMMOTH SIZE

### Double Pearl Tuberoses

**Culture**—One of the most fragrant and popular of the summer flowering bulbs. May be started early in hotbeds or pots, or planted in open ground after first of May. The bulbs we offer are not to be compared with cheap ones—ours are sure bloomers. Soaking them over night in lukewarm water promotes rapid growth. 1c each; 50c dozen; \$3.25 per 100, postpaid (for postage add 5c each or 25c dozen).

Tuberoses

### Hardy Japanese Lilies



Lillium Auratum

All herbaceous borders should have a few lilies scattered through them. The sorts offered below can be planted with excellent results during the early Spring months. It is in the hardy border that lilies do best, as they get the benefit of the shade of the surrounding plants, which is so necessary for their welfare; other varieties should be planted in the Autumn, and are offered in our Autumn catalogue.

**Auratum (Gold-banded Lily)**—Large, graceful flowers, composed of six petals of a delicate ivory-white, thickly studded with chocolate-crimson spots and striped through the center by a golden yellow. 30c each; \$3.25 per dozen.

**Speciosum Album**—Large white flowers of great substance, with a greenish band running through the center of each petal. 40c each; \$4.50 per dozen.

**Speciosum Rubrum, or Roseum**—White, heavily spotted with rich, rosy-crimson spots. 35c each; \$4.00 dozen.

**Speciosum Magnificum**—Rich deep red, 35c each; \$4.00 doz.

### Caladium Esculentum

(ELEPHANT EAR)



Caladium (Elephant Ear)

For postage, add 5c each or 25c dozen.

As center pieces of specimen in flower beds Caladiums answer well. They also make an excellent edging for a hardy bed of grass, for Ricinus and other tall growing plants. When planted in a bed alone, a border of Scarlet Sage removes the one color effect and makes a beautiful contrast. Do not plant Caladiums outdoors until after May 1st, but to get them in early growth they may be started indoors.

**Monster Bulbs**, 15c each; \$1.75 dozen.

#### FANCY-LEAVED CALADIUMS

No other summer foliage plant equals the Fancy Caladiums in rich and gorgeous, yet soft coloring. All of the varieties are of marvelous beauty for the furnishing of the conservatory during the summer months, for window boxes, or even for outdoor bedding in shady or semi-shady positions.

**Candidum**—White ground with strongly defined bright green ribs.

**D. M. Cook**—Emerald green, golden red center, vivid red ribs, red spots.

**Fascination**—Center a medley of pink, salmon and orange, bordered pea green; edge bronzy green. The ribs are red bordered by a narrow thread-like edge of white.

**Macahya**—Gigantic leaves, deep green splashed with transparent rose and very conspicuous red spots.

All Four Varieties, 35c each; \$3.50 dozen, postpaid.

Lakeland, Baltimore, Md., October 17, 1924.

Gentlemen,—I received my rose bushes in excellent condition and everything was satisfactory.

Yours truly,

ALBERT KAUFMAN.



## Everblooming ("Monthly") Roses

**AMERICAN BEAUTY**—The most famous of American Roses. Rich color and delicious fragrance. Deep brilliant red, shading to a rich carmine-crimson. Price, 1-yr. 40c each; 2-yr. 75c.

**WHITE MAMAN COCHET**—"The masterpiece of perfection in a Rose." Color, silvery white, with porcelain shadings. Very distinct—flowers enormous size with high pointed center—a model for exhibition purposes. Price, 1-yr. 25c each; 2-yr. 75c.

**ETOILE DE FRANCE**—A brilliant shade of velvety crimson. Very striking. Flowers are extremely large on long, but stiff stems—unexcelled for cutting. Price, 1-yr. 25c each; 2-yr. 75c.

**KAISERIN AUGUSTA VICTORIA**—The best white Rose in the world. It is a continuous bloomer; shows no center when fully open, color snowy-white. Price, 1-yr. 25c each; 2-yr. 75c.

**MAD. COLETTE MARTINETTE**—Color beautiful coppery orange, buds opening cup shaped and fragrant. The blooms are large, borne on good stems; the distinctness of the variety pleasing all rose lovers. Price, 1-yr. 30c each; 2-yr. 75c each.

**KILLARNEY**—Remarkable for the size of its intensely fragrant flowers. Brilliant sparkling pink. Price, 1-yr. 25c each; 2-yr. 75c.

**RHEA REID**—"The reddest of red Roses." Extra large; wonderful foliage; strong grower. Price, 25c each; 2-yr. 75c.

**SUNBURST**—Very striking flowers of rich yellow, with orange center. Perfect both in bud and bloom. Price, 1-yr. 35c each; 2-yr. 75c.

**OPHELIA**—Salmon-flesh color, shaded with Rose. Large flowers, long stems, fine for cutting. Price, 1-yr. 30c each; 2-yr. 75c.

**COLUMBIA**—It is a big Rose, the open flower measuring six inches across. Color, true pink, deepening as it opens to a glowing pink. Price, 30c each; 2-yr. 75c.

**MAIDEN BLUSH**—Color, soft rose, shading to yellow. Produces immense blooms on strong stiff stems. Good grower. 25c each; 2-year 65c.

**RED LETTER DAY**—An exceedingly beautiful Rose of infinite grace and charm. Its velvety, brilliant, glowing scarlet crimson buds and fully opened cactus-like flowers never fade. 25c each; 2-year 65c.

**LADY MARY WARD**—Color, rich orange, shaded deeper apricot-orange, with a decided metallic veining, the greatest novelty color yet seen in Roses. 28c each; 2-year 75c.

**ALEXANDER HILL GRAY**—"Best and largest pure yellow Tea Rose." It is wonderfully productive, every shoot being crowned with a flower bud, which develops into a beautiful straw-yellow bloom. 25c each; 2-year 65c.

**FRANCIS SCOTT KEY**—Black-grained intense scarlet crimson blooms. Richly perfumed. Francis Scott Key is a Rose that should be planted in every garden. 1-year 30c; 2-year 60c.

**BESSIE BROWN**—Blooms are of enormous size, of heavy substance and are perfect in shape, lasting splendidly when cut. Snow white, flushed and tinged with pink. Foliage is well up to the flower. 28c each; 2-year 65c each.

**MRS. AARON WARD**—The blooms of this variety are of a most pleasing and attractive shade—Indian-yellow, washed with salmon-gold. "Everybody's Rose." 1-year 25c; 2-year 75c.

**RED RADIANCE**—One of the finest of the cut-flower type. Flowers are brilliant carmine-red, a color of wonderful brightness and charm, and a color that never fades. 1-year 28c; 2-year 70c.

**EUGENE BOULLET**—The monthly bloomer stands at the very top of the red garden Roses for massings. Color, deep crimson-carmine. 25c each; 2-year 65c.

**PINK DRUSCHKI**—Pink form of the popular white Rose Frau Karl Druschki. The rosy-pink blooms are highly perfumed. 30c each; 2-year 75c each.

**LADY HILLINGDON**—A rich shade of yellow which does not easily fade. 1-year 25c; 2-year 65c each.

**PREMIER**—Truly a big Rose that is ideal among the ever-blooming varieties. Large broad-petaled pink blooms. Deliciously fragrant. 1-year 25c; 2-year 65c each.



Monthly Blooming Rose Premier.

**AMERICAN LEGION**—"The fragrance surpasses even that of La France." Dark blood-red flowers. An American Rose for American gardens. 1-year 35c; 2-year 90c.

**LADY ALICE STANLEY**—The blooms are a beautiful shade of coral rose, the inside of the petals, shading to flesh pink, with deeper flushes. 1-year 25c; 2-year 65c.

**CRUSADER**—A big strong, robust growing variety, with rich velvety maroon blossoms. Strong stems. Fine for cut-flowers. 1-year 30c; 2-year 75c.

**GOLDEN OPHELIA**—A most pleasing tint of salmon-flesh, with golden yellow suffusions. A Rose that is admired by everyone. 1-year 28c; 2-year 75c.

**MADAME JULES BOUCHE**—One of the best white bedding Roses. The blooms are sometimes slightly tinged blush on the reverse of the petals. 1-year 25c; 2-year 65c.

**JOHNKHEER MOCK**—The flowers are of large size and perfect form, of a deep imperial pink, the outside of the petals rose-white. Highly perfumed. 1-year 25c each; 2-year 60c each.

**WHITE KILLARNEY**—One of the most exquisite white Roses grown. Strong and upright. Deep bronzy-green foliage. 20c each; 2-year 60c each.

**EUGENE E. MARLITT**—A strong grower, and a constant and profuse bloomer; double; tea scented. Color, very bright, deep and shining carmine with scarlet tones. 28c each; 2-year 65c.

## Hardy Climbing Roses

**CLIMBING AMERICAN BEAUTY**—Large glowing red; fragrant; very hardy. True American Beauty in both size and color. Porch or trellis cover. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**EXCELSA**—Bright crimson flowers, in clusters of 20 to 40, almost concealing foliage. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**DOROTHY PERKINS**—A wonderfully fast-growing beautiful shell-pink climber; cluster flowers. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**HARDY MARECHAL NIEL**—Excellent hardy yellow climber. None better. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**BLUE RAMBLER**—Magenta blue in color. A perpetual source of wonder. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**DR. W. VAN FLEET**—"Flowers over four inches across." Color a delicate shade of flesh pink, deepening to rosy-flesh in the center. Stems 12 to 18 inches long. A peer among climbers. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**THOUSAND BEAUTIES**—A single cluster of flowers is a whole bouquet in itself, hence the very fitting name "Thousand Beauties." Color a tender rose showing tints of carmine, white and yellow. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**AMERICAN PILLAR**—Its great mass of bloom fairly covers the bush. Flowers very double. Color is a flaming pink. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**SHOWER OF GOLD (Improved Yellow Rambler)**—Color a deep golden yellow with orange shadings. Beautiful metallic foliage. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

## CINNAMON VINES

Beautiful leaves, dainty flowers, exquisite perfumes.

Most beautiful—most fragrant and easiest grown of all climbers. Will make your porches, windows and walks "perfect bowers of beauty."

Once planted, will grow a lifetime. Cinnamon Vines also make charming window plants—indoors or out.

**Perfectly Hardy**—Grow in sun or shade, wet or dry, indoors or out. No insects or blight ever troubles. No winter harms. Their abundant blossoms perfume the air for a long distance. No words can describe their delicious fragrance.

**Headquarters Stock. Order at once. Tubers keep perfectly till planting time.**

**For Windows**—Plant two on each side. For porches, walks, etc., plant the tubers 8 inches or a foot apart, cover 2 inches. Furnish twine support for the vines.

"It always pays to make the home beautiful."

**EXTRA LARGE**—2-year old, will make enormous vines in a few weeks. 10c each; \$1.00 dozen, postpaid.





## Hardy Vines for Trellises, Etc.

**BOSTON IVY**—Most popular climbing plant for brick or stone walls, buildings, trees, fences, etc. Clings to smoothest surfaces. 25c; \$2.40 per dozen. Two-year plants, 45c; 3 for \$1.28. Three-year plants, 75c each; 3 for \$2.14.

**SWEET-SCENTED CLEMATIS PANICULATA**—Most satisfactory climbing flowering plant, strong, rapid growth, dense, cheerful green foliage. Flowers in great profusion, creamy white color, very fragrant. 25c; 2-year, 40c; 3 for \$1.14.

**HARDY PURPLE WISTARIA**—Vigorous, strong-growing vine, lovely, rich violet-blue flowers, deliciously sweet. 35c; 3 for \$1.00. Heavy field plants, \$1.25 each.

**HARDY WHITE WISTARIA**—Flowers pure white; strongly scented flowers, 35c; \$3.36 per dozen. Heavy field plants, \$1.25; \$12.00 per dozen.

**EVERGREEN SWEET-SCENTED HONEYSUCKLE**—Purplish evergreen foliage. Flowers white changing yellow, sweetly fragrant. 25c. Extra strong, 45c; 3 for \$1.28.

**HARDY CLIMBING SWEET PEAS**—35c.

**PINK BEAUTY**—Pure pink, quite popular. 35c; 3 for \$1.00.

**CRIMSON KING**—Crimson-red flowers, tall grower. 35c; 3 for \$1.00.

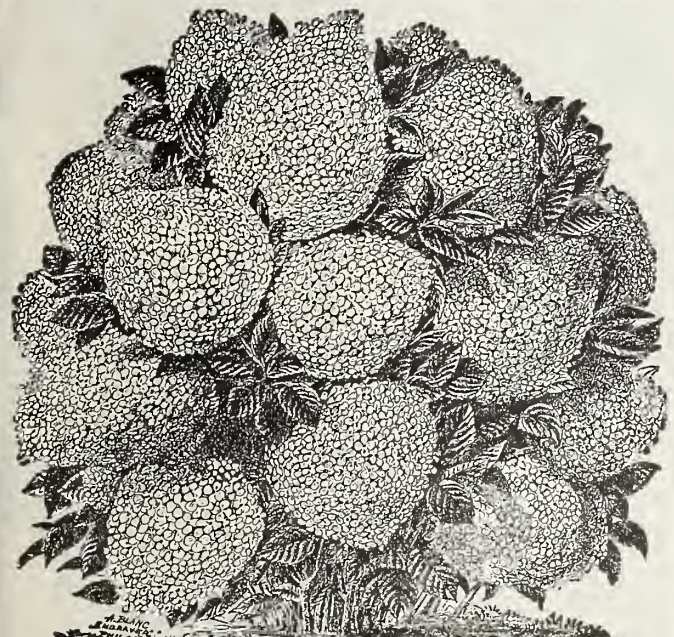
**WHITE PEARL**—Pure white. Blooms entire summer. 35c; 3 for \$1.00.

**SPECIAL**—1 each of above varieties of Sweet Peas, \$1.00.

**CLEMATIS COCCINEA**—A very handsome, hardy climber, bearing highly fragrant, bell-shaped, purplish-red or scarlet flowers from June until frost. Price, strong plants, 50c each.

**HARDY JAPANESE KUDZU VINE (Pueraria Thunbergiana), "Jack and the Bean Stalk" Vine**—A vine that will grow anywhere in the best or poorest soil. Remarkable and rapid, often making a growth of 50 to 75 feet in one season. Fragrant purple flowers; invaluable for covering porches, etc. Strong, 1-year plants, 30c each; 3 for 85c. Large 2-year plants, 45c each; 3 for \$1.28.

**MADEIRA or MIGNONETTE VINE**—Heart-shaped leaves; feathery flowers; delicious fragrance. Here is what you want if a quick growth is desired. Roots, 12c; 3 for 34c; per doz. \$1.15.



Hardy Hydrangea Paniculata, admirably adapted for border or cemetery.

## Popular Hardy Shrubs

**HYDRANGEA PANICULATA**—Height from 4 to 8 feet; perfectly hardy in all parts of the country. White flowers, turning to pink, borne on immense pyramidal panicles nearly a foot in length from July until November. Price, strong plants, 45c each; larger plants, 75c each; extra large plants, \$1.00 and \$1.50 each.

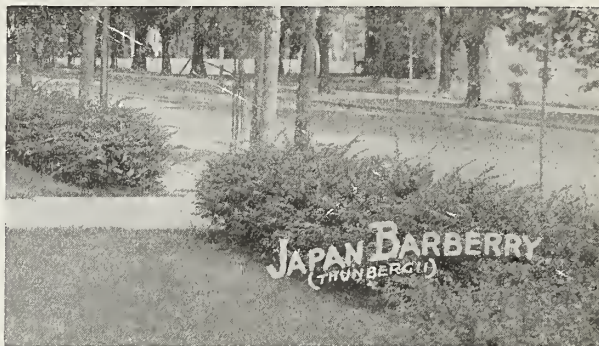
**BRIDAL WREATH (Spirea Van Houttei)**—Beautiful foliage at all times and a fountain of arching snow-white blooms during May and June. Very popular. 35c each; 3 for \$1.00; \$3.50 per dozen; larger plants 60c; extra heavy plants \$1.00 and \$1.50 each.

**COMMON SNOWBALL BUSH**—An old-time favorite. Pure white flowers in dense clusters which look like balls of snow; very attractive. Large plants, 65c and \$1.00 each.

**GOLDEN BELLS (Forsythia Fortunei)**—The first shrub to bloom in the spring, the pendant golden bells appearing before the leaves. 30c each; large plants, 75c each.

**ALBA SNOWBERRY**—Grows 3 to 5 feet. Flowers pure white or pinkish. Berries white, produced in clusters. Field grown; Strong plants, 40c each; 3 for \$1.10; large plants 75c each.

**RUBRA (Indian Currant)**—Grand shrub, red or purplish berries. Bright green leaves, tinged reddish purple. Flowers greenish red, all summer. Berries early in autumn. Large plants, 50c each; 3 for \$1.43; \$4.80 per dozen. Extra large plants, 75c each; 3 for \$2.14; \$7.20 per dozen.



## Hardy Hedge Plants

**JAPAN BARBERRY**—Valuable as specimen plants or for hedges. Drooping yellow flowers followed by bright red berries. Foliage changes to fiery crimson in autumn. This variety, unlike the common Barberry does not harbor wheat rust and is entirely harmless to grain crops. 25c each; 3 for 72c; 12 for \$2.40. \$10.00 per 100. Large size, 35c each; 3 for \$1.00; \$3.50 per dozen. \$17.50 per 100.

**CALIFORNIA PRIVET**—Cheaper than fences, far more beautiful. The most popular ornamental hedge plant. Price, by express, \$1.00 per dozen; \$3.00 per 100. (25 and 50 at 100 rate.) Hedge plants are set 6 inches apart, viz.: a 50-ft. hedge requires 100 plants.

## DEUTZIAS

**CRENATA ROSEA PLENA**—Beautiful pink flowers.

**PRIDE OF ROCHESTER**—Pure white, double flowers.

Prices: Any Variety, 30c each; large plants, 75c.

## ALTHEA—ROSE OF SHARON

**BOULE DE FEU**—The prettiest double red; commendable.

**JEAN DE ARC**—The pure white Althea, double; for cemetery.

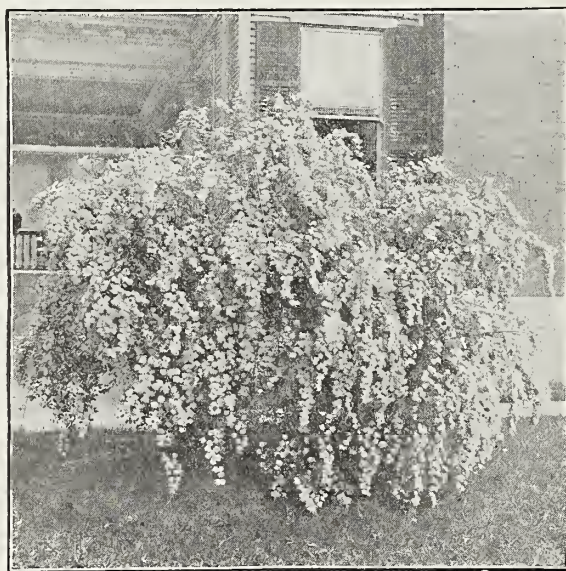
**CERULEAN BLUE**—Double blue; extra fine.

Flower profusely during July and August. Grow 6 to 8 feet. Price, any variety: Strong plants, 50c each; 3 for \$1.43.

**MOCK ORANGE (Philadelphus)**—An old favorite. Flowers cup shaped, very fragrant, pure white. 35c each; large plants, 65c.

**SWEET-SCENTED SHRUB**—The flowers when fully open are about the size of a silver dollar, of a mahogany brown color. Strawberry-scented. Should be in every planting. Price, strong plants, 50c each; 3 for \$1.43. Extra large plants, \$1.00 each.

**YARD PLANTING OFFER**—One each of the following seven Shrubs for \$1.48; large plants, by express, \$3.42. Bridal Wreath, Weigela Rosea, Summer Lilac (Buddleya), Snowball, Spirea Billardi, Hydrangea Paniculata, Althea. These seven Shrubs will give a succession of flowers from April until frost, flowering in the order named.



Spirea Van Houttei (Bridal Wreath). Not excelled by any shrub grown; exceptionally graceful in growth, wonderfully striking in power.



## Everblooming Butterfly Bush

It produces long stems which terminate in panicles of beautiful lilac-colored flowers, attracting hundreds of butterflies. Will throw out as many as fifty flower spikes the first season planted, increasing in number during succeeding years. Flowers from June until frost. Top should be cut off quite close to ground every spring. 35c each; 3 for \$1.00. Larger plants, 75c each.

**SYRINGA—BOUQUET BLANC**—Dwarf growth with long, slender branches covered with sweet-scented double flowers of creamy-white. 40c each; large plants, 75c each.

**WEIGELA ROSEA**—One of the most conspicuous shrubs that we cultivate; flowers pink, dwarf, adapted to lawns or gardens. 50c each; 3 for \$1.43; large plants, \$1.00 each.

**GOLDEN ELDERS**—Golden foliage, blossoms and fruit like common elder. Fruit is prized for pies and wine. 50c each; 3 for \$1.43; large plants, \$1.00 each.

**SPIREA ANTHONY WATERER**—Begins to bear flat clusters of rosy-red flowers early in spring and continues in bloom until late in autumn. 60c each; 3 for \$1.70.

**PURPLE LILAC**—An old-time favorite that will always remain popular. Flowers fragrant. 65c each; 3 for \$1.85.

**WHITE LILAC**—Identical with the purple variety excepting that the flowers are white. 65c each; 3 for \$1.85.



Butterfly Bush (Summer Lilac).

BUTTERFLY  
BUSH.

## Snake Plant

The ideal house plant, its thick, leathery, sword-like leaves standing the heat, dust and gas with impunity. Leaves are dark green in color, striped with white. Nice plants, 30c each.



Snake Plant.

## Weeping Lantana

A new weeping plant of great beauty. Graceful, drooping habit, grows very rapidly and blooms continually summer and winter, producing large clusters of flowers of lilac or rosy-pink. Easily grown. Strong plants, 25c each; 3 for 72c; \$2.40 per dozen.

## Wandering Jew

A wonderfully fast growing trailing vine; multi-colored foliage. 20c each; 3 for 57c.

## Hibiscus Peachblow

Flowers are double; of charming rich, clear pink color; an entirely new and most beautiful shade. Makes a fine plant for the house; easily grown. 25c each.

## Popular Begonias

**KING OF BEX**—In no other class of plants do we find the rich metallic foliage, and colors blending from brightest green, silver and orange to a bright plum color as are found here. Mammoth leaves. Nice plants, 45c each; 3 for \$1.20.

**BEEFSTEAK BEGONIA**—The true variety. We have been very fortunate in securing a stock of this plant. Spreading habit, circular leaves of heavy texture, red beneath, above a glossy olive-green, with an oil-like cast; flowers coral. We cannot state when we will be able to offer this beautiful Begonia again. 30c each; 3 for 85c.

## Sweet Scented Carnations

**BEACON**—Rich crimson blooms average 3 1/4 inches in diameter. Price, 25c each; 3 for 72c; 12 for \$2.40.

**GAIETY**—A grand variegated Carnation. Price, 25c each; 3 for 72c; 12 for \$2.40.

**WHITE WONDER**—Snow-white. Very fragrant. Price, 25c each; 3 for 72c; 12 for \$2.40.

## Beautiful Decorative Ferns

**BOSTON FERN**—For large specimen plants or for hanging baskets the Boston Fern takes the lead. Drooping fronds often six feet in length. A Fern that looks well anywhere. 35c each; stronger plants, 60c each; larger plants, \$1.00.

**OSTRICH PLUME FERN (Nephrolepis Whitmanii)**—No words can describe this Fern better than its name, because of the waxy, plume-like appearance of the fronds which are often 8 inches wide. Upright and stocky growth. 35c each; stronger plants, 60c each; larger plants, \$1.00.

**ROOSEVELT FERN**—Fronds heavy and broad, often measuring 6 inches or more across, and five or six feet long. Exceedingly graceful. 30c each; stronger plants, 60c each; large plants, \$1.00 each.

**FERNS FOR FERN DISHES**—We will send to any address in the United States, postpaid, 6 Ferns, all different, including Crested Fern, Striped Silver, Maiden Hair, etc., for \$1.25; 9 Ferns for large dish, \$1.50.

**FEATHER FERN**—The foliage is composed of dense, glossy-green, graceful drooping branches. Can be grown as a vase, pot, or tub plant. Sprays four to five feet long. 25c each; larger plants, 50c and 75c.

**LACE FERN (Asparagus Plumosus)**—Its bright green foliage is extremely fine and plume-like. Makes a fine pot plant for the house or porch. By many florists it is used instead of Smilax, as it is more easily grown and far more beautiful. Nice plants, 35c each; larger plants, 60c and 85c each.



The Wonderful Ostrich Plume Fern, Whitmanii.

## Cutflower Chrysanthemums

**ROMAN GOLD**—An evenly colored, globular yellow. When well cultivated and cared for, the blooms are from 6 to 8 inches in diameter. Price, 25c each; 3 for 72c; \$2.40 per dozen.

**FIRE BALL (Latest Introduction)**—Color, deep blood red. Height, 4 feet. Price, 25c each; 3 for 72c; \$2.40 per dozen.

**CRIMSON TANGLE (Red Ostrich Plume)**—A very striking crimson-red plumed variety. Price, 25c each; 3 for 72c; \$2.40 per dozen.

**WHITE OSTRICH PLUME**—Pure white flowers; heavily plumed. 25c each; 3 for 72c; \$2.40 per dozen.

**RICHMOND**—Perfect fullness; silk-like finish; bright golden yellow. A prize winner at the shows. 25c each; 3 for 72c; \$2.40 per dozen.

**MAJOR BONNAFFON**—Soft, clear yellow, full to center, often 8 inches in diameter. Price, 25c each; 3 for 72c; \$2.40 per dozen.

**CHIETAINE**—Rose-pink, globular, incurved—everyone likes it. Price, 25c each; 3 for 72c; \$2.40 doz.

**WHITE BONNAFFON**—Finest of early whites. Large and full. Sometimes tinted pearl. Price, 25c each; 3 for 72c; \$2.40 per dozen.

**DOLLY DIMPLE**—Glowing yellow. Considered by many the Queen of all Chrysanthemums. Fine for pot culture. Price, 25c each; 3 for 72c; \$2.40 per dozen.

**SPECIAL OFFER**—1 each of above 10 Exhibition Chrysanthemums, postpaid, \$2.10.



Major Bonnaffon.



## Hardy Old-Fashioned Chrysanthemums

The Hardy Chrysanthemum gives us the most attractive outdoor fall flower. It is now universally planted; growing anywhere and producing wonderful results with little attention. It is a plant without equal, either in solid beds, mixed borders or planted against foundations.

- HOMESTEAD**—Strong shade of pink. Has no equal for size. 28c.  
**EXCELSIOR**—Deep yellow flowers borne in clusters. 20c.  
**VICTORY**—Leading large-flowering white pompon. 28c.  
**AUTUMN GLOW**—Coppery bronze with red tinge. 25c.  
**PRINCE OF WALES**—Pure white; button type; solid mass of bloom. 20c.  
**INDIAN**—Soft red flowers of good size. None better. 26c.  
**ALICE HOWELL**—Rich shade of orange-yellow; new. 20c.  
**CHALDON**—Reddish-crimson with gold tips. 24c.  
**NORMANDIE**—Delicate pink of recent introduction. 20c.  
**MISS F. COLLIER**—The new hardy pure-white pompon. 24c.  
**SPECIAL OFFER**—Any three of the Hardy Chrysanthemums listed above, 68c; any five, \$1.10; all ten above, \$1.62.



Hardy Garden Phlox Pantheon

## Hardy Garden Phlox

Flower heads often measure from 7 to 9 inches across, borne from early summer until frost. They grow vigorously—increasing in size from year to year, and make very attractive plantings along walks or in clusters. Price, any of the following varieties, 35c each; 3 for \$1.00; \$3.60 per dozen.



**BRIDESMAID**—Massive white heads having a large crimson-carmine center. One of the most attractive of the varieties.

**PANTHEON**—A variety being medium in height. Color bright salmon-pink, with lighter shadings and dark crimson eye.

**VON LASSBURG**—Purest white in cultivation. Largest of whites.

**R. P. STRUTHERS**—Rosy carmine with claret-red eye.

**INDIAN CHIEF**—Clear purple red; rich shade. Fine for rockeries.

**MISS LINGARD**—The favorite white flowering variety, coming into bloom early in May, flowering throughout the season.

**BERGARTNER WITTIG**—The color of this attractive Phlox is bright magenta, with crimson-carmine eye.

**ATHIS**—Lively shade of deep pink, and a light halo around its aniline-red eye.

**VON HOCHBERG**—The best of all dark colored Phlox. Color solid rich velvety crimson.

**LOTHAIR**—Bright crimson.

## Perennial Plants

**BABY'S BREATH**—Hardy. A mass of minute pure white flowers. Very dainty. 30c each.

**ACHILLEA (Cemetery Plant)**—Snow-white flowers produced in large sprays. Fine for cemetery planting. Hardy. 25c each.

**CAMPANULA (Canterbury Bells)**—Hardy. Flower from May until September. Cup-shaped flowers. Colors: Blue, pink, crimson and white. 25c each; 3 for 72c.

**SWEET WILLIAM**—Hardy. Beautifully marked blooms of extremely rich and varied colors. 25c each; 3 for 72c.

**FOXGLOVE (Digitalis)**—Hardy. Bears thimble-shaped flowers on large spikes. Always satisfactory. 25c each.

**LONG SPURRED COLUMBINE (Larkspur)**—Hardy. Graceful flowers, freely produced on long stems. We offer an extra fine long spurred strain. Mixed colors only. 25c each; 3 for 72c.

**DOUBLE HOLLYHOCKS**—Hardy. Straight towering spikes a mass of waxy flowers. Select from colors: White, maroon, pink, red and yellow. 25c each; 3 for 72c; \$2.70 per dozen.

**DELPHINIUM (Gold Medal Hybrids)**—Hardy. The most attractive bold, and meritorious flower we have. The immense spikes of brilliant shades of blue produce the most striking effects in the flower garden. 35c each; \$3.36 per dozen.

**GIANT HARDY PRIMROSE**—Immense trusses of large flowers from purest white, yellow, and orange to crimson. 35c each.

**SHASTA DAISY**—Hardy. Pure white with gold center, petals very long and center soft and velvety. 20c each.

**HARDY ORIENTAL POPPY**—Enormous large flaming red flowers. Striking. 25c each; 3 for 72c.

**DOUBLE GOLDEN GLOW**—Hardy. Grows 8 feet high. Exquisite double blossoms of brightest golden-yellow, as large as Cactus Dahlias. 25c each.

**CHINESE LANTERN PLANT (Physalis Francheti)**—An ornamental variety of the Winter Cherry, forming dense bushes, about 2 feet high, producing freely its bright orange scarlet lantern-like fruits; highly interesting. The most useful of all the everlastings. For Hallowe'en, Thanksgiving and Christmas decorations. 25c each; \$2.50 per dozen.





Write for Prices on Larger Quantities.

# NURSERY DEPARTMENT

Sent via Express or Freight Only.



## Shade Trees

- Norway Maples—8-10 ft., \$2.50.
- Silver Maples—8-10 ft., \$2.50.
- Catalpa Bungeii—grafted—6-8 ft., \$3.00.
- Poplar, Carolina—10-12 ft., \$2.00.
- Poplar, Lombardy—8-10 ft., \$1.50.
- Teas Weeping Mulberries—5-6 ft., \$3.00.
- Weeping Willows—5-6 ft., \$1.50.
- Betula Alba, or White Birch—8-10 ft., \$2.50.
- American Lindens—8-10 ft., \$2.75.
- Cornus Rubra, or Red Dogwood—2-3 ft., \$4.00.
- Cornus Florida, or White Dogwood—3-4 ft., \$2.00.
- Oriental Plane, or Sycamore—8-10 ft., \$2.50.
- American Elm—8-10 ft., \$2.50.
- Tulip Tree—8-10 ft., \$2.00.

## Evergreen Shrubs and Trees

### SELECTION OF M. & S. EVERGREENS

Arborvitae American, Firs, Balsam and Nordmans. Junipers, Irish and Japanese. Pine, White, Scotch and Austrian. Retinosporas, Plumosa and Plumosa Aurea. Squarosa Veitchii, Spruce, Norway, Colorado Blue. Yew, Drupacea and Fortunis Boxwood. Small trees from \$1.50 to \$2.50. Larger trees, price as to size and variety.

## Best Books for Gardener and Professional

- A Little Book of Climbing Plants, by Alfred C. Hottes... \$2.00
- A Little Book of Annuals, by Prof. Alfred C. Hottes... 1.75
- A Little Book of Perennials, by Prof. Alfred C. Hottes... 1.75
- Milady's House Plants, by F. E. Palmer... 1.20
- Garden Guide. Paper Cover, \$1.00... 1.75
- Practical Landscape Gardening, by Robt. B. Gridland... 2.75
- Rose Culture, by E. Holmes... 2.00
- The Small Nursery, by Nelson Coon... 1.75
- Practical Plant Propagation, by Prof. Alfred C. Hottes... 2.25
- Home Fruit Grower, by M. G. Kains... 1.75
- The Complete Home Landscape, by Arthur J. Jennings and Leonard H. Johnson... 2.75
- Plant Culture, by Geo. W. Oliver and A. C. Hottes, 444 pages... 3.75

All Cloth Bound. Prices Postpaid.

**HARDY PAEONY CLUMPS—Red, White, Pink and variegated. Choice varieties. 50c each; \$5.00 doz.**

## Apples



**Baldwin**—Large, roundish; deep bright red; very productive; handsome fruit.

**Ben Davis**—Large, handsome, striped; productive; a late keeper.

**Grimes' Golden (Grimes' Golden Pippin)**—Of the highest quality; deep golden yellow, aromatic, spicy and rich. Tree vigorous and productive.

**Maiden's Blush**—Rather large and smooth, evenly shaded red or blush on a clear, pale yellow ground; with a pleasant flavor.

**Wine Sap**—Medium size, dark red; of rich flavor, very productive; late.

**Red Astrachan**—Large, roundish, deep crimson, overspread with a thick bloom; juicy, rich, acid, very productive.

**Rhode Island Greening**—Large, greenish-yellow; tender, juicy and rich, with rather an acid flavor; an abundant bearer.

**Smokehouse**—Roundish oblate; yellow, shaded and striped with bright red; flesh yellowish; very productive.

Any of the above in 6 to 8 ft. trees, \$1.50 each; four-year-old trees, \$2.50 each.

We can also supply all other varieties, also Crab Apples.

## Cherries

**Black Tartarian Cherry**—Very large, purplish black; half tender; flavor mild and pleasant. Tree a remarkably vigorous, erect and beautiful grower, and an immense bearer. Ripen last of June and beginning of July.

**Governor Wood**—Yellow; Florence, Red; English Murillo, red tart and other leading varieties. \$2.00 each.

## Currants

(Extra Strong Plants)

Currants like good rich soil. They are particularly susceptible to scale, and steps should be taken to keep them from this by liberal spraying, when the bushes are dormant.

**Black Naples**—Fruit varies from small to large, averaging above medium; strong flavor. An old and well-known variety.



### Black Tartarian Cherries

**Cherry**—Bush vigorous, stocky and compact; cluster rather short, with short stems; fruit averages large; color fine, bright red.

**Fay's Prolific**—Not quite so strong a grower as Cherry; cluster medium to long, with rather long stems; color darker than Cherry.

**White Grape**—Clusters long; berries very large; of very attractive color; mild flavor and good quality.

All the above, 60c each; \$5.50 doz.

## Gooseberries, Blackberries, Loganberries

Gooseberries should be cultivated during the growing season and fertilized with manure in the early Spring or late Fall. They will repay you for this trouble with an extra big crop.

**Downing**—Fruit medium to large, whitish green; flesh soft, juicy. Each, 60c; \$5.50 doz.

**Houghton**—Bush a vigorous grower, with rather slender branches; very productive. Fruit medium size, pale, red, tender and good. 60c each; \$5.50 doz.

**CULTIVATED BLACKBERRIES**—Popular varieties, 25c each; \$2.00 dozen.

**LOGANBERRIES**—30c each; \$3.00 dozen.

### TREE SPRAYING, TRIMMING, ETC.

We are now in position to estimate on and execute work like ornamental tree work, tree surgery, pruning, spraying for insects and fungi diseases, cavity treatment by filling with sectional cement, the treatment of split and weak crotches and limbs by bolting and chains, and cultural treatment.



## Grape Vines

**BLACK**—Concord, King, Champion, Early Daisy, Wilder, Worden.

**WHITE**—Niagara, Diamond, Triumph, Jessica, Naomi.

**RED**—Catawba, Caco, Jefferson, Iona.

Any of the above, 50c each. Two-year-old stock, \$5.00 doz.

**GRAPE PROTECTING BAGS**—See Page 60.

## Cultivated Raspberries

(Extra Strong Plants)

Raspberries should be carefully staked to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the Fall or early Spring.

**Brilliant**—Ripens its fruit early and fast, producing bright, glossy, brilliant red berries, handsome. 30c each; \$2.50 dozen.

**Cuthbert**—Berries very large, measuring 3 inches around; conical; rich crimson. 30c each; \$2.50 dozen.

**Columbian**—Fruit very large, often an inch in diameter; color dark red, bordering on purple. 30c each; \$2.50 dozen.

**St. Regis**—Everbearing Raspberries. They yield their first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August, and continues bearing right up to November. 25c each; \$2.00 dozen.

To HAVE FRUIT TREES IN PERFECT CONDITION, SPRAY 3 TO 4 TIMES EACH YEAR.

## Peaches

Trees such as we furnish will often bear the year after they have been set out.

**Crawford's Early**—The best yellow peach; large, oblong; skin yellow, with fine red cheek; juicy; wonderfully productive.

**Crawford's Late**—Fruit of the largest size; skin greenish-yellow, with dull red cheek; flesh yellow; one of the finest late sorts.

**Elberta**—Large, yellow, with red cheek; flesh yellow; firm, juicy, of high quality. Follows Early Crawford.

**Mountain Rose**—The largest early peach. White, with red cheek; rich and very good; productive and reliable. Freestone.

**Oldmixon Free**—Uniformly large; white, covered with bright red; one of the best.

**Extra Strong Trees**, 5 to 6 feet high, \$1.25 each. We can also supply all other varieties.

## Pears



**Bartlett**—Large size, with a beautiful blush; buttery, very juicy; bears early and abundantly.

**Flemish Beauty**—Large, beautiful, juicy, melting; good bearer.

**Howell**—Large, light, waxen yellow, with a fine, red cheek; handsome, rich, aromatic flavor. An early and profuse bearer.

**Keiffer**—While not of the best quality, properly ripened it is the very best for canning and preserving.

**Lawrence**—Fruit medium, canary-yellow, sweet, good keeper.

**Le Conte**—Very large, greenish-yellow, handsome; juicy. Early.

**Rossney**—A large variety of rare merit; ripening in September.

**Worden-Seckel**—A seedling of the Seckel. Equal in quality to its famous parent, but larger; fruit keeps well.

Any of the above extra strong trees, 5 to 7 feet high, \$1.75 each. We can also supply all other varieties.

## Plums

**Abundance**—The fruit is very large, showy, and beautiful. Amber, turning to a rich, bright cherry color. Ripens in August.

**Burbank**—Medium to rather large, conical in form; orange-yellow, overlaid with red; flesh firm, meaty yellow.

**Red June (Japan)**—Vigorous and early; fruit medium to large, deep vermilion-red; very showy; flesh light lemon-yellow.

**Sultan**—Very large in size, deep purplish-crimson in color; flesh very firm, dark crimson shaded with pink.

**Wickson**—Fruit large, obconical, dark crimson-purple; flesh very firm, highly flavored; pit small. An excellent keeper.

**Wild Goose**—Large, rich, crimson; productive and profitable.

**Extra Strong Trees**, 5 to 6 feet high, \$1.75 each.

Quinces, Apricots and other fruit trees, as well as nut trees, can be furnished promptly at reasonable prices for Reliable Stock. Write for prices.



## Iris Germanica

For Parcel Post, add 5c per plant, 25c per dozen.

Nothing in the floral kingdom can equal the variety of color found in the new Germanica Hybrid Iris. They are both hardy and permanent, increasing every year at least twofold. Plant shallow, give lime or bone but avoid fresh manure.

### EXHIBITION VARIETIES

Alcazar—Light and dark violet.....	\$ .75
Caterina—Large blue bi-color.....	.50
Pansy—Light and dark mauve.....	.50
Pocahontas—White bordered blue.....	.50
Lemon Queen—Yellow, falls veined lilac.....	1.00
White Knight—Pure white.....	1.00
Wyomissing—Pale pink.....	.50

### POPULAR VARIETIES

Blue Jay—Late blue.	Nibelungen—Fawn and violet.
Egmont—Bright purple.	Fallida Dalmatica — Lavender blue.
Ilchester—Gray amber and violet.	Fatapsco — Light blue and purple.
Juniata—Tall blue.	Perfection — Light blue and violet black.
Lohengrin—Cattleya rose.	Queen of May—Rose lilac.
Loreley—Yellow and violet.	Siberica—Blue.
Mdme Chereau—White frilled blue.	Siberica—White.
Mrs. George Reuthe—White veined blue.	

Any of the above, 30c each; eight for \$2.00.

### HARDY GRASSES

For Parcel Post, add 10c per plant. 35c each; the set of three for \$1.00.

Eulalia Gracillima Univittata—Narrow green foliage, 3 ft.
Eulalia Japonica Variegata—Striped white and green, 5 ft.
Eulalia Japonica Zebrina—Green barred yellow, 7 ft.

### HARDY PERENNIAL PLANTS

For Parcel Post, add 10c per plant.

Anthemis—1½ ft. Yellow daisies in June and again in October.
Aster, New England—5 ft. Violet blue flowers in September.
Aster Tartaricus—6 ft. Lavender blue flowers in October.
Funkia Lanceolata—1½ ft. Lavender flowers in September. Does well in shade.
Golden Glow—7 ft. Double yellow flowers in July and August.
Hemerocallis Flava—2½ ft. Yellow flowers in June. Called also "Lemon Lily."
Sedum Spectabile—2 ft. Pale green foliage, light pink flowers in September.

25c each; \$2.50 dozen.



# HEADQUARTERS FOR INSECT DESTROYERS, ETC.

Directions for Using Any of the Following Will Be Found on Each Package or We Shall Be Pleased to Give Information by Mail or Otherwise

All Prices Subject to Change.

LIQUIDS AND POISONS CANNOT BE MAILED.

All Prices Subject to Change.

**ANSECT (Rose Bug Destroyer)**—Dilute one part in 30 parts of water. Do not spray in bright sunlight. Gal. \$6.00; ½ gal. \$3.25; qts. \$1.75; pts. \$1.00; 4 oz. 30c.

**ARSENATE OF LEAD (Powdered)**—1 lb. 40c; \$1.20 per 4 lbs.; 8 lbs. \$2.35; 100 lbs. \$27.50.

**ARSENATE OF ZINC (Powder)**—1 lb. 40c; 4 lbs. \$1.20; 8 lbs. \$2.35; 100 lbs. \$27.50.

**ATOMIC SULPHUR**—1 lb. 30c; 5 lbs. \$1.00; 10 lbs. \$1.75; 25 lbs. \$3.25; 50 lbs. \$5.00; 100 lbs. \$9.00.

**BEE BRAND INSECT POWDER**—Kills all kind of bugs. Can be used in garden and house, on poultry and animal, etc. Pkg. 15c, 35c and 70c, postpaid. Duster for same, 15c.

**BLACK FLAG INSECT POWDER**—Best for all kind of insect pest in house and garden; three sizes. 15c, 25c and 50c, postpaid.

**BLACK LEAF 40**—Per 1 oz. bottle 35c; \$1.25 per ½ lb.; 2 lbs. \$3.50; \$13.50 per 10 lbs.

**B. T. S. A LIME SULPHUR SOLUTION IN POWDER FORM**—1 lb. 25c; 5 lbs. 90c; 10 lbs. \$1.60; 25 lbs. \$3.15; 100 lbs. \$10.00.

**BORDEAUX ARSENATE OF LEAD (Paste)**—1 lb. 40c; 5 lbs. \$1.75.

**BORDEAUX MIXTURE (Dry Form)**—Per lb. 30c; 4 lbs. \$1.00.

**BUG DEATH**—Used on potatoes, cucumbers, squash and currants, powerful insecticide. Per lb, 20c; 3 lbs. 40c; 5 lbs. 60c; 12½ lbs. \$1.40; 100 lbs. \$9.00.

**CALCIUM ARSENATE**—For potato bugs. 1 lb. 40c; 5 lbs. \$1.50; 10 lbs. \$2.75; 25 lbs. \$7.00.

**CARBON DI-SULPHIDE**—For insects which attack roots of trees, grapes, etc. Also good against moles. 75¢ per 1-lb. bottle.

**DY-SECT**—This is a very efficient insecticide. We recommend it highly for Rose Bugs, Beetles, Curculio, Aphids (Plant Lice), Thrip Leaf Hopper, Green Fly, Red Spider and all other insects that infest plant life. 4 oz. 30c; pt. \$1.00; qt. \$1.75; ½ gal. \$3.25; gal. \$6.00. Diluted with water from 30 to 50 times, according to directions.

**DRY-TOMIC**—Same as Atomic Sulphur but in powder form. 4 lbs. 60c; 8 lbs. \$1.10; 200-lb. barrel, \$26.50.

**FISH OIL SOAP**—30c per lb.; 5 lbs. \$1.25; 25 lbs. \$4.75; 100 lbs. \$15.00.

**FORMALDEHYDE**—A valuable solution for the farmer, best thing for dipping potatoes to prevent scab, invaluable for killing weevil in grain, fine as a household disinfectant (Liquid). Price, 1 lb. bottles, 65c; 5 lb. bottles, \$2.25; 9 lb. bottles, \$3.25.

**GRAPE DUST**—For mildew and blight. Per 5 lbs. 75c.

**HALL'S 40% FREE NICOTINE (Liquid)**—For greenhouse spraying or vaporizing. It is Nicotine in the free state—the quickest and deadliest form, the best for greenhouse use. It may be used for either spraying or fumigating. In either case it kills plant lice and similar insects every time. In either case it is easy to handle and very economical. 8-lb. tins, \$15.00; 2-lb. tins, \$4.25; ½-lb. tins, \$1.40.

**HELLEBORE**—Per ¼ lb. 25c; 40c per ½ lb.; 1 lb. 70c; \$3.00 per 5 lbs.

**HALL'S NICOTINE FUMIGATOR**—(Free Nicotine in Powder Form). A fumigating powder saturated with Free Nicotine. Rids the greenhouse of plant lice and similar insects. It lights quickly, burns evenly and will not go out. No waste—every particle is consumed. A measuring dipper comes in each tin. One dipperful produces 7,000 cubic feet of deadly Nicotine fumes. Nine dipperfuls fumigate a 30 by 200 ft. greenhouse for only 75 cents. 10-lb. tins, \$8.50; 2½-lb. tins, \$2.50; 1-lb. tins, \$1.25.

**HALL'S 40% NICOTINE SULPHATE**—(Liquid). For spraying fruit trees, truck crops and flower gardens. Kills plant lice and similar insects every time. Being a vegetable extract it will not harm fruit, vegetable, flower or plant. Diluted with from 800 to 1,000 parts of water it makes a deadly spray costing less than 2 cents a gallon. It may be combined with Arsenate of Lead, Lime Sulphur, Bordeaux Mixture and oil emulsions. 10-lb. tins, \$13.50; 2-lb. tins, \$3.50; ½-lb. tins, \$1.25; 1-oz. bottles, 35c.

**KAYLOX**—Is an insecticide and fungicide combined in powder form, it mixes readily with water, is very effective against all leaf eating insects.

½ Pound Makes	5 Gallons Spray	.....	\$ 0.30
1 Pound Makes	10 Gallons Spray	.....	.55
5 Pounds Makes	50 Gallons Spray	.....	2.50
10 Pounds Makes	100 Gallons Spray	.....	4.50

**KEROSENE EMULSION (Liquid)**—60c per qt.; per gal. \$1.75.

**LEMON OIL INSECTICIDE**—Per ½ pt. 35c; 60c per pt.; qt. \$1.00; 1.75 per ½ gal.; gal. \$3.00; \$12.00 per 5 gal.; 10 gal. \$22.50.

**LIME SULPHUR**—Per qt. 40c; gal. \$1.00; \$3.75 per 5 gals.; 10 gals. \$6.00; 50 gal. bbl. \$10.00. Barrels can be returned, in good condition, up to August 1st, i. o. b., our store, at \$2.00 each.



**MELROSINE**—When the roses bloom again. The rose-bug will come, too, in uncounted millions, to destroy your finest blooms. But you can protect your rose gardens from this pest and save your roses by using MELROSINE it kills rose bugs. The only effective rose-bug remedy keeps indefinitely. It is most inexpensive to use, as it costs less than 25 cents per gallon when diluted for use. No garden can afford to do without this protection, which is an insurance against the ravages of the rosebug, as well as the minor insect pests. Price, trial can 50c; pint can \$1.00; quart can \$1.75; half-gallon can \$3.25; gallon can \$6.00. Sent by express at purchaser's expense.

**PARA DICHLOROBENZENE or CRYSTAL GAS**—Controls peach borers, use in June and September, 1 oz. to each tree. 1 lb. 50c; 5 lbs. \$2.00; 10 lbs. \$3.50; 25 lbs. \$7.50; 50 lbs. \$14.00.

**Pyrox** is the best and most convenient all around insecticide which we offer, death to all chewing insects on Vegetable, Fruit Trees, Berries and also Flowers (Paste Form). Price, 1 lb. 50c; 5 lbs. \$1.75; 10 lbs. \$3.00; 25 lbs. \$6.25; 50 lbs. \$10.75; 100 lbs. \$17.00; 300 lbs. \$48.00.

**NICO-FUME (Liquid)**—¼ lb. 75c; \$2.25 per lb.; 4 lbs. \$3.00; 8 lbs. \$15.00.

**NICO-FUME TOBACCO PAPER**—Per box 24 sheets, \$1.25; \$5.50 per 144 sheets; 288 sheets, \$10.00.

**PARIS GREEN**—Per ¼ lb. 20c; ½ lb. 30c; 1 lb. 55c; 2 lbs. \$1.00; 5 lbs. \$2.40. Price subject to change.

**SODIUM FLUORIDE INSECTICIDE POISON**—Kills cockroaches, waterbugs, ants, croton bugs and lice on poultry. Small size, 35c (postpaid, 40c); large size, 60c (postpaid, 70c).

## Scalecide—The Tree Saver

One gallon of "Scalecide" will spray as many trees as 3½ gallons of Lime-Sulphur Solution. Dilute for all dormant spray work 1 part to 15 parts of water. 1 qt. 60c; 1 gal. \$1.40; 5 gals. \$6.25; 10 gals. \$10.60; 15 gal. drums, \$13.50; 50 gals., bbl., \$38.00. Last two F. O. B. factory, New Jersey.

**SLUG SHOT**—Per lb. canister, 20c; 50c per 5 lbs.; 10 lbs. \$1.00; \$2.35 per 25 lbs.; 100 lbs. \$8.75. Barrel lots in bulk (250 lbs.) 8½c lb.

**SULPHATE OF COPPER**—Per lb. 25c; \$2.00 per 10 lbs.

**SULPHUR CANDLES**—15c each; per doz. \$1.50.

**SULPHUR (Flowers)**—Per lb. 15c; 5 lbs. 60c; 10 lbs. \$1.00; 25 lbs. \$2.25; 100 lbs. \$6.00.



**SULFOCID**—Valuable for rust, mildew and red spiders on roses, hollyhocks, etc. 1 pt. 60c; 1 qt. 90c; 1 gal. \$2.25.

**SULPHOR TOBACCO SOAP**—Destroys insects on plants and animals. Pkt. 15c and 25c; 1 lb. 40c, postpaid.

**CALCIUM CYANIDE**—Sure death to ants, moles and rats. Easiest and cheapest fumigator for green houses, will absolutely destroy all greenhouse pest. Per lb. 60c. Not mailable.

**THANATOS**—For all soft-bodied insects. ½ pt. 35c; 1 pt. 60c; qt. \$1.00; gal. \$3.50.

**TOBACCO DUST (Special, Dusting or Fumigating)**—10c per lb.; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.50.

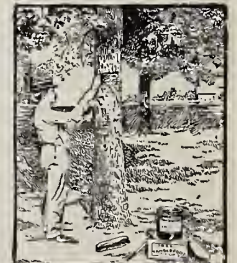
**TOBACCO STEMS**—Per lb. 5c; 50 lbs. \$1.50; 100 lbs. \$2.50.

**WEED KILLER**—For cleaning gravel paths, drives and gutters of weeds, moss, etc. 1 qt. 50c; 1 gal. \$1.50; 5 gal. \$6.00; 10 gal. \$11.00; ½ bbl. averaging from 25 to 30 gal. 70c gal.; 1 bbl. averaging 50 gal. 65c gal.

**TREE TANGLEFOOT**—Per lb. 60c; \$2.75 per 5-lb. can; 10 lbs. \$5.25; 25 lbs. \$11.00.

**TREE WOUND PAINT**—Qt. 85c; gal. \$2.50.

**INSECT BAND**—Saves the trees, keeps down all crawling insect pests; easy to apply; fits any kind or size tree. Price of 15-foot roll, 50c, postpaid.





# M. & S. Spraying Apparatus



## Jim-Dandy Sprayer

Adapted for spraying most anything of a liquid nature. To operate, simply work plunger handle slowly; one stroke will cover a large area and no liquids wasted. Capacity two quarts. Parcel post weight, 4 lbs. Price, \$3.50 each.

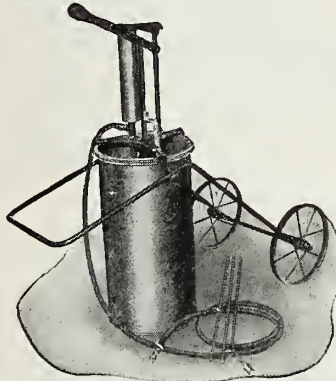
## The Paragon Sprayer

Excellent for applying whitewash or cold water paint, or any spray material.

No. 1—Equipped with a 5-gal. reservoir, 10 ft. of hose and 2 extension pipes, 1 straight spray nozzle, 1 mist nozzle; like illustration. Price, \$17.50.

No. 3—Equipped with a 12-gal. tank mounted on a truck, three 2½ ft. extension pipes, 2 nozzles and 10 feet of hose. \$25.00; without truck, \$21.50.

Paragon Bucket Spray Pump—Must be seen to be appreciated. Price, \$7.50.



No. 3 Paragon Sprayer.

## Spray Hose

Spray Hose, ½ inch, best made, all rubber. 18c per ft. Postpaid. ½ inch clamps for same, 5c each; 50c dozen. Postpaid. ½ inch Hose Couplings, 25c pair. Postpaid.

## Auto Sprayer No. 5



AUTO SPRAYER No. 5

A high pressure, yet light and durable sprayer, made entirely of brass. It is double acting, produces a continuous spray and works from bucket, barrel, tank or creek. May be obtained with brass or galvanized knapsack. It is equipped with four nozzles of special design for long distance, solid stream, fine spray and fan-shaped spray. Also 2½ feet ½-inch hose and iron extension with strainer attached, which fits in bucket.

It is used for spraying trees, shrubs, field crops, washing automobiles, windows, handling whitewash, disinfectants and general purposes. Shipping weight, 5 lbs. Auto-Sprayer No. 5, Pumps, Hose Nozzles and Strainer...\$4.50 With Galvanized Tank .....\$7.50 With Brass Tank .....10.50

## Auto Sprays Nos. 9 and 2

Latest improved compressed air sprayer, equipped with a brass screw cap. The metal in the tank is locked seamed, well riveted, soldered inside and out. May be obtained with brass or galvanized tank. Brass tank is strongly recommended as it will not corrode. Capacity of No. 9, three and one-half gallons, capacity of No. 2 one and one-half gallons. Weight of No. 9, packed for shipment, ten pounds. Weight for No. 2, six pounds.

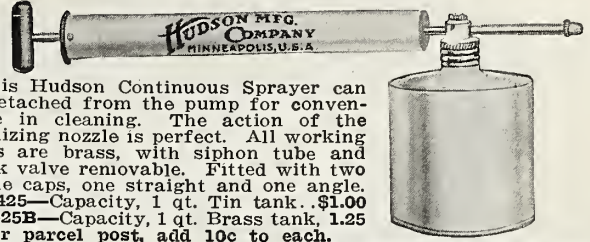
Auto Spray No. 9-B, brass tank...\$9.25  
Auto Spray No. 9-D, galvanized tank 6.25  
Auto Spray No. 2-B, brass tank.... 3.00  
Auto Spray No. 2-D, galvanized tank 5.50

## B. D. Sifter and Dickey Duster

B. D. Sifter—See illustration. Also used for applying Bug Death and other powder insecticides. Parcel Post weight 3 lbs. Price, 65c.

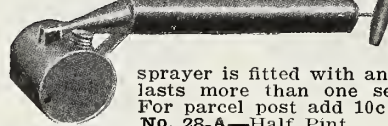
Dickey Duster—Made of tin; used for applying Bug Death. P. P. wgt. 2 lbs. Price, 45c.

## HUDSON CONTINUOUS SPRAYER



This Hudson Continuous Sprayer can be detached from the pump for convenience in cleaning. The action of the atomizing nozzle is perfect. All working parts are brass, with siphon tube and check valve removable. Fitted with two nozzle caps, one straight and one angle. No. 425—Capacity, 1 qt. Tin tank, \$1.00 No. 425B—Capacity, 1 qt. Brass tank, 1.25 For parcel post, add 10c to each.

## AUTO SPRAYER No. 28



A strong atomizer made of heavy tin used for all light spraying and disinfecting. The pump of the sprayer is fitted with an oil treated leather cup that lasts more than one season, made in three sizes. For parcel post add 10c to each size.

No. 28-A—Half Pint .....\$ .35  
No. 28-B—Pint ..... .45  
No. 28-C—Quart ..... .50

## HUDSON PERFECTION SPRAYER

The Perfection is built like a steam boiler, with all seams riveted and soldered to withstand high pressure and is tested under actual working conditions before it leaves the factory. Tank is either of heavy galvanized or brass sheets, capacity 4 gallons. Pump is brass, mounted inside the tank, and removed by hand for cleaning, inspection, etc. Nozzle is automatic and operates perfectly under all pressures. Packed for shipment in heavy fibre carton; shipping weight, 11 pounds.

No. 110G—Perfection, Galvanized Tank. Price, each .....\$6.50  
No. 110B—Perfection, Brass Tank. Each .....\$9.50

No. 114G Hudson Jr.—2½ gal. cap. Galvanized. Parcel post weight, 9 lbs. \$5.50  
2 ft. Extension Rods for either three—Brass, 60c; Galvanized ..... 40c



Hudson Perfection Sprayer

## HUDSON BARREL PUMP

The Hudson Barrel Pump is adapted for any work requiring a high-pressure outfit. It may be used in the orchard and vineyard, in the truck garden, potato, onion or melon field, in the stock barn, cattle pen and chicken house, or for general work around the house and yard. It is strong and durable, and will easily maintain a working pressure of 200 pounds.

No. 4A—Pump complete with 12½ feet of ½-inch spray hose and ideal angle spray nozzle, 4 ft. extension rod and brass shut-off, as illustrated. Shipping weight, 45 pounds. Price, each...\$15.00

## MAGIC BUCKET SPRAY PUMP

This pump is also very popular for use with stock dips and similar remedies, for garden work, washing buggies, autos, windows, etc., and in an emergency as a fire pump. Nozzle is adapted to all kinds of solutions and all classes of work. Will throw a solid stream when two-hole disc is removed.

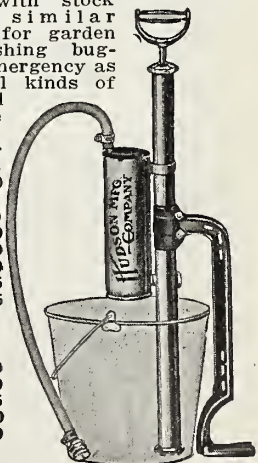
Standard Package—One in heavy corrugated carton; shipping weight, 6 lbs. No. 124—Magic Spray Pump. Each \$5.00

## NOZZLES

No. 176—Perfection Shut-off Nozzle, \$1.50  
No. 136—Bordeaux Nozzle ..... 2.00  
No. 164—Double Fog Nozzle ..... 3.00  
No. 64—Double Ideal Nozzle..... 2.50  
No. 145—Simplex Nozzle ..... .75  
No. 168—Fog Nozzle ..... .75

## BAMBOO SPRAY POLE

Not available. Express only.  
No. 42—8 ft. Price with stop cock. \$3.60  
No. 44—10 ft. .... 3.90  
No. 46—12 ft. .... 4.25  
No. 175—4 ft. iron pipe extension.. .80  
No. 149—Leakless shut-off ..... 1.00





# M. & S. SPRAYING APPARATUS—Continued



## M. & S. MASON JAR POWDER BLOWER —

Fine for all insecticide in powder form. Parcel Post weight, 3 lbs. Price, \$1.00.  
**RUBBER PLANT SPRINKLERS**—They can be used for sprinkling plants, cut flowers, etc., also for dampening clothes and carpets, and for disinfecting purposes.

No. 28a—8 oz. angle neck. See Fig. 3. \$1.00.  
 Parcel Post weight, 1 lb.  
 No. 28—Straight neck. See Fig. 2. \$1.00  
 Parcel Post weight, 1 lb.  
**UTILITY DUSTER**  
 No. 170—The Utility Duster will handle successfully Arsenate of Lead, Arsenate of Calcium, Paris Green, Lime-Sulphur and similar mixtures in dry form. They made be applied at any time of the day, on plants while wet or dry. It is so designed that a steady and uniform delivery is maintained and one or two rows may be treated at one time as fast as a man walks.  
 Packed one in a carton complete. Shipping weight, 8 lbs.  
 No. 170 Utility Duster, price \$12.00.

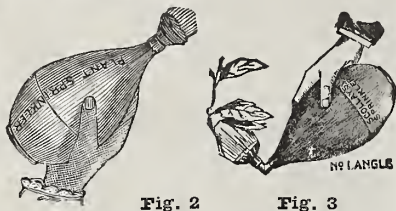
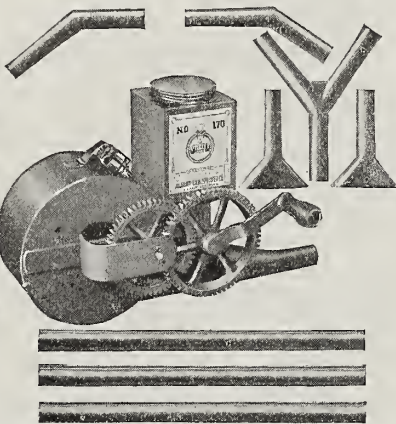


Fig. 2 Fig. 3



**M. & S. POWDER BELLOWES No. 600**—Strong and serviceable, for Paris Green and other preparations. Parcel Post weight, 3 lbs. Price, \$1.50.  
**WATERING CANS**—Made of heavy galvanized iron, removable rose. 4 qt. 65c; 6 qt. 75c; 8 qt. 90c; 10 qt. \$1.00; 12 qt. \$1.25; 16 qt. \$1.50.  
**LONG SPOUT WATERING CANS**—Equipped with two copper faced roses, one fine, one coarse, with each can. Can shaped round, made of heavy galvanized iron.  
 Same as above with oval can and handle in opposite direction.  
 8 qt. \$5.00  
 10 qt. 5.50  
 12 qt. 6.00

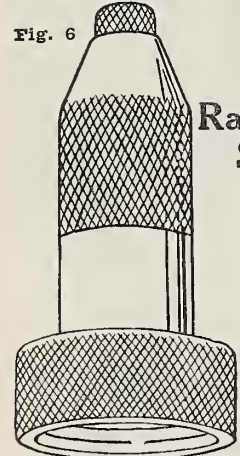


Fig. 6

## Rainbow Lawn Sprinklers

Rainbow Sprinklers run on a hard fibre washer which absorbs water and eliminates all wear and tear. Covers area 40 to 50 feet, throws wonderful spray, revolves fast on any pressure. No repairs, no leaks. Price, \$3.00, postpaid.

**REVOLVING SLED STAND SPRINKLER.** Fig. 5. Price, \$3.00, postpaid.

**STANDARD REVOLVING STICK STAND SPRINKLER** — 36 in. long, wonderful for gardens. Price, \$3.00, postpaid. Fig. 4.

**RAINBOW HOSE NOZZLE**—The perfect nozzle. No leaks, nothing to wear out, full stream, fine spray, soft stream, positive shut off. Price, 85c, postpaid. (See figure 6.)

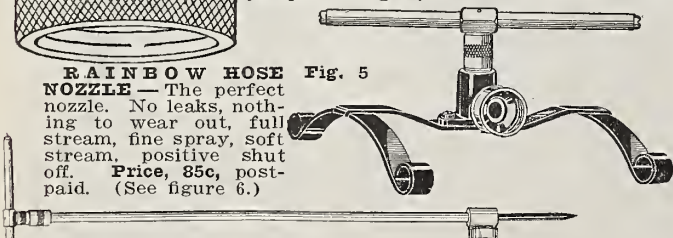


Fig. 5

Fig. 4



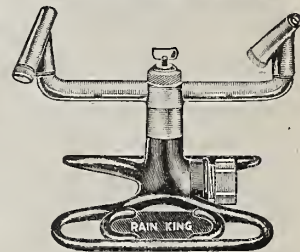
## Fountain Sprinkler

Made of Heavy Brass.

Easily moved over the lawn without turning off the water. The mist-like spray is a veritable "thing of beauty." Price, \$1.00, postpaid.

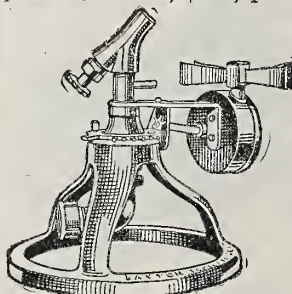
The Rain King is a real sprinkler—built for work. Stationary or revolving. Absolutely nothing to get out of order. Free from the faults common to the average run of sprinklers. Price, \$3.50, postpaid.

## The Rain King



## R. I. P. Sprinkler

Only one moving part; will not clog nor corrode; non-friction graphite bearings; runs on low water pressure. Price, \$1.00, postpaid.



## Half Fountain Sprinkler

Same as illustration; can be easily moved, while sprinkling, without operator getting wet. Price, 85c, postpaid.



## Dayton Sprinkler

**Dayton Sprinkler—Type A** This Sprinkler is adjustable at will from bell-shaped spray or full stream, half or full circle, 15 to 80 feet in diameter. It covers four times the area of any sprinkler its size. Instead of spraying in a continuous circle, it sends the water in one direction and slowly rotates, thus covering every inch of ground evenly. Price, \$3.00, postpaid.

## Rubber Hose, Reels, Menders, Etc.

**M. & S. SPRAYER NOZZLE**—Sprinkles like a watering can. \$1.25.  
**HOSE MENDERS (Sure Shot)**—15c each; \$1.75 per dozen.  
**HOSE COUPLINGS**—Brass, regular size, 25c per pair.  
**HOSE WASHERS**—Rubber, regular size, 10c per dozen.  
**HOSE BANDS**—For 3/4, 1/2 and 1/2-inch hose. 5c each; 50c per dozen.  
**HOSE NOZZLES**—Combined solid stream and spray, 80c each. (Boston.)  
**RAINBOW NOZZLE**—See Fig. 6. 85c.  
**HOSE REELS**—Victor all steel cap; 75 ft. Price, \$2 50. (Figure 1.)

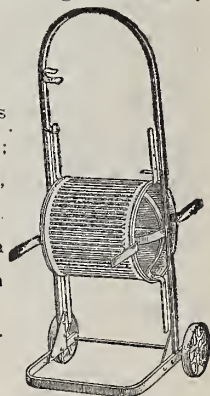


Fig. 1

## Tubular Hose Reel

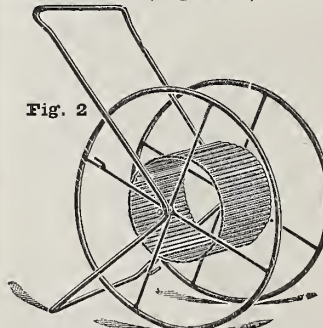


Fig. 2

(Figure 2.)  
 No. 10—Capacity, 100 feet. Price, \$4.00.  
 No. 20—Capacity, 150 feet. Price, \$5.00.

## Whipcord Moulded Braided Garden Hose

The hose we offer is the best. It is guaranteed not to break.  
**WHIPCORD**—Continuous length braided 3/8 in. hose. We can furnish any lengths. We can highly recommend this hose, 15c per foot any length without couplings. Furnished also in 1/2 inch, 1c per foot less, and 3/4 inch, 1c per foot more.  
 25 feet coupled \$4.25  
 50 feet coupled 8.00  
 100 feet coupled 16.00

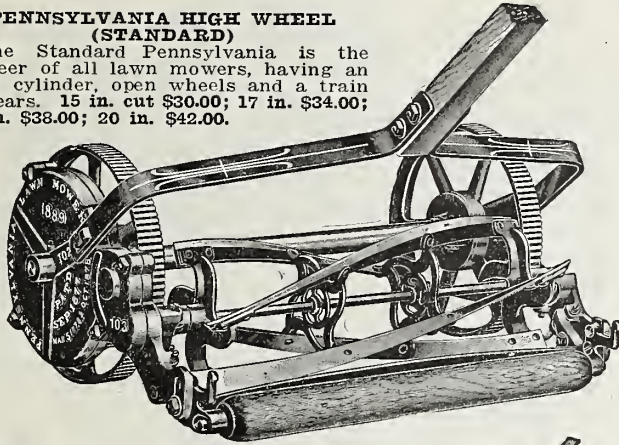
**WIXOM GARDEN HOSE**—5-ply, coupled in 50 ft. lengths. Price, \$7.00; 25 feet, \$3.75.



# M. & S. RELIABLE LAWN MOWERS, ETC.

## PENNSYLVANIA HIGH WHEEL (STANDARD)

The Standard Pennsylvania is the pioneer of all lawn mowers, having an open cylinder, open wheels and a train of gears. 15 in. cut \$30.00; 17 in. \$34.00; 19 in. \$38.00; 20 in. \$42.00.

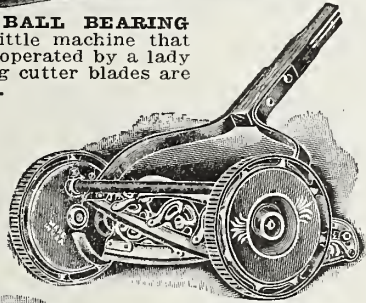


**M. & S. "COLONIAL" BALL BEARING LAWNMOWER**—A grand little machine that runs so easy that it can be operated by a lady or child. The four revolving cutter blades are made of the finest material.

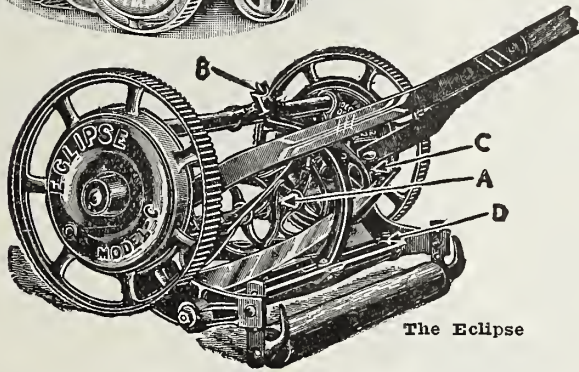
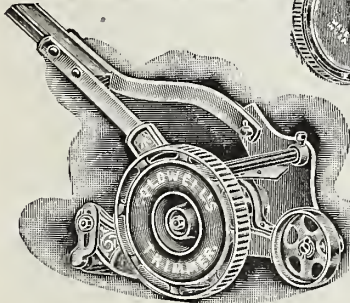
### PRICES:

12 in. \$10.00; 14 in. \$11.00; 16 in. \$12.00.

### Coldwell Lawn Trimmer



**COLDWELL'S LAWN TRIMMER**—Excellent for trimming around flower beds, shrubbery and walks. Revolving cutter is 6 inches and cuts within 1/4 inch of side construction. Price, \$11.25.



The Eclipse

### ECLIPSE BALL BEARING

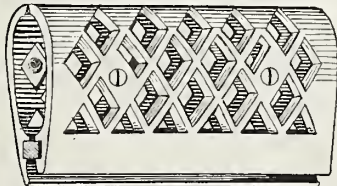
The Eclipse Self-Sharpening Lawn Mower "the machine with no bad features"—The Eclipse is a strong, durable, handsome machine in which simplicity is the keynote. Has ten-inch drive wheels, six-inch four blade reel, flat spring steel clutches, crucible steel blades, the strongest frame and best hard maple handle and roller in any lawn mower.

The Lever Adjustment for bringing the stationary blade up to the revolving blades is so simple that a child can do it. No troublesome set screws or bolts to operate—no tools needed—just two thumb nuts do it.

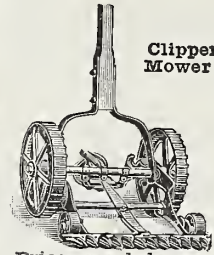
14 in. cut \$21.50; 16 in. \$22.50; 18 in. \$23.50; 20 in. \$25.50.

### M. & S. LAWN MOWER SHARPENER

Can be adjusted for any thickness of blade and when properly set will give a uniform bevel, the sharpener following the twist of the knife. It will also sharpen the under blade or dead knife. Price, 75c each, postpaid.

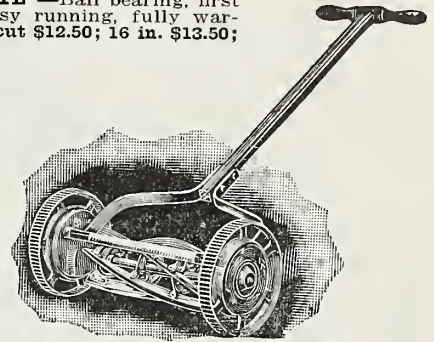


**M. & S. "INTERSTATE"**—Ball bearing, first class, high wheel. Easy running, fully warranted. Prices—14 in. cut \$12.50; 16 in. \$13.50; 18 in. \$14.50.



Clipper Mower

Price, see below.

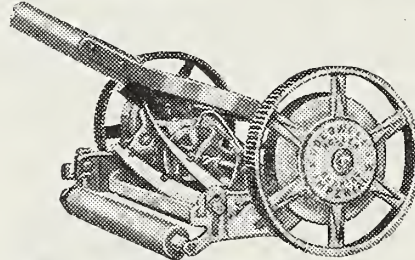


M. & S. Interstate

### COLDWELL'S IMPERIAL ROLLER BEARING

Lightest Running — Strongest Built. Wheels—10 1/4 inch. Blades—Five. Bearings — Standard Hyatt Roller. Gears — Triple-pawl ratchet. Material and Finish—Highest class.

Prices: 16 in. \$19.00; 18 in. \$21.00; 20 in. \$22.00



**M. & S. SWIFT CUTTER**—A low-priced machine for small grass plots, not ballbearing, fully guaranteed.

Prices: 12 in. cut \$7.00; 14 in. \$8.00; 16 in. \$9.00.

**COLDWELL'S IMPROVED HORSE LAWN MOWER**—This well known standard mower has side draft attachment that enables the horse to walk on the cut grass only, and caster rollers which will not mark the lawn. Complete with seat and shaft.

Price: 30 in. \$117.50; 35 in. \$135.00; 40 in. \$152.50.

**PONY MOWER**, 25-inch cut, equipped with single tree only. Price, \$77.50.

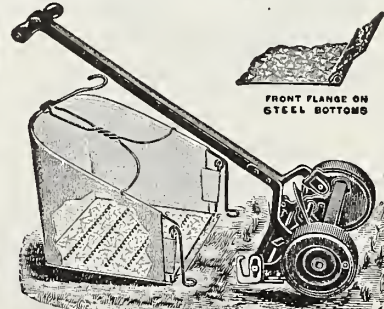
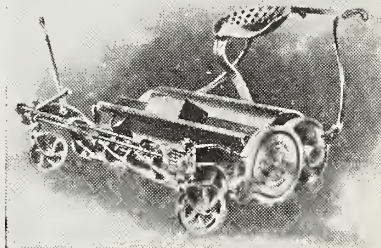
**OIL CANS**— Filled with oil, 15c and 25c.

We Repair and Sharpen Lawn Mowers

**HORSE BOOTS**, Set of four, \$15.00.

**THE "CLIPPER" MOWER**— There are three things that tend to destroy your lawns—dandelions, buck plants and crab grass. In one season the Clipper will drive them all out. 12 in. cut \$12.00; 15 in. cut \$14.00; 18 in. cut \$16.00; 21 in. cut \$18.00.

## Coldwell's "Improved" Horse Lawn Mower



M. & S. Easy Grass Catcher.

### M. & S. EASY EMPTYING CANVAS GRASS CATCHER

Designed to fit any size or style of mower and can be attached or detached in a moment. Made of strong canvas and galvanized iron bottom. To fit any mower, 12 to 18 inch, \$1.50. Parcel post weight 5 lb.

**ECONOMY GRASS CATCHER**— A good make, but lighter than the Easy, construction similar, fits any mower from 12 to 17 inches. Price, \$1.00. Parcel post weight, 5 lbs.



## Everlastic Rubber Roofing

Look at the label before you buy! If the label reads "Barrett Everlastic Roofing" you are perfectly safe. You are sure of a moderate-priced roof that will give many years of satisfactory service.

Medium—108 sq. ft., width 3 ft., guar. 10 yr. \$2.50  
Heavy—108 sq. ft., width 3 ft., guar. 15 yr. 3.00

## Mineral Surfaced Roll Roofing

Everlastic—Red, Green or Blueblack. Weight 90 lbs. \$2.50.

Vitex—Red or Green. Weight 75 lbs. \$2.25. Both 108 sq. ft. 3 ft. wide.

Prices on Roofing Subject to Change Without Notice.

## Barrett Liquid Elastigum

Barrett Liquid Elastigum is a cement in liquid form that gives new life to old roofs. It forms a tough, impervious coating over the entire roof, closing cracks and small holes that would otherwise admit moisture, thus making the roof practically one solid piece and, as far as utility goes, almost as good as new. It spreads readily and any one can apply it. Price, \$1.25 per gal.; 5 gal. \$4.00.

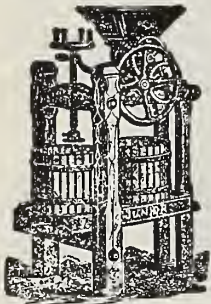


## Cider Mills, Wine or Berry Presses

Prices Subject to Change

Cider Mills—Made of best quality wood, carefully bolted and finished.

Single Cage Mill—Weight, 140 pounds. Price, 20.00.



Cider Mill

Junior — Capacity, 2 to 4 barrels per day, \$29.00.

Medium — Capacity, 6 to 8 barrels per day, \$33.50.

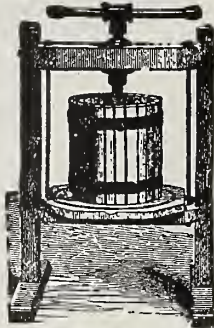
Senior—Capacity, 6 to 12 barrels per day, \$50.00.

Wine, or Berry Presses:

No. 1—Capacity, 1 peck, \$8.00.

No. 2—Capacity, 2 pecks, \$10.00.

No. 3—Capacity, 4 pecks, \$16.00.



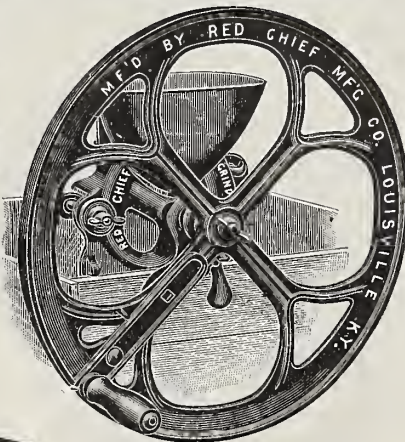
Wine Press

## "Red Chief" Grinding Mills

No. 1—For Small Poultry Raisers. Price, \$4.00.

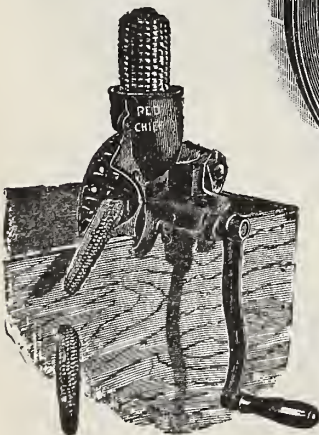
No. 5—With large capacity, feed gauge and fly wheel. Clamps to box. Price, \$7.75.

No. 10—With feed gauge, fly wheel and handsome stand to screw on table. Price, \$9.50.



## "Red Chief" Corn Sheller

This sheller is guaranteed to do good work. It is heavy in construction, with patent oval-shaped teeth which are so arranged to shell more rapidly and avoid injuring the grain, thus making it safe for shelling seed corn. Adjusts itself to any size ear. Price, each \$2.75; weight, 12 pounds.



"Red Chief" Corn Sheller

## Juicy Fruit Press



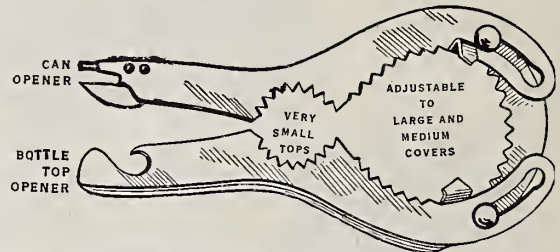
A wonderful press for Fruits, Grapes, Lard, Jellies, etc.

Special Feature—All parts coming in contact with Fruit Juices are tinned with Pure Block Tin.

Press must be seen to be appreciated as it is in a class by itself.

Size.	Price.
3 quarts (Fig. 1).....	\$5.25
6 quarts .....	6.50
8 quarts (with stand).....	8.00

## "Sure Grip" Adjustable Jar, Bottle and Can Opener



OPENS EVERYTHING IN JARS, BOTTLES AND CANS

Needed in every home. In use the year 'round. Adjustable to all sizes of jars, bottles and cans. Price, 25c, postpaid.

## Ideal Power Lawn Mowers

There is an Ideal Mower for every lawn mowing requirement:

The 22-inch Junior, which cuts one-half acre hourly.

The 30-inch, which cuts three-fourths acre hourly.

The 34-inch Triplex with three thirty-inch cutters, which cuts from 3 to 4 acres hourly, and is for vast areas of lawn, such as golf fairways.

The 18-inch special Power Putting Green Mower, which saves 50% over the hand method of mowing golf putting greens.

Then there is also the Ideal Power Lawn Sweeper.

Complete information on any or all, including prices, on request.



Fig. 2

## Rat Traps

Victor Rat Traps—10c each; post-age 5c.

Victor Mice Traps—3 for 10c; post-age 5c.

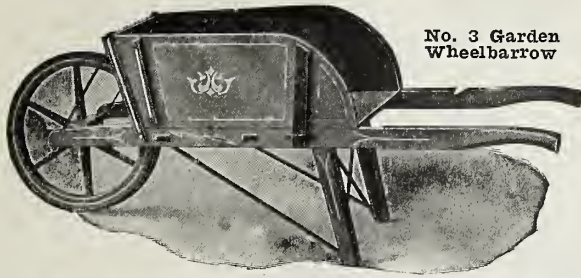
Wire Cage Rat Traps—The kind that catches them alive. \$1.00 each, postpaid.

The Faultless Rat Trap—This trap will catch and kill them every time. 50c each. Parcel Post weight, 1 lb.





# M. & S. LAWN AND GARDEN ACCESSORIES



No. 3 Garden Wheelbarrow

No. 3 Wheelbarrow, for Garden and Farm Use—A durable, neat garden barrow. Size of body, 26 in. long, 19 in. wide in front, 22 in. wide at back. Sideboards, 27 in. long, 12 in. high; handles, 4 feet 9 inches long; 2x1½ in. wheel; 20 in. diameter; 6 spokes. Price, \$7.50; set up, \$8.00.

## THE "OUT-U-KUM" WEED PULLER

An Entirely New Principle

A slight Push and Pull thoroughly loosens the surrounding soil and removes not only the weed, but the entire root.

When pushed into the ground, the two points guide the BRIDGE down alongside the weed, loosening the soil from that side. It then crosses under the root disengaging the latter. As the tool is withdrawn the BRIDGE slips up the opposite side of the weed, loosening the ground from that side and engages the head of the weed above the ground. The now thoroughly loosened weed is readily withdrawn in its entirety with little or no clinging soil.



Price, 75c. Parcel post weight, 2 lbs.

## "Tro-Weed"



A BOON TO GARDENERS, FLORISTS, GREENHOUSEMEN

A Combination Garden Tool — Trowel Weeder—Transplanter. Price, 40c. Parcel post weight, 2 lbs.

Asparagus Knife — Which makes a fine weeder as well. Fig. 17. Price, 40c. Weight, 1 pound.



Fig. 17

kicker; no complicated parts; will last a lifetime. Price, \$1.75, postpaid.



Erado Weeder—Used with Liquid Weed Killer. Parcel post weight, 3 lbs. Price, \$1.00.



Fig. 18. Thistle and Dock Cutter—Fig. 18. Price, \$1.50.

"Dandelion" Spuds—A practical weeder; long handle. Price, 25c.

No. 215 Good, Strong 7-Inch Trowel—Fig. 23. Price, 25c. Parcel Post weight, 1 lb.

No. 217 Transplanting Trowels—Fig. 19. 6 inch. Weight, 1 lb. Price, 25c.

Cleveland Weed Puller—Fig. 19. Valuable for extracting weeds from the lawn. A great back saver. Price, \$1.00. Weight, 4 lbs. Long Handle Grass and Weed Sickle—Fig. 25. Light, strong, durable. The blade 13 in. long, 2¼ in. wide at the heel, is made of crucible steel, oil tempered and sharpened to a razor edge. Weight, 2 lbs. Price, \$1.25.

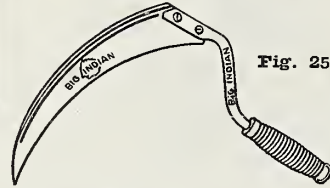


Fig. 25

Grass Hooks or Sickles Can be taken apart very handy. No. 1—Best grade. Parcel post weight, 2 lbs. 75c.



No. 3—Medium grade. Parcel post weight, 2 lbs. 60c.



No. 4—Good all-round grade. Parcel post weight, 2 lbs. 50c.

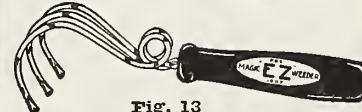


Fig. 13

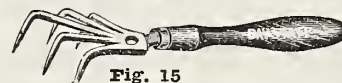


Fig. 15



Fig. 21



Fig. 22



Fig. 23

Bureka Garden Weeder—Fig. 11. 50c. Parcel Post weight, 1 lb. Same with 2-ft. handle, 60c. Parcel Post weight, 2 lbs.

Garden Fork or Weeder—Fig. 20. 50c. Wgt., 1 lb. Garden Fork—Similar to above. 25c. Wgt., 1 lb. Fig. 20

Dibbles, or Planting Pegs—Bent wood handle. 65c. Weight, 1 lb. Fig. 20.

Dibbles—D. Handle. 75c.

No. 211 Steel Shank Trowel—Best trowel made. 75c. Parcel Post weight, 2 lbs. Fig. 21.

Excelsior Weeder—Five teeth. Fig. 15. Price, 20c. Weight 1 lb.

No. 212 One-Piece Trowels—50c. Fig. 22. P. P. weight, 2 lbs.

Magic "EZ" Weeder—Fig. 13. No. A—Price, 15c. Parcel post weight, 1 lb. No. D—Large size, 4-tined with hoe or scraper on back. Price, 45c. Parcel post weight, 2 lbs.



FIG. 11



Fig. 20



Fig. 19.





# THE "LITTLE WONDER" HEDGE AND LAWN TRIMMER



## Illustrating Top Cuts with 30-Inch and 40-Inch Models

30-Inch .....	\$19.75	Lawn Clipper Attachment for converting Hedge Trimmer to Lawn Trimmer .....	15.00
40-Inch .....	25.00	40-Inch Electric Hedge Trimmer .....	89.00
60-Inch—Two-Man Machine .....	30.00	60-Inch Electric Hedge Trimmer .....	96.50
30-Inch Lawn Clipper .....	\$30.00		
40-Inch Lawn Clipper .....	35.00		

Weight of machines from 10 to 15 pounds, according to size and attachments. Shipping weight, 25 pounds. 30 in. and 40 in. sizes may be sent by parcel post.

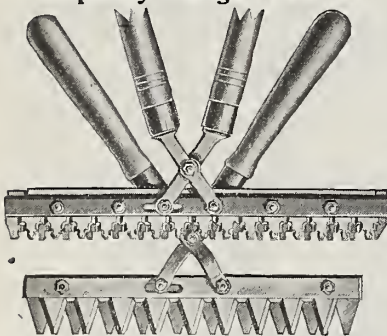
### For Fresh New Growth Only Simplicity Hedge Trimmer

With these tools you can actually do as much work in one hour as you formerly did in four hours with the old style pruner or lopping shears.

**Simplicity** cuts both opening and closing. Think of it! What a time and energy saver this is, with each complete movement of your hands you save 20 jolting, blistering and tiresome wacks the old pruner or lopping shear way.

It seems to work almost automatically and you must actually try it to realize how easy it works.

With its perfect balance and only three-pound weight, besides **Simplicity's** sixteen-inch width, it has 31 big safe, keen fluted teeth, cutting cleanly both when opening and closing.



### Simplicity Hedge Pruner and Trimmer

For Pruning Back Old Growth and Trimming New

The **Simplicity Pruner and Trimmer** can also be used for trimming with excellent results. Many home users have chosen it to do all their trimmings.

**Simplicity** is made of the Finest High-Grade Carbon Steel and will give you long service and satisfaction.

Pruner and Trimmer, \$7.50, postpaid; Trimmer, \$5.00, postpaid.

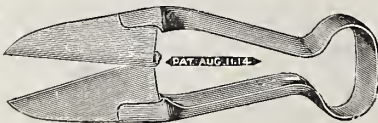
### Sure-Klip Grass and Sheep Shears

All **SURE-KLIP** Shears are equipped with two little blade locks, one on each blade, making it impossible for the blades to slip under each other; they are just the proper size to keep perfect adjustment and increase their efficiency.

No. 11—5½-inch blade, trowel shank, high-grade, tempered cutlery steel. Price, \$1.00, postpaid.

No. 12—5½-inch blade, trowel shank, bright finished cold rolled steel, case hardened. Price, 75c, postpaid.

No. 14—5½-inch blade, trowel shank, bright finished cold rolled steel. Price, 50c, postpaid.



## M. & S. Water Ballast Lawn and Tennis Court Rollers

The proper roller for most any occasion; fill it with water or sand, which will weight it any number of pounds desired. Handle always in position ready for use; roller axle bearings. You can make it as heavy or as light as you wish. The drum can be filled with an ordinary garden hose, when through for the season pour the water out and the roller is easy to put away.

	Diam. In.	Length In.	Weight		Price.
			Empty Lbs.	Filled with Water Lbs.	
No. 601 .....	14	24	60	...	\$17.00
No. 602 .....	18	24	75	330	20.00
No. 603 .....	24	24	110	440	23.00
No. 604 .....	24	32	115	...	26.00

**Cast Steel Roller Bearing Lawn Roller**—To raise a velvety, thick lawn and keep it so the lawn-roller is a great aid. In the spring, after a season of freezing and thawing, the ground becomes uneven and porous, and receding, from the grass roots. No. 501—Diam. 15 in., 2 sec., weight 175 lbs., length 15 in., \$18.00. No. 504—Diam. 20 in., 2 sec., weight 250 lbs., length 20 in., \$23.00. No. 507—Diam. 20 in., 2 sec., weight 300 lbs., length 24 in., \$27.50. **Horse Lawn and Field Rollers and Other Size Hand Rollers**—Prices furnished upon application.

### Hand Pruning Shears

No. R-95. 10 inch—The best made, has adjusting nut and regulating ratchet, made after the French pattern coil spring and wheel type. Weight, 2 lbs. Price, \$3.75.

No. 110. 8 inch—This shear designed with two cutting edges, has tremendous strength best for long hard use and positive cutting. Weight, 2 lbs. Price, \$3.00.

No. R-35. 8½ inch—Full polished. Double flat brass spring kind. Weight, 2 lbs. Price, \$2.50.

No. R-70. 9-inch—Like illustration, with adjusting nut and regulating ratchet, steel blades of extra quality steel.

Price, \$1.50. Parcel Post weight, 2 lbs.



No. 50

No. R-65. 9 inch—Like above, but highly polished. Weight, 2 lbs. Price, \$1.75.

No. 50. 9 inch—A good pruner; weight, 1 lb. 90c.

No. 14. 6 inch—Ladies' pruner, full polished, \$1.25. Parcel post weight, 1 lb.

**Solid Steel Hedge Shears**—12 in. All equipped with notch; the notch is very useful in heavy trimming or lopping. Handles bolted on, cannot come apart. Parcel post weight on all hedge shears, 3 lbs.

8-inch .....	\$2.25
9-inch .....	2.50
10-inch .....	2.75
12-inch .....	3.50

**Ladies' Hedge Shears**—5½ inch cut. Price, \$1.50. Parcel post weight, 2 lbs.

**Godwin's Grass Shears**—

Fig. 18. These Grass Shears are constructed on an entirely new principle. They allow the operator to hold them in any easy natural position (as shown in engraving), thereby relieving strain which accompanies the use of the old model shears. They are made of high grade steel, and will give quicker and better service. Price, \$2.00. Parcel post weight, 2 lbs.

**Lawn Shears, Imported**—Two wheels, 9-inch blade, long handle for cutting on narrow borders, under fences and shrubs. Price, \$6.00. Parcel post weight, 5 pounds.

**Border Shears**—Same as above, but the blades are shaped vertical for trimming borders. Price, \$6.00. Parcel Post weight, 5 pounds.

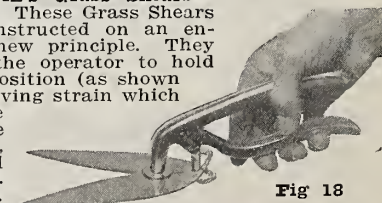


Fig 18



# M. & S. PRUNING TOOLS, ETC.

No. 11 Budding Knife. Spey blade or budding blade, ivory handle. Price of either, 90c, postpaid.

## Rhodes Double-Cut Lopping Shears

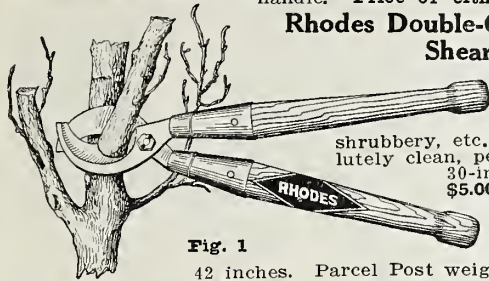


Fig. 1

42 inches. Parcel Post weight, 10 lbs. Price, \$6.50.

Fig. 1. For trimming trees, bushes, heavy shrubbery, etc. Makes an absolutely clean, perfect cut; 26 and 30-in. handle. Price, \$5.00. Parcel Post weight, 5 pounds. Extra Heavy—For brush and dehorning cattle.

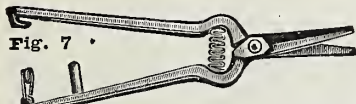


Fig. 7

Grape and Flower Shears—Fig. 7. Very useful. Price, 50c each. Parcel Post weight, 1 lb.

Pruning Saws—Made of the very best material, either double or single cutting edge, \$1.75. Fig. 8. Weight, 2 lbs.

## "McKenney Pruner"

Made in two sizes: No. 1 and No. 2. The No. 1 cuts limbs up to 1 inch in diameter.

The No. 2 cuts limbs up to 1½ inch in diameter. Splendid for dehorning young cattle.

	Weight.	Length.	Price.
No. 1	2 lbs.	23-inch.	\$4.50
No. 2	5 lbs.	30-inch.	6.00

"Keen Kutter" Pruning Shears—Curved blade and hook. Forged steel; polished and tempered, ratchet tightening knot; extra heavy and long steel ferrules; handles riveted through ferrules and tang; 24-inch hardwood handles. Price, \$2.50. Parcel post weight, 4 lbs.

Draw Cut Pruning Shears—Made of best material, very strong and clean cutting. No. 5400—24-in. handle, \$3.25. No. 5401—22-in. handle, \$3.00. Parcel post weight on both, 5 lbs.

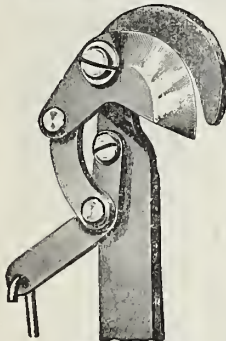
"KEEN KUTTER" TREE PRUNER—Made of best material. 10 ft. Price, \$2.50; 12 ft. \$2.75. Express or freight only.



Fig. 24

Jointed Pole Tree Trimmer—Fig. 24. 12 feet long, can readily be transformed to 3 foot trimmer; made of the best material; very strong. Price, \$4.50. Parcel Post weight, 8 lbs. Extra blades, 40c each.

No. 1 Tree Trimmer—No. 1 has a compound lever head and is made with a hook and side lever. It is calculated for light and heavy work and will cut a limb up to 1¼ inches in diameter. 6 and 8 ft., \$3.75; 10 and 12 ft., \$4.00; 14 and 16 ft., \$4.25. Express or freight only.



No. 1 Head in Detail.

## The Rhodes Double-Cut Hand Pruner

The finest cutting pruner made. Solid tool steel. Piano wire spring insuring long life. Catch used on our Hand Shear cannot pinch the hand or lock while in use. Made in one size; length, 5 inches. Price, \$4.50, postpaid.



Fig. 8

Parcel Post Weight, 1 lb. on any of the three listed. Regular Thermometer—Nicely finished. Price, 75c.

Self-Regulating Hothouse Thermometer—Best grade. \$6.00.

Hotbed Thermometer—Brass point. Fig. 8. Price, \$2.25.

Wire Fruit Pickers—To be adjusted to long pole. 40c each. Weight, 2 lbs.

## The Rhodes Double-Cut Pole Pruner

Light and strong. A necessity in every orchard. Pole, 10 feet long. Fig. 25. Price, \$8.50 Express or freight.

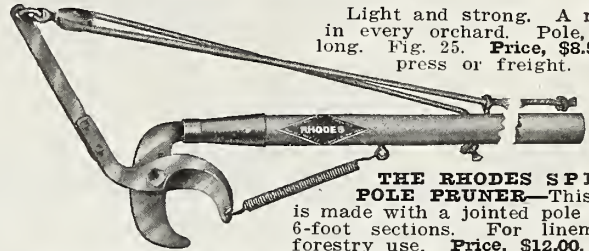


Fig. 25

THE RHODES SPECIAL POLE PRUNER—This Pruner is made with a jointed pole of three 6-foot sections. For limemen and forestry use. Price, \$12.00.

THE RHODES POLE PARAGON PRUNING SAW—For cutting large limbs high up; adjustable to any angle; 10-foot pole. Price, \$4.00. Express or freight.

Pruning Knife, No. 1—Wood handle. \$1.10, postpaid.

Saw and Budding Knife Combined, No. 100—Very useful. \$1.25, postpaid.

Pocket Knife, No. 24278—Double blade; spey and budding; bone handle. \$1.25, postpaid.

No. 57, Pocket Knife—2 blades; pruning and budding; horn handle. Price, \$1.25, postpaid.



Fig. 8

## Flexible - but doesn't crack or break



Cello Glass—The great substitute for glass much stronger and lighter than glass. Can be used wherever glass is used. 300 square feet to the roll. 3 feet wide, cut any size, from 3 square feet up. Price, 39c a running foot; for postage, 10c per foot, 1c for each additional foot.

Full roll, 100 running feet, \$37.00; parcel post weight, 33 lbs.

GRAFTING WAX—¼ lb. 15c; ½ lb. 25c; 1 lb. 40c.

Hot Bed Sash—Made to hold either 24 or 28 8x10 panes. These sashes are grooved so that the panes slide in and butt one against the other. \$2.50 each. Price subject to change. Express or freight.

Hotbed Mats—Burlap covered, 40x76 size, covers one sash. \$2.00 each; 76x76, covers two. \$3.00 each. Price subject to change. Express or freight.

Hotbed Glass—Box of 90 panes, 8x10. \$3.00. Price subject to change. Express or freight.

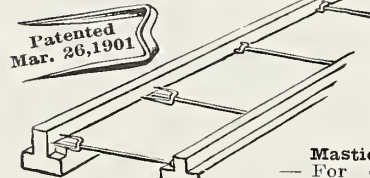
Putty Bulbs—For applying liquid putty. Fig. 22. Price, \$1.35. Parcel Post weight, 1 lb.



Fig. 22

## "PEERLESS" GLAZING POINT.

(Improved Van Keyper.)



Patented Mar. 26, 1901

Putty—Semi-liquid. For bedding-glass in sash and filling cracks or seams in roof joints or frames of hotbed or greenhouses. Gallon, \$2.50. Weight, 18 lbs.

Peerless Glazing Points—The finest glazing points on the market. Per box of 1,000, 75c. Parcel Post weight, 1 lb.

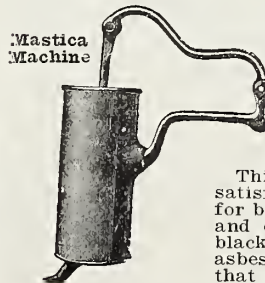
## Mastica Machine

For distributing mastica, etc. Made of heavy zinc. Price, \$2.75 (by mail, 10c extra).

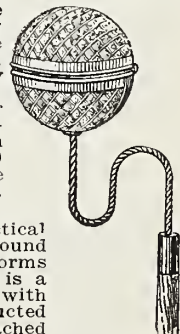
Mastica—For glazing greenhouses. One gallon will cover about 300 running feet. One gal. \$2.25. Wt. 18 lb.

## ASBESTOS TORCH

This is the most practical satisfactory device yet found for burning caterpillars, worms and other tree pests. It is a black tinned ball, filled with asbestos fibre, so constructed that it can easily be attached to any pole. Dip the torch in



kerosene and light. 60c, post-paid, 70c.



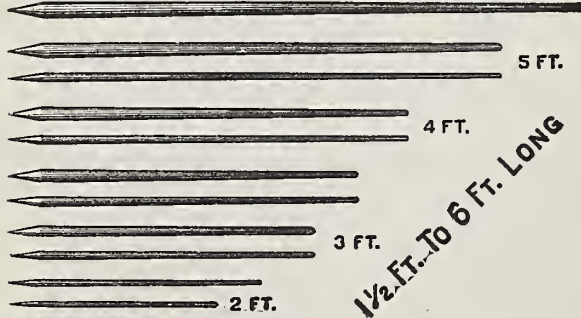


# M. & S. HORTICULTURAL AND GARDEN SUPPLIES

## Pot and Tree Labels—Painted

Width.	100	P. P. Wt.	500	1000	P. P. W.	per 1000
4 x 5/8 in.	\$0.30	1/2 lb.	\$1.00	\$1.70	3 lbs.	
5 x 5/8 in.	.35	1/2 lb.	1.25	2.10	4 lbs.	
6 x 5/8 in.	.40	3/4 lb.	1.50	2.50	5 lbs.	
10 x 5/8 in.	.75	1 lb.	3.50	5.80	10 lbs.	
12 x 5/8 in.	.90	2 lb.	3.75	7.00	12 lbs.	
8 x 7/8 in.	.75	2 lb.	3.50	6.50	9 lbs.	
10 x 7/8 in.	1.00	2 lb.	4.25	8.00	10 lbs.	
12 x 1 1/8 in.	1.25	3 lb.	6.00	11.00	12 lbs.	
3 1/2" Copper Wired	.35	1/2 lb.	1.40	2.30	4 lbs.	

### GREEN PAINTED ROUND PLANT STAKES



### HEAVY PLANT STAKES

3 ft., Heavy or Dahlia.	Each 12c.	Per doz. \$1.15.	Per 100 \$8.60
4 ft., Heavy or Dahlia.	Each 15c.	Per doz. \$1.55	Per 100 \$11.40
5 ft., Heavy or Dahlia.	Each 20c.	Per doz. \$2.25.	Per 100 \$14.60
6 ft., Heavy or Dahlia.	Each 25c.	Per doz. \$2.50.	Per 100 \$17.90
P. P. Wgt., Per Doz., 3 ft., 3 lb.; 4 ft., 5 lb.; 5 ft., 7 lb.; 6 ft., 9 lb.			

### LIGHT PLANT STAKES

1 1/2 ft., Light, each 3c;	dozen 25c;	100 \$1.50.
2 ft., Light, each 4c;	dozen 40c;	100 \$2.30.
2 1/2 ft., Light, each 6c;	dozen 60c;	100 \$4.10.
3 ft., Light, each 8c;	dozen 75c;	100 \$5.40.
Parcel Post Weight, Per Dozen, 1 1/2 ft., 1/2 lb.; 2 ft., 1/2 lb.; 2 1/2 ft., 1 lb.; 3 ft., 1 1/4 lb.		

### BAMBOO PLANT STAKES

	Dozen.	100	1000
2 ft., painted green	\$0.15	\$0.75	\$6.50
3 ft., painted green	.20	1.10	9.00
4 ft., painted green	.25	1.50	12.00
6 ft., not painted	.30	2.00	14.00

## Pointed Floral or Hyacinth Stakes

Used for Staking Hyacinths, Tulips, Etc. Dyed Green.

	Price, Doz.	Price, 100	Price, 1000
12 inch	\$0.05	\$0.30	\$2.25
18 inch	.08	.50	3.00

Special Prices to Florists in 1,000 Lots.



Extensively used for shipping, starting seeds and seedlings in frames and hot-houses.

## NEPONSET WATERPROOF PAPER FLOWER POTS

	Per Doz.	Per 100.	Per 1,000.		Per Doz.	Per 100.	Per 1,000.
2 1/4 in.	\$0.08	\$0.50	\$3.75	4 in.	\$0.25	\$1.25	\$9.00
3 in.	.15	.70	5.75	5 in.	.30	1.75	14.00
3 1/2 in.	.20	1.00	7.25	6 in.	.40	2.50	18.50

Dozen and 100 lots, postpaid; 1,000 lots, add 25c.

### FIBRE SAUCERS AND ROLLING STANDS

These can be depended on not leaking; finished in mahogany			
Diameter.	Each.	Doz.	Diameter.
5 in.	\$0.40	\$3.90	12 in.
6 in.	.42	4.20	14 in.
7 in.	.45	4.50	16 in.
8 in.	.47	4.90	18 in.
10 in.	\$0.55	\$6.00	19 in.

All Postpaid.

### WIRE STAKE TIE (Buschard's)

For fastening plants to stakes, either wire or wood; can be used many times. 1,000 ties in a package. Price, \$2.50.

### WIRE VEGETABLE CRUTCHES

3 foot	\$0.55	\$4.00
4 foot	.75	5.50
5 foot	.95	7.25

If wanted by Parcel Post add 10% for postage.

## Flower Pots, Stakes, Etc.

### N. Y. STYLE CEDAR TUBS.



The New York style tree tubs are made of seasoned selected Virginia white cedar, and are trimmed with specially designed metal feet, extra heavy flat steel hoops and liberal-size metal handles. These tubs are painted with the best oil paints—a handsome green on the outside and dark gray inside. Hoops, handles and feet trimmed in jet black.



### New York Style.

Size.	Top Diameter Inches.	Bottom Diameter Inches.	Depth Finished Inches.	Price Each.	Weight Each Pounds.
No. 1	12	9 3/4	10 5/8	\$2.40	9
No. 2	13	10 3/4	12 3/4	3.00	13
No. 3	14 1/2	12 7/16	14 3/4	3.75	15
No. 3 1/2	16 1/2	14 1/2	15 3/4	5.00	18
No. 4	19 7/16	17 1/4	16 5/8	5.50	21
No. 5	22 7/16	20 1/4	18 3/4	7.00	26

### Richmond Style.

The Richmond Style tree tubs are made of seasoned selected Virginia white cedar, are bound with electric-welded wire hoops, galvanized, three hoops to each. The Richmond Style fills a long-felt want for a cheap type of plant tub and is being used by many large florists in the place of earth pots. These plant tubs are nicely painted with the best oil paints—a handsome green color inside and out. The tops of the staves are slightly beveled, which gives them a neat, trim finish. Has no feet or handles.

Size.	Inside Top Diameter Inches.	Inside Bottom Diameter Inches.	Inside Depth Inches.	Price Each.	Weight Each Pounds.
No. 5	10	7 1/2	9	\$0.85	3
No. 7	12	9	11	1.25	4 1/2
No. 9	14	11	13	2.00	7
No. 11	16	12 1/2	15	2.50	9

## Earthenware Flower Pots

Sent by Express and Freight Only.



	Each.	Dozen.	100.
2 in.	\$0.03	\$0.20	\$1.35
2 1/2 in.	.04	.27	2.00
3 in.	.06	.30	2.25
4 in.	.06	.45	3.25
5 in.	.09	.70	5.25
6 in.	.12	1.25	7.75
7 in.	.18	2.00	15.00
8 in.	.30	2.75	20.00
9 in.	.40	3.75	29.00
10 in.	.55	5.50	37.50
12 in.	1.00	9.50	75.00
14 in.	1.60	16.00	125.00

### EARTHEN BULB PANS

	Each.	Dozen.	100.
6 in.	\$0.12	\$1.25	\$7.75
7 in.	.18	2.00	15.00
8 in.	.30	2.75	20.00
9 in.	.40	3.75	29.00
10 in.	.55	5.50	37.50



### EARTHENWARE SAUCERS

4 in.	\$0.04	\$0.40	9 in.	\$0.15	\$1.50
5 in.	.06	.50	10 in.	.18	1.75
6 in.	.07	.65	12 in.	.30	3.00
7 in.	.10	1.00	14 in.	.40	4.00
8 in.	.12	1.25			

Prices on 1,000 Lots on Application.

## Garden Reels

Every gardener should have one of these handy reels. Straight rows add greatly to the looks of the garden. These reels are made of heavy iron, and will last a life time. Large size double reel to hold 100 feet of line.....\$3.15 Large size single..... 2.50 Via mail, either size, 25c extra.

**Twines, Etc.** Jute Twine—3-ply, 15c ball; 35c lb. Binder Twine—Standard; ball, 5 lbs. 75c. Quantity price furnished on application. Fodder Twine, or Tarred Sisal—Lb. 15c. Quantity prices furnished on application. Flow Lines—Cotton, per pair, 75c; Sisal, 40c. Weight, 2 lbs. Garden Line—150 feet of good cotton line, 35c.



## Raffia

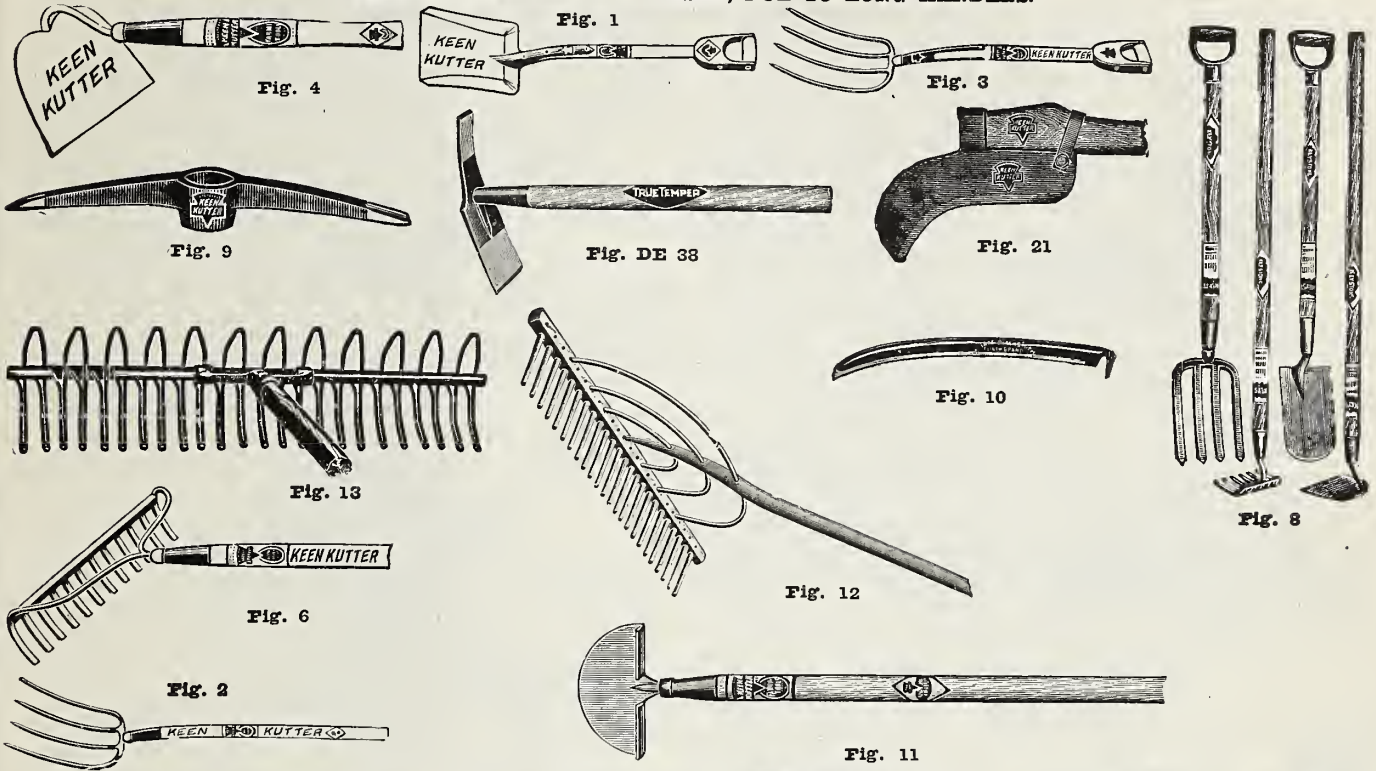
Fig. 21. For tying asparagus, and used extensively for tying roses, chrysanthemums or anything in

the garden. Price, lb. 25c. Hanks contain about 2 1/2 lbs. at 20c per lb.; 25 lbs. or more, at 18c lb. Special price on larger quantities.



# M. & S. FARM AND GARDEN TOOLS

SENT BY EXPRESS OR FREIGHT, DUE TO LONG HANDLES.



## Garden Tools, Shovels, Rakes, Etc.

- Shovel, Keen Kutter Round Point Long Handle—\$2.25.
- Shovel, Keen Kutter Sq. Point D Handle No. 3—\$2.25. Fig. 1.
- Spade, Keen Kutter D Hdle—\$2.25. Fig. 22. Long Hdle, \$2.50.
- Spade, D. Hdle. Nursery—Double strapped, \$4.50
- Forks, Keen Kutter—3-tined Hay Fork, \$1.75.
- 4-tined Hay and Manure—Long handle, \$1.75. Fig. 2.
- 4-tined Manure—D handle, \$1.75. Fig. 3. Heavy Fork, \$2.50.
- 4-tined Spading Fork—D handle. \$2.00.
- Hoes, "Keen Kutter"—Fig. 4. Crucible steel. 6½ and 7½ in., \$1.25; 1-pronged, weeding hoe, 60c; 2-pronged, 70c.
- Hoe, K. K. Eye—7½-inch blade, \$1.50, including handle.
- Pick, "Keen Kutter"—Fig. 9. Price, \$1.50; with handle, \$1.90.
- Mattock, "Keen Kutter"—Price, \$1.50; with handle, \$1.90.
- Mattock or Grub Hoe—Price, \$1.25; with handle, \$1.75.
- Grubbing Hoe, One-Piece—Extra strong. Fig. No. DE 38, \$1.50.



Fig. 22

- Mattock Hoe—Without handle, \$1.25.
- Mattock and Pick Handles—Price, 40c.
- Hoe, English Scuffle—6 in. 90c. No handle. Handle, 35c extra.
- "Keen Kutter" Ladies' and Children's Garden Tool Set—Fig. 8. Not toys, but tools that will do and stand the work. Price, \$3.00. Single tools: Shovel, 90c; Rake, 60c; Hoe, 75c; Spading Fork, \$1.00.
- Planet Jr. Edger, No. 2—Fig. 18. Made of best material, extremely simple and easy to operate. Price, \$2.00, postpaid.



Fig. 18

- "Keen Kutter" Turf, or Lawn Edger—For edging walks. Price, \$1.25. Fig. 11. See foot rest.
- Rake, "Keen Kutter"—Bow Pattern. Fig. 6. 14-tooth, \$1.50.
- Rake, "Keen Kutter"—Regular pattern, 16 tooth, \$1.25.
- Rake, Wood Leaf—Has 24 teeth. Price, \$1.25. Fig. 12.
- Potato Hook, or 4-pronged Hoe—Price, \$1.25.
- Rake, Wire Lawn—Heavily reinforced, best made, 24 teeth. Fig. 13. \$1.00; 36 teeth, \$1.75.
- Rake, Lawn—All wood, 26 teeth, \$1.00.
- Rake, Lawn—All wood, 26 teeth, self-cleaning, \$1.50.
- Bush Hook, "Keen Kutter"—Fig. 21. Price, \$2.00.
- Scythes, Grass—30, 32 and 34 inches long. Price, \$2.00.
- Scythe, Weed and Bush—18, 22, 26, 28 inches long. Price, \$2.00.
- Scythe, Grass—Imported. Best grade, \$2.25.
- Snathes—Light and heavy. Price, \$1.75.
- Whetstones—Carborundum, 35c. Talacre Stone, 25c each.
- Ax, "Keen Kutter"—Guaranteed article. \$2.25.
- Hatchets, K. K.—Half Pattern. Best quality. Each, \$1.75.
- Special Price to Florists and Gardeners.

## Norcross Cultivators and Weeders

Three sizes and prices. Fig. 14, 5-pronged, 4 ft. handle, \$1.15; 3-pronged, 4-ft. handle, 85c; "Mid-get," 9-in. handle, 45c. Weight, 3 lbs., 2 lbs., 12 oz.

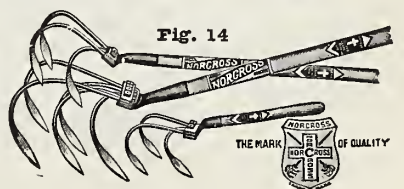


Fig. 14



## YAMADE

**JAPANESE BROOM RAKE** — An ingenious device for cleaning the debris out of a lawn or grass plot, leaving it as free from refuse as though swept with a broom. In fact, to get the best results it should be used with the motion of a broom. Made of split bamboo, rigidly secured, with a suitable length handle. Just the thing for cleaning grass clippings from walks and flower beds and borders, and from the lawn. Price, \$1.25 each; 10c extra for postage.

**HEAVIER BROOM** — Measuring 24 inch. Particularly adapted for raking leaves. \$2.50 each; 15c extra for postage.



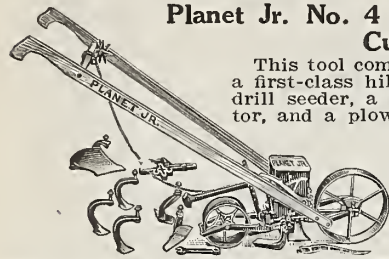
**YAMADE**  
"BROOM-RAKE"  
TRADE MARK  
PAT. APPLIED FOR



# PLANET JR. FARM AND GARDEN TOOLS

Are the greatest savers of time, labor, and money ever invented for the farm and garden. They pay for themselves in a single season in bigger and better crops, and last a lifetime. Fully guaranteed.

## Planet Jr. No. 4 Combined Seeder and Cultivator



This tool combines in a single implement, a first-class hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and sows in continuous rows, or drops in hills 4, 6, 8, 12 or 24 inches apart. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It

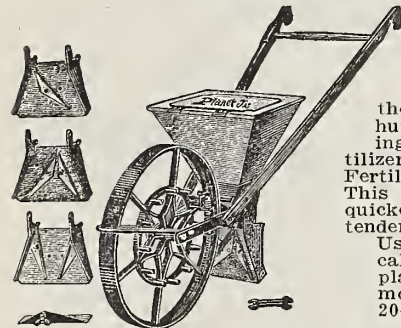
then becomes a single wheel hoe. Price, \$19.00.  
No. 4-D (As a Seeder only), \$15.00.

## No. 25 Combined Seeder, Double and Single Wheel Hoe



As a seeder this tool is the same as No. 4 described above but when used as a cultivator it can be set up either as a double or single wheel hoe. Has steel frames and straddles crops until 20 inches high. Two acres a day can easily be worked, and when it is done, it will be a better job than several men could have done in the same time with hand hoes. The most complete of the interchangeable tools. Price, \$22.50.

## No. 20-D Fertilizer Drill



Saves Fertilizer. Don't waste it by broadcasting before seeds are planted, but sow a portion of it when you sow your seed, and then, when the crop is up, hurry it along by side-dressing with a quick-acting fertilizer, and use the No. 20-D Fertilizer Drill to distribute it. This method will produce crops quicker, and they will be more tender and bring better prices. Use good fertilizer economically and feed it to the plants when they need it most with a Planet Jr. No. 20-D Fertilizer Drill.

Price, \$30.00

## No. 33 Planet Jr. Single Wheel Hoe

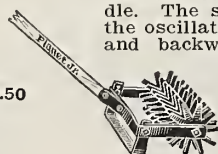


Just the thing for the family garden. Young or old will find in this tool a light-running wheel hoe that will save them hard work and help much to supply the table with fine vegetables, can be operated by a lady or child with ease. All complete like illustration. Price, \$6.00.

### 72-PAGE PLANET CATALOGUE FREE

Describes 70 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard and Beet Cultivators. Write postal for it.

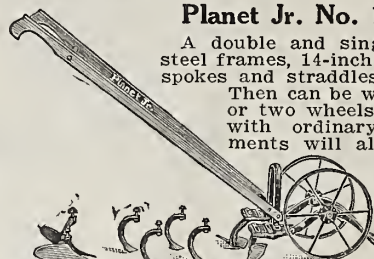
## Star Pulverizer, Weeder and Cultivator



Price, \$3.50

An improvement over the old style pulverizer. 50% lighter and very easy to handle. The star discs break up the soil and the oscillating blade—which works forward and backward—pulverizes and levels the soil, and at the same time cuts off the weeds directly beneath the surface. Can be used right after a rain to cultivate and will not leave the ground in a lumpy condition.

## Planet Jr. No. 12 Double Wheel Hoe

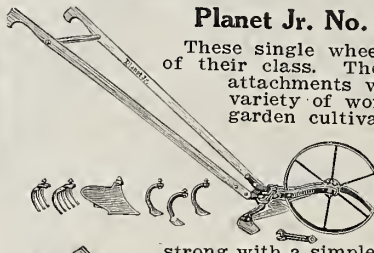


A double and single wheel hoe in one. Has steel frames, 14-inch steel wheel with heavy steel spokes and straddles crops until 20 inches high. Then can be worked between rows with one or two wheels. Does the work of six men with ordinary hand hoes. The attachments will all be found useful from the beginning to the end of the season. Price, \$11.50.

No. 11 PLANET JR.—Like the above, but in addition has one pair 4 1/2 inch hoes, two 3-tooth rakes and two 5-tooth rakes. Price, \$14.50.

No. 13 PLANET JR.—Only equipped with one pair of 6-inch hoes. Price, \$8.25. The No. 12 is the most popular tool.

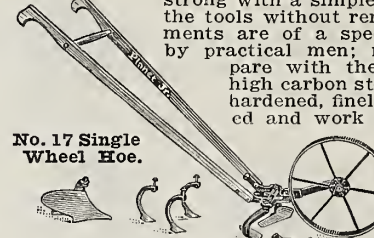
## Planet Jr. No. 16 Single Wheel Hoe



These single wheel hoes are the highest type of their class. They have a great variety of attachments which adapt them to a large variety of work, and there is scarcely any garden cultivation they will not do. Nos. 16 and 17 have the same steel wheels, frames and handles, but the attachments sold with each vary. The handles are adjustable in height. The frame is steel, convenient and

strong with a simple device by which to exchange the tools without removing the nuts. All attachments are of a special pattern, carefully tested by practical men; no others ever offered compare with them. All the steel parts are high carbon steel, oil tempered and specially hardened, finely formed, finished and polished and work to a charm. Price, \$9.50.

## No. 17 Single Wheel Hoe.



Planet Jr. No. 17 Single Wheel Hoe—Same as No. 16, but has no rakes or leaf lifter. Price, \$8.00.

No. 17 1/2 PLANET JR. Equipped with hoes and leaf lifter. Price, \$7.25.

No. 18 PLANET JR.—Only equipped with one pair 6-in. hoes. Price, \$6.00.

## No. 119 Planet Jr. Garden Plow and Cultivator



This new member of the "Planet Jr." family is equipped so completely that it will meet all the needs of the ordinary garden. It has a 24-inch wheel 1 1/2 inch wide. The plow is very strong, the cultivator tooth is good and wide, the 3-pronged Cultivator is excellent for breaking of the soil, the center tooth of same is removable, the scuffle hoe fine for weed cutting and the handles very strong and adjustable to suit adult or child.

Price, complete, \$5.25.

## "Firefly" Garden Plow



Price, \$4.25.

Very useful for small gardens. Will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice. Furrows for manure or seed can be opened and covered. Chicken raisers find it of great advantage in plowing up the scratching yards.

NOTE.—If Cash Accompanies Order, 50c May Be Deducted From Each of the Planet Jr. Tools.



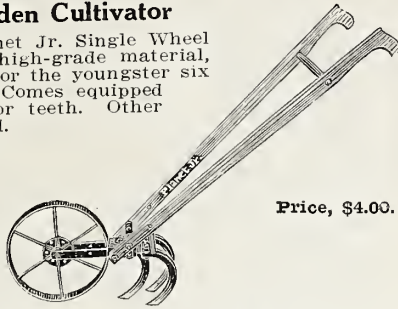
# PLANET JR. FARM AND GARDEN TOOLS

## Juvenile Garden Cultivator

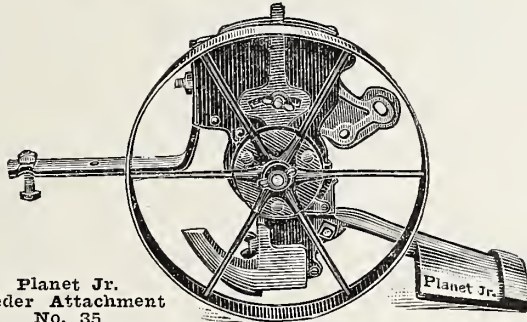
Designed after the Planet Jr. Single Wheel Hoe, made of the same high-grade material, and just the proper size for the youngster six to sixteen years of age. Comes equipped with three steel cultivator teeth. Other attachments can be added.

## The Planet Seeder Attachment No. 35

Will pay for itself in a short time because it saves seed by sowing accurately. It is very easy to operate and drills almost any kind of garden seed from the smallest up to peas and beans. It will drill a 10-cent package of seed just as accurately as a larger amount. The index is in plain view and easily adjusted. The shoe is adjustable for any depth desired and the cover swings free. Attaches to any Planet Jr. Hand Cultivator. Sent postpaid. **Price, \$6.50.**



Price, \$4.00.



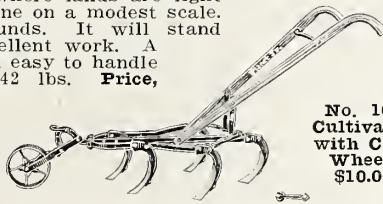
Planet Jr. Seeder Attachment No. 35

## Planet Jr. One Horse Cultivators and Harrows

### No. 100-D Planet Jr. Plain Cultivator

We offer this cultivator with the object of filling a definite need where lands are light or where farming is done on a modest scale. It weighs but 42 pounds. It will stand hard usage and do excellent work. A steady running tool and easy to handle and adjust. Weight, 42 lbs. **Price, \$8.25.**

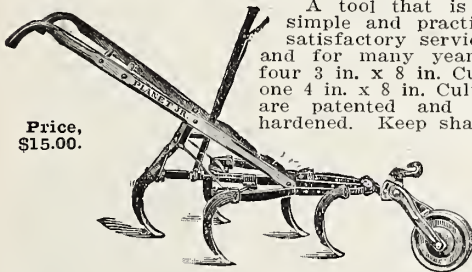
**No. 4 PLANET JR. PLAIN FIVE-TOOTH CULTIVATOR**—This popular tool has been much stiffened and improved by new patent braces and expanders. Price, with steel wheel, **\$12.50**; without wheel, **\$10.25.**



No. 100 Cultivator with Cast Wheel, \$10.00.

### No. 9 Planet Jr. Plain Cultivator

A tool that is light and strong, simple and practical, and will give satisfactory service year after year, and for many years. Equipped with four 3 in. x 8 in. Cultivator Steels and one 4 in. x 8 in. Cultivator Steel, which are patented and beveled; especially hardened. Keep sharp and add 50% to the wear. Tool is adjustable to any useful width by use of the lever expander, and every part is perfected to make the tool acceptable to the farmer who does not want to have to buy a cultivator every few years.



Price, \$15.00.

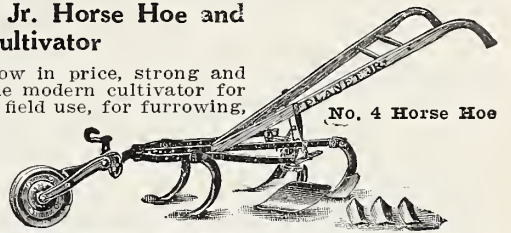
### No. 9-D Plain Cultivator

Same as the No. 9, except that it does not include the wheel, but has all the other equipment, including the lever expander. **Price, \$12.75.**

**NOTE.**—If Cash Accompanies Order, 50c May Be Deducted From Each of the Planet Jr. Tools.

## No. 4 Planet Jr. Horse Hoe and Cultivator

This tool is low in price, strong and simple. It is the modern cultivator for either garden or field use, for furrowing, covering and cultivating. **Price, with steel wheel, \$15.00; without wheel, \$12.75.**



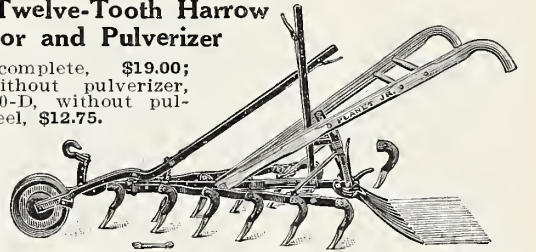
**No. 9 PLANET JR. HORSE HOE AND CULTIVATOR**—Identical with the above, but has lever expander. **Price, with steel wheel, \$16.75; without wheel, \$14.50.**

**No. 7 PLANET JR. HORSE HOE AND CULTIVATOR**—Same tool as No. 4 and No. 9, but is also equipped with depth regulating level wheel. **Price, \$18.25.**

## Planet Jr. Twelve-Tooth Harrow Cultivator and Pulverizer

No. 90, complete, **\$19.00**;  
No. 90-B, without pulverizer, **\$15.75**; No. 90-D, without pulverizer or wheel, **\$12.75.**

The chisel-shaped teeth on this tool go as deep or shallow as you like, close to row, without injuring plants, cut out all weeds, stir the soil and mellow and fine it as with a garden rake. Any width from 12 to 32 inch. The wheel won't clog; the pulverizer leaves the ground in perfect condition for seeding or plant setting.



### Planet Jr. Cultivator Teeth.

1 1/4 x 8 in. Steels.....	\$0.17	1 1/4 x 10 in. Steels.....	\$0.20
1 3/4 x 8 in. Steels.....	.21	1 3/4 x 10 in. Steels.....	.25
2 1/4 x 8 in. Steels.....	.24	2 1/4 x 10 in. Steels.....	.28
3 x 8 in. Steels.....	.27	3 x 10 in. Steels.....	.35
4 x 8 in. Steels.....	.33	4 x 10 in. Steels.....	.40

"Planet Jr." 7-inch Hind Shovel, 40c; "Planet Jr." 8-inch Hind Shovel, 45c.

## Single, Double and Triple Trees

Made of White Oak, painted. 26- and 28-inch single tree, **\$1.30**; 30-inch, **\$1.50**; 36-inch double trees, **\$1.60**; 3-horse evener, **\$3.00**; open links, 25c each.

**U-Bar Steel Double and Single Tree, complete.** 36" Double and 26" Single Trees, **\$3.00 per set.**

## Oliver Pattern Wood and Steel Beam Plows

	Wood Beam Plow	Steel Beam Plow	Shares	Slip Shares	Lands	Mould-boards	Wood Beams
No. A	\$10.50	\$10.50	\$0.35	\$0.45	\$0.60	\$2.00	\$2.75
No. B	12.75	12.75	.40	.....	.85	2.65	3.00
No. 10	16.00	16.00	.55	.70	.90	2.85	3.00
No. 13	18.00	18.00	.65	.80	1.15	3.75	3.25
No. 19	19.50	19.50	.70	.85	1.25	4.00	3.65
No. 20	21.00	21.00	.80	.95	1.30	4.30	3.90
No. E	24.00	24.00	.80	.95	1.30	4.75	4.10
No. 40	24.00	24.00	.85	1.00	1.30	4.75	4.35

In ordering, mention "Wood" or "Steel" beam, right or left-hand.

Prices for plows include extra Share and Wrench. The following are extra: Wheel, complete, **\$2.00**; Jointer, complete, **\$4.50**; Steel Beam Jointer, **\$4.50**. State if Wood or Steel Beam.

**ROLLING COULTERS**—12 in. **\$6.00**; 13 in. **\$6.25**; 14 in. **\$6.50**. Handles, complete, for Wood Beam, A to 10, **\$2.05**; 13, **\$2.20**; 19 to 40, **\$2.75**.

Single Handles, 85c each. Rounds, 20c a pair. Bolts for Mouldboard, Landside, Shares and Jointers, 5c each. We can also furnish the "Syracuse" and other leading plows and the repairs. Prices will be furnished upon application.

## SHOVEL PLOWS

Single Shovel Plow, **\$4.50**. Double Shovel Plow, **\$5.00**. Triple Shovel Plow, **\$7.25**. Blades for same, 16c lb.



# M. & S. HAND SEEDERS AND MISCELLANEOUS SUPPLIES

## Flower Boxes

**Success Flower Boxes**

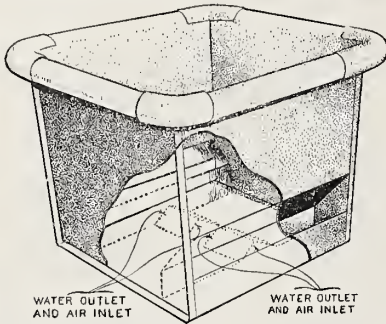


The Success Plant Box is made of strong galvanized iron, neatly enameled in dark green. It is so constructed that the watering is easy, the drainage ample, the air circulation perfect.

The Success Box is made with a water pocket on one side at the bottom. This Leading from it, into the box itself, are openings to convey the water to the soil. To prevent these openings from clogging up a roof-shaped piece of metal extends from the pocket openings to the center of the box, at the bottom.

The pocket is simply filled with water and the soil takes it up. Or, water is poured in the usual way on the top of the soil and the pocket takes care of the surplus. The water outlet also forms an air inlet, conveying the air to the center of the soil, where it distributes to every part.

Plants thrive wonderfully in these boxes. For window or porch use they are ideal, as, unless excessively over-watered, there is no drip. No staining of paint or disfiguring in any way.



	Length Inches.	Width Inches.	Depth Inches.	Weight Pounds.	Each.
Flower Boxes....	24	8½	6¼	6	\$1.50
Flower Boxes....	30	8½	6¼	7	1.75
Flower Boxes....	36	8½	6¼	8	2.50
Flower Boxes....	42	8½	6¼	10	3.25
Plant Tubes....	10	10	8¼	4	1.75
Plant Tubes....	12	12	8¼	5	2.00
Plant Tubes....	14	14	8¼	6	2.50

### Brackets for Window Boxes

No.	For setting on sill.....	Per Pair.	Pounds.
No. 1	For setting on sill.....	\$0.80	3
No. 2	For hanging under sill.....	1.00	3
No. 3	For the porch rail.....	.50	1

## Pop Corn

There is hardly a home in the country during winter where popping of corn is not a pastime. Not all Pop Corn is the right kind for popping. What we offer can be relied upon for planting or popping.

White Rice—Lb. 15c. Special price in quantity.

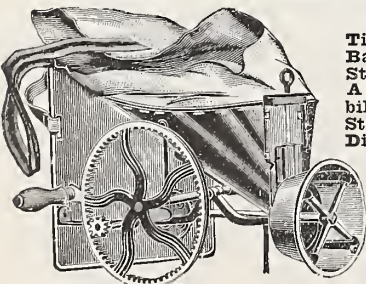


**Sheet-Iron Corn Popper**

Parcel Post weight, 2 pounds. Price 50c.

M. & S. All Wire Corn Popper—25c. Parcel post weight, 1 lb.

## Cahoon's Broadcast Seed Sower



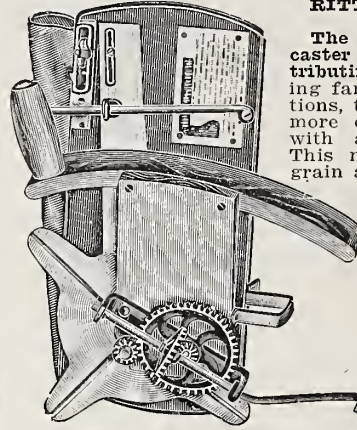
For sowing Grasses, Clover, Timothy, Millet, Oats, Wheat, Barley, Rye, Buckwheat, etc. Standard Seeder of the World—A Model for Accuracy and Durability—Malleable Iron Frame—Steel Hopper and Gate Brass Discharger.

The breadth of the cast will be according to the weight of the seed. Wheat and Rye, 30 to 36 feet. Oats, 21 to 25 feet. Barley, 27 to 33 feet. Clover, Millet, 20 to 24 feet. Timothy, 15 to 18 feet. Price, \$5.00, postpaid.

## Grass and Clover Seed Sowers

### RITTENHOUSE DOUBLE FAN SEEDER No. 3.

The most efficient hand broadcaster ever invented, double distributing wheel—The two distributing fans revolve in opposite directions, throwing the grain further and more evenly than from any seeder with a single distributing wheel. This means a more even stand of grain and a larger yield, that in one season pays the cost of the Rittenhouse Seeder many times over. The material used in making this seeder is of the very best—the seeder is well painted—runs very lightly—and lasts a lifetime. The Rittenhouse Seeder is suspended from the shoulder at the side, and is far more convenient to handle than seeders which must be hung around the neck. Price, \$1.75, postpaid.



### SEGMENT CORN PLANTER—Sliding Feed.

Price \$2.50. Parcel Post weight, 6 lbs.

Picking Baskets—½ bushel size, 45c each.

White Oak Baskets—Side handled, 1 bushel \$1.40.

Splint or Chip Baskets—With handle, ¼ bu. size, 15c; ½ bu. size, 20c.

Pea Bags—Used by Anne Arundel farmers for bringing peas and beans to market. For quantities write for price.

Strawberry Boxes—1 qt. size, 10c doz.; per 100, 75c. Per 1,000, prices furnished on application.

Asparagus Buncher—See page 4.

Trace Chains—7 ft., straight link, hook or ring. Price \$1.75 pair. No. 2 cheaper grade \$1.50.

Cow Chains—Tying out, No. 1 20 ft. 60c; No. 00 heavier grade 20 ft. 75c; No. 00 30 ft. \$1.00;

Stable ties, 4½ ft., price 50c.

Back Bands—Cotton duck with snaps 42 in. 75c each; Same with Loop 90c each.

## Rittenhouse Mole Trap

Fig. 21

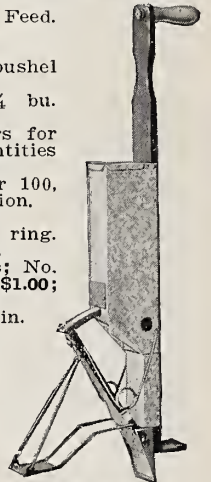
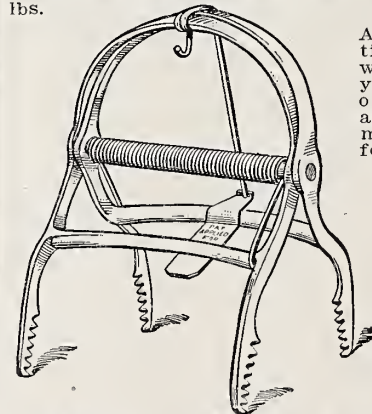
The simplest, safest and surest mole trap ever invented. Self-setting. Price, \$1.00, postpaid.

REDDICK MOLE TRAP—Will get the mole every time. Price, \$1.25, postpaid.

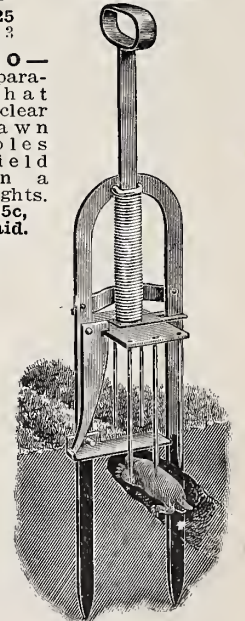
## Out-o'-Sight Mole Traps

The most complete in existence. \$1.25 each; doz. \$13.50. Parcel Post weight, 3 lbs.

**MOLO**—A preparation that will clear your lawn of moles and field mice in a few nights. Pkt. 25c, postpaid.



Segment Corn Planter



## M. & S. Tin Horn Seeder

Will sow 60 acres per day of clover, timothy, millet, alfalfa, etc. Price, 75c, postpaid.

Fig. 21.



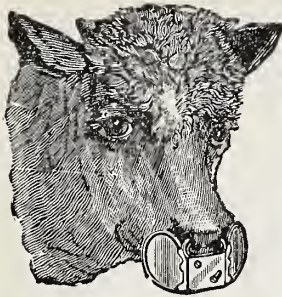


Fig. 6

**RICE'S CALF WEANER**—Fig. 6. Very effective for weaning calves and preventing cows sucking themselves. No. 1, for calves, 40c; No. 2, for heifers, 65c; No. 3, for cows, \$1.00; postpaid.

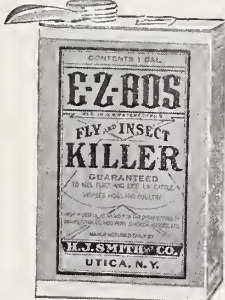
**BULL RINGS**—Copper, 40c apiece. 3 inch. Postpaid.

**BAG BALM**—For all diseases of the cow's udder and teats there is no remedy so quick and certain in its curative powers as Bag Balm. 60c, postpaid.

**KOW-KARE**—Valuable for run-down cows. 65c and \$1.25, postpaid.

**CALF MEAL**—The best milk substitute. 1 lb. 8c; 25 lbs. 75c; 50 lbs. \$3.25; 100 lbs. \$6.50.

**E-Z-BOS COW SPRAY AND LICE KILLER**—E-Z-Bos kills flies and keeps them off all day. E-Z-Bos is a stainless oil. It will not discolor or mat the hair. It actually does kill! Flies drop to the floor dead. Lice die in their tracks. No fly too big. No fly too small. E-Z-Bos gets them all. Once tried always used. Satisfaction or money refunded. Price, 1 gal. \$1.65; 2 qts. \$1.00.



**PRATT'S ANIMAL REGULATOR** is a regulator, digestive and mild tonic. The ingredients consist of pure medical roots herbs and barks, carefully blended in the exact proportions necessary to gently but surely act on the blood, bowels, liver and digestive organs of horses, cows, sheep and hogs. It causes perfect digestion. Pkg. 25c; 50c and \$1.00; 12-lb. pail, \$2.15; 25-lb. pail, \$3.40; 50-lb. drum, \$5.85; 100-lb. drum, \$11.40.

**\*PRATT'S WORM POWDER**—For destroying worms in horses, cows, hogs and sheep. Box 50c. Weight, 1 lb.

**\*PRATT'S LINIMENT**—For man or beast. Bottle \$35c and 75c. Liquid.

**BITTER LICK**  
MEDICATED  
**Salt Brick**



**PRATT'S HEALING OINTMENT**—For man or beast. Box 30 and 60c. Parcel Post weight, 1 lb. each.

**\*PRATT'S HEALING POWDER**—For harness galls. 30c. Parcel Post wt. 1 lb.

**\*PRATT'S VETERINARY COLIC REMEDY**—Bottles 60c and \$1.20. Express only.

**\*PRATT'S DISTEMPER AND PINKEYE REMEDY**—Bottle 70c. Express only.

**\*PRATT'S HEAVE COUGH AND COLD REMEDY**—Price 50c. Parcel Post wt. 1 lb.

**\*PRATT'S COW TONIC**—Pkg. 50c and \$1.00; 12-lb. pail, \$2.50; 20-lb. pail, \$4.50.

**\*PRATT'S BAG OINTMENT**—35c and 70c, postpaid.

**\*PRATT'S HOG TONIC**—Pkg. 50c and \$1.00; also in 25, 50 and 100-lb. bags. Price \$2.75, \$5.00 and \$9.50, respectively.

**BITTER LICK**—For horses and cattle of all kinds. Price of brick, 35c.

**HOLDERS FOR BITTER LICK BRICK**—Made of iron and japanned black. 30c each.

**Oils and Axle Grease**

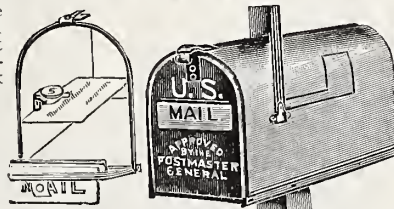
Harness Oil "Eureka"—Pt. 35c.  
Cream Separator Oil—2 qts. 75c; 5 gals. \$4.50.  
Harvesting Machine Oil—Gal. \$1.00.  
Gasoline Engine Oil—Gal. \$1.25.

Household Lubricant Oil—In can with spout ready for use. 20c. Empty can like Fig. 4 fits field mowers—15c each. Parcel Post weight, 1 lb.

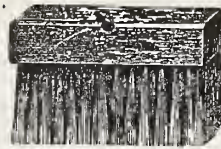
Mica Axle Grease—Tin can, 25c; 3 lb. can, 40c; 15 lbs. \$1.60.

**Rural Mail Boxes**

22. Gauge Galvanized Steel, without Inner Galvanized Box. Box



has a Letter and Coin Holder for mailing Letters when not supplied with stamps; Reinforced Roller Ends; Drop in End of Box for Depositing Mail without Unlocking; Red Signal raised by Mail Carrier to show that he has deposited mail in the box. Price, \$1.75. Parcel Post weight, 8 lbs.



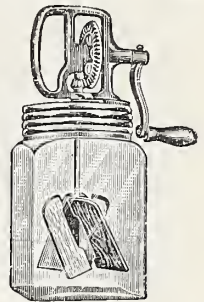
**Brooms and Brushes**

Plain Corn Brooms, extra quality. \$1.00  
Bass Push Broom, 14 inches. (See cut) ..... 1.25  
Handles for Push Brooms, 25c each.

**Dazey Glass Family Churn**

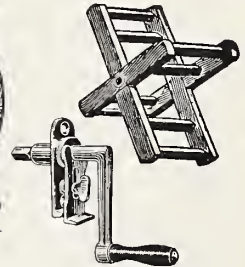
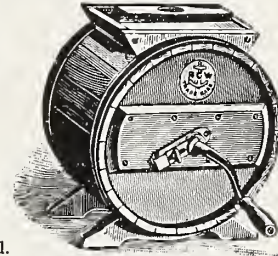
Fig. 2. Easy running, easy to clean, produces the finest butter that can be made.

No. 20G, churning 1 qt. \$2.00; No. 30G, 1½ qts., \$2.25; No. 40G, 2 qts. \$3.00. Add 25c each size if to be sent by Parcel Post.



**IMPROVED CEDAR WOOD CYLINDER CHURN**

No. 1—3 gal. \$3.75.  
No. 2—4 gal. \$4.50.  
No. 3—7 gal. \$5.25.  
No. 4—10½ gal. \$6.00.

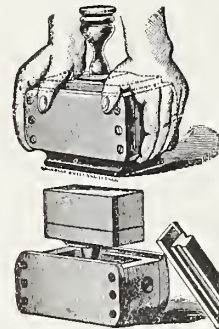


**Baltimore Pattern Hand-Made Butter Print**

This Butter Print is hand-made out of solid hardwood, and is put together with brass screws, making it indestructible. Being a two-piece print makes it very handy to use. ½-lb. Sheaf of Wheat Print, \$1.25; weight, 1 lb. 1-lb. Sheaf of Wheat Print, \$1.50; weight, 2 lbs. ½ lb. Special Prints, carved with Initials, on application.

**SEELEY PATTERN BUTTER PRINTER**

Furnished with sheaf of wheat. Movable block. ½ lb. 75c. Weight, 1 lb. 1 lb. 90c. Weight, 2 lbs.



**PARCHMENT BUTTER PAPER**—Cut for pound and half-pound prints. Price, 35c lb. Special price on quantities.

**WELLS, RICHARDSON & CO.'S BUTTER COLOR**—The best butter color on the market. Small bottle, colors 500 lbs. 35c; large bottles, 75c and \$1.40.

**FLOATING DAIRY THERMOMETER**—30c; postpaid, 35c. Prices Subject to Change Without Notice.

**Thrift Jars**

Lighten labor, save time and prevent spoilage. They are easily sealed before processing and the seal is tight and permanent.

**Price List**

No. 33—Quarts with caps, \$1.40 per doz.  
No. 32—19 oz. with caps, \$1.15 per doz.  
No. 3—Sealer, \$2.50 each.  
No. 3—P Caps, box of 6 dozen, \$2.15.



**Grape Protecting Bags**



If put on during the period when grapes are forming they will save many times their cost in the amount of fruit they will save from insects, rot, birds, etc. All ready to fasten. No. 2 the right size for our domestic grapes. Price, 10c doz.; 50c 100; \$4.25 1,000. Prices on larger bags on application.

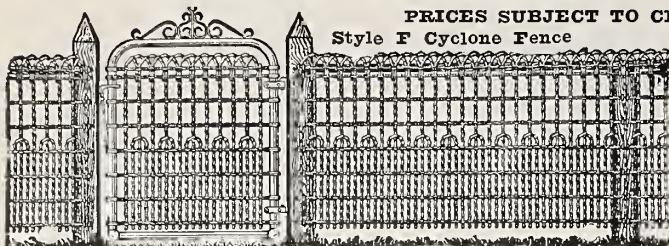
Parcel Post weight, 2 lbs. per 100; 15 lbs. per 1,000.

Bag all grapes to keep them from insect stings.



# CYCLONE AND AMERICAN SANITARY WIRE FENCING

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.  
Style F Cyclone Fence



Style "F" is our most popular sanitary wire fence. Pickets are all No. 9 heavily galvanized wire spaced 1 3/4 inches apart at bottom, 2 3/4 inches at top, making fence absolutely chicken tight. Regular heights are 36 inches, 42 inches and 48 inches. Price per lineal foot, Style "F," 36 in., 16c; 42 in., 22c; 48 in., 22c. Full 10 or 20 Rod Rolls less 10 per cent. Three-foot Ornamental Walk Gates to match, \$4.25 each. 3 1/2 ft. 5 per cent and 4 ft. opening 10 per cent higher.

## Universal Walk Gate

Made of heavy high carbon steel tubing, non-breakable frame with Style "F," chicken-tight fabric; hinges and latch to hang to wood posts. Height, 36 in., 42 in. and 48 in. Three-foot opening. Price, \$3.00, \$3.25 and \$3.75. 3 1/2 ft. 5%, and 4-ft. opening 10% higher.

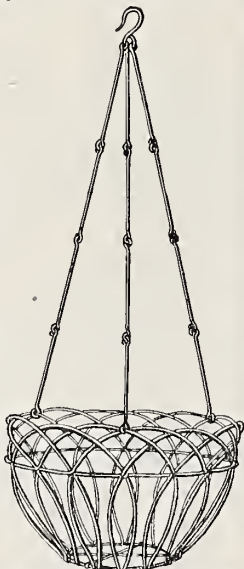
## Drive Gates

Single Ornamental Drive Gates 8, 10 and 12 ft., height 36, 42 or 48 in. Prices, \$3.50, \$9.50 and \$11.50. Double Ornamental Drive Gates, 8, 10 and 12 ft., height 36, 42 or 48 in. Prices, \$9.50, \$11.50 and \$12.50.



## Storage or Ash Can

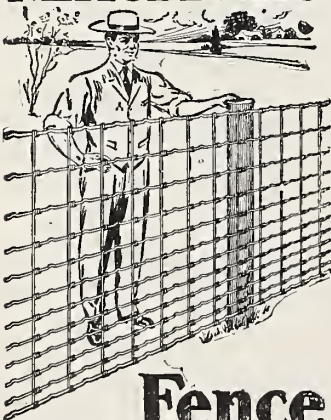
Galvanized, deep cover, rat and damp roof. Excellent for storing grain or dry mash. No. 77, capacity, 2 1/2 bu. Price, \$2.50.



## Wire Hanging Baskets

Help make the city beautiful by installing wire hanging baskets and window shelves filled with beautiful flowers. Made of good heavy wire. Painted green. See illustration. Baskets, 8-in., 25c; 10-in., 35c; 12-in., 45c. Parcel Post weight, 2 lbs. each.

# American



## "AMERICAN" POULTRY AND STOCK FENCE

"American" Poultry and Rabbit Fence — For poultry yards, gardens, orchards and yards; it is a great favorite. 165 running feet, 48-in., \$7.25; 58-in., \$3.00.

### Banner Poultry Fence:

36-in. 165 ft.	\$5.25
48-in. 165 ft.	6.25
60-in. 165 ft.	7.25
72-in. 165 ft.	8.25

### Field Fence:

726x6. 165 ft.	\$6.25
726x12. 165 ft.	4.75
1047x6. 165 ft.	9.50
1047x12. 165 ft.	6.75

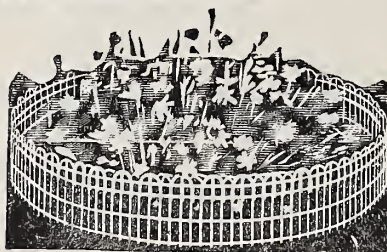
# Fence

## Posthole Digger



"Keen Kutter" Posthole Digger

Highest Grade Crucible Steel Blades, 12 Gauge, 9 in. deep, 5 in. wide, riveted to heavy shouldered Malleable Iron Frame, with closed handle sockets, 4 in. deep; select ash handles with graduation marks in ft. burned on, from 2 to 4 ft.; will dig hole 6 in. in diameter. Price, \$2.25.



## Perfection Flower-Bed Border

Fits any shape or size of flower-bed. No posts required. Cut to any length. Bottom of pickets left straight to be inserted in the ground. Made in three heights. Price per lineal foot: 16-in., 10c; 22 in., 12c; 28 in., 14c.

## Wire Trellis

Just the thing for climbing plants and flowers. Cut to any length; fits any porch. The most inexpensive practical trellis made. Furnished in three widths. Price per lineal foot: 18 in., 8c; 24 in., 10c; 30 in., 12c.



FIG. 1

- No. 2—Height 22 in.; diameter 15 in.; weight 7 lbs. Price, \$1.75.
- No. 3—Height 20 in.; diameter 18 in.; weight 9 lbs. Price, \$2.25.
- No. 4—Height 31 in.; diameter 21 in.; weight 12 lbs. Price, \$3.50.

## Norwood Rubbish Consumers

Burns waste paper, rubbish and all combustible materials without scattering and without danger from fire.



FIG. 2

## Diamond Mesh Poultry Netting

Put up in rolls of 150 running feet. Galvanized after weaving.

2 in. No. 20. 1 in. No. 20. Wire. Wire.

1 foot	\$1.45	\$3.25
18 inch	2.10	4.75
24 inch	2.70	6.25
36 inch	3.65	8.25
48 inch	4.75	11.25
60 inch	6.00	14.25
72 inch	7.00	17.00

2 inch less than roll lots 1 1/2 c square ft.; 1 inch, 3 1/2 c. Price subject to change without notice.

Poultry Wire Staples, 10c per lb.

Prices on all kinds of wire and steel goods subject to change without notice.

Illustration of 2-inch Diamond Mesh Poultry Wire

## Galvanized Steel Fence Posts

CHEAPER THAN WOOD AND MORE DURABLE—Galvanized Inside and Out

Line Post	Length—Feet.	Approx. Wgt.—Lbs.	Price.
Line Post	5	7.4	.67
Line Post	6	8.4	\$ .70
Line Post	7	10.	.80
Line Post	8	11.4	.95
10 End Post	7	51.	4.00
10 End Post	8	59.	5.00
10 Corner Post	7	75.	6.50
10 Corner Post	8	86.	7.00
Ball Tops for Line Posts			.30
Ball Tops for End and Corner Posts			.50
Driving Caps for Line Posts			.55



American Galvanized Steel Fence Post.



# M. & S. POULTRY DEPARTMENT

We carry everything in the line of Poultry Accessories and we cheerfully give free advice how to raise Poultry profitably. M. & S. Wonder Bred Chicks during February, March, April, May, and June (see page 74).

## Lectro-hatch

### ELECTRIC INCUBATORS



**Lectro-Hatch Price List**  
65-egg capacity, \$23.50;  
150-egg, \$38.00; 300-egg, \$67.00; 600-egg, \$118.00. When ordering state voltage.

Use a Lectro-Hatch Electric Incubator and say good-bye to work and worry in hatching. Chicks are as strong and sturdy on the first day as ordinary chicks from four days to a week old. You attach the incubator cord to an electric light socket. Then you adjust the machine to hold hatching temperature by giving one or two turns to a small thumb nut. After that the Regulator, which is an exclusive feature, watches the temperature for you.

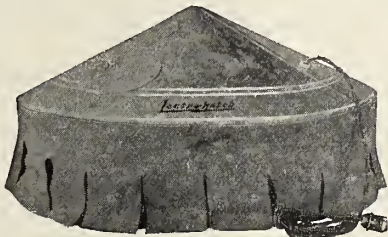
**Lectro-Hatch Electric Incubator Elements**  
Lectro-Hatch Elements are specially made by electrical experts to exactly fit your

Incubator according to specification. When ordering give us the following information: Make of Incubator, Egg Capacity, Shape of Incubator (Round, Square or Oblong), Length of Top Wall or Lid (Inside), Width of Top Wall or Lid (Inside), Thickness of the Top Wall or Lid, Depth of Egg Chamber (Distance inside from Lid to Egg-Tray), Voltage Electric Power to be used. **Prices: Any size Incubator up to 150-egg Capacity, \$12.50; Over 150 and less than 400-egg Capacity, \$15.00, postpaid.**

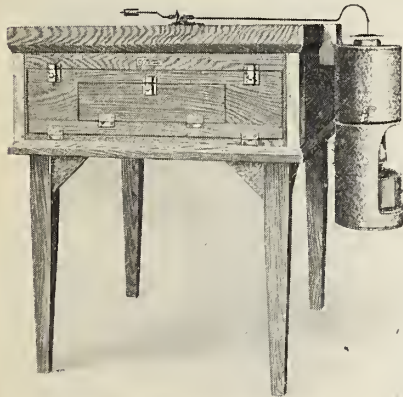
## Lectro-hatch Electric Brooder

Just turn an electric socket button and the Lectro-Hatch Brooder begins to warm up. Same device to maintain constant, even heat as in Lectro-Hatch Electric Incubators. No danger of overheating or fire. No lamps to fill, no stoves to tend, no ashes to carry out. No muss or dirt. Lectro-Hatch Brooders really cost less to operate than other style brooders.

**Price: 28 inch diameter, 150 chick capacity, \$18.00; 40 inch diameter, 500-chick, \$23.50. When ordering, state voltage.**



## Newtown Lamp Incubators



Newtown Lamp Incubator No. 3

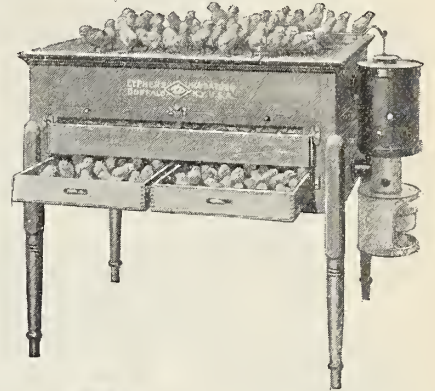
Newtown Lamp Incubators are furnished in three popular sizes. All are constructed of high class material and are typical Newtown products. The heating system is of solid copper. Case of beautiful chestnut lumber. The outstanding feature of all Newtown Lamp Incubators is the fact that they are very simple to operate—practically impossible to go wrong. These machines are small in size, but they are built for service and results. All equipped complete with thermometer, egg tester, and mechanical egg turner. The eggs may be turned by one simple movement.

This little hatcher is a wonder and if you are looking for a really efficient small machine, you need not look further. **No. 2—75 eggs .....\$26.25**  
**No. 3—150 eggs ..... 40.50** **No. 4—300 eggs ..... 60.00**

## Standard Cyphers Incubators

**CYPHERS INCUBATORS** are built to hatch and to last. With proper care—the same care you would give a valuable piece of household furniture—a **Standard Cyphers** will last an ordinary lifetime. They are guaranteed by us to last **ten years** without repairs. We make this guarantee because they **have lasted** much longer than this—and are still doing first-class work.

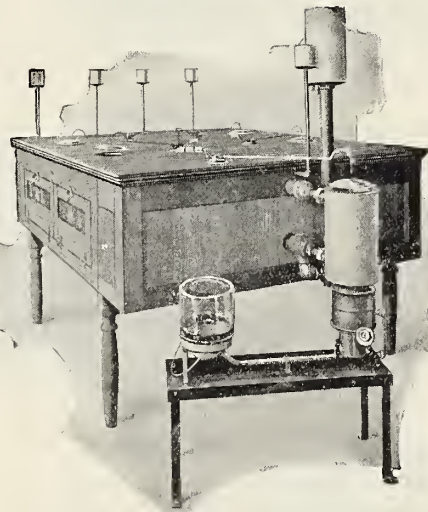
**Prices:**  
No. 1—144 Eggs, **42.00**  
No. 2—244 Eggs, **56.00**  
No. 3—390 Eggs, **69.00**



## Newtown Blue Flame Oil-Heated Incubator

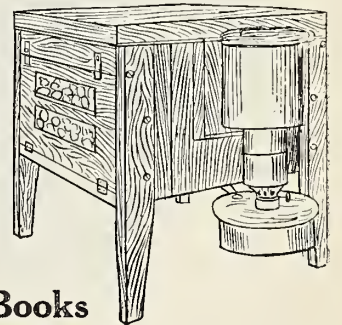
Most complete and simple to operate. Send for descriptive circular. 600-egg size, **\$150.00.**

Catonsville, Md., Feb. 24, 1924.  
Gentlemen: My 300 M. & S. Wonder Bred R. I. Red Chicks turned out so well last year that I want 500 more this year.  
Yours truly,  
MRS. ALFRED T. GUNDRY, of Athol.



## The Peepy Gem Incubator

This is a low-priced machine which has met with success by thousands of operators. Double walled, cypress wood, double glass door, removable nursery. Heated by patented hot-water system. Complete with lamp, thermometer, egg tester, egg tray and full directions. **Capacity, 50 eggs. Price, \$10.00, postpaid.**



## Practical Poultry Books

ALL POSTPAID.

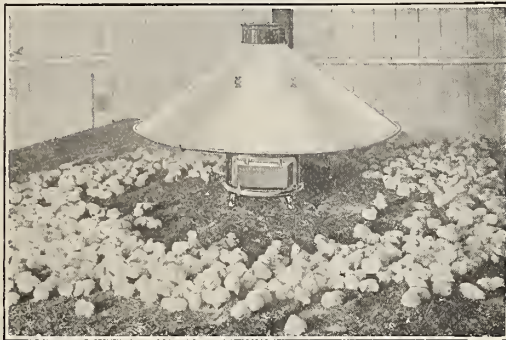
The Campines .....	\$ .75	Profitable Culling and	
The Orpington .....	.75	Selective Flock Breeding	1.50
Rhode Island Reds.....	.75	How to Feed Poultry for	
Successful Back Yard		Any Purpose With Profit	1.25
Poultry Keeping .....	1.00	The Fundamentals of	
Artificial Incubating and		Poultry Breeding.....	2.00
Brooding .....	1.00	Rabbit Culture and Stand-	
The Plymouth Rocks,		dard .....	.50
Wyandottes, Leghorns,		Town Lot Poultry Keeping	.50
each .....	1.00	The Standard Book of Per-	
Asiatics .....	.50	fection—Everybody who raises	
Houses and Fixtures.....	1.00	poultry should have one of	
Turkeys, Their Care and		these books. <b>Price, \$2.75.</b>	
Management .....	.75	Reliable Poultry Journal and	
Artificial Light to Increase		Poultry Item monthly maga-	
Winter Eggs .....	1.50	zines.	
Ducks and Geese.....	2.50	Yearly subscriptions	\$1.00



# THE BEST BLUE FLAME & COAL STOVES OF THE DAY

## NEWTOWN

### Coal-Burning Colony Brooder



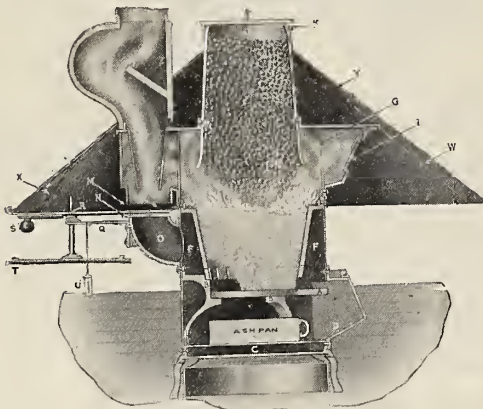
**"A Newtown Mother"**

Made in 3 Sizes—A Size to Suit Your Needs

**Simplest, Safest and Most Economical** Newtown Brooders are real heating stoves—Coal-burning, self-feeding, self-regulating, and larger than other coal-burning brooders. Equipped with dependable automatic regulator. Easy to operate—require little time and attention.

**Two Striking Improvements** The new wired deflector is of master design and durably constructed. Deflector lid permits easy access to ashpit door. The new smoke box catches the soot which would otherwise fall on the damper discs and retard their operation.

### LOOK AT THIS!



**Cross Section of No. 11 and 12 Brooders.** Note the large heat radiator around top of the heater, just under the deflector. Note the Smoke Box Ell at the base of the pipe. This keeps all dirt off the damper discs. These stoves are especially desirable for large flocks. They were designed especially for two-room colony houses or large single room buildings.

### Sizes and Prices

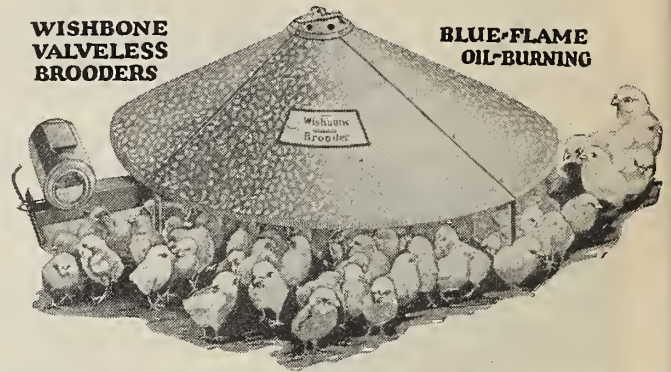
- Size No. 7—Capacity, 200 up to 400.....\$25.00
- Size No. 11—Capacity, 500 chicks or less..... 32.50
- Size No. 12—Capacity, 1,000 chicks or less..... 40.00

Send for Descriptive Catalogue

### The Best Way to Raise Chickens

**WISHBONE VALVELESS BROODERS**

**BLUE-FLAME OIL-BURNING**



Blue Flame Oil Burner is the Chicks Best Friend; it has no valves to stick, no strainer to clog, no thermostat to go wrong.

Everybody who raises chickens should own a Wishbone Valveless Blue-Flame Brooder. The Wishbone is the most perfect means of caring for chickens that ever has been invented. It eliminates all mess, worry and trouble. It gives a hot blue flame in a jiffy without priming or pre-heating. It raises most chicks. It raises healthier chicks. Therefore, you are bound to make more money out of your chicks.

The Wishbone Valveless Brooder is as simple to operate as a good cook stove. It consists of only four main parts—the tank, the burner, the oil pipe and the hover.

When you want to light the brooder you turn the adjusting handle and touch a match to the burner. A hot blue flame shoots right up. No priming. No pre-heating.

The oil flows down the big half-inch oil pipe as surely and continuously as it would flow through a funnel. And there isn't a valve or thermostat or strainer in the entire brooder to go wrong or start trouble. **THE WISHBONE IS THE ONLY VALVELESS BROODER.** Can be sent by parcel post.

**Simple, Efficient, New and Different. Sizes and prices.**

Hover comes in sections with bolts and legs to fasten together. Heater part completely assembled. All packed in one light, strong crate. Operating Instructions packed in each crate.

- No. 22—22 in. Canopy, 50-100 chicks—weight 23 lbs.....\$12.00
- No. 32—32 in. Canopy, 350 chicks—weight 30 lbs..... 16.00
- No. 42—42 in. Canopy, 500 chicks—weight 40 lbs..... 19.00
- No. 52—52 in. Canopy, 1,000 chicks—weight 48 lbs..... 22.00

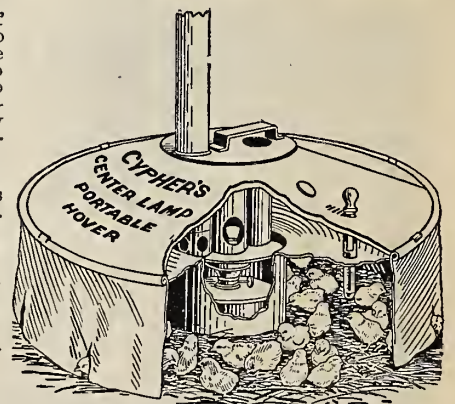
Illustrated circular on request.

### Cyphers Center Lamp Portable Hover

The experience of thousands goes to prove that the Cyphers Center Lamp Hover will bring to vigorous maturity practically every healthy chick committed to its care.

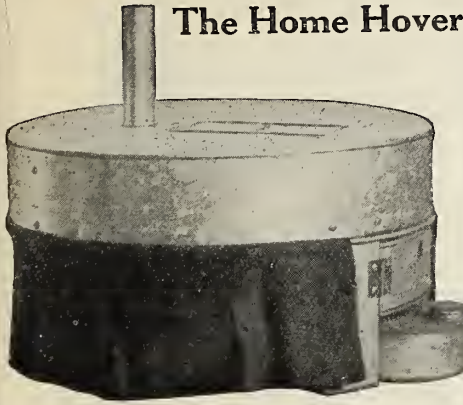
- Specifications**
- Capacity...100 chicks
  - Weight, net...24 lbs.
  - Weight, in carton...30 lbs.
  - Diameter of Hover.....28 in.
  - Hovering space...540 sq. in.
  - Height, without stack.....14 in.
  - Height, floor to top of stack...36 in.

**Equipment**  
 Hover, Curtain, Lamp, Lamp Bracket, Thermometer, Stack—all complete to operate except the oil.  
**Price, \$13.50.**





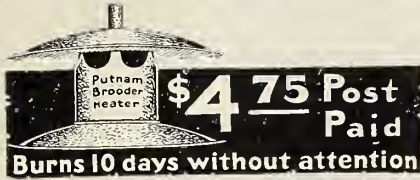
## The Home Hover



**An Ideal Hover** for any number of chicks up to fifty. The Home Hover was designed to meet the requirements of the raiser of a small flock of poultry—around the home or around the farm. It is substantially built and of fire-proof construction throughout. With the exception of the legs the entire hover, including the lamp, is made of heavy galvanized iron. Capacity 50 chicks \$5.50 postpaid.

This is used to heat a home-made brooder, which will take the best of care of from 30 to 60 chicks. Instructions for making brooder packed with every heater. A boy can make the brooder in an hour with saw and hammer. The materials need not cost over 25c. **The Putnam Brooder Heater** holds

## The Putnam Brooder



one quart of oil and will burn 10 days without filling or trimming; needs no other attention. The Putnam Brooder can be operated anywhere and in any climate. It is built on the principle of an open fire-place. It carries out the foul and draws in fresh air, providing continuous ventilation. Heat is radiated from above upon the backs of the chicks just as with the mother hen. The floor of the hover is even with the ground; the chicks have no inclines to learn and don't get lost and cold.

The Putnam Brooder Heater is made of brass and galvanized iron. It is practically indestructible. Price of Putnam Brooder Heater \$4.75 postpaid. Illustrated circular on request.

## National Oat Sprouter



National

Steel frame, well braced and painted. With six heavy galvanized iron pans which are interchangeable. Provides the very necessary green feed at all seasons.

Total height, 3 ft. Size of pans, 16x18 inches. No. 01—Oat Sprouter. Each.....\$6.50

## The Little Egg-Getter Oat Sprouter

The Little Egg-Getter Is the Biggest Little Proposition Ever Made in a Vapor-Bath Grain Sprouter.

Made of galvanized sheet steel, supported by a cypress frame—the wood that never rots. Constructed as genuinely as any other vapor bath sprouter, with vapor pan, glass front doors, ventilation, one-piece all-metal aerated trays, etc. Has 4 compartments as needed. Fitted complete

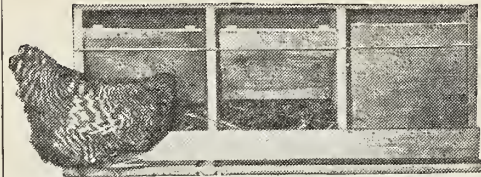
with lamp, thermometer, partitions and directions. For 40 hens or less. Delivered prepaid by parcel post for only \$7.95. Special circular on request. Constructed like the close to nature,

## Lectro-Warm Electric Fountain Heater

Keeps drinking water from freezing even in zero weather. Safe and easy to use. No danger of fire or explosion. Cost averages about a cent a day. Used with any type fountain, pan, crock or bucket. Set water vessel on heater and turn on current. That's all there is to it! No adjusting! No regulating! No watching! Pays for itself in winter eggs. Heater is 8 inches in diameter, 1½ inches high and made of heavy galvanized metal. Built for service. Money promptly refunded if unsatisfactory after ten days' trial. When ordering state voltage of your electric current. Price, \$2.50, postpaid.



## Newtown Practical Trap Nest



The Truly Reliable Detector of the Shirking Hen.

The Practical Trap Nest is a profitable addition to every poultry plant, because it weeds out the drones and cuts down feed bills for the man who wants to keep only those birds that produce. Made in sections of 1 to 5 nests. Strongly built of good lumber, as light in weight as consistent with strength and durability—with a trap that works noiselessly and surely.

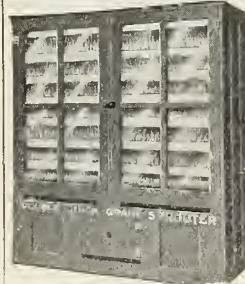
Prices, Shipped Crated, Ready for Use:  
 One Complete Single Nest, 14x18x15 in. .... \$1.40  
 One Complete Set of 2 Nests, 27x18x15 in. .... 2.60  
 One Complete Set of 3 Nests, 40x18x15 in. .... 3.60  
 One Complete Set of 4 Nests, 53x18x15 in. .... 4.40  
 One Complete Set of 5 Nests, 67x18x15 in. .... 5.00

## Collins' Oat Sprouters

FRESH GREEN FOOD KEEPS THE CHICKENS LAYING

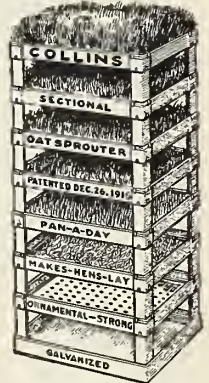
Every chicken raiser knows that sprouted oats can be grown without lamp—use the natural heat of the house.

3 Pans 11x15 the Popular Size. Weight 14 lbs. .... \$4.00  
 5 Pans 11x15 Small Back Yard Flock. Weight 9 lbs. .... 3.00  
 8 Pans 11x32 for Big Business. Weight 28 lbs. .... 8.00



CLOSE-TO-NATURE HEATED GRAIN SPROUTER — Double quick. The most efficient and economical sprouter ever invented.

Heated by lamp; safe, built for zero temperature. No. 4, 2 bus. or 64 qts., 6 trays, for 200 to 300 hens, \$26.00; No. 3, 1 bu. or 32 qts., 5 trays, for 100 to 150 hens, \$19.00; No. 2, ½ bu. or 16 qts., 4 trays, for 50 to 75 hens, \$13.00. No. 1, 8 qt. 25-30 hens, \$10.00.



## IT TELESCOPES!

PROTECTS THE CHICKS FROM HAWKS, RATS, WEASELS, VERMIN, COLD, STORM, ETC.

SAVES TIME, WORK AND WORRY.

The "Lawn Park" Brood Coop. Pat. May 13, 1919.

The "Lawn Park" is large and roomy, being 18 inches wide, 19½ inches high, and 48 inches long, with park extended. The coop and the park are of equal length. The park permits the chicks to have plenty of sunshine and fresh air, and also allows them to range on grass. Can be moved from place to place easily, thus giving them a fresh supply daily. Coop has removable bottom for quick and easy cleaning. Made of metal; will last years. \$4.00 each. Cannot be sent by parcel post.

THE BABIE CHICK FEEDER—To be used in connection with the above. \$1.50 each. Shipping weight, 5 pounds.

"PROTECTO" BROOD COOP—This coop can be turned to fresh ground with no trouble, without interfering with hen and chicks. It is built of the best quality lumber tongue and grooved which makes it draft-proof and rain-proof. It sets off the ground and is painted with the best of paint. The patent turning device is simple, will last a lifetime and can easily be operated by a child. Give your baby chicks a chance. Shipped knocked down and can easily be set up by anyone in a few minutes. Price, with 4 ft. yard, \$8.50. Express or freight only.





## Little Putnam Stove for Poultry Fountains and Oat Sprouters

This little device will keep water from freezing in zero weather. It holds 6c worth of oil and burns a month without filling or trimming. Fool proof and fire safe. Used under any can, crock or fountain.

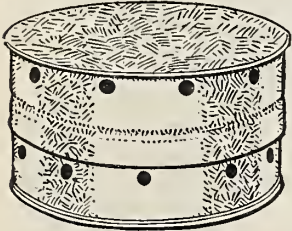
Over 80% of an egg is water. To get lots of eggs in winter, you should keep unfrozen water constantly before fowls. One cold day with water frozen, may stop egg production for a month.

A Little Putnam Stove is also used to heat a home-made oat sprouter. Plans for making sprouter packed with every stove. A 14-year-old boy can build the sprouter in two or three hours with no tools but saw and hammer. The materials required need not cost more than 50c. Price of Little Putnam Stove, \$2.50, postpaid. Illustrated circular on request.



Postpaid  
\$2.50

Burns a Month Without Attention



Royal Stove

## Royal Stove

Ideal for keeping poultry fountains from freezing, and for operating home-made oat sprouters. Will burn a week without any attention. Has asbestos wick which is superior to others. Price, \$2.00, postpaid.

## Leg Bands for Poultry, Pigeons, Etc.

ALL POSTPAID

Tell the age and different strains of your poultry.

Table of sizes of bands for different breeds. Order by number.

No. 1—Bantams and small Mediterranean females, etc.

No. 2—Ordinary Mediterranean and pit game females, etc.

No. 3—Mediterranean males, American females, pit game males.

No. 4—American males, medium Asiatic females, turkey hens, etc.

No. 5—Ordinary large Asiatics and tom turkeys, etc.

No. 6—Tom turkeys and geese.

No. 7—American males, medium Asiatic females, turkey hens, etc.

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# M. & S. POULTRY AND PIGEON FEEDERS

## The Norwich Automatic Exercisers and Feeders

Saves grain, saves labor, saves time. Increases egg production. Waste, Rain, Rat and Bird proof. Improves the flock. Guaranteed satisfactory in every respect or money refunded.

- No. 1, 8-qt. Hopper, wt. 13 lbs. \$5.00
- No. 2, 14-qt. Hopper, wt. 15 lbs. 5.50
- No. 3, 20-qt. Hopper, wt. 20 lbs. 6.50
- No. 4, 32-qt. Hopper, wt. 27 lbs. 7.50

Awarded first prize wherever exhibited.

F. O. B. Baltimore, Md. Discount on quantities.

Can be sent by Parcel Post; add postage for zone.



## The Apaco Poultry Feeder

Same mechanical features which have proven so successful in the Norwich Automatic, but of the hanging type. Designed for the small breeder or "backyarder."

Made in one size only, 12-qt. capacity. Price, \$2.00. Shipping weight, 5 lbs. F. O. B. Baltimore, Md.



Apaco Feeder.

## The Norwich Automatic Dry Mash Hopper

Mash always fresh and clean and always the same amount before the birds.

Without Rain Guard; Parcel Post weight, 8 lbs.; capacity, 20 qts. \$5.00.

With Rain Guard; Parcel Post weight, 11½ lbs.; capacity, 20 qts. \$6.00.

Feed Cups for Exhibition and Training Cages—Large size, No. 1, 20c each; \$1.75 per doz. Small size, No. 0, 15c each; \$1.50 per doz. Parcel Post weight, 1 lb.

## "CYMACO" DRY MASH FEEDERS

Solve the Feeding Problem

The feeder that has won the highest favor among thousands of poultry men and farmers throughout the country. The CYMACO feeder is made of the best galvanized steel with enamelled steel legs to hold the feeder off the ground. The flow of the feed may be regulated by means of two thumb screws at

either end of the feeder. Agitators are worked automatically by the fowls while feeding. The CYMACO accommodates twice as many hens at the ordinary hopper feeder. CYMACO is provided with a catch tray which prevents waste of feed and provides a means to close at night.

- No. 12—Capacity ½ bu. Packed 1 to carton. Shipping weight, 11 lbs. Each..... \$2.50
- No. 24—Capacity 1 bu. Packed 1 to carton. Shipping weight, 17 lbs. Each..... 3.75

## FELKER'S "1-2-3" GRIT AND SHELL FEEDER—Fig. 1

For dry mash, scraps, shells, grit, charcoal or any poultry feed. When used for one kind of feed only, take out separator in one end; three kinds, say scraps, shell and grit, put separator in middle, and you have three separate feeders. Price, \$1.50; small size, 85c. Weight, 5 lbs. each.

"Apex" Wall Feed Pan—It can be hung high or low out of the way. Easy to clean. Like Fig. 2 feed pan illustrated. Can be used for feed, grit, etc. Price, 40c. Weight, 2 lbs.

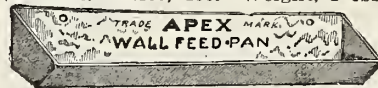


Fig. 2

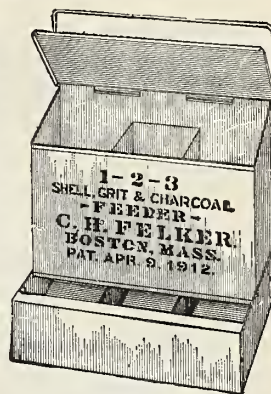


Fig. 1

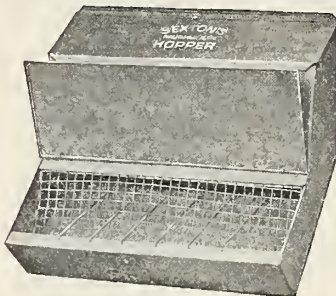


Fig. 3

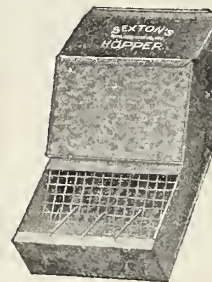


Fig. 4

- Sexton's Dry Feed Hopper—Easy to fill and no waste.
- No. 5—Capacity, 24 qts. Fig. 3, wgt. 15 lbs. Each.....\$2.50
- No. 1—Capacity, 12 qts. Fig. 4, wgt. 7 lbs. Each.....\$1.50
- No. 2—Capacity 3 qts. Parcel Post weight 4 lbs. Each....\$1.00

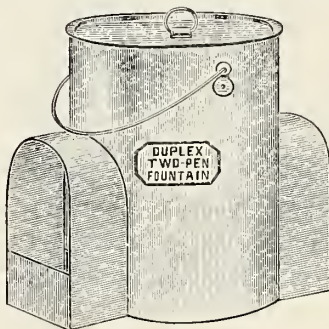
## Top Section Slides Into Bottom Section.

## Duplex Two-Pen Fountain

This fountain will serve two Pens at same time; gives good results and saves labor.

Made in two sizes, eight-quart and five-gallon.

Price: 8-qt. size (Parcel Post weight, 8 lbs.), each, \$1.65; 5-gallon size (Parcel Post weight, 4 lbs.), each, \$3.25. See Twin Duplex on next page.



Two-Pen Duplex

## Wall Fountain

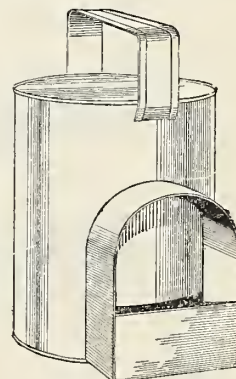
This has been very popular for years. Is a strong well made fountain and durable.

Price: 4-qt. size (Parcel Post weight, 2 lbs.), each, 90c; 8-qt. size (Parcel post weight, 3 lbs.), each, \$1.25.



## Royal Jar Fountains

This Fountain will fit any Mason Jar, and is intended for feed and water. 15c each; 2 for 25c; \$1.25 doz., postpaid.



Wall Fountain



# M. & S. CHICK FEEDERS, POULTRY & PIGEON FOUNTAINS

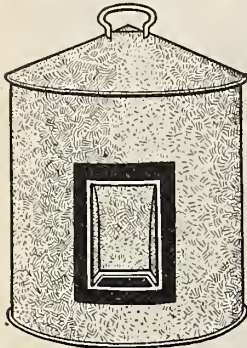
## Norwich Chick Feeder



The strongest and best Chick Feeder ever placed on the market. Perfection as a sour milk feeder. 20 inches long. Without Rain Top, weight 2 lbs., 75c; with Rain Top.....\$1.00  
**Conkey-Norwich Vibro Feeder, 27 inches long:**  
 Without Rain Top, weight 5 lbs..... 1.60  
 With Rain Top, weight 7 lbs..... 2.00

## Thermic Poultry and Pigeon Fountain

Prevents water from freezing in winter and keeps it cool in summer. **Guaranteed Sanitary**, as they are easily cleaned. No lamps to clean or danger from fire. No expense for coal oil. The most up-to-date, and proves to be the cheapest fountain to use, as they increase egg production 50%.



Made in 3 Sizes  
 No. 2—2 gal., \$3.50, post-paid.  
 No. 3—3 gal., \$4.00, post-paid.  
 No. 5—5 gal., \$5.00, post-paid.

## The Norwich Automatic Airlock Fountain

Guaranteed frost-proof to 10 degrees below zero. Fitted with detachable cup, removable oil chamber, heat generator, etc. Passed by Fire Underwriters.

Made in one size only, 5 gallons capacity. Parcel Post weight, 17 lbs.; less burner base, 10 lbs.; base only, 10 lbs.  
 Complete with Burner Base...\$6.00  
 Without Burner Base..... 3.50  
 Burner Base only..... 3.50

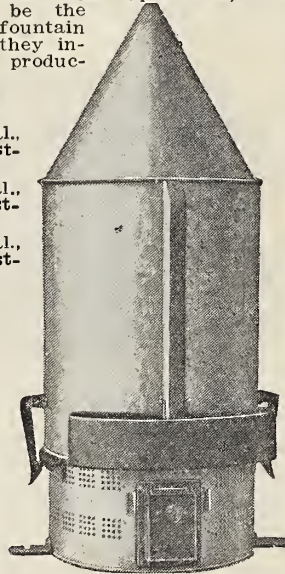


Fig. 9

**SANITARY FOUNTAIN**, as per illustration. Fig. 9. Impossible for chickens or pigeons to roost on same.

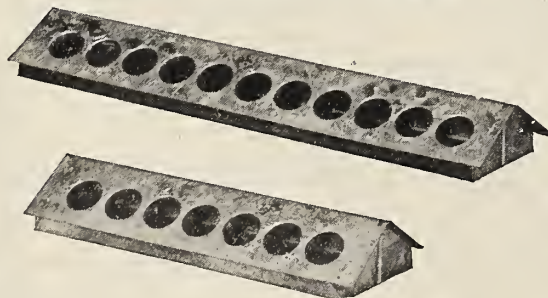
No. 11—1-qt., 1 lb....\$0.25  
 No. 12—2-qt., 2 lbs... .35  
 No. 13—4-qt., 2 lbs... .45

**NESCO No. 0 CHICK FOUNTAIN**, 15c each; 2 for 25c (weight, 1 lb.); \$1.40 per dozen (weight, 4 lbs.).



Fig. 0

## Royal Feed Troughs



Made of the best quality galvanized iron; well reinforced and very economical in price. Top lifts off and it is easily filled.

Made in three sizes.  
 No. 12—Length, 12 in.; 14 feeding holes.... 25c Postpaid, 30c  
 No. 18—Length, 18 in.; 22 feeding holes.... 35c Postpaid, 40c  
 No. 24—Length, 24 in.; 30 feeding holes.... 45c Postpaid, 50c

## Felker's Sanitary Fountains for Poultry



Fig. 3

**"PEERLESS" DRINKING FOUNTAIN** keeps the water clean and pure. 1 qt., brooder size, 35c; 5 qt., 90c; 10 qt., \$1.25. Peerless Heater, fitting both sizes, price \$1.75. Parcel Post wgt., 2 lbs.

Weights on Peerless Fountains: 1 qt., 2 lbs.; 5 qt., 3 lbs.; 10 qt., 4 lbs.

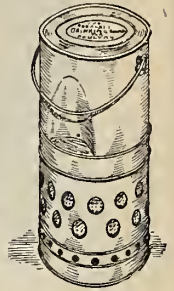


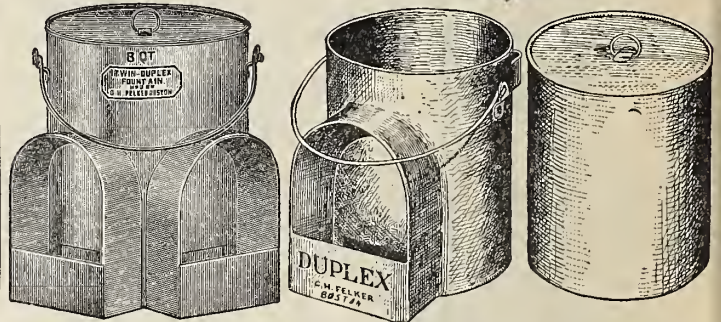
Fig. 2

## Felker's Jr. Chick Feeder

Feeds dry mash and grain as well as sour milk or water. 12-inch, price 25c each; 20-inch, 40c. Parcel Post weight, 2 lbs.



**McCANDLISH IMPROVED CHICK FEEDER** (Pat. July 17, 1917, No. 1234054)—Equipped with adjustable partitions for various kinds of feed. An ideal drinking receptacle also. Made of Galvanized Iron, no rough edges; waste impossible; can't capsize. Revolving rod prevents the chicks from perching upon it, making the feeder absolutely sanitary. Lengths, 20 and 30 inches. Prices, 50c and 75c. Parcel Post weight, 2 lbs. each.



**FELKER'S DUPLEX WALL FOUNTAIN**—A big improvement over the old style Wall Fountain. Made in two pieces, as per illustration, out of galvanized iron. Easy to clean, dead air space between cover and reservoir keeps water cool in summer and from freezing in moderate winter weather. Price, 4-qt. size, \$1.15; 8-qt. size, \$1.40. Parcel Post weight of either, 4 lbs. Heater for same, \$1.75. Parcel Post weight, 2 lbs.

**TWIN DUPLEX FOUNTAIN**—Like above, but constructed with two drinking spaces. Eight-quart size. Price, \$1.65. Parcel Post weight, 5 lbs.

**Five-Gallon Twin Duplex**—Price, \$3.25. Parcel Post weight, 9 lbs.

## BEST FOR BABY CHICKS



3 Pans 75c POST PAID 4 Pans \$1

It fits any Mason jar. The top of the pan can be removed in a second clean or fill. 25c each; 30c postpaid.

## No. 31 Royal Fountain



This Fountain is made in two pieces of galvanized iron. Can be used for growing chicks and large fowls. Capacity, 4 qts. Price, 50c; 60c postpaid.



# Poultry Foods, Tonics, Instruments and Thermometers

Prices on All Foods Subject to Change Without Notice

**CARBOLINEUM**—Will keep your Poultry House clean and free from Mites, Lice and Ticks. It is valuable for the fruit grower as a bark treatment. The best wood preserver known and of great benefit for the farmer, for dipping seed corn, to keep the crows from eating it. Gallon \$1.50. Cannot be sent parcel post.

**LEE'S LICE KILLER**—Liquid—Qt. 60c; 2 qts. 90c; 1 gal. \$1.50.



**LEE'S GERMO-ZONE**—The best tonic for poultry of all kinds. Cures rouse, cholera, and other poultry diseases. 1 gal. \$4.50 32-oz. bottle, \$1.50 12-oz. bottle, 75c; 4-oz. bottle, 40c; 11 tablet form, 65c, postpaid.

**ALFALFA CLOVER MEAL**—Rich in protein and especially desirable for young birds. 5c lb.; 100 lbs. \$3.00.

**BARLEY**—Principally fed for making feathers and bone. 5c lb.

**BEEF SCRAPS**—Very rich in protein; 50 to 55 per cent protein, 12 to 15 per cent fat, 1 to 2 per cent fibre. 8c lb.; 10 lbs. 75c; \$5.50 per 100.

**BONE**—(Coarse and Fine)—For muscle making, producing eggs and as a digester. 5c lb.; 100 lbs. \$3.75.

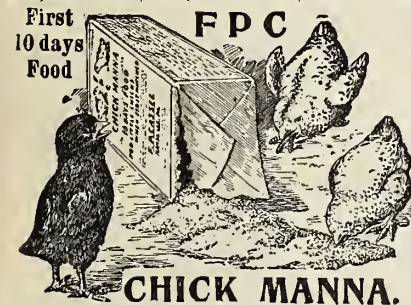
**BRAN** (Wheat)—For mash, etc. An excellent egg maker and very nutritious. 5c lb.

**BUCKWHEAT**—Fed very largely as change of diet. 6c lb.

**CANADA PEAS**—Principally fed to pigeons. 7c lb.

**CHARCOAL**—Three grades, fine, medium and coarse. Disinfects the bowels and tones up the whole system. 1 lb. 8c; 35c for 5 lb.; 10 lbs. 60c; \$2.00 for 50 lbs.; 100 lbs. \$3.50.

**CONKEY'S BUTTERMILK STARTING FOOD**—For Baby Chicks, to be fed for 6 to 8 weeks. 2½ lbs. 20c; 5 lbs. 35c; 10 lbs. 65c; 25 lbs. \$1.50; 100 lbs. \$5.50. Prices subject to change.



**CHICK MANNA**—Is a complete food in every respect, requiring nothing more for the first ten days. Price, 1 lb. 15c; 3 lbs. 40c; 5 lbs. 60c; 15 lbs. \$1.65; 100 lbs. \$8.50.

**CORN CHOPS**—Suitable for either mash or feeding little chicks. 5c lb.

**CORN CRACKED**—Carefully sifted; fine or coarse. 1 lb. 5c.

**CORN WHOLE**—5c lb.

**GLUTEN MEAL**—For feeding to both poultry and cows. 1 lb. 5c.

**GRIT** (Cockeysville Egg Shell)—Fine, medium and coarse. 5 lbs. 15c; 25 lbs. 50c; 50 lbs. 75c; \$1.25 per 100 lbs.

**GRIT** (Red Cross Health)—For pigeons. 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 65c; 50 lbs. \$1.25; 100 lbs. \$2.25.

**OATS GROUND**—This makes an excellent dry feed when combined with other similar ration. 5c lb.

**HEMP SEED**—Fed largely to pigeons, also to poultry during winter months. 8c lb.

**OATS HULLED**—A splendid food for young chicks. 5c lb.

**KAFFIR CORN**—Makes a fine food for pigeons, also used for poultry. 5c lb.

**LINSEED MEAL**—For feeding with the regular ration during the moulting period. 5c lb.

**MIDDINGS**—An excellent change in combination of a mash. 5c lb.

**MILLET** (for feeding)—Highly nutritious and used extensively for pigeons and young chickens. 6c lb.

**OATS**—Splendid for sprouting. 5c lb.; Rolled Oats, 6c per lb.

**OAT MEAL** (Pin Head)—An excellent food for young chicks after they are a few days old. 6c lb.

**LITTER M. & S. IDEAL**—Fine for scratch pens, absorbs moisture, lasts long time. 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 75c; 50 lbs. \$1.25. Large bale of 175 lbs. \$3.50.

**OYSTER SHELLS**—Fine and coarse. 5 lbs. 15c; 50c for 25 lbs.; 50 lbs. 75c; \$1.25 per 100 lbs.

**PIGEON FOOD** (PRATT'S)—Containing the best of grain. 6c lb.; 100 lbs. \$4.50.

**SUNFLOWER SEED**—For poultry, parrots, etc. 10c lb.; 10 lbs. 75c.

**TOBACCO STEMS**—1 lb. 5c; 50 lbs. \$1.50; 100 lbs. \$2.50.

**VETCHES OR TARES**—For pigeon feeding. 8c lb.

**Cyphers Incubator Thermometer**, postpaid, \$1.00.  
**Cyphers Adaptable Hover Thermometer**, \$1.00, postpaid.

**"Tyco's" Incubator Thermometer, No. 5770**—Many poultry raisers prefer the standing type of Incubator Thermometer. No. 5770 is made with metal legs, which fold under and may be adjusted to almost any desired position. Sets in among the eggs on the floor of the incubator. Made in mercury tubes only. Price, 75c each; postpaid, 85c.

**"Tyco's" Incubator Thermometer, No. 5774**—Most popular. Suitable for any incubator. Price, 75c; postpaid, 85c.

**M. & S. Incubator Thermometer**—Very handy, sets on bottom of tray; easy to read. Price, \$1.00, postpaid.

**Tyco's Certified Thermometer No. 5782**—Price, \$1.00.

**"Tyco's" Brooder Thermometer, No. 5792**—Mounted. Price, 60c; 70c postpaid.

**"Tyco's" Incubator Hygrometer, No. 5796**—Price, \$1.50. Extra wicks, 10c each, postpaid.

**Philadelphia Caponizing Set**—In plain box, \$2.50. In velvet lined box, price, \$2.75.



Thermometer No. 5774

**"Tyco's" Incubator Hygrometer, No. 5796**—Price, \$1.50. Extra wicks, 10c each, postpaid.

**Philadelphia Caponizing Set**—In plain box, \$2.50. In velvet lined box, price, \$2.75.

**ANGULAR KILLING KNIVES**—Fig. 7. Price, 50c each.

**FRENCH SAFE EDGE KILLING KNIFE**—Fig. 6. Price, 50c.

**FRENCH POULTRY KILLING KNIFE**—Price, 50c.  
**POULTRY ROUP SYRINGE**, 10c each.  
All the above postpaid.

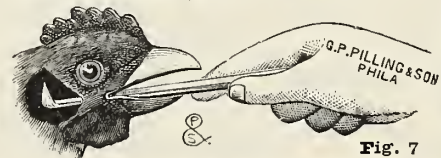


Fig. 7



Fig. 6



Fig. 5

Fig. 6

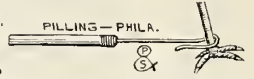


Fig. 7

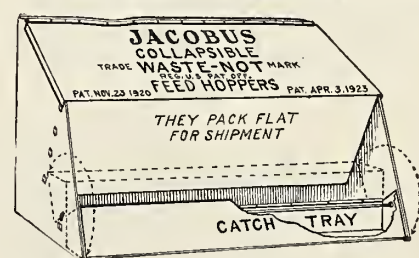
**POULTRY MARKER**—In shape of pliers. 25c, postpaid. Fig. 6.

**MOES POULTRY PUNCH**—Fig. 8. The best punch made, easy to handle and will not bruise the web of the little chicks foot, 50c, postpaid.



Fig. 8

## Jacobus Waste-Not Feed Hoppers



The Jacobus Waste-Not Feed Hoppers are now made collapsible. They have also been further improved in proportions and sizes. They pack flat for shipment, take little room for storage and are easily carried home by the purchaser. These hoppers prevent poultry spilling their food and wasting it as they do when feeding from ordinary hoppers. In short, this large and needless waste, which is the cause of so many high feed bills, can be prevented by the use of the Jacobus Collapsible Waste-Not Feed Hoppers.

**Twenty-Quart Size**—Each \$3.75.  
**Forty-Quart Size**—Each \$5.75.  
**Seventy-five-Quart Size**—Each \$12.75.

**Chick Size**—These hoppers hold about four and a half (4½) quarts of food and are used for feeding chicks from the time they are hatched until they are large enough to feed from any of our other size hoppers. Each \$2.50.





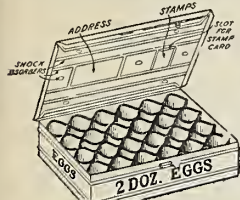


## Metal Egg Crates

Sell Eggs by Mail to Your City Friends Shipped in Aluminized Metal Egg Crates. Indestructible; made for interchangeable shipments; lasts for years; pays for itself in a few shipments. Buy yours now and realize more money for your eggs. Your friends want them. Thousands now in daily use.

The Metal Edge Filler is a wonder. A new invention and cannot be beat for safely carrying eggs by mail. Light in weight and very strong.

Price of eggs in the city is about double the price obtained by the farmer at a local store for selected eggs. You might as well be receiving this added profit by shipping your eggs direct.



Metal Egg Crates

Butter and Eggs safely carried by mail in same crate. Can also be used in sending other products. See Combination Crat

### Mailing Rates

Weights	Postage	
	Empty.	Filled.
1½ doz. size.....	3 lbs.	7c 9c
2 doz. size.....	3 lbs.	7c 10c
3 doz. size.....	4 lbs.	8c 12c
4 doz. size.....	5 lbs.	9c 15c
6 doz. size.....	6 lbs.	10c 19c
9 doz. size.....	8 lbs.	12c 26c
12 doz. size.....	10 lbs.	14c 32c
Comb. No. 1.....	3 lbs.	7c 10c
Comb. No. 2.....	4 lbs.	8c 15c
Comb. No. 3.....	5 lbs.	9c 18c
Comb. No. 4.....	3 lbs.	...
Comb. No. 5.....	5 lbs.	...
Comb. No. 6.....	5 lbs.	...
Comb. No. 7.....	6 lbs.	...

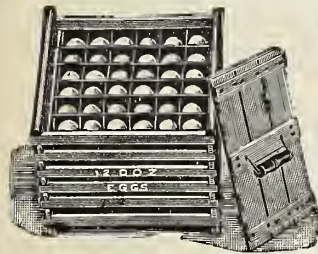
The above postage rates apply to the second zone or 150 miles. Add postage to your destination.

### Metal Egg Crates Prices

1½ doz. size—all eggs.....	\$1.25
2 doz. size—all eggs.....	1.50
3 doz. size—all eggs.....	1.75
4 doz. size—all eggs.....	2.00
6 doz. size—all eggs.....	2.50
9 doz. size—all eggs.....	3.25
12 doz. size—all eggs.....	4.00

### Prices Combination Crates With Metal Containers

No. 1—2 lbs. and 1 doz. eggs.....	\$1.50
No. 2—4 lbs. and 2 doz. eggs.....	2.00
No. 3—4 lbs. and 3 doz. eggs.....	2.25
No. 4—6 lbs. (3 2-lb. Containers).....	2.25
No. 5—12 lbs. (3 4-lb. Containers).....	2.50
No. 6—16 lbs. (2 8-lb. Containers).....	2.50
No. 7—24 lbs. (2 12-lb. Containers).....	3.50



**M. & S. EGG BOX**—Fig. 8. This is an ideal box for the retail egg trade holding 1 dozen, presenting the goods to the customer in an attractive package with the minimum amount of trouble for the seller. They knock down in very compact shape. 15c per dozen; weight, 2 lbs., \$1.25 for 125; weight, 11 lbs., \$2.50 per pkg. of 250, 1,000 \$9.00.

**CONTINENTAL EGG BOX**—Carries six on each side. 20c doz.; 100, \$1.50; 250, original pkg., \$3.75; 1,000, \$14.25.

## Keipper Slide-Top Door Shipping Coop

Made from Light Cedar Wood combining strength, durability and light weight for exhibition purpose. Each. ½ Doz. Doz.

No. 18—Size 12x18x21 inches high.....	\$0.80	\$4.50	\$8.00
No. 19—Size 12x21x21 inches high.....	1.00	5.50	10.00
No. 20—Size 20x24x21 inches high.....	1.55	8.75	16.50
No. 21—Size 12x21x24 inches high.....	1.40	8.00	15.00



**Mehler Scrapper**—Positively the best and handiest tool which has ever been offered to Poultry Keepers. Works both ways coming and going. Made of the very best hard pressed steel. Price, \$1.00. 50c; postpaid, 60c.

**ANDERSON EGG BOXES**—Fig. 11. These are made of corrugated paper and are very strong, intended only for sending of setting eggs.



Fig. 11

	Each.	Doz.
One setting—weight, 1 lb. each; 18 lbs., doz.....	\$0.25	\$2.75
Two settings—weight, 2 lbs. each; 28 lbs., doz.....	.35	4.00
50-egg size—weight, 4 lbs. each; 40 lbs., doz.....	.50	5.50

Commercial Egg Box Filler, \$3.75 per gross, 40c per dozen.

## Chick Boxes

### LIVE CHICK SHIPPING BOX

Made of corrugated paper, extensively used, will carry chicks any distance with perfect safety. Are shipped knocked down and take up small amount of space.



	Wt. of box.	Size.	Each.	Doz.
25 chicks .....	1	9x11x5½	20c	\$1.75
50 chicks .....	2	18x11x5½	25c	2.50
100 chicks .....	3	18x22x5½	30c	3.25

### SULPHUR FUMIGATING CANDLES

A Microbe and Germ killer. Also lice and mite destroyer. Is put up in original form with wick ready for the match. 15c each, 2 for 25c. Parcel Post weight, 1 lb.

**X-RAY EGG TESTER**—Price, 35c each. Mailing weight, 1 lb.



## Wire Nests and Nest Eggs

These nests are strongly made from coppered wire, reinforced with coppered steel ribs, and will last for years. They are intended to fasten to the wall with screws or screw hooks. There is no room on them for lodgment of lice or vermin of any kind; they are easy to keep clean, and are far superior to wooden boxes. Price, each, 25c; \$2.50 per dozen. Parcel Post wt. 1 lb. each.

**Opal Nest Egg**—Prices: 5c each; dozen, 40c. Special price on quantities. Weight, 1 dozen, 1 lb.

**M. & S. Lime Nest Egg**—Will last indefinitely; looks most natural. 5c each; 50c dozen, postpaid.

**Incubator Wicks**—State sizes wanted. Price, 2 for 5c; doz. 25c, postpaid.

**Brooder Wicks**—State sizes wanted. Price, 2 for 5c; doz. 25c, postpaid.

**Incubator and Brooder Lamp Burners**—For "Mandy Lee," Cyphers, Essex, Prairie State and other makes. No. 2 and 3—Large size, 95c; No. 1 takes 1 in. wick, has large flange, 75c; small size, No. 0, 55c. Mailing weight, either size, 1 lb.

**"Zenith" Chimneyless Brooder Lamp Burner**—Price, 75c. Mailing weight, 1 lb.

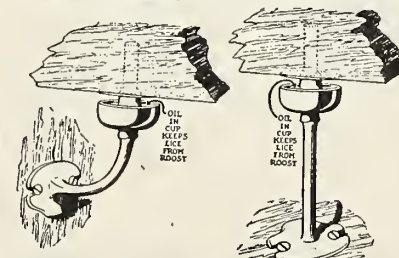
**Metal Chimney**—To fit above burners. 30c; postpaid, 35c.

**Incubator Lamp Tanks without Burners**—small size, \$1.15; medium size, \$1.25; large size, \$1.40. Parcel Post wgt., 3 lbs.

**Gas Burner for Incubators**—Price, 50c each, postpaid.

### M. & S. LICE PROOF PERCH SUPPORT

These are indispensable in any poultry house, lice and mite are what stop your hens



from laying. Price, 50c a pair (either straight or curved). Parcel Post weight, 3 lbs.

## Breeders' Magic Egg Tester

Is now universally used by poultrymen everywhere to select the strongest eggs for hatching BEFORE incubation. Requires no skill nor expense to operate—just a pair of hands and eyes. Tests 400 eggs per hour, and the greatest money saver in the realm of poultry supplies. Fully guaranteed, \$2.50 each.



# M. & S. BIRD, POULTRY AND ANIMAL REMEDIES

## Song Bird Supplies



Canary Seed .....	Lb. 15c	Thistle .....	Lb. 45c
Bird Rape .....	15c	Sunflower .....	10c
Millet .....	06c	Hemp Seed .....	08c
Poppy or Maw .....	30c	Mixed Bird Seed .....	15c
Flax Seed .....		20c	

**Cuttle Fish Bone**—Price, 5c each; 50c lb.  
**"Gloria" Song-Restorer Food**—This is an important article which is scientifically proportioned and has been fed with great success. Price, 1 lb. 25c.

**For-get-me-not, Wild Bird, Seed Mixture**—Feed the little songsters in the winter time. 15c lb.

**Bee Brand Lice Powder**—A most effective remedy for killings lice and fleas on birds, cats, dogs, monkeys, rabbits, etc. Price, 15c, 35c and 70c a can, postpaid.

**Bird Sand for Canaries and other birds.** Very necessary. What we offer is sifted and free from all dust. Carton, 15c per lb. Parcel Post weight, 3 lbs.

**"American" Turkey Powder**—It is sure to raise your young turkeys to healthy birds. Shipping weight, 2 lbs. Price, 30c.

**Margaret Mahaney Black Head Remedy Pills and Salve**—For turkeys; sure cure. Price, \$1.00, postpaid.

**Margaret Mahaney Turkey Condition Powder**—1-lb. pkg. \$1.00.

**Margaret Mahaney—"Talk on Turkeys"**—Valuable book. \$1.00.

**Dr. Hess' Poultry Pan-a-cea**—Guaranteed tonic and egg producer. 1½-lb. pkg. 25c; 6-lb. pkg. 75c; 12-lb. pkg. \$1.50; 25-lb. pail \$3.00; 50 lbs. \$5.50; 100 lbs. \$10.00.



**"Zenoleum" Disinfectant**—Lice Killer and Animal Dip — We have been selling this article for years and find it most

satisfactory. One gallon makes 100 gallons of fluid. 8 oz. 35c; 1 pt. 50c; 1 qt. 75c; 2 qt. \$1.25; 1 gal. \$2.00; 5 gal. \$8.00. Liquid.

**Succulenta Tablets**—Substitute for green feed, to be put in drinking water. 100 tablets, 50c; 250, \$1.00; 500, \$1.75; 1,000, \$3.00; postpaid.

**Choline—For Fowl.** A wonderful remedy for cholera, roup, white diarrhoea, limberneck and other germ diseases. In pill form. 65c each; large size, \$1.00; postpaid.



Stops and cures Roup, Canker, Scaly Legs, Bumblefoot, Chicken Pox, Black Head in Turkeys and other contagious poultry diseases.

**FOR YOUR SHOW BIRDS**

B-K removes all stains—keeps plumage, skins and combs clean and bright—destroys nits and eggs of lice. Keeps the flock healthy and snappy.



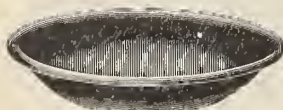
Greatest Household Purifier, Cleanser, Deodorant Germ Destroyer.

Non-Poisonous, Colorless, Leaves no Order.

Circular on request.

Trial size, 60c; quart, \$1.25; gallon, \$3.00. Express only.

## Fibre Pigeon Nests



**Indurated Fibre Pigeon Nest**—Fills a long-felt want for all squab breeders. Price, 30c each; weight, 1 lb.; \$3.00 per doz.; weight, 9 lbs. Clay Pigeon Nest 25c each, \$2.50 doz.



## CARBOLA

Saves Time and Labor Gives Better Results

**CARBOLA**—The Disinfectant That Paints—Use it instead of Whitewash. Put on with a brush or sprayer—A snow-white cold water paint that will not blister, flake or peel off, combined with a germicide twenty times stronger than carbolic acid, but neither caustic nor poisonous.

Particularly good for use in stables, cow barns, chicken coops, dairies, hog pens, creameries, cellars, factories, outbuildings.

**Prices:** Trial package, by parcel post, 30c, paints and disinfects 250 square ft. 5 lbs. makes 5 gals. 75c; 10 lbs. \$1.25; 50 lbs. \$5.00; 300 lbs. at 9c lb.

**Rat Annihilator** — A biscuit in poison form. 25c; \$2.00 doz.

**RAX**—See page 28.

**BARIUM CARBONATE** —A tasteless and odorless mineral recommended by the U. S. Government for exterminating rats and mice. It was used for cleaning Baltimore of this pest. 25c pkt. \$2.50 per doz.

## Common Sense Exterminator KILLS RATS



Why feed rats when a 25c can of "Common Sense" will clean them out?

"Common Sense" has been on the market for over a quarter century. It does the work or we would not handle it. Get a can NOW and if you do not find it entirely satisfactory, we will refund your money.

## DETHOL

Destroys all insects. It is stainless; can be sprayed direct on poultry. A thorough disinfectant. 1 pt. 50c; 1 qt. \$1.00; 1 gal. \$3.00. Combination Sprayer and Pint of Dethol, 85c. Being a liquid, it cannot be sent by parcel post; express only.



## Pratt's Egg Preserver

Put your eggs down in the spring and summer when they are cheap and keep them fresh for ten months. One gallon makes sufficient solution for 50 dozen. Do not trust eggs to water glass of inferior strength. Buy **PRATT'S EGG PRESERVER**, the pure, strong kind. It will stand the maximum amount of dilution with water. Price, 1 quart, 35c; 1 gallon, \$1.00.

**EGG-O-LATUM** is a white cerate or ointment. Rubbed over the shell of the egg it seals every pore so that nothing can get in or out. The egg does not dry out. No air, moisture, odors, or germs can get in. The egg is preserved in all its original freshness. The application of Egg-O-Latum is easily and quickly done. A dozen per minute. Fresh eggs must be used, preferably unfertile. Per jar, 50c, postpaid. Enough for 50 dozen eggs.

### EGG-O-HATCH

**Egg-O-Hatch** is a dry powder. It is mixed with water and the resulting liquid is applied to eggs two or three times during the 21 days of incubation. It is a liquid that does three things—supplies oxygen for the growing chick; absorbs carbon dioxide given off, makes more brittle and porous the shell of the egg. 50c per pkg., postpaid.

## Anti-Setting Device

STOPS THE HEN SETTING

Breaks 'Em Up in 24 Hours (Patent Applied For)

Does not in any way injure the fowl. Requires five seconds to apply. Wrap around the leg joint blank sides front and back; allow the hen to feed and run with the flock 24 hours, then remove. Price, 15c each; \$1.50 dozen, postpaid.







## We Sell and Recommend Burrell-Dugger Guaranteed Poultry Remedies



### DON SUNG Makes Hens Lay!

**We Guarantee you--More Eggs or No Pay**  
 "Hens won't lay in Fall and Winter," used to be accepted as a fact. But anyone who has tried Don Sung knows that hens will lay right through the zero spells of winter, and all other cold or wet seasons. Some may doubt this—and you may be one of them. But if you don't at least try Don Sung, you are missing some sure, easy profits from extra eggs.



**A Mineral Compound that Scientifically Helps Nature**  
 Don Sung doesn't force or hurt the hen in any way. It is a balanced mineral conditioner. It improves the hen's health, tones up her egg-laying organs, and makes her stronger and more productive. It helps supply, during Fall and Winter, those mineral elements, lacking in the feed at that time.

**Costs Nothing to Try—Give Don Sung to 15 hens for 30 days.** If it doesn't show you a big increase in eggs, if it doesn't pay for itself and a good profit, your money will be promptly refunded.  
 Prices: Trial size, 50c; Large size, \$1, holds 3 times the 50c size; SPECIAL SIZE (6 times the \$1 size)—\$5.

### To Kill Chicken Lice!

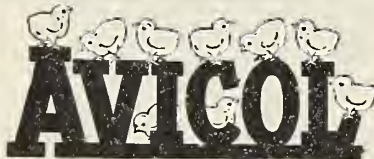


The U. S. Dept. of Agriculture says, "Nothing is as satisfactory as Sodium Fluoride. It kills both old and young lice, including the young which hatch from the eggs present on the fowl at time of treatment." Talcimized Sodium Fluoride is the form for poultrymen to use. Here it is, Ready to Use.

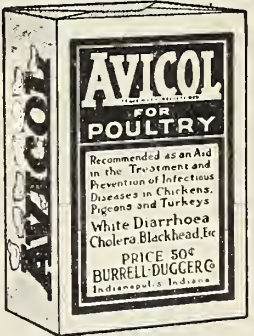
Here is T. S. F., specially made for poultry. It is less irritating, and is so light and fluffy that it penetrates the plumage. It is in a handy sifter-top can that keeps it protected. Carries the Government's directions for use by the "dusting," "dip" and "pinch" method.

**Prices of T. S. F. Delivered**  
 Small Size (enough for 40 chickens) ..... 40c  
 Large Size (Twice as much) ..... 70c  
 Special Size (Five times the large size) ..... \$2.65

**TALCIMIZED SODIUM FLUORIDE**  
 (Called "T.S.F.")  
 (All these prices include packing and postage.)



**Stops Chicks Dying**  
**The Wonder Remedy for WHITE DIARRHOEA or Cholera in chicks, and Black-Head in Turkeys**  
**Does work in 48 Hours**



White Diarrhoea kills half of nearly every hatch of chicks. The strange thing is that so many people think this loss can't be stopped. But it can be stopped, without extra work, without troublesome dosing, and at almost no cost. For years, thousands have saved their sick chicks and raised nearly every chick in every hatch, by keeping Avicol in the drinking water.

Avicol is a bowel antiseptic. It makes chickens healthy and keeps them healthy. Costs less than a cent a day for an ordinary flock. Guaranteed.



Price 50c; Large Size (Almost 3 times as much) \$1.



## Roup-Over

*"The Over-Night Roup Remedy"*

**A New Prompt and Positive Guaranteed Treatment for Roup, Canker and Colds in Poultry**

Roup works fast. It usually begins with a cold. After that, the disease progresses rapidly. It is very contagious and can soon kill every chicken you own. Roup is one of the most serious of poultry diseases.

**Keep Roup-Over on hand** and at the first symptoms of a cold in your flock, give it to every affected bird. It clears the air passages and brings relief with magic quickness. Easily given. Comes in a liquid form and a few drops does the work. Fully guaranteed.

Price 50c; Large Size \$1 (Three times 50c size)

## For Gapes in Chicks!

When gapes starts in your flock, get the best of it promptly or it may kill all your chicks. Get Trakol and watch it quickly master the situation. Easily given in the drinking water. Guaranteed. Price 50c.

Trakol

For Gapes In Chicks



## Conkey's Remedies



Don't  
Worry!  
Conkey  
Will Cure  
Me

**Roup Remedy**—Pkgs. 30c, 60c, \$1.20; 1½ lb. can, \$2.50; breeder size (5-lb. can), \$5.75. All postpaid.

**Roup Pills**—Pkgs. 30c, 60c, \$1.20. All postpaid. Breeder size (1,000 pills) \$3.00 or \$3.10 postpaid.

**Canker and Bronchitis Remedy**—Pkg. 50c, postpaid.

**Cholera Remedy**—Pkgs. 25c, 50c, \$1.00, postpaid. Breeder size (5 lbs.) \$2.50, or \$2.65, postpaid.

**Gape Remedy**—Pkgs. 25c, 50c; or 30c, 55c, postpaid.

**Poultry Conditioner**—Pkgs. 25c, 50c; or 30, 55c, postpaid.

**Scaly Leg Remedy**—Pkg. 25c, postpaid.

**Limberneck Remedy**—Pkgs. 50c; or 55c, postpaid.

**Nox**—Pkgs. 6 cubes, 25c; 15 cubes, 60c; 30 cubes, \$1.00; 75 cubes (2½ lb.), \$1.75; 150 cubes (5 lbs.), \$3.25. Parcel post, express or freight extra.

**Lice Powder**—Pkgs. 20c, 35c, 75c; pails, 12 lbs. \$2.60; 25 lbs. \$5.00. Parcel post, express or freight charges extra.

**Mite Liquid**—Cans: Qt. 60c, 2 qt. 90c, gal. \$1.50, 5 gals. \$7.00. Parcel post, express or freight extra.

**Head Lice Ointment**—Pkgs. 10c, 25c, postpaid.

**Lice Fix**—Pkgs. 25c, 50c, postpaid.

**Sorehead Remedy**—Pkgs. 25c, 50c; or 30c, 55c, postpaid; breeder size (1 lb.) salve, 5-lb. powder, \$3.50.

**Poultry Worm Remedy**—Pkgs. 25c, 50c; or 30c, 55c, postpaid. Breeder size (5 lbs.), \$2.75; or \$2.85, postpaid.

**Blackhead Remedy**—Pkgs. 50c, 55c, postpaid.

**Poultry Laxative**—Pkgs. 25c, 50c, or 30c, 55c, postpaid. Breeder size (5 lbs.), \$2.75, or \$2.90, postpaid.

**Stock Tonic**—Pkgs. 25c, 50c; pails, 12 lbs. \$2.10; 25 lbs. \$3.45; bags, 50 lbs. \$5.25; 100 lbs. \$10.00. Parcel post, express or freight extra.

**Fly Knocker**—Cans: Qt. 60c; ½ gal. 90c; gal. \$1.50; 5 gals. \$7.25; 10 gals. \$14.00. Parcel post, express or freight extra.

**Poultry Tonic**—Pkgs. 25c, 50c, \$1.00; pail, 12 lbs. \$1.60; 25 lbs. \$3.00; bag 50 lbs. \$5.00; 100 lbs. \$9.50. Parcel post, express or freight extra.

**Nox-I-cide Dip and Disinfectant**—Cans: Pt. 50c; qt. 80c; ½ gal. \$1.30; gal. \$2.00; 5 gals. \$9.25; 10 gals. \$17.75.

**White Diarrhea Remedy**—Pkgs. 30c, 60c, \$1.20, all postpaid. Breeder size (1,200 tablets), \$4.00 or \$4.10, postpaid.

## Dog Foods, Remedies, Etc.



**Standard Dog Food**—A food for dogs and puppies. The best dog food on the market in the shape of meal; can be fed dry or wet. We have hundreds of customers who are feeding this highly nutritious food. Price of Food, 1 lb. 10c; 5 lbs. 40c; 10 lbs. 75c; 100 lbs. \$6.50. Price subject to change.

**Spratt's Meat Fibrine Vegetable Dog Cakes**—A staple food for all breeds; too well known to be described. Price, 1 lb. 15c; 100 lbs. \$13.50. Price subject to change.

**Spratt's Puppy Biscuits**—The standard puppy food. 1 lb. 15c; 100 lbs. \$14.00.

**Spratt's Ovals**—The Pocket Dog Biscuit. 40c, postpaid 42c.

**Spratt's Fibro**—An appetizing and flesh-forming food for puppies and dogs out of condition. Pkg. 40c, postpaid 42c.

**Spratt's Charcoal Biscuit**—40c pkg., postpaid 42c.

**Spratt's Cod Liver Oil Biscuit**—40c pkg., postpaid 42c.

**Spratt's White Dog Soap**—Death to fleas. Price, 25c. Mailing weight, 1 lb.

**Spratt's Cooling and Alterative Tablets**—For heated blood, etc. 60c.

**Spratt's Anti-Rickets Tablets**—A bone and muscle builder. 60c.

**Spratt's Anti-Asthmatic Tablets**—For Asthma, etc. 60c.

**Spratt's Bone Builder**—For Rickets, Osteoporosis, etc. 75c.

**Spratt's Choera Tablets**—For Chorea, St. Vitus' Dance, etc. 60c.

**Spratt's Chronic Skin Disease Tablets**—For obstinate cases of Mange and Eczema. 60c.

**Spratt's Cough Tablets**—Generally effect a quick cure. 60c.

**Spratt's Constipation Tablets**—A gentle and effective laxative. 60c.

**Spratt's Digestive Tablets**—For severe cases of indigestion. 60c.

**Spratt's Diarrhoea Tablets**. 60c.

**Spratt's Distemper Tablets**—May be used as a preventive. \$1.00.

**Spratt's Ear Canker Ointment**—For both internal and external forms of this disease. 60c.

**Spratt's Eye Lotion Tablets**—A safe and efficient remedy. 60c.

**Spratt's Eczema and Sarcoptic Mange Medicine**—60c.

**Spratt's Hair Stimulant and Restorer**—60c.

**Spratt's Jaundice Tablets**—Valuable in treating "Yellows," etc. 60c.

**Spratt's Kidney Tablets**—For Cystitis or Inflammation of the Bladder, etc. 60c.

**Spratt's Liniment**—For Rheumatism, Sprains, etc. 60c.

**Spratt's Locurium Ointment**—60c.

**Spratt's Mange Medicine**—60c.

**Spratt's Mouth and Throat Wash**—For Ulceration of the Mouth, Sore Gums, etc. 60c.

**Spratt's Pneumonia Tablets**—Administer as soon as possible. 60c.

**Spratt's Purgative Tablets**—Perfectly safe and effective. 60c.

**Spratt's Rheumatism Tablets**—For internal treatment. 60c.

**Spratt's Tonic and Condition Tablets**—60c.

**Spratt's Worm Capsules**—For grown dogs. 60c.

**Spratt's Tonic and Condition Tablets for Toy Dogs and Puppies**—60c.

**Spratt's Distemper Tablets for Toy Dogs and Puppies**—\$1.00.

**Spratt's Vermifuge Capsules for Toy Dogs and Puppies**—60c.

PRICES INCLUDE POSTAGE, EXCEPT WHERE NOTED

## Sergeant's Dog Remedies

**Distemper Medicine**—Price, \$1.20. Postpaid.

**Mange Medicine**—Price, 65c. Not mailable.

**Condition Pills**—Price, 60c. Postpaid.

**Sure Shot Capsules**—Price, 60c. Postpaid.

**Sure Shot Liquid**—Price, 60c. Not mailable.

**Arsenic and Iron Pills**—Price, 60c. Postpaid.

**Dog Rub (a Liniment)**—Price, 60c. Not mailable.

**Canker Wash**—Price, 60c. Not mailable.

**Cough Medicine**—Price, 60c. Not mailable.

**Well Mouth (Sore Mouth and Black Tongue)**—Price, 60c. Not mailable.

**Eye Wash**—Price, 60c. Not mailable.

**Tape Worm Medicine**—Price, 60c. Postpaid.

**Rheumatism Pills**—Price, 60c. Postpaid.

**Constipation Capsules**—Price, 60c. Postpaid.

**Skip-Flea Soap**—Price, 25c. Postpaid.

**Carbolic-Tar Soap**—Price, 25c. Postpaid.

Send for special book on dogs—Spratt's and Sergeants.

"All About Airdales," by Palmer. Price, \$1.00 per copy.

If at any time, you want any advice regarding the care of your animals, write us and we will do our best to advise you.

## Pure Cedar Bedding

FOR USE WITH DOGS, POULTRY AND PETS  
A Preventive of Disease and Vermin

NO FLEAS, NO VERMIN, NO DISEASE where Cedar Bedding is used.

ENDORSED BY DOG HOSPITALS and large kennels of the country and by many Poultry Fanciers.

Owing to the large number of calls for small packages of our Cedar Bedding to be sent by Parcel Post, we are now putting it up in 1-lb. packages, and sending by Parcel Post. 40c per package, prepaid. Stamps will be accepted.

### PRICES OF CEDAR BEDDING

100-lb. bales	.....	\$6.50
50-lb. bales	.....	3.75
25-lb. bales	.....	2.25
1-lb. bales, postpaid	.....	.40



# M. & S. WONDER BRED CHICKS

Are hatched to live and mature to big fine healthy specimens. We are this season hatching thousands weekly, and are better prepared than ever to fill wants of patrons.

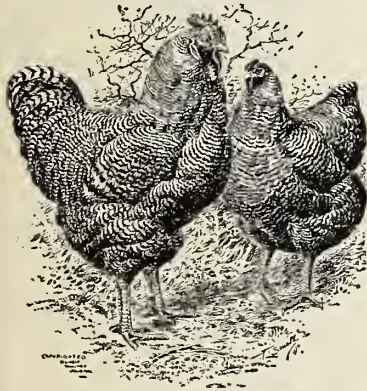
We advise placing orders ahead of time, as the demand for our M. & S. WONDER BRED CHICKS is always great. We will start deliveries the last week in February and continue until the first of September on all popular breeds.

## LIST OF M. & S. WONDER BRED CHICKS

Prices for February and March Subject to Change Without Notice

	100	50	25	12
Single Comb White Leghorns.....	\$17.00	\$9.00	\$4.75	\$2.50
Single Comb Brown Leghorns.....	17.00	9.00	4.75	2.50
Single Comb Buff Leghorns.....	17.00	9.00	4.75	2.50
Single Comb Black Minorcas.....	20.00	10.50	5.50	3.00
Single Comb Mottled Anconas.....	20.00	10.50	5.50	3.00
Barred Plymouth Rocks.....	20.00	10.50	5.50	3.00
Rhode Island Reds.....	20.00	10.50	5.50	3.00
White Wyandotte.....	20.00	10.50	5.50	3.00
White Plymouth Rocks.....	22.00	11.50	6.00	3.25
Buff Plymouth Rocks.....	22.00	11.50	6.00	3.25
Buff Orpington.....	22.00	11.50	6.00	3.25
Jersey Black Giants.....	40.00	22.00	12.00	6.50

April prices \$1.00 per 100 less than February and March. May and June prices \$1.00 per 100 less than April. Small quantities accordingly. Prices Subject to Change.



Barred Plymouth Rocks

## Plymouth Rocks

The best general purpose fowl; good layers, splendid breeders, are hardy and vigorous. Four varieties: Barred, White, Buff and Partridge Rocks.

Baltimore, Md., Oct. 15, 1924. Gentlemen: The M. & S. Wonder Bred Buff Orpington Chicks which I purchased from you in the spring began laying when only 5 1/2 months old. I consider this a mighty good record.—Yours truly, H. C. Peddicord, 4317 Walnut Ave., Rognel Heights.

I am pleased to say that M. & S. Wonder Bred Baby Chicks are a fine lot.—Mr Dorrance, Belair, Md.

Baltimore, Md., February 12, 1924.

Gentlemen: Please send me your catalogue as I want to order some more chicks. I had very good luck with those I bought last year and hope to have the same this season. Yours truly,

N. H. ADAMS, McDonough P. O.

## Prices on Poultry and Eggs

(Prices Subject to Change)

Single Birds .....	from \$4.50 to \$ 8.00
Pairs .....	from 8.50 to 15.00
Trios .....	from 12.00 to 17.50
Pens (4 Females, 1 Male).....	from 20.00 to 30.00
Ducks 11; \$2.50 to \$5.00. 100 or more, \$12.00 to \$15.00. 50 at	
Prices on Eggs for Chickens and Ducks, per setting of 15;	
Ducks 11; \$2.50 to \$5.00. 100 or more, \$12.00 to \$15.00 (50 at 100 rate).	

### Pratts Poultry Regular (For Health and Eggs)

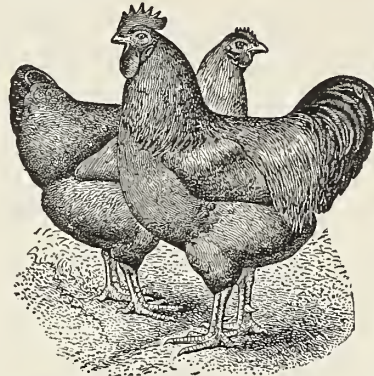
—Use it the year 'round for breeders, layers and growing stock. Pkg. 25c and 50c. Parcel post weight, 2 and 5 lbs.; 12-lb. pall, \$1.65; 25-lb. pall, \$3.00; 100-lb. drum, \$10.00.

**Pratts White Diarrhea Tablets** in the drinking water for the first couple of weeks. Proven by years of success, it will save you many dollars and chicks. Guaranteed. 25c and 50c packages.

**Pratts Special Compound**—For indigestion, sour crop, diarrhea and bowel troubles, commonly called CHOLERA. Gives quick, effective relief. Easy to use. Certain in action. Guaranteed. 25c and 50c packages.

**Pratts Red Mite Special**—Paint or spray around the poultry house, on nests, roosts, etc., it is sure death to all mites and lice. Powerful, efficient, lasting. Use it where others have failed. It will surprise you. 50c a quart; 90c a half gallon; \$1.50 a gallon, not postpaid.

**Pratts Poultry Disinfectant** insures poultry health. It is a cheap, powerful, non-poisonous disinfectant. Quart, 55c; half gallon, 90c; gallon, \$1.50, not postpaid.



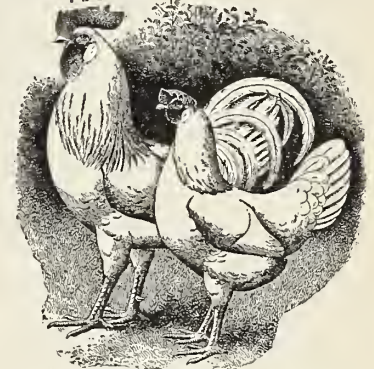
Single Comb Rhode Island Reds

## Single Comb Leghorns

The most popular fowl of the day. They grow very fast, often laying when only four or five months old; non-setters. Three varieties—White, Brown, and Buff Leghorns.

Baltimore, Md., July 23, '24.

Gentlemen: On April 4th I purchased from you some M. & L. Wonder Bred Buff Leghorn Chicks. On July 22nd I was agreeable surprised when feeding in the evening to find that one of the pullets had laid.—Yours truly, F. Clarence Grote, 307 W. Hayward Ave.



Single Comb White Leghorns

Ridgewood, N. J., April 5th, 1924.

Gentlemen: We received the 300 M. & S. Wonder Bred Chicks last night O. K. They are a healthy looking crowd. Yours truly,

JOHN DRENTH & SONS.

Raspeburg, Md., November 18, 1924.

Gentlemen: The 300 M. & S. Wonder Bred White Leghorn Chicks which I bought from you in the spring were a fine lot. 310 of the pullets started laying when 5 1/2 months old. I sold cockerels enough to pay for the entire lot. Yours truly,

LEO CHASSAGNE.

Gentlemen,—The Wishbone Valveless Brooder which I bought from you last season has given me much satisfaction and I would not hesitate to recommend it to anyone.

Yours truly, MR. WM. C. HAUPT, Raspeburg, Md.



**Pratts Roup Tablets (or Powder)**—Save your birds from heavy roup losses. Guaranteed to give satisfaction or your money back. 25c and 50c packages.

**Pratts Gape Compound** an effective, easy remedy that will prevent further losses and save the sick chicks. Try it. 25c and 50c packages.

**Pratts Bronchitis Tablets**—25c and 50c a box.

**Pratts Head Lice Ointment**, 30c.

**Pratts Lice Salve**—25c and 50c.

**Pratts Scaly Leg Ointment**—30c and 60c a box.

**Pratts Condition Tablets**—25c and 50c boxes.

**Pratts Sore Head Chicken Fox Remedy**—30c and 60c packages.

**Pratts Powdered Lice Killer** is powerful, economical, non-poisonous and non-irritating. For use on poultry, in dustbaths, nests, etc. Rids poultry of all ages, dogs, cats, horses, cattle, hogs and sheep of lice, ticks and other insect pests. Can also be used on vines, plants and flowers. In sifter cans, 25c and 50c. Postpaid, add 5c & 10c. All postpaid unless stated otherwise.





# FERTILIZERS AND PLANT FOODS

## For the Farm, Garden, Lawn and House Plants

All Prices on Fertilizers Are Subject to Market Changes

Agents for OBER'S FERTILIZERS

**ASPARAGUS SALT**—Applied in spring 600 to 800 lbs. per acre, for destroying weeds. 56 lb. \$1.25; original sack, 140 lbs. \$2.25.

**BLOOD (DRIED)**—For indoor and outdoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. Fine for ferns. 1 lb. 15c; 5 lb. 60c; \$1.00 per 10 lb.; 25 lbs. \$2.00; \$3.75 per 50 lbs.; 100 lbs. \$7.00; \$12.00 per 200 lbs.

**BONE MEAL (Ober's Pure 3-50)**—Splendid article for building up wornout soil, lawns, etc. 1 lb. 6c; 10 lb. 50c; 25 lbs. \$1.25; 100 lbs. \$3.50; 200 lbs. \$6.00; ton, \$52.00. Quick acting.

**BONE MEAL (Ober's Raw 4½-48)**—Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. Does not burn. We recommend this especially for greenhouses or any purpose where a high-class slow acting fertilizer counts. 1 lb. 6c; 10 lbs. 50c; 25 lbs. \$1.25; 100 lbs. \$3.50; 200 lbs. \$6.50; ton, \$60.00. Slow acting.

**BONE FLOUR**—Finely pulverized and bolted. Effective immediately. For rose growing this cannot be excelled. Rich in phosphoric acid and ammonia. Apply 600 lbs. per acre. 5 lbs. 50c; 10 lbs. 85c; 25 lbs. \$1.50; 50 lbs. \$2.75; 100 lbs. \$5.00; 200 lbs. \$8.50.

**COW OR CATTLE MANURE (Wizard Brand) (Shredded)**—Convenient to handle, making it possible for everyone to get this usually scarce article at all times. This is where you get a wagon load of manure in a 100 lb. bag. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.50; 500 lbs. \$15.00; 1,000 lbs. \$27.50; per ton, \$52.50.

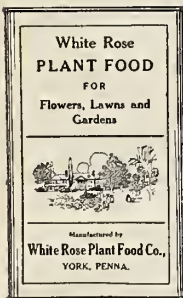
**FLEURETTE**—A Liquid Plant Food. Makes strong and rapid growth. To be diluted with water as per directions. ¼ pt. 25c; 1 pt. 40c; 1 qt. 75c. Not mailable.

**LAND PLASTER**—Intensifies the color of roses, other flowers as well. Used for top dressing newly plowed land prior to harrowing; also for sweetening the soil on lawns and fields. Apply 1,000 to 1,500 lbs. per acre. 40c for 10 lbs.; 25 lbs. 60c; \$1.00 for 50 lbs.; 100 lbs. \$1.75; \$2.50 for 200 lbs.

**LIME (Hydrated or Powdered)**—Promotes growth and gives the grass a rich color. Apply one ton per acre on fields, or ½ ton on lawns. 5 lbs. 20c; 10 lbs. 30c; 50 lbs. \$1.00; 100 lbs. \$1.75; 500 lbs. \$6.25; 1,000 lbs. \$11.50. Ton prices on application.

**MURIATE OF POTASH**—Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent actual potash. 15c per lb.; 2 lbs. 25c; 5 lbs. 50c.

**NITRATE OF SODA**—Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. 1 lb. 15c; 50c per 5 lbs. Larger quantities on application.



**WHITE ROSE PLANT FOOD** is scientifically prepared by experts after exhaustive study and experiment. The ingredients are of such a nature that the plant is supplied with food during all stages of its growth.

**Analysis:** Ammonia 5 per cent, Available Phosphoric Acid 8 per cent, Potash (Soluble in water) 3 per cent.

For old lawns apply at the rate of 2 lbs. to every 100 square feet, for new lawns at the rate of 2½ lbs. to every 100 square feet.

Packed in the following sizes: 1 lb. pkg. 25c; 5 lb. pkg. 75c; 10 lb. pkg. \$1.25; 25 lb. bag \$2.50; 50 lb. bag \$4.00; 100 lb. bag \$6.50. If wanted by parcel post, include postage.

**SULPHATE OF POTASH**—Fine for roses. 15c per lb.; 2 lbs. 25c; 5 lbs. 50c.

**OBER'S STARKEY TRUCK COMPOUND 4-8-5**—The highest grade we have to offer. \$40.75 per ton; 167 lb. bag \$4.50.

**OBER'S SPECIAL PLANT FOOD 2-9-5**—The best fertilizer for general truck farming, such as cabbage, lettuce, spinach, etc. 1 lb. 6c; 25 lb. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.25; 167 lb. bag. \$4.50; ton \$34.00.

**OBER'S SOL. AMM. SUPER PHOS. OF LIME 2-8-2**—For potatoes and general crop. Ton, \$31.00; bag, \$3.75.

**OBER'S SPECIAL COMPOUND FOR TOBACCO 3-8-3**—Ton, \$35.00; 167-lb. bag, \$4.75.

**OBER'S FARMERS' MIXTURE FERTILIZER 1-9-2**—To be highly recommended for potatoes and vegetables. 167-lb. bag \$3.50; ton \$27.50.

**PEAT MOSS**—Ideal for mulching azaleas and rhododendrons. 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 75c; 50 lbs. \$1.25; 175-lb. bales, \$3.50.

**PHOSPHATE, HIGH-GRADE ACID TENNESSEE OR SOUTH CAROLINA ROCK**—16 per cent. Apply 1,000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. Price, \$17.50 per ton; 167-lb. bag, \$2.50.

**PREPARED FIBRE**—Grow your House Bulbs without soil, drainage or saucers. Highly recommended. 1 qt. 10c; 4 qts. 25c; pk. 40c; bu. \$1.15. Parcel post weight, 14 lbs. per bushel.

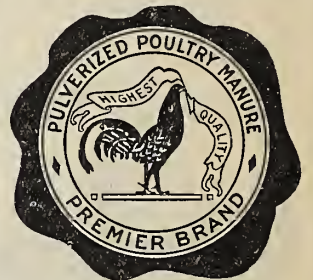
**STERILIZED HUMUS (Leaf Mold)**—Fine for lawns, replanting and repotting. 4c lb.; 10 lb. 35c; 50 lb. \$1.50; 100 lb. \$2.50; 500 lb. \$10.00; 1,000 lb. \$18.50, last four sizes delivered. Ton and car load price on application.

**SHEEP MANURE (Pulverized) (Wizard Brand)**—Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. This is where you get a whole cart load of manure in a 100 lb. bag at a much lower figure. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.00; 500 lbs. \$12.50; 1,000 lbs. \$24.00; per ton, \$45.00.

## Premier Brand Pulverized Poultry Manure

For the Lawn, Vegetable, Flower, Fruit, Garden and for House Plants.

This fertilizer produces quick growth, rapid development and large yields. It is ideal for garden use. 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00; ton, \$45.00.



## STADLER'S SUPERIOR PLANT FOOD



Feed your plants new life and beauty with Stadler's Superior Plant Food. Then you will take greater pride than ever in your cherished house or garden plants. The remarkable and almost immediate effects of Superior Plant Food on plant life is highly gratifying. You can see improvement every day. And how they do grow—throwing off new shoots of luxuriant beauty and health, with a richer color. 50c and \$1.00 cans, postpaid.

**Stim-U-Plant**—Pkg. 15c, 25c, 75c and \$3.50. See page 27.

**SUMMERS SPECIALLY PREPARED FERTILIZER** for lawns, flowers, roses, shrubbery, trees, etc. Used and recommended by both State and Government—A pure organic mixture, and distributed all over the eastern portion of the U. S. A. Prices, 25 lbs. \$2.25; 50 lbs. \$3.50; 100 lbs. \$5.50; 200 lbs. \$10.00.

**TOBACCO STEMS**—For fumigating, mulching and fertilizing; an excellent top dressing for lawns in winter. 1 lb. 5c; 50 lbs. \$1.50; 100 lbs. \$2.50.

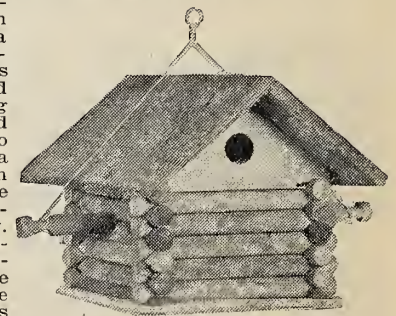
**TOBACCO DUST**—1 lb. 10c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.50.

**VIGORO**—Specially prepared plantfood for lawns, flowers, gardens, shrubs and trees. 25 lbs. \$1.50; 50 lbs. \$2.75; 100 lbs. \$4.75.

## Lincoln Wren House

This attractive reproduction of Lincoln's Log Cabin is made of wood tinted a soft brown color that attracts the wrens. It is equal in appearance and service of houses selling from \$2.50 to \$7.00. And yet because we ship it to you knocked down—in a form that any child can easily put together we are able to offer it at the attractive price quoted below. The demand for an attractive house is ever present, and the Wren is the popular bird around the grounds as its song is melodious and flute-like and their ways are very amusing. They destroy large numbers of obnoxious insects. Price, \$1.00, parcel post. Weight 3 lbs.

**CLAY WREN HOUSES**—15c. If to go by parcel post, add 10c.













# Great Many of the Finest Lawns Around Baltimore Are Seeded With M. & S. Well-Known LAWN SEEDS

One of the most essential parts of the country place and suburban home is a carefully made and well-kept lawn. No trouble should be spared in its making, as much of the future results depend upon the start or foundation of the lawn, which, if correctly made, can easily be kept in perfect condition for years, and give pleasure not only to the owner, but to others who see it. In seeding for lawn-making, care should be taken that a well-balanced mixture of grasses is used, one composed of such varieties as will blend together well and also ripen successively, thus securing a healthy and beautiful color throughout the summer. Our M. & S. Roland Park Lawn Grass Seed produce beautiful and permanent lawns. It is made from our own formula, and composed of grasses which are adapted for the purpose of producing turf which retains its rich green color and velvet appearance throughout the entire summer and fall. In making up this brand we are careful to use seed that has been thoroughly re-cleaned, the light seed and chaff having been blown out.

**M. & S. ROLAND PARK LAWN GRASS**—1 lb. 40c; 3 lb. \$1.15; 5 lbs. \$1.80; 10 lb. \$3.50; bus. of 30 lb. \$10.

**M. & S. SHADY NOOK GRASS**—It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places. For sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade. It has been successfully used on some large operations where a green sward was desired on land partially shaded by old trees. 1 lb. 40c; 3 lb. \$1.15; 5 lb. \$1.80; 10 lb. \$3.50; bu. of 30 lb. \$10.00.

**M. & S. PLEASURE GROUND MIXTURE**—For fair greens, etc. The turf required for pleasure grounds must be of a character to withstand rough usage. This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. For tennis courts, cricket tables, golf links, polo grounds, or wherever a good sward is wanted, this seed will give perfect satisfaction. We believe that the golf links should be as fine as a velvety lawn, hence the need of a fine mixture. 1 lb. 40c; 3 lb. \$1.15; 5 lb. \$1.80; 10 lb. \$3.50; bu. of 30 lb. \$10.00.

**M. & S. GOLF LINK MIXTURE**—This mixture is composed exclusively of fine-bladed grasses which will withstand frequent close cutting and trampling. It does not contain any White Clover, the latter not being suitable for the closely cut golf lawn. It is very important that only grasses which fulfill all requirements for the golf course are used in this mixture. 1 lb. 75c; 3 lb. \$2.00; 5 lb. \$3.25; 10 lb. or more, at 55c per lb.

**M. & S. Permanent Pasture Mixture, either for Low or Up Lands.** It is made up of the grasses best calculated to afford an abundant and nutritious food supply for stock. The formulas are based upon successful experience. For all ordinary permanent pasturage, they will be found entirely satisfactory. 1 lb. 40c; bu. of 20 lbs. \$6.50.

White Clover— $\frac{1}{4}$  lb. 25c;  $\frac{1}{2}$  lb. 40c; lb. 75c.



**High Grade Shredded Cattle and Sheep Manure**—Should be used liberally on all lawns. The manure we offer will not produce any weeds. We can furnish you a whole wagon load in a 100 lb. bag. For prices see back cover.

## CRAB GRASS OR DIGITARIA HUMIFUSSA ON LAWNS

If, in the course of events, the fine green lawn on which so many hours of attention has been spent, turns purple in spots so that it seems to have become infected with some dread and obscure disease—blame it on digitaria humifussa.

Such a change often comes over the best of lawns between the first of August and the last of September. Robert C. Dahlberg, in charge of the State Seed Laboratory at University Farm, said it may be ascribed to the presence of digitaria humifussa, otherwise "small crab grass."

The pest is found throughout the entire East in great quantities, said he. This is the treatment he recommends:

When the grass is heading the lawn should be carefully mowed and all grass collected in a collector attachment. To raise the seedheads above the lawn grass a rake should be used and then another application of lawn mower made.

## BEAUTIFY THE HOME GROUNDS

In considering the purposes of planting in the home grounds, more and more emphasis is being put upon providing a place of reasonable seclusion where the life of the family may be carried on in pleasant weather amid the delightful surroundings afforded by a garden. Such a place becomes, in effect, an outdoor living room. It is a logical answer to the demands of our summer weather; it carries further the idea which has popularized porch life and puts to valuable use costly space which is frequently wasted.

Why should the owner of a 50-foot lot, 100 feet deep, be satisfied to confine his real use of that area to the space covered by his house, perhaps 25 by 40? If \$1,500 be taken as the



**M. & S. ROLAND PARK GRASS SEED**—Use 1 lb. to 200 square feet of ground; from 50 to 60 pounds to the acre.

average ground value of the small home grounds, \$300 worth is all that is thus used. The rest is commonly devoted to purely ornamental front lawn, and frequently unsightly back yard used, if at all, for hanging up clothes. For an expenditure of little more than the cost of a single piece of furniture in the living room, an outdoor apartment may be built, with grass for carpet, shrubbery for walls, and flowers for decorations, which may well be the most frequented part of the home during six months of the year.

## WE SUPPLY SHRUBBERY AND TREES FOR THESE DECORATIONS.

Reistertown, Md., Box 67, Sept. 15, 1924.

Gentlemen:—The lawn grass seed which I purchased from you about ten days ago is coming up fine and I think the lawn will be a source of pleasure to me.

Yours truly,  
LUTIE F. BERRYMAN.

Baltimore, Md., Nov. 11, 1924.

Gentlemen:—As we are now engaged in the application of the finishing touches to our "LAKE-SIDE" development, we wish to acquaint you with the success which we have achieved in our landscape, lawn and terrace work, due, we feel, in a great measure to our use of your "Roland Park Lawn Grass Mixture."

It is our principle to recognize obvious worth and merit and it is with much pleasure that we can truthfully say, from our own use and observation, your product is superior to anything which we have previously used, and our continued patronage of your product is evidence of our entire satisfaction.

With kindest regards and a sincere wish for a continuation of our very pleasant relations, we are,

Yours truly,  
THE FRANK NOVAK REALTY CO.

33d St. and Tiffany Ave.

Use **BON-ARBOR**, the Ideal Food and Tonic for Household Plants and Home Flower and Vegetable Gardens—Clean, Safe, Odorless, Effective.

**BON-ARBOR** is immediately soluble in cold water, therefore all the properties are available to plant life from the moment of application. It is quick in action, enabling you to see its effects in from 3 to 10 days on any quick-growing plants, vegetables and lawns, and on slower-growing plants in a proportionate time. It being complete food, containing Nitrogen, Potash and Phosphoric Acid in sufficient quantities, will sustain growth it makes.

## BON-ARBOR Is Put Up As Follows:

$\frac{1}{2}$ Lb. package, making 15 gals., postpaid.....	35c
1 Lb. package, making 30 gals., postpaid.....	60c
5 Lb. package, making 150 gals., postpaid.....	2.50







## How To Make Better Lawns and Gardens

**T**HE real secret in making plants grow to perfection lies in preparing a rich fertile soil. Plants require a generous supply of plant food and a loose mellow soil to develop their real beauty. So if you want a beautiful lawn and garden or big profitable crops be sure to make your soil rich and fertile.

Wizard Sheep and Cow Manures are concentrated, weedless manures that make all plants grow to perfection. They are not chemical stimulants, but are real soil building plant foods, safe and dependable for every use. They supply the necessary humus and plant food to put new life into worn out soils. Wizard Manures are economical—**ONE BAG EQUALS A WHOLE WAGON LOAD OF STABLE MANURE.** They have a lasting beneficial effect on your soil. Every one can get results with Wizard.

**LAWNS** Wizard Sheep Manure produces a thick velvety green turf of lasting beauty. Make an application early in Spring and you will be surprised at the new beauty it will develop. On new lawns broadcast 10 pounds to every 100 square feet and rake into the surface soil. To renew old lawns, rake well and broadcast 6 to 10 pounds per 100 square feet. Avoid weeds by using Wizard.

**FLOWER GARDENS** Luxuriant green foliage and a wealth of vivid colored flowers are the result of feeding your plants with Wizard. In making new plantings be sure the soil under the roots is made rich and fertile. Light applications during the growing season will put new life into your plants and prolong the blooming period. A handful mixed well with the soil under each plant will insure strong rugged growth. Broadcast 10 pounds per 100 square feet of garden soil.

**VEGETABLES AND FRUIT** If you want a big crop of crisp, tender vegetables, be sure to use Wizard. Every practical gardener knows that there is nothing better than manure to grow big crops of vegetables. Fruit crops respond quickly to this natural plant food. It improves the yield, color and flavor.

**FLORISTS** Wizard Sheep and Cow Manures have been the standard of quality for eighteen years. For feeding and liquid manuring Wizard is unexcelled. Shredded Cow Manure makes an ideal mulch and supplies sufficient plant food to grow big crops of highest quality. It is unexcelled for roses. You need manure to grow plants at a profit and it pays to use Wizard.

Send For Free Booklet.

### PRICES

**WIZARD BRAND SHEEP MANURE**—Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. This is where you get a whole cart load of manure in a 100 lb. bag at a much lower figure. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.00; 500 lbs. \$12.50; 1,000 lbs. \$24.00; per ton, \$45.00.

**WIZARD BRAND COW OR CATTLE MANURE (Shredded)**—Convenient to handle, making it possible for everyone to get this usually scarce article at all times. This is where you get a wagon load of manure in a 100 lb. bag. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.50; 500 lbs. \$15.00; 1,000 lbs. \$27.50; per ton, \$52.50.

Best For Fruits, Vegetables and Field Crops

**WIZARD**  
TRADE BRAND MARK  
**Sheep Manure**