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# MEYER-STISSER'S Garden Book

TWELFTH  
EDITION

1922



**The MEYER-STISSER CO.**

32 Light St.

**BALTIMORE, MD.**



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# M. & S. Planting Calendar

## FLOWERS

MARCH		MAY	
Plant Indoors	Set Out	This is the month for outdoor sowing and planting. The following list of flowers comprises those which may be sown in the open, and which will mature into perfection before frosty weather sets in.	
Ageratum .....	May 1	Sow Outdoors	
Antirrhinum (Snapdragon)	May 15	(Do not require transplanting)	
Asters .....	May 10	Sweet Alyssum	
Carnation, Marguerite	May 1	Calendula	
Celosia, Cockscomb	May 1	Calliopsis	
Cobaea scandens	May 1	Candytuft	
Heliotrope	May 10	Centaurea (Bachelors Button)	
Hollyhock .....	May 10	Crysanthemum, Annual	
Lobelia .....	May 1	Clarkia Elegans	
Pansy .....	May 1	Cosmos, Early	
Petunia .....	May 1	Delphinium Chinese	
Salvia .....	May 1	Dianthus (Chinese Pinks)	
Stocks (Gilliflower)	May 15	Eschscholtzia (California Poppy)	
Verbena .....	May 1	Galliardia (Blanket Flower)	
Wallflower .....	May 1	Godetia	
<b>APRIL</b>		Ornamental Gourds	
All those listed for March may also be planted in April, and, in addition the following:		Helianthus cucumerifolius (Miniature Sunflower)	
Sow Indoors	Set Out	Hunnemannia fumariaefolia	
Alyssum .....	May 1	Larkspur, Annual	
Calendula .....	May 1	Lupins, Annual	
Coleus .....	May 15	Marigold	
Cosmos, Late and Early	May 1	Mignonette	
Dahlias .....	May 1	Morning Glory	
Delphinium Chinese	May 15	Nasturtiums	
Gourds, Ornamental	May 1	Petunia	
Helianthus Sunflower	May 1	Phlox Drummondii	
Marigold .....	May 1	Poppy	
Mignonette .....	May 1	Portulaca	
Nicotiana .....	May 1	Salpiglossis	
Phlox Drummondii	May 1	Scabiosa	
Poppy, Iceland	May 15	Verbena	
Ricinus (Caster-Oil Plant)	May 10	Zinnia	
Salpiglossis .....	May 10	(Should be transplanted)	
Scabiosa .....	May 1	Asters	
Vinca rosea .....	May 10	Balsam	
Zinnia .....	May 1	Celosia (Cockscomb)	
Sow Outdoors		Cosmos, Late	
Sweet Peas		Dahlias	
Nasturtium		Marigold	
		Mignonette	
		Nicotiana	
		Ricinus	

## Bulbs and Tuberos Roots

MAY			
Plant Outdoors			
Begonias	Montbratis	Cannas	Gladioli
Caladiums	Paenonies	Dahlias	Tuberoses

## FLOWERS—Continued

JUNE	JUNE—Continued
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 until September.	(To remain where sown)
To remain where sown.	Sweet William
Alyssum saxatile compactum	Valerian (Garden Heliotrope)
Aconitum (Monks Hood)	(To be transplanted)
Aquilegia (Columbine)	Canterbury Bells
Asters, New England	Delphinium (Larkspur)
Coreopsis	Digitalis (Foxglove)
Campanula (Bluebells)	Gaillardia grandiflora
Candytuft, Sempervirens	Hollyhocks
Hibiscus	Pyrethrum
Lupins	Phlox Decusata
Poppies, Iceland	<b>JULY</b>
Poppies, Oriental	This is the most important month for sowing some flower seeds. The following biennials, if sown in July and transplanted in August or September, will flower the following spring.
	Variety
	Bellis (English Daisies)
	Pansies
	Myosotis (Forget-me-not)

## VEGETABLES

MARCH	April—Continued
The only vegetables to be planted out-of-doors in March. All early peas and onion sets. There are a number of vegetables, however, which may be started indoors or in hotbeds.	(Plant Outdoors, Continued)
Plant Indoors	Set Out
Artichoke, Globe	June 1
Cabbage, Early	May 1
Cauliflower, Early	May 15
Celery	June 1
Eggplant	May 15
Kohlrabi	May 1
Lettuce	April 15
Parsley	May 1
Pepper	May 15
Tomato	May 1
Outdoors	
Peas, Early Smooth	
Onion Sets	
<b>APRIL</b>	
All the seeds mentioned in the March table can be started in April, and also the following:	
Plant Indoors	Set Out
Asparagus, Seeds	June
Beets	May
Brussels Sprouts	June
Cabbage, Late	June
Cauliflower, Late	June
Plant Outdoors	
Asparagus Roots	
Beets	
Carrots	
Cress	
Kohlrabi	
Lettuce	
Mustard	
Onion Seed	
	Beans, Bush
	Beans, Pole
	Corn, Sugar
	Cucumber
	Muskmelon
	Watermelon
	Okra
	Peas, Late
	Pumpkin
	Squash
	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.
	<b>JUNE</b>
	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.



# Vegetable Plants and Roots

## SPECIAL NOTICE

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

### ARTICHOKEs (Ready in April)

**Green Globe.** Pot grown. \$1.75 per doz.; 25 for \$3.00; \$10.00 per 100 (by express only).

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

### ASPARAGUS ROOTS

(Ready from October 15th to May 15th)

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

2-Year-Old Roots	Doz.	100	1000
Argenteuil .....	\$0.50	\$2.00	\$15.00
Barr's .....	0.50	2.00	15.00
Conover's .....	0.50	2.00	15.00
Palmetto .....	0.50	2.00	15.00

### BEEt PLANTS (Ready April 1st)

**Popular varieties.** 15c. doz.; 60c. per 100; by mail, add 5c. to doz.; 15c. to 100.

### BORECOLE PLANTS (Ready July 1st)

20c. doz.; 60c. per 100; by mail, add 5c. to doz.; 15c. to 100.

### BRUSSELS SPROUTS (Ready in July)

**Matchless Improved (Hot-Bed Grown.)** 12 for 25c.; 75c. per 100; per 1000, \$6.00. If wanted by mail, add 10c. per 100 for postage; 5c. per doz.

### CABBAGE PLANTS

(Ready in season beginning April 1st)

**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.

### M. & S. RED CABBAGE

25c. doz.; 100, 75c. If wanted by mail, add 10c. per 100; 5c. per doz.

### M. & S. FROST-PROOF CABBAGE PLANTS

**Will Mature Heads Two to Three Weeks Earlier Than Your Home-Grown Plants and Double Your Process.**

To get the advantages of these Frost-Proof Cabbage Plants they must be planted a month or six weeks earlier than you would plant home-grown plants.

**Varieties:** Early Jersey Wakefield, Charleston, Large Type Wakefield, Succession and Early Flat Dutch.

Prices by parcel post, postage paid, 50c. per 100 plants, to all places in the postal union. On larger quantities the prices are as follows:

500 plants, \$1.75; 1000 or more at \$3.25 per 1000.

Prices by express, buyer paying charges, which under special rates are very low. In lots of 1,000 to 4,000 at \$2.25 per 1,000; 5,000 to 8,000 at \$2.00 per 1,000. Terms cash.

### CAULIFLOWER PLANTS (Ready April 1st)

**Snowball variety only.** From hot beds. 25c. per doz.; \$1.00 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 1,000. By mail, allow 10c. per 100 for postage; 5c. per doz.

### CHIVES (Ready in April)

**Strong Plants.** 25c. each; doz., \$2.00. Allow 5c. each for mailing if wanted by parcel post.

### EGG PLANTS (Ready after May 15th)

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 only. 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

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

### LETTUCE PLANTS

**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. clump.

### PEPPER PLANTS (Ready in May)

**Bull Nose (hot), Ruby King, Chinese Giant and Long Red Cayenne.** Hot Bed Grown. 25c. per doz.; per 100, \$1.50. By mail, add 10c. 100; 5c. doz.

### RHUBARB ROOTS

Ready from October to May 15th

**Victoria First Size Roots.** 20c. each; \$2.00 per doz.; per 100, \$15.00. Allow 5c. each or 25c. dozen for postage, if wanted by mail.

**Victoria Mammoth Roots for Planting Out or Suitable for Forcing.** 25c. each (not mailable); \$2.50 per doz.; 25 for \$4.25; \$15.00 per 100.

### SWEET POTATO PLANTS (Ready in April)

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

### TARRAGON (Hardy) (Ready in April)

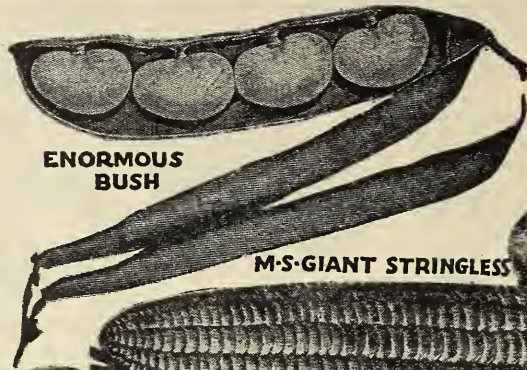
Hardy if given protection in winter. Pot-grown plants, 40c. each.

### TOMATO PLANTS (Ready after April 15th)

**Pot-Grown Plants in the following varieties only:** Earliana, M. & S. Incomparable, M. & S. Big Chief, Stone. 5c. each; doz., 50c.; \$4.50 per 100. By mail, add 2c. 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.



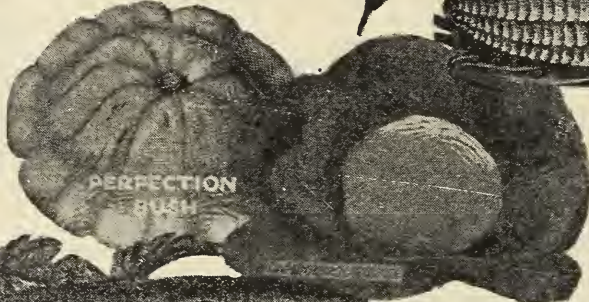
SOUTHERN PRIDE



ENORMOUS BUSH



BELVEDERE



PERFECTION BUSH



M-S-GIANT STRINGLESS

SNOW-WHITE EVERGREEN



COOL &amp; CRISP

COPENHAGEN MARKET

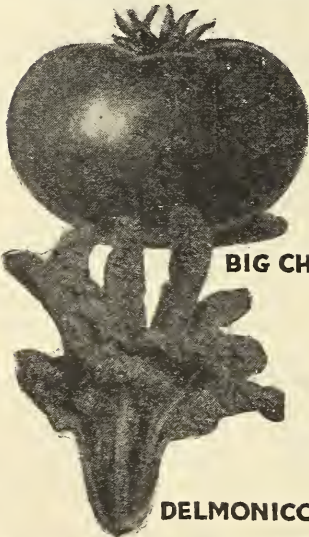


EARLY MARVELOUS

EARLY CARDINAL

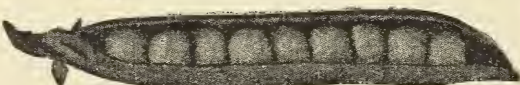


GREEN CURLED BEAUTY



BIG CHIEF

DELMONICO



WORLD'S RECORD

## M. & S. Collection of Vegetable Seeds



You will see from the lists below that the varieties offered in these collections will please everybody.

The "collection idea" of Vegetable Seeds is getting more popular each year; so many persons, even gardeners of many years' experience, sometimes do not know the varieties to order. They often use the same sorts year after year, thus missing some of the better and newer strains of vegetables. These collections have also a decided feature of advantage, as they save time and money. The most popular kinds of vegetables are used in these collections and will be found very practical to every household.

### M. & S. Dollar Vegetable Garden

POSTPAID ANYWHERE IN U. S.

Order one or more of these collections and you will find this one of the best investments you ever made. It will be noticed below that we offer these in quantities as some persons may wish to order for their friends who are interested in gardening.

BEANS—M. & S. Giant Stringless  
LIMA BEANS—M. & S. Enormous Bush  
BEET—M. & S. Early Marvelous  
CABBAGE—M. & S. Copenhagen Market  
CARROT—M. & S. Southern Pride  
SUGAR CORN—M. & S. Snowwhite Evergreen  
CUCUMBER—M. & S. Cool and Crisp  
LETTUCE—M. & S. Belvedere  
PEAS—M. & S. World's Record  
RADISH—M. & S. Early Cardinal  
SWISS CHARD—M. & S. Delmonico  
SQUASH—M. & S. Perfection Bush  
TOMATO—M. & S. Big Chief  
PARSLEY—M. & S. Green Curled Beauty

6 COLLECTIONS FOR \$ 5.50, POSTPAID.  
12 COLLECTIONS FOR \$10.00, POSTPAID.

### M. & S. Suburban Collection Vegetable Seeds, for Larger Gardens, \$2.00

POSTPAID ANYWHERE IN U. S.

A liberal sized list of the best and most desirable, embracing some of those in the "Dollar Garden," with increased quantity and with other good ones added.

POLE BEANS—M. & S. Golden Cluster Wax  
BEANS—M. & S. Giant Stringless  
LIMA BEANS—M. & S. Enormous Bush  
BEET—M. & S. Early Marvelous  
CABBAGE—M. & S. Copenhagen Market  
CANTALOUPE—M. & S. Golden Wonder  
CARROT—M. & S. Southern Pride  
SUGAR CORN—M. & S. Snowwhite Evergreen  
SUGAR CORN—M. & S. Country Gentlemen  
CUCUMBER—M. & S. Cool and Crisp  
CELERY—M. & S. Magnificent  
KOHL RABI—M. & S. Earliest White Vienna  
LETTUCE—M. & S. Belvedere  
PARSLEY—M. & S. Green Curled Beauty  
PEAS—M. & S. Alaska  
PEAS—M. & S. World's Record  
RADISH—M. & S. Early Cardinal  
SQUASH—M. & S. Perfection Bush  
SWISS CHARD—M. & S. Delmonico  
TOMATO—M. & S. Incomparable  
TOMATO—M. & S. Big Chief  
TURNIP—M. & S. Early Champion  
SPINACH—M. & S. Savoy  
WATERMELON—M. & S. Sweet Heart

Gentlemen—It affords me great pleasure to inform you that I have been buying seeds from your firm since it has been established, and they have always proved true to name.

Yours truly, ADAM SCHUSSLER, Mayo, A. A. Co., Md.

Gentlemen—I want to inform you that when all other Lettuce had gone to seed and was burned up, I was still hauling fine heads of Lettuce produced from your M. & S. Belvedere Lettuce Seed. It is by far the best Summer Lettuce, I have ever grown.

Yours truly,

Chas. Koch, Annapolis, Md.

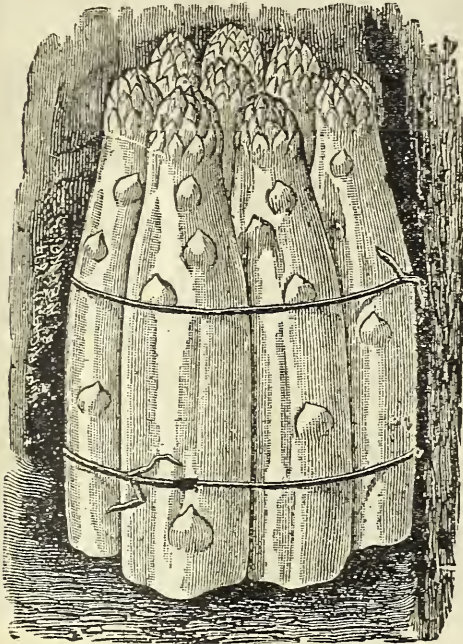


## ASPARAGUS—Seeds and Roots

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

One ounce to forty feet of drill. 5 lbs. per acre.

**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



**Asparagus Giant Argenteuil**

**Giant Argenteuil**—A new and entirely distinct variety that produces shoots that are white, and remain white as long as fit for use. Pkg., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

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

**Conover Colossal**—Of large size, tender and of excellent quality. Green shoots. Pkg., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

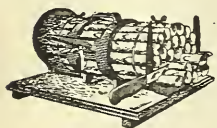
trenched to the depth of two feet. In planting for private use, set out in beds five feet wide, three rows in a bed, the outer being each one foot from the edge, and allow eighteen inches between the rows; set the plants from four to six inches below the surface. If set out in autumn, top-dress with 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-slaked lime or paris-green.

## 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., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

FOR PLANTS SEE PAGE 3

## 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, \$3.00.

Parcel post weight, 8 lbs.

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

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

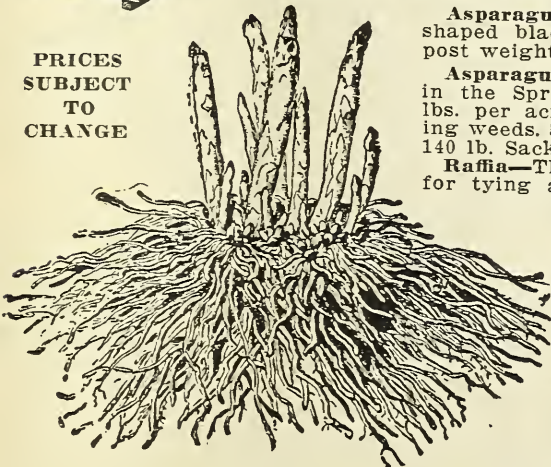
**Raffia**—The ideal material for tying asparagus. 20c. per lb., in hanks. Special price in quantity; hank runs about 2½ lbs.

**Jute Twine**—Very soft and pliable.

15c. per ball.

Special price on quantities on application.

PRICES SUBJECT TO CHANGE



Two-Year-Old Asparagus Plants See page 3.

## ARTICHOKES

**Large Green Globe**—This is a very delicious vegetable. Some prefer it cooked like asparagus—that is, takes the flower head before it begins to open and cook much the same as asparagus. Pkt., 10c.; oz., 50c. Plants, See Page 3.

**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 3

## BROCCOLI

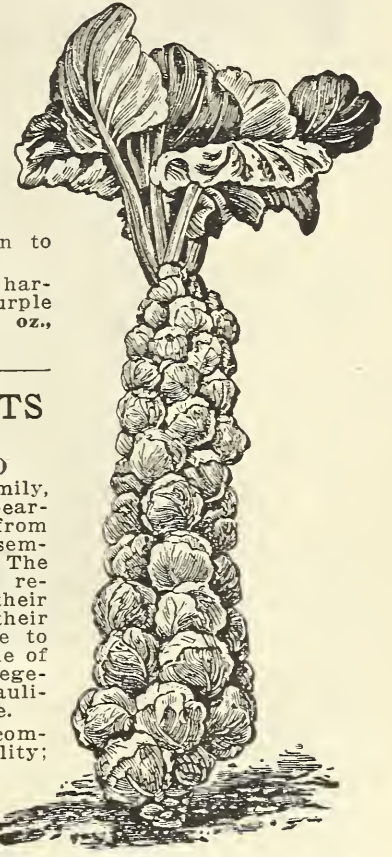
(German—Spargelkohl. French—Buocoli.)

One ounce of seed to 200 feet of row.

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

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

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



## BRUSSELS SPROUTS

(German—Rosenkohl.

French—Choux de Bruxelles)

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 resembling 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.

**Improved Dwarf**—Produces compact sprouts of the finest quality; a good keeper. Pkt., 5c. and 10c.; oz., 20.; ¼ lb., 75c.; lb., \$2.00.

See Page 3 Plants, per Dozen.

Improved Dwarf Brussels Sprouts.

## 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 5c. and 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., \$3.00.

**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., 25c.; qt., 40c.; pk., \$2.50.

**M. & S. Legume Inoculation for all kinds of Beans**—Means bigger crops, healthier vines, early and more continuous crops. Garden size, 50c.; 75c. per acre bottle; 2 acres, \$1.45; 4 acres, \$2.25; 6 acres, \$3.00. It will pay you to use this when you plant peas and beans. (See index.)

(Beans Continued on Next Page)

**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., \$3.50.



M. & S. Giant Stringless Green Pod Beans

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

Our 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., \$3.00.

**Dwarf Horticultural, or Cherry**—This is a broad, long, flat, meaty bean, very productive, delicious flavor. It also makes a good dried bean for winter. Pt., 25c.; qt., 40c.; pk., \$2.50.

**White Navy, or Boston Pea Beans**—Yields large quantities of white shell beans, which are used for baking. Pt., 15c.; qt., 30c.; pk., \$1.75.

**Red Kidney**—Like the above, but the seed when ripe is brick red, very rich quality and fine flavor. Pt., 25c.; qt., 40c.; pk., \$2.25.

We furnish 5c. and 10c. packages of all Beans.

### WAX POD VARIETIES

**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 pod. Pt., 25c.; qt., 40c.; pk., \$2.50.

**Hodson Wax**—A fine strong growing bean. Pods 6 inches long, golden waxy color. Nearly straight, thick flat and meaty. Pt., 25c.; qt., 40c.; pk., \$2.25.

**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., 25c.; qt., 40c.; pk., \$2.50.

**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., 25 c.; qt., 40 c.; pk., 2.50.

**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., 25c.; qt., 40c.; pk., \$2.50.

**Farmogerm 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 Index.)

**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., \$3.00.

**Refuge Wax**—Great bearer, pods beautiful white wax color, curved round thick and nearly stringless when young, good blight resister. Pt., 25c.; qt., 40c.; pk., \$2.25.

#### 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., 25c.; qt., 40c.; pk., \$2.25.

#### Davis White

#### Kidney Wax

Pods remarkably straight, long and hand-

some, waxy white color; enormously productive; seed white. Pt., 30c.; qt., 50c.; pk., \$3.00.



M. & S. Sure Crop Stringless Wax Beans

### 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. Producing 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., 5c. and 10c.; 1 oz., 25c.

**Horticultural or Pole Cherry**—Pods green, dashed with red when beans are matured. Very showy. Pt., 25c.; qt., 40c.; pk., \$2.25.

**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., 25c.; qt., 40c.; pk., \$2.50.

**Lazy Wife's, or White Cherry**—Pods six to eight 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. Pt., 30c.; qt., 50c.; pk., \$3.00.

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

### ENGLISH, or BROAD WINDSOR BEANS

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

We furnish 5c. and 10c. packages of all Beans.

### BUSH LIMA BEANS

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., 30c.; qt., 50c.; pk., \$3.75.

**Henderson's Dwarf Lima**—Beans are small, but their flavor is excellent. Pt., 30c.; qt., 50c.; pk., \$2.75.

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

**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., 30c.; qt., 50c.; pk., \$3.75.

## POLE LIMA BEANS

**Culture**—These require pole eight to ten feet long. The beans should be planted in May if the season is suitable. Set poles four feet apart each way, and plant four to six beans, about one 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 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, five to eight inches long. Lima large and of rich flavor. Pt., 30c.; qt., 50c.; pk., \$3.00.

**Dreer's Improved, or Potato Lima**—Beans round and thick, 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., \$3.50.

## TABLE BEETS

(German—Rote Beete. 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 June. When the plants have attained 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. & 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.

Package, 5c.  
Ounce, 10c.  
¼ pound, 25c.  
1 pound, 75c.

**Crosby's  
Improved  
Egyptian.**

Very desirable. Thicker in body than the Egyptian, small necked and dark fleshed. Fine for early market. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

(Fig. 1.)

"M. & S." Early Marvelous Beet

**Extra Early Eclipse**—Maturing in an incredibly short time. round-shape beet. Small top, and of excellent table qualities. Makes an attractive seller in market. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c. (Fig. 4.)

Use Manure for your Garden Crops, we can sell you a whole cart load in a bag of M. & S. Sheep or Cattle Manure, for much less money than a cart load costs.

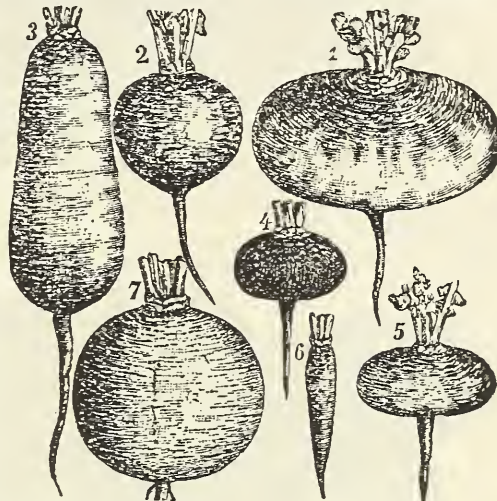
**Edmand's Blood Turnip**—This beet of American origin is the most uniform of all Turnip Beets. The root is always smooth, round and handsome, tops small, of good marketable size. Color dark red, flesh purplish, crisp, tender and sweet. An excellent keeper. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.; (Fig. 7.)

**Detroit Dark Fed**—(Fig. 2.) 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., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

**Long Smooth, Dark Blood**—(Fig. 6.) 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 tender. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

**Beet Plants, See Page 3.**

**Crimson Globe**—A second early variety, does not grow large and coarse, the matured beets being medium in size and of 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., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.



**Swiss Chard**—See Page 18.

## COW BEETS (Mangel-Wurzel)

(German—Runkelruben. 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 two inches deep and about 18 inches apart. Thin out to 12 inches

and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzel.

An ever-increasing acreage is being planted for stock beets, because of the wonderful results by feeding them as shown by the reports of our Experiment Stations and leading farmers and stockmen. Fattening, breeding and milk cattle do equally well on them. About one-fourth of the daily rations should be of roots. Hog cholera is prevented by their use. Where many are grown a good drill and cultivator are needed. Five pounds sows an acre.

### SLUDSTRUP BARRES MANGEL.

Recently introduced from Denmark. The finest, largest and most prolific Mangel in existence. Half-long, stump-rooted, yellow flesh. Outside color orange with red top. Oz., 10c.; ¼ lb., 15c.; lb., 35c.; 5 lbs., \$1.50.

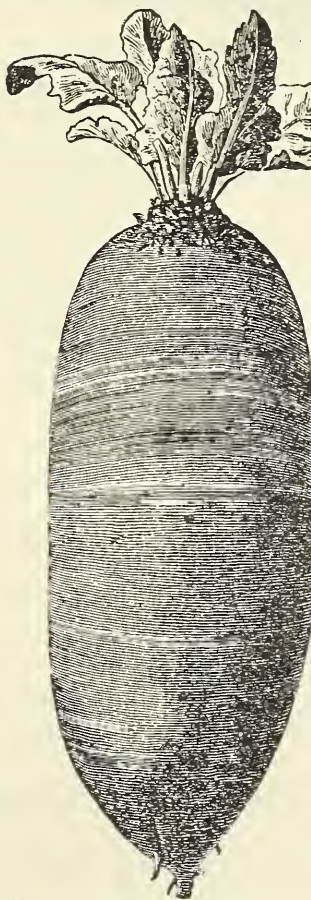
**Jumbo Mangel**—Immense, long, red, very fine quality. Oz., 10c.; ¼ lb., 15c.; lb., 35c.; 5 lbs., \$1.50.

**Gate Post Mangel**—Large, yellow, excellent sort. Oz., 10c.; ¼ lb., 15c.; lb., 35c.; 5 lbs., \$1.50.

**Mammoth Long Red**—This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel and very valuable for stock feeding. Oz., 10c.; ¼ lb., 15c.; lb., 35c.; 5 lbs., \$1.50.

**Golden Tankard**—(Fig. 3). 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., 35c.; 5 lbs., \$1.50.

**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., 50c.; 5 lbs., \$2.00.



Gate Post Mangel

# M. & S. CHOICE CABBAGE SEED

(GERMAN—KOPFKOHL. FRENCH—CHOU)

One ounce will produce about 2500 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., 5c. and 10c.; oz., 20c.; ¼ lb., 75c.; 1 lb., \$2.50.

**New Early**—The largest of the early cabbage. The head is roundish flat and remarkably solid. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; 1 lb., \$1.50.

**Early Flat Dutch**—A dwarf-growing type, principally used for early summer. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; 1 lb., \$1.50



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., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; 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., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; 1 lb., \$1.75.

**Early York**—Resembles the Early Wakefield somewhat, but the heads are more pointed and not so early. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; 1 lb., \$1.75.

**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., 5c. and 10c.; oz., 20c.; ¼ lb., 75c.; 1 lb., \$2.50.

**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., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; 1 lb., \$1.75.

## 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., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; 1 lb., \$1.75.

**Henderson's Early Summer**—The leaves have a more bluish cast than other cabbages; the heads are roundish flat. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; 1 lb., \$1.75.

**Succession**—A very popular sort with the market gardeners. It matures about 10 days later than Early Summer. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; 1 lb., \$1.75.

**Surehead**—As its name indicates, this is a sure header and one of the most reliable main crop and late cabbages. Heads are large, thick, somewhat flattened, very uniform in size and color, firm and solid, keeps well and makes a splendid shipper. Heads ordinarily weigh 10 to 12 pounds each, and of the finest quality. Surehead has all the good qualities that make for a first-class main crop cabbage. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 60c., 1 lb., \$2.00.

## LATE, or WINTER VARIETIES

**All seasons. (Vandergaw)**—A very large head, round and solid. It is valuable for Summer or Winter use. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; 1 lb., \$1.75.

**Danish Ballhead**—An elegant medium late variety. Pkt., 5c. and 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., 5c. and 10c.; oz., 15c., ¼ lb., 50c.; 1 lb., \$1.75.

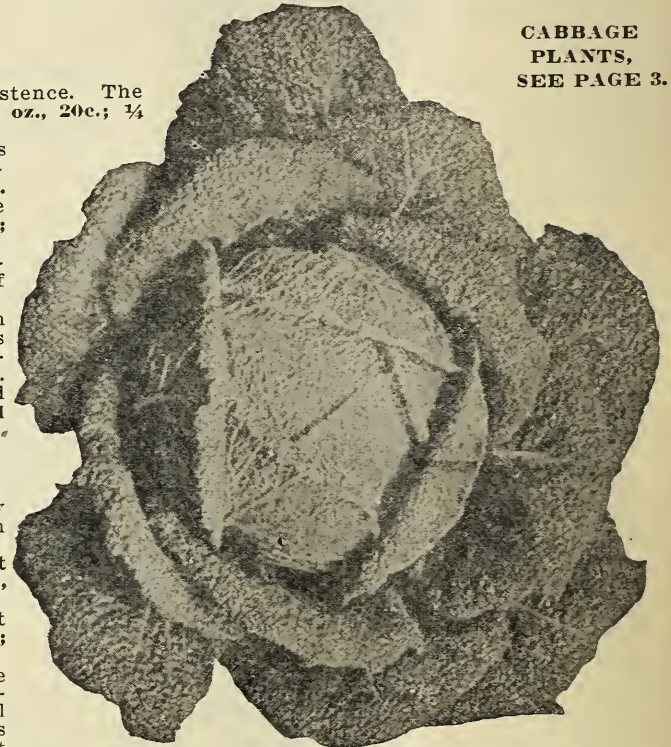
**Large Late Drumhead**—Much like the above except the heads are not quite as large nor as flat. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; 1 lb., \$1.75.

**Red Dutch Drumhead**—A red variety, used extensively for pickling. Pkt., 5c. and 10c.; oz., 20c.; 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., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; 1 lb., \$1.75.



Red Dutch Drumhead



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

CABBAGE  
PLANTS,  
SEE PAGE 3.

## CHINESE CABBAGE, or CELERY

**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 nearly 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 oz., 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 oz., 75c.; ¼ lb., \$1.25.  
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.

## CARROT

(German—Moehre oder Gelbe Rübe. 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. Pkt., 5c. and 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., 5c. and 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., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

**Pride of Market Carrot**—Similar to the above. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

**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 some what longer, thicker and a better keeper than the Chantenay. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

**Guerande, 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., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

**Long Orange Improved**—The longest and latest of all carrots; unsurpassed for its keeping qualities. Fine for feeding stock. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

**White Belgian**—Used principally for stock, not being desirable for table, produces a long thick white root. It is also used for turning under, being a valuable humus maker. It is 8 to 10 inches long, has green top. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

## CAULIFLOWER

(German—Blumenkohl. French—Chou-Fleur)

One ounce of seed for 1,500 plants

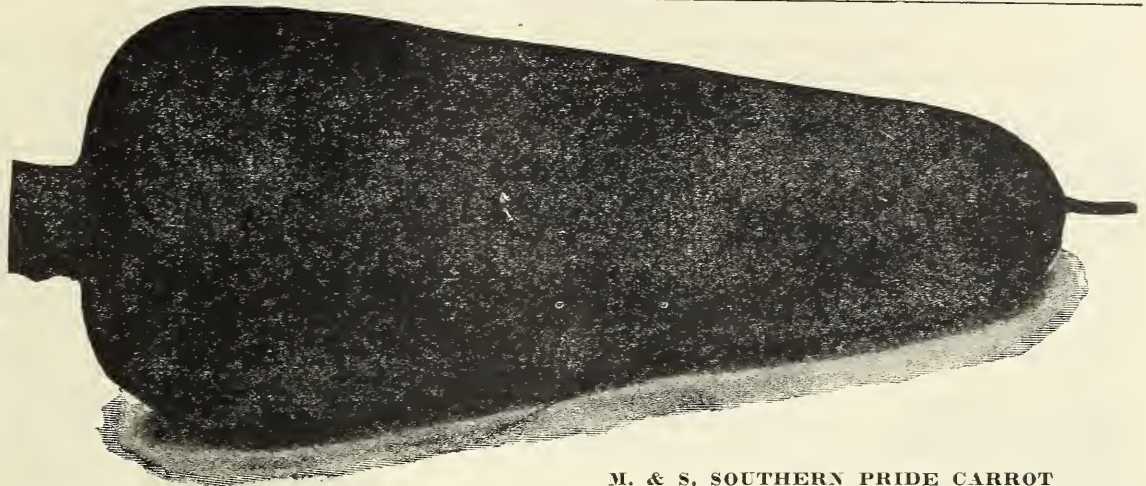
**Culture**—When grown to perfection this is a most delicious vegetable, and well repays generous treatment in cultivation. With a deep rich soil, and an abundance of moisture, which in



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 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., \$1.25.



M. & S. SOUTHERN PRIDE CARROT

**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.; \$1.25 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., \$1.25.

**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 3

## CELERY

(German—Sellerie. French—Celeri)

One ounce will produce about 2000 plants.

**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 three feet, and the taller sorts four feet between the rows; plant six 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.

**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.

**French 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. Seed supply very limited. Pkt., 10c. and 25c.; oz., \$1.00; ¼ lb., \$3.50; lb., \$13.50.



M. & S. Magnificent

Gentlemen—My order came in fine condition; thanks for your careful packing.

S. H. SHAW, Rio Grande, N. J.

## CELERY—Continued.

**American Self-Blanching**—Pkt., 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.

**White Plume**—Unsurpassed for Fall and Early Winter use, requiring very little earthing-up to blanch it. Pkt., 5c. and 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**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., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Golden Heart**—Largely used, always giving satisfaction; a showy sort; solid, of fine flavor and a good keeper. Pkt., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**Boston Market**—A short, bushy, white, solid, excellent flavored market variety, constantly increasing in demand. Pkt., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 60c.; lb., \$1.00.



Giant Prague Celeriac

**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., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

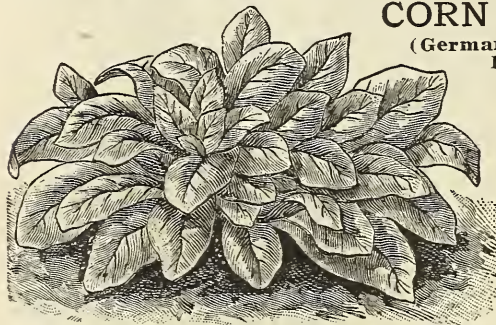
**Victory**—Runs a close second to the above, very similar. Pkt., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

## CELERY PLANTS, SEE PAGE 2

**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., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

## 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., 5c. and 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.



## 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.

**Large Leaved**—Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

## SWEET, or SUGAR CORN

Bushel prices furnished on application  
(German—Zuckermais, French—Mais)

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

**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.

**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., 15c.; qt., 25c.; pk., \$1.25.

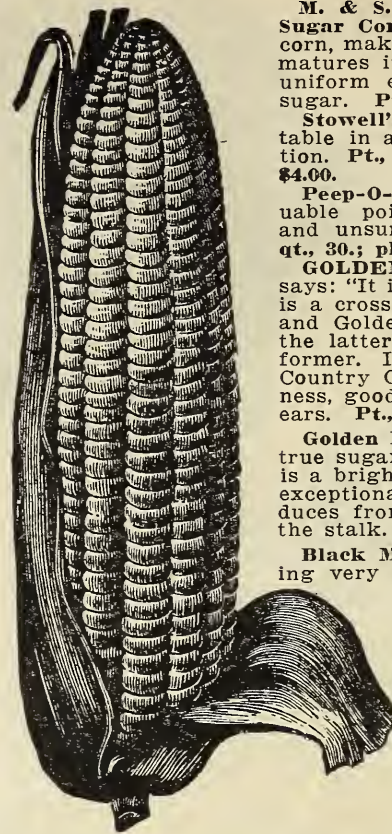
**Early Adams**—Similar to Extra Early Adams; larger, but not so early. Pt., 15c.; qt., 25c.; pk., \$1.25.

**EARLY SHEFFIELD**—The best early Sugar Corn for truckers, making fine large ears. Pt., 15c.; qt., 30c.; pk., \$1.50.

**Howling Mob**—Another new early Sugar Corn, with fine, large ears, excellent for truckers. Pt., 20c.; qt., 35c.; pk., \$1.50.

**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., 25c.; qt., 40c.; pk., \$1.75.

**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., 20c.; qt., 30c.; pk., \$1.50.



M. & S. Snow White Evergreen Sugar Corn

**Red Cob, or 90-Day Corn**—A distinct and well-known sort of white corn; matures in about 90 days; produces large, handsome ears.  $\frac{1}{4}$  pk., 25c.; pk., 75c.; Bus., \$2.50.

## CRESS

(German—Kresse)

**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., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 30c.

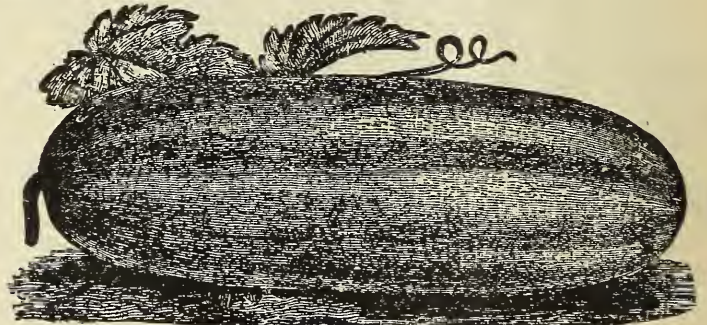
**Chervil**—Sow like the above, used as a salad seasoner. Pkt., 5c. and 10c.; oz., 25c.

## 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

**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., 5c. and 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.25.

**CUCUMBERS—Continued.**

**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., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

**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., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

**Improved Early White Spine**—The old standard favorite Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c. Special prices on large quantities.

**Arlington White Spine**—Another standard sort. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c.; Special prices on large quantities.

**Improved Long Green**—Long and crisp; a popular and reliable variety for pickles. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c.

**Jersey Pickle**—Productive and said to "green" better than any other variety, and to "hold color." Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c.

**Livingston's Evergreen**—A very strong grower, very early, bears firm crisp fruit, which is excellent for slicing or pickling. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c.

**Early Green Cluster**—A short, prickly variety, bearing clusters, prolific. Fine for bottle pickles. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c.

**Small Gherkin, or Burr**—Used only for pickling while young and tender. Pkt., 5c. and 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.

**Japanese Climbing**—Distinct from other varieties, being a real climber. Very prolific of fruit. A valuable, interesting novelty. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., \$1.00.

**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.

**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.; ½ oz., 25c.; 1 oz., 50c.; ¼ lb., \$1.75.

**Florida High Bush**—It bears its eggs or fruit sometimes two to four feet above the ground, thus escaping liability of rot. Purple, large size and good quality. Pkt., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25.

**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., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25.

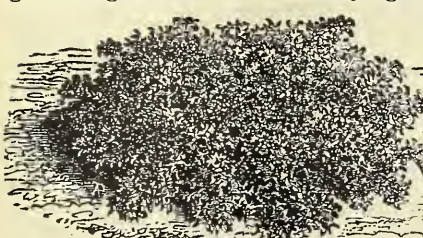
**Black Beauty**—The earliest large variety; color, rich, dark purple. Pkt., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25.

EGGPLANT PLANTS, SEE PAGE 3

**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 afterward, 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.



M.-S. Ebony King

**Green Curled Endive**

**White Curled**—Self-blanching. Very tender when young; blanches readily. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

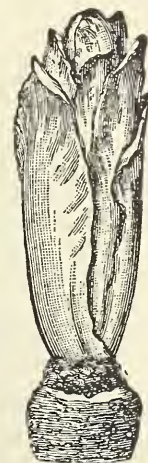
**Broad Leaved Batavian (Escarrole)**—This variety is chiefly used in soups and stews; it requires to be tied up for blanching. Pkt., 5c. and 10c.; 1 oz., 15c.; ¼ lb., 35c.; lb., \$1.00;

**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., 5c. and 10c.; oz., 25c.; ¼ lb., 90c.

**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., 5c. and 10c.; oz., 25c.



Whitloof Chicory

**HERBS**

(German—Krauter. 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.

**Borage**—Pkt., 5c. and 10c.

**Caraway**—Seeds used to flavor bread. Pkt., 5c. and 10c.; oz., 25c.

**Coriander**—Pkt., 5c. and 10c.

**Dill**—The seeds are used as a condiment and for pickling. Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., 75c.

**Fennel**—Pkt., 5c. and 10c.

**Horehound**—For medicinal purposes and flavoring. Pkt., 5c. and 10c.

**Lavender**—For flavoring and perfumery. Pkt., 5c. and 10c.

**Martynia**—Produces long green pods which are used for pickling. Pkt., 5c. and 10c.; ½ oz., 25c.

**Pot Marigold**—Pkt., 5c. and 10c.



**Rosemary**—Leaves used for seasoning. Pkt., 5c. and 10c.

**Rue**—Pkt., 5c. and 10c.

**Sage**—For seasoning and dressing. Pkt., 5c. and 10c.; oz., 40c.

**Summer Savory**—Used for flavoring. Pkt., 5c. and 10c.; oz., 25c.

**Sweet Basil**—For flavoring soups. Pkt., 5c. and 10c.; oz., 25c.

**Sweet Marjoram**—Leaves and ends of shoots used for seasoning. Pkt., 10c.; oz., 40c.

**Saffron**—For medicinal and coloring purposes. Pkt., 5c. and 10c.

**Thyme (Broad Leaf)**—For seasoning, also for making tea for nervous headache. Pkt., 5c. and 10c.; oz., 50c.

**Woodruff**—A sweet scented herb which is used as essence in the German Maitrank. Pkt., 15c.

**Wormwood**—Pkt., 5c. and 10c.

**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., 5 and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

**Earliest Purple Vienna**—Same in every respect as the Earliest White Vienna, except in the outside color. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.

KOHL-RABI PLANTS, SEE PAGE 3



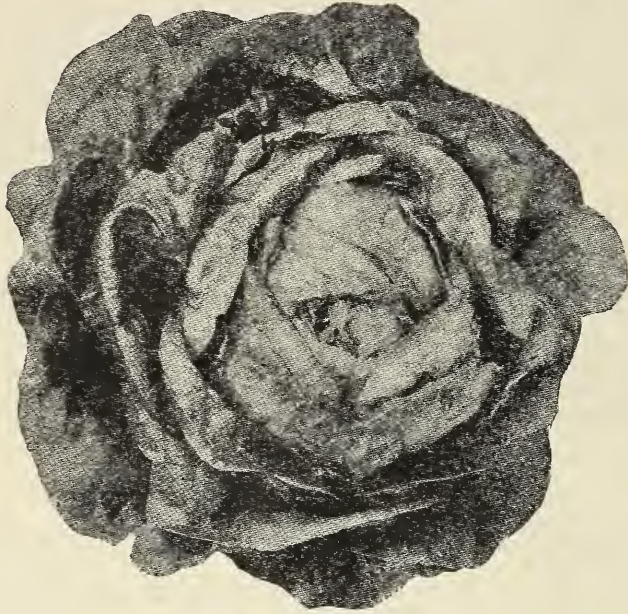
Don't Forget to Order that Cart Load of Manure in a 100 lb. Bag.

# M. & S. CHOICE STRAINS OF LETTUCE

(German—Salat. French—Laitue.)

TWO OUNCES OF SEED TO 100 YARDS OF ROW; ONE OUNCE FOR 2,000 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.



M. & S. Belvedere Lettuce

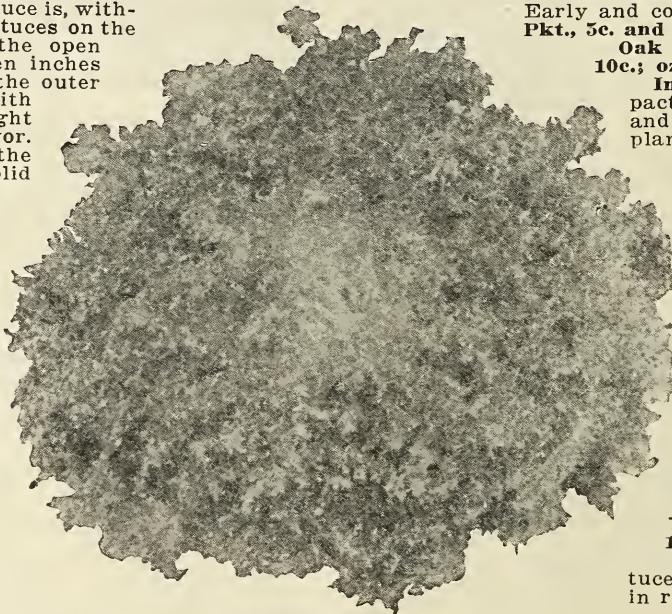
**M. & S. BELVEDERE LETTUCE**—In 1912 we introduced this grand Lettuce after having it in our trial grounds for two seasons, and we were amply repaid by the success which our Truck Farmer customers had with it. The **M. & S. Belvedere** is extremely slow in running to seed; it is therefore the ideal 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., 75c.; 1 lb., \$2.50.**

**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., 5c. and 10c.; oz., 15c. ¼ lb., 30c., lb., 90c.**



Romain White Cos Lettuce.

**Romain White Paris Cos**—Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 35c.; lb., \$1.25.**



Black Seeded Simpson Lettuce

**Black Seeded Simpson Lettuce**—Fine, large, loose heads, early, finely fringed and curled; very popular for family garden and forcing. **Pkt., 5c. and 10c.; ¼ lb., 30c.; 1 lb., \$1.00.**

**Best of All**—A great drought and heat resister; forms large compact heads of light green leaves and yellow heart. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.00.**

**M. & S. ALL-RIGHT**—For early Spring and Fall sowing. Produces beautiful light green heads, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.**

**Grand Rapids**—Excellent for forcing, fine quality, large, loose, yellowish-green head, stands well. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., 90c.**

**California Cream Butter**—A good Summer sort, of reliable heading quality. Yellowish-green, slightly marked with brown specks. This is a variety growing in favor. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., 90c.**

**Improved Hanson**—Large, compact, reliable header; outside leaves curled. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., 90c.**



Big Boston Lettuce.

**Big Boston**—Resembles Boston Market, but nearly twice as large, desirable for forcing and Spring and Fall outdoor planting. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.**

**Boston Market, or White-Seeded Tennisball**—Early and compact, quite desirable, good forcer. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., 90c.**

**Oak Leaf**—Quite popular. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., 90c.**

**Improved White Loaf**—Large, compact heads. Light-green color; tender and crisp. The best Winter lettuce to plant. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 25c.; 1 lb., 90c.**

**Iceberg**—Leaves green, heads large, solid; one of the best large-growing cabbage lettuces. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.**

**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., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.**

**Way-a-Head**—Similar to the above, but suitable for all-season in or out-door planting. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.**

**Unrivalled**—This grand new lettuce can be sown most any time, slow in running to seed; has beautiful green outside leaves and white heart and is tender and crisp. **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; 1 lb., \$1.00.**

**LETTUCE PLANTS  
POPULAR VARIETIES,  
SEE PAGE 3**

Dear Sirs:—I am writing to let you know that the twenty-five R. I. Red pullets arrived O. K., and they are a fine looking lot. I am very much pleased with them.

Yours truly,

FREDERICK AROLD, Mngr. for S. Proctor Brady, Lutherville, Md.



## KALE, or BORECOLE

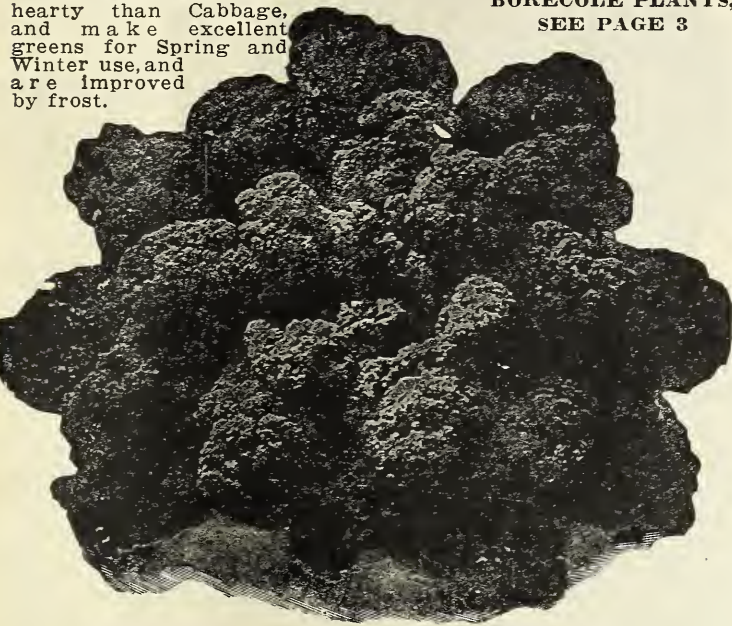
(German—Krauskohl. French—Chou Vert)

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 3



**Borecole—Hardy Winter**

**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-curling leaves as soon as the first ones are cut. 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., 5c. and 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., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

**Dwarf Green Kale**—Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

**Tall Scotch**—Best for Summer. Very spreading, nicely curled and hardy; frost improves it. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

**New Imperial Curled Long Standing**—The leaves are very crimped and of a dark green color. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

**Dwarf Green Curled Scotch, or Norfolk**—One of the most popular shipping sorts; very largely used in Norfolk trucking district. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

## 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., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

**American, or Flag**—One of the hardiest and best for Winter use. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.



## 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., 40c.; ¼ lb., \$1.25.

**WATERMELONS—SEE PAGE 17**

## MUSKMELONS, or CANTALOUPE

(German—Melone. French Cantaloup)

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

**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 hot-bed, 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., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; 1 lb., \$1.50.



**M. & S. Golden Wonder Cantaloupe.**

**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., 5c.; oz., 10c.; ¼ lb., 25c.; 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., 5c. and 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., 5c. and 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., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c.

**Emerald Gem**—Small, green skin, delicious yellow flesh. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; 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., 5c.; oz., 10c.; ¼ lb., 25c. lb., 90c.

**Jenny Lind**—Very early, small, round, netted and of fine quality; green fleshed. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., \$1.00.

**Hackensack, or Turk's Cap**—A very fine, large sort; green fleshed. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c.

**Miller's Cream, or Osage**—Melons are large and round, with light green, netted skin, and thick, sweet, salmon-colored flesh. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; 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., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 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., 5c. and 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., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

## PURE CULTURE, SPORE PROCESS MUSHROOM—SPAWN

(German—Champignonbrut. French—Champignon)

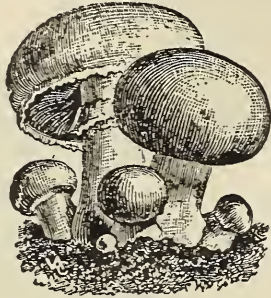
Have you ever raised Mushrooms or are you trying to and not meeting with success? The Spawn we offer is the best obtainable, and with each purchase of same we give away, when desired, a complete guide on Mushroom culture.

**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 bricks 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. Iron frame and point very strong. Price, \$2.00

Leaflet on Growing Mushrooms free.



Prizetaker Onion

**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 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., 5c. and 10c.; oz., 15c.; 1/4 lb., 40c.; lb., \$1.25.

**Yellow Globe Danvers**—One of the most extensively used yellow onions. Bulbs of medium size, uniformly globe shaped with small neck, and ripen very evenly. Flesh white, crisp, and of mild and excellent flavor. We have developed a strain which has the ripening habit and small neck of the original Danvers and yet is more globular, thus giving larger yields and handsomer bulbs without sacrificing any of the good qualities of the Original Danvers. Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 40c.; lb., \$1.25.

**White Silverskin**—Ripens early; of large size, mild in flavor and excellent for Winter use; much esteemed for pickling when small. Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 40c.; lb., \$1.25.

**Large Red Wethersfield**—Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. Pkt., 5c. and 10c.; oz., 15c.; 1/4 lb., 40c.; lb., \$1.25.

**Australian Brown**—The bulbs grow to a good marketable size, and are very hard and solid. They ripen earlier than either Yellow Danvers or Red Wethersfield, are beautiful brown color and mild flavor. Pkt., 5c. and 10c.; oz., 20c.; 1/4 lb., 60c.; lb., \$1.50.

**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. In the South seed sown in the Fall will produce fine large onions for market in early Spring. Pkt., 10c.; oz., 25c.; 1/4 lb., 75c.

**Red Bermuda**—Pkt., 10c.; oz., 25c.; 1/4 lb., 75c.

**Chives Seed**—Pkt., 10c.; oz., 75c.

## MUSTARD

(German—Senf. French, Moutarde)

**White Mustard**—For salads and culinary purposes. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.

**Brown Mustard**—Stronger than above. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.

## OKRA, or GUMBO

(German—Safran.)

Four ounces to forty 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., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

**Improved Dwarf Green Prolific**—Of dwarf growth, but immensely productive and very early. Short, thick, green pods. Home grown seeds of superior quality. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

**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., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 60c.



Improved Dwarf Green Prolific Okra.

## ONION

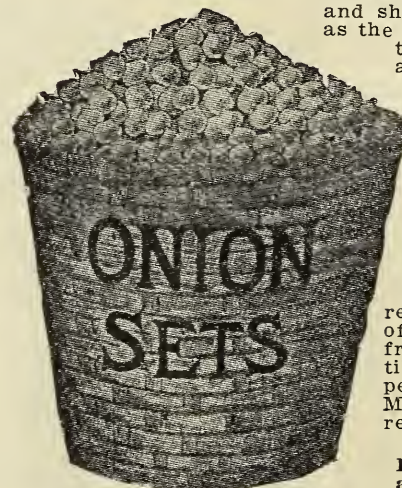
(German—Zwiebel. French—Eignon)

**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 replant 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 a 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 early April, in strong land, well manured, and thinning them out to stand three or four inches apart in the drills.

## 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 set 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.

If ordered to be sent by Parcel Post, include postage according to zone; a quart of Onion Sets weighs about 1/2 lb.

**Yellow Danvers**—Pt. 15c.; qt., 25c.; pk., \$1.00 bu., of 32 lbs., \$3.00.

**Large Red Wethersfield**—Pt., 15c.; qt., 25c.; pk., \$1.25; bu. of 32 lbs., \$3.75.

**White Silver Skin**—Pt., 15c.; qt., 25c.; pk., \$1.25; bu. of 32 lbs., \$3.25.

**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.

Gentlemen—I think it may be of some interest to you to know that I have had wonderful results with your pure culture Mushroom Spawn.

Most respectfully, MRS. J. J. GEORGE, Long Green, Md.

# M. & S. SUPERIOR HAND PICKED PEAS

(German—Erbesen. French—Pois)

Bushel Prices 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 the bushel.  
**Wrinkled Peas**—Weigh 56 lbs. to the 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.

Packets of all varieties of Peas, 5c. and 10c.

If wanted by Parcel Post, include postage, according to zone. Weight, 1 pt., 1 lb.; 1 qt., 2 lbs.; pk., 15 lbs. Prices on all Pea Seeds are subject to market changes.

## 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 inches 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.

**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.

**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 seven to eight peas of extra fine flavor. Pt., 25c.; qt., 40c.; pk., \$2.50.

**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. Pt., 25c.; qt., 40c.; pk., \$2.50.

**Nott's Excelsior**—One of the best dwarf early wrinkled peas. It grows about 14 inches high, very productive, and the pods three inches long, generally contain six or seven large, sweet peas of the finest quality. Well recommended for home use. Pt., 25c.; qt., 40c.; pk., \$2.50.

**American Wonder**—Dwarfer and a trifle earlier than the preceding, but not quite so productive. The peas are sweet, tender and of delicious flavor. Pt., 25c.; qt., 40c.; pk., \$2.50.

Use M.-S. Inoculating Bacteria on the Peas you plant and be surprised by results. Garden size, 50c. one-acre size, 75c.; two-acre size, \$1.45; four-acre size, \$2.25, and six-acre \$3.00.



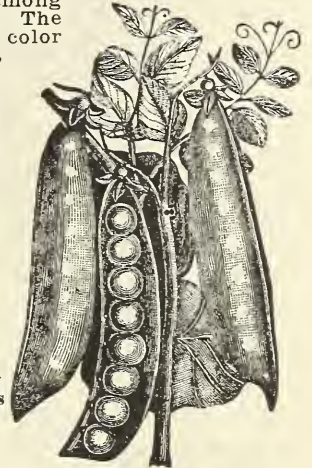
M. & S. WORLD'S RECORD

## 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., 20c.; qt., 35c.; pk., \$2.00.

**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., 20c.; qt., 35c.; pk., \$2.00.

**Market Surprise**—Larger pod than the Pedigree First and Best. Fine quality, a little longer picking season. Pt., 20c.; qt., 35c.; pk., \$2.00.



Extra Early Alaska Peas

**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., 20c.; qt., 35c.; pk., \$2.00.

**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., 20c.; qt., 35c.; pk., \$2.25.

**M. & S. BOUNTIFUL**—Resembling Long Pod Alaska in general habit of growth. Vines light green in color. Pods 3 inches long, slightly curved. Seed bluish green, medium size and pitted. Height of straw, 30 inches. Pt., 20c.; qt., 35c.; pk., \$2.25.

**M. & S. SAXONIA**—This is a grand new extra early pea, maturing in 75 days. Height of vine 30 inches, a very prolific bearer, bearing handsome pods 2 3/4 inches long all along the vine. Truckers will find this a profitable pea to plant. Pt., 20c.; qt., 35c.; pk., \$2.25.

Bushel prices on application.

## MEDIUM EARLY WRINKLED

**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.

Gentlemen—I bought one bushel of Telephone Peas from you and treated same with your M.-S. Legume Inoculation, same yielded 116 1/2 bushels and sold for \$404.80. I beat all my neighbors. Yours truly, GEORGE PEARCE, Fork, Md.

## MEDIUM and LATE VARIETIES

PEAS—Continued

**M. & S. Legume Inoculation for All Kinds of Peas**—Means bigger crops, healthier vines, early and more continuous crops. Garden size, 50c.; 75c. per acre bottle; 2 acres, \$1.45; 4 acres, \$2.25; 6 acres, \$3.00. It will pay you to use this when you plant peas and beans. (See index.)

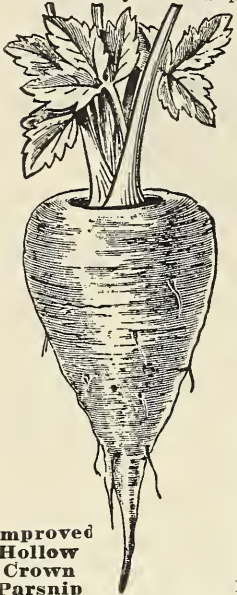
**Telephone**—For general planting this tall-growing variety is undoubtedly the most popular among market gardeners. The pods, four to four and one-half inches long, are light green in color and filled with large, sweet, tender peas. Pt., 25c.; pt., 40c.; pk., \$2.50.

**Champion of England**—A standard pea; vines grow four and one half feet high and bear medium-sized pods of peas of good quality. Pt., 25c.; qt., 40 c.; Pk., \$2.50.

**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., \$2.50; 60 pounds to bushel.

**French Canner**—Largely grown for canning. It is very productive, the pods are long, slightly curved and well filled; quality is good; late. Pt., 25c.; qt., 40c.; pk., \$2.50 60 pounds to bushel.

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



Improved  
Hollow  
Crown  
Parsnip

### 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 admit, in drills 15 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., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

### M. & S. IMPROVED JUMBO PEANUTS

(German—Erdnüsse.

(French—Pistache de terre)

**Culture**—Plant in May or early June, in rows about two and one-half to three feet apart, dropping the nuts eight to ten inches apart, one in a hill. Cover one or two 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**—(Shelled)—¼ lb., 15c.; ½ lb., 25c.; lb., 50c. Special price on large quantity.



### 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.

**Large Bell, or Bull Nose**—Large, early variety; hot flavor, thick and fleshy. Pkt., 5c. and 10c.; oz., 40c.

**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.; ½ oz., 30c.; oz., 50c.

**Perfection Pimento Pepper**—Compact plant of uniform growth. Bearing an abundance of perfectly sweet large peppers, which can be used in their green state or when the fruit has turned red. It is the best sweet pepper for the home garden. Pkt., 10c.; ½ oz., 30c.; 1 oz., 50c.

**Large Sweet Spanish**—A variety rivaling with Chinese Giant, is, however, not as large. Color and shape very similar, also late in maturing; for mangoes or pepper hash this is an ideal sort. Pkt., 5c. and 10c.; oz., 40c.

**Long Red Cayenne**—Long, slim, and very pungent. Pkt., 5c. and 10c.; oz., 50c.

**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.

**Mammoth Ruby King**—Good for Mangoes or pickling, very sweet. Large, quite productive. Pkt., 5c. and 10c.; oz., 40c.

**Small Chili**—Small, red, conical pods. Very hot and prolific. Pkt., 5c. and 10c.; oz., 50c.

**Red Cherry**—A small round pepper, very hot. Pkt., 5c. and 10c.; oz., 75c.

**Neapolitan**—This variety is an excellent one, grows a long shape and somewhat narrow; it stands upright on the bushes. The fruit is sweet and bright red; a very early sort. Pkt., 5c. and 10c.; oz., 50c.

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



M. & S. Everbearing Sweet Pepper

PEPPER PLANTS LISTED ON PAGE 3

### 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., 5c. and 10c.; oz., 15c.; ¼ lb., 25c.; 1 lb., 75c.



**Champion Moss Curled**—A distinct variety of unequalled merit, beautifully crimped and curled. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

**Green Mountain Parsley**—Beautifully crimped and curled; perfectly hardy and vigorous grower. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.

**M. & S. Green Curled Beauty Parsley. Plain, or Single**—Very strong in flavor, but not curled. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.

**Hamburg, or Rooted**—Edible roots. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.

### POTATOES

(German—Kartoffeln. French—Pomme de Terre)

Best Price on All Kinds: Pk., \$1.00; Bu., \$3.50.

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.

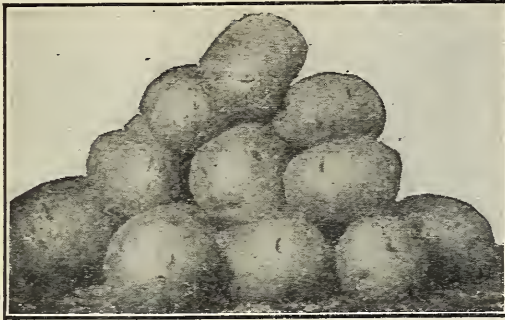
**Irish Cobbler**—This is an early potato of exceptional merit, which has given our trade entire satisfaction. The shape is round. Flesh is white and the eyes strong and deeply set.

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

Write for prices on potatoes.

For better crops—Prepare your soil with our high grade Sheep Manure, we can sell you a whole wagon load in a bag at surprisingly low figure.

**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.



**Irish Cobbler Potato**

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

**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 3

**PUMPKIN**

(German—Kürbiss. French—Potiron)

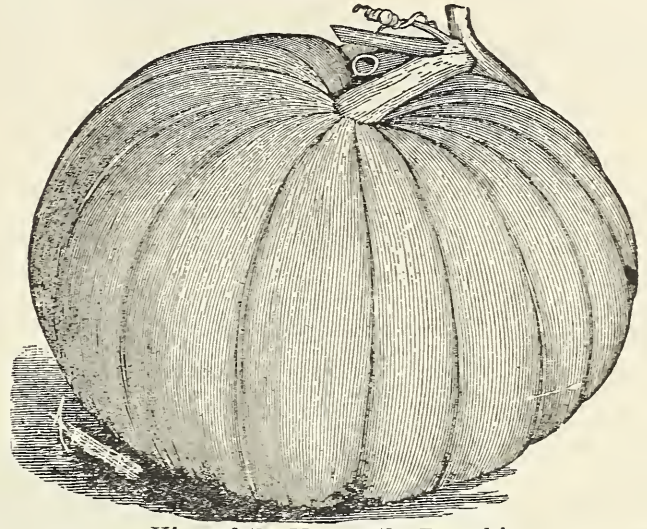
One ounce for fifteen hills; three to four pounds plants an acre.

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

**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., 5c. and 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 crook-neck, fine grained yellow flesh, very solid. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

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



**King of the Mammoths Pumpkin**

**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., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

**Japanese Pie**—Flesh very thick, rich salmon color, fine grain, dry and sweet. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.25.

**Tennessee Sweet Potato**—Excellent for pies; pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first rate keeper. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

**Cheese**—Shape flat like a cheese box; good keeper, popular. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

**Common Yellow, or Connecticut Field**—Very productive; for feeding stock. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

**WATERMELON**

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

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

**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.

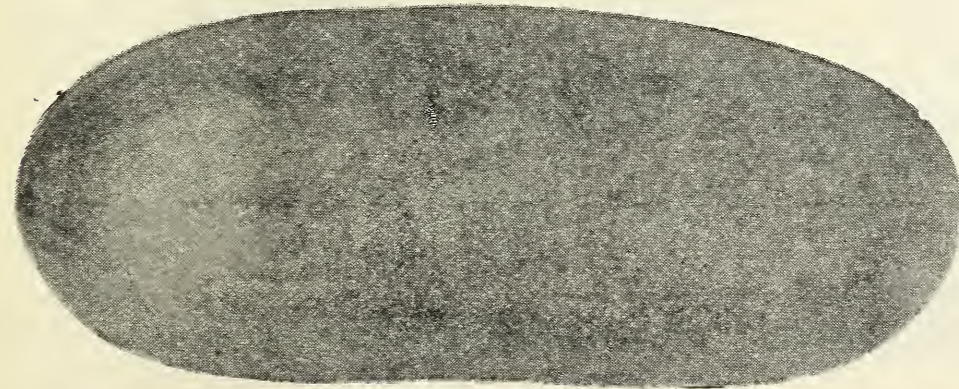
**TRY THESE IN YOUR NEXT GARDEN**

**NEW M. & S. GOLDEN HEART WATERMELON**—A decided novelty in Watermelons. Vigorous vines producing an abundance of light green melons, which have delicious yellow meat almost to the rind. Pkt., 10c.; oz., 25c.; ¼ lb., 75c.

**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., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.25.

**M. & S. EXCEL**—A new watermelon. Great improvement over Tom Watson. Long green. Excellent for market gardeners and shippers. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

**TOM WATSON**—This melon has created quite a furore wherever grown, and we believe is unquestionably the best quality shipping melon in our list. It has a dark green rind, solid red luscious meat ripening up to the rind. 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., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.



**M. & S. EXCEL WATERMELON**

**Monte Cristo, or Kleckley Sweet**—Where sweetness combined with large size is desired this variety will surely please, as it not only produces melons above the medium size, but has that crisp, sugary flavor so much desired in a watermelon. It is the sweetest of all. Oval shape, skin dark green and somewhat mottled; rind is thin, but sufficiently tough to stand carrying to nearby markets. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 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., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

**McIver's Wonderful Sugar**—Resembles Old Rattlesnake, superior in quality. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

**Gray Monarch, or Long White Iceing**—Very large, long, crimson flesh. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

**Mountain Sweet**—Popular sort; early and sweet. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

**Indian Chief**—Excellent shipper; none better for the private garden. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 25c.; lb., 75c.

**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., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

**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., 5c.; oz., 10c.; lb., 75c.

Capt. J. M. Moore, Revenue Cutter Service, Arundel Cove, Md., tells us that he was highly pleased with results he obtained from flower and vegetable seeds purchased from us.

# M. & S. SELECT 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. 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., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**M. & S. SPECKLED BEAUTY RADISH**—This is a very early, short leaved, handsomely spotted and striped; red and white globular-shaped radish. Very tender and crisp, to be highly recommended for home garden and retail market stall. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Scarlet Globe Early**—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., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 50c.

**French Breakfast, Early**—Ob-long shape, rapid grower, very mild and tender; of a beautiful scarlet color, topped with white. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**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., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 50c.

**Icicle**—A beautiful long, slender radish, of recent introduction. Beautiful pearl-white color, firm and solid, slow to get woody. A good seller. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; 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., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 50c.

**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., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**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., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**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., 5c.; oz., 10c.;  
 $\frac{1}{4}$  lb., 15c.; 1 lb., 50c.

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 facing and outdoors. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; 1 lb., 60c.

**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., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Crimson Giant**—Like above but much larger. Very desirable. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**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., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

## Summer Varieties

**Large White Stuttgart**—Very large, top-shaped, kesh and skin white, fine quality, firm and brittle, seldom pithy. Can be stored for Winter. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Large White Summer Turnip**—Round, smooth and very white; crisp and tender. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Golden Globe**—A favorite summer radish. Golden-brown skin, perfect globe shape, mild and brittle slow to seed. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; 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., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Improved Chartier**—Somewhat resembling brightest scarlet—early radish. It is double the size and later; long scarlet and tipped with white. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

## Winter Varieties

**Long Black Spanish**—Large radish, with black skin and white firm flesh, grows six to eight inches long. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Round Black Spanish**—Like the above, except that it is round shape. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Long White Spanish**—Like the Long Black Spanish, only different in color. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Round White Spanish**—Like the Round Black, but white, like all the Spanish radishes, which are fine keepers, mild flavor and brittle. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**China Rose, or Scarlet China**—Bright rose-colored, stump-rooted, of excellent quality. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**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., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**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., 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.

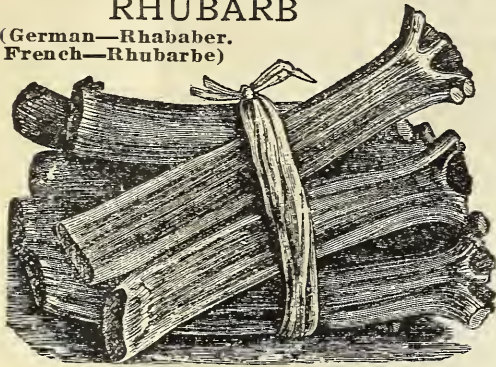
**Merima**—Also a Japanese radish. Similar to Sakurajima, but round instead of long. Very tender and sweet. Pkt., 5c. and 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.

**HORSERADISH (German—Meerrettig; French—Raifort)**—  
SEE PAGE 3

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.

**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., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.

ROOTS—SEE PAGE 3.

**SALSIFY, or OYSTER PLANT**

(German—Haferwurzeln. French—Salsifi)

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., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

**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 about and not unlike asparagus. Absolutely the best for home gardens. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 25c.; 1 lb., 75c.

**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., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.

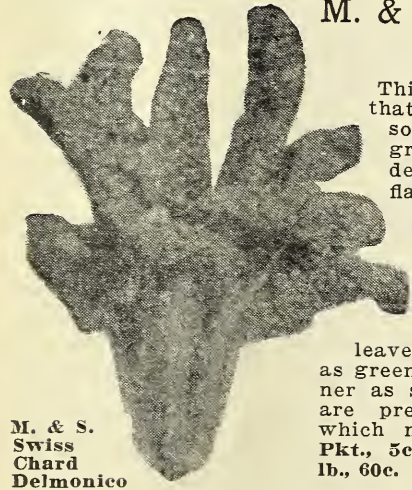
**TOBACCO SEED**

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

Havana Seed Leaf—Pkts., 5c. and 10c.; oz., 35c.

Maryland Tobacco—Pkts., 5c. and 10c.; oz., 25c.

M. & S. Swiss Chard Delmonico



**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.

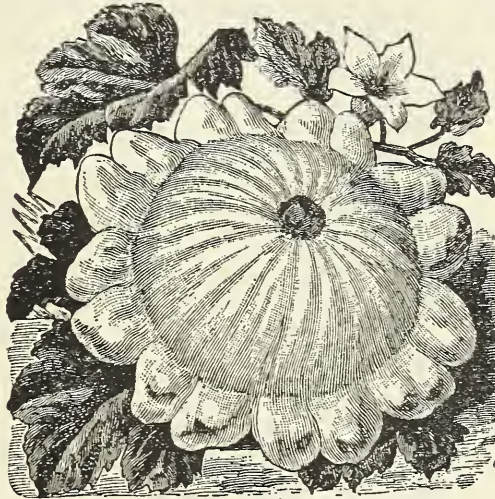
Large French—Pkt., 5c.; oz., 25c.; ¼ lb., 75c.

**SQUASH**

(German—Gemüse Kürbis. 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.

**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



M. & S. Perfection Bush Squash

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., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.25

**Early Mammoth White Bush Squash**—An excellent strain. Early prolific and much larger than the old White Bush. Splendid for market and best for shippers. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

**Summer Crookneck, Bush Variety**—About one foot long, with crooked neck, bright yellow, warty, shell hard when ripe. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

**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., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 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., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 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., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.

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.

## TURNIP

(German—Rübe. French—Navet)

One ounce 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

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., 5c.; oz., 10c.; 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., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 40c.

**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., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 50c.

### M. & S. Early Champion Turnip

**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., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.

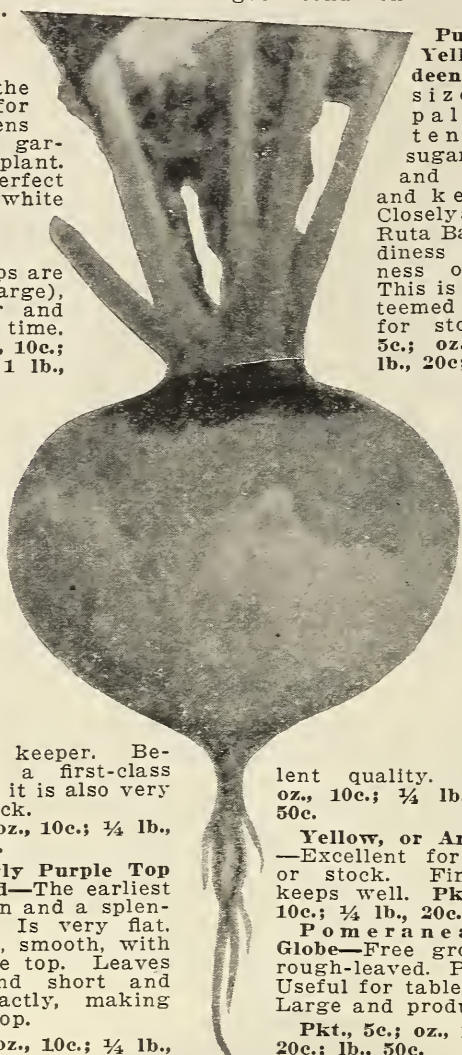
**Seven Top**—Grown exclusively for its tops, and when properly prepared and cooked, make a fine dish. Withstands our Winter without any protection. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 75c.

**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.

**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., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 75c.

## 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., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.



**Purple Top Yellow Aberdeen**—Medium size, round, pale-yellow, tender and sugary. Is hardy and productive and keeps well. Closely approaches Ruta Baga in hardness and firmness of texture. This is an old esteemed variety for stock. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 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., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 50c.

**Yellow, or Amber Globe**—Excellent for table use or stock. Fine quality, keeps well. Pkt., 5c.; oz., 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., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 50c.

## SPINACH

(German—Spinat. French—Epinard)

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

**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.

**Bloomsdale Savoy Leaved**—The popular Fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 50c.

Prices on larger quantities furnished on application.

**Victoria**—A favorite for early Summer. It is one of the darkest in color, and with exception of the heart, the leaves are comparatively smooth. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 50c.

**Long Season**—Leaves are decidedly dark green in color, very broad, thick and fleshy. It resists the Summer heat remarkably well, in fact better than all others, and remains a long time in condition for use before going to seed. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 50c.

**New Zealand**—Distinct from the ordinary Spinach in appearance. The plants are more spreading in growth with small, very dark green leaves, which may be had throughout the hot Summer months. Sow seed outdoors during May, dropping about three seeds in hills two feet apart each way. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.



Victoria Spinach

## 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 luxurious 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.; bu., \$2.50. Price for larger quantity on application.

**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.; bu., \$2.50. Price for larger quantity on application.

**Golden Beauty**—Large, broad-grained, yellow corn. Ears are well filled out. A heavy yielder. Qt., 25c.; ¼ pk., 40c.; bu., \$2.50. Price for larger quantity on application.

**Maryland Yellow Dent**—Large ear; moderate size stalk; withstands drought well. Qt., 25c.; ¼ pk., 40c.; bu., \$2.50. Price for larger quantity on application.

**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.; bu., \$3.00. Price for larger quantities on application.

**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.; bu., \$2.50. Price for larger quantity on application.

**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.; bu., \$2.50.

**M. & S. White Ensilage Corn**—Very prolific, tall grower. Qt., 25c.; ¼ pk., 40c.; bu., \$2.75.



Boone County White Corn

Dear Sirs—I am writing to let you know that the twenty-five R. I. Red pullets arrived O. K., and they are a fine looking lot. I am very much pleased with them.

FREDERICK AROLD, Mngr., for S. Proctor Brady, Lutherville, Md.



# M. & S. "SURE CROPPING TOMATOES

(German—Liebesapfel. French—Tomate)

## EARLY VARIETIES

**M. & S. Early Wonder**—This is the first 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., \$1.25; 2 oz., \$2.15; ¼ lb., \$4.00; lb., \$15.00.**

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 hot-bed 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.

## 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, 10 and 25 cents; ounce 50 cents;  
¼ pound, \$1.75; 1 pound, \$6.00.

M. & S. INCOMPARABLE TOMATO

**Extra Early I. X. L.**—Combines extreme earliness, immense size and prolificness. Fruit red, ripening mostly all at one time. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 75c.; 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., 5c. and 10c.; oz., 20c.; ¼ lb., 75c.; 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., 5c. and 10c.; oz., 20c.; ¼ lb., 75c.; 1 lb., \$2.50.**

**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., 5c. and 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., 5c. and 10c.; oz., 25c.; ¼ lb., 90c.; lb., \$3.00.**

**Bonnie Best**—A tomato of fine quality. Early, round, smooth, red fruit of excellent flavor. **Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 75c.; lb., \$2.50.**

**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., 5 and 10c.; oz., 20c.; ¼ lb., 90c.; 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., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.**

**Sunnybrook Special**—A great favorite with the Anne Arundel County truckers on account of its earliness, productiveness and uniformity. **Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 90c.; lb., \$3.00.**

Dear Sirs—My first order has been received. The plants, trees and rose bushes are all living beautifully. The magnolia tree is blooming.  
MRS. ELMER O. TOWNSEND. Marion, Md.

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

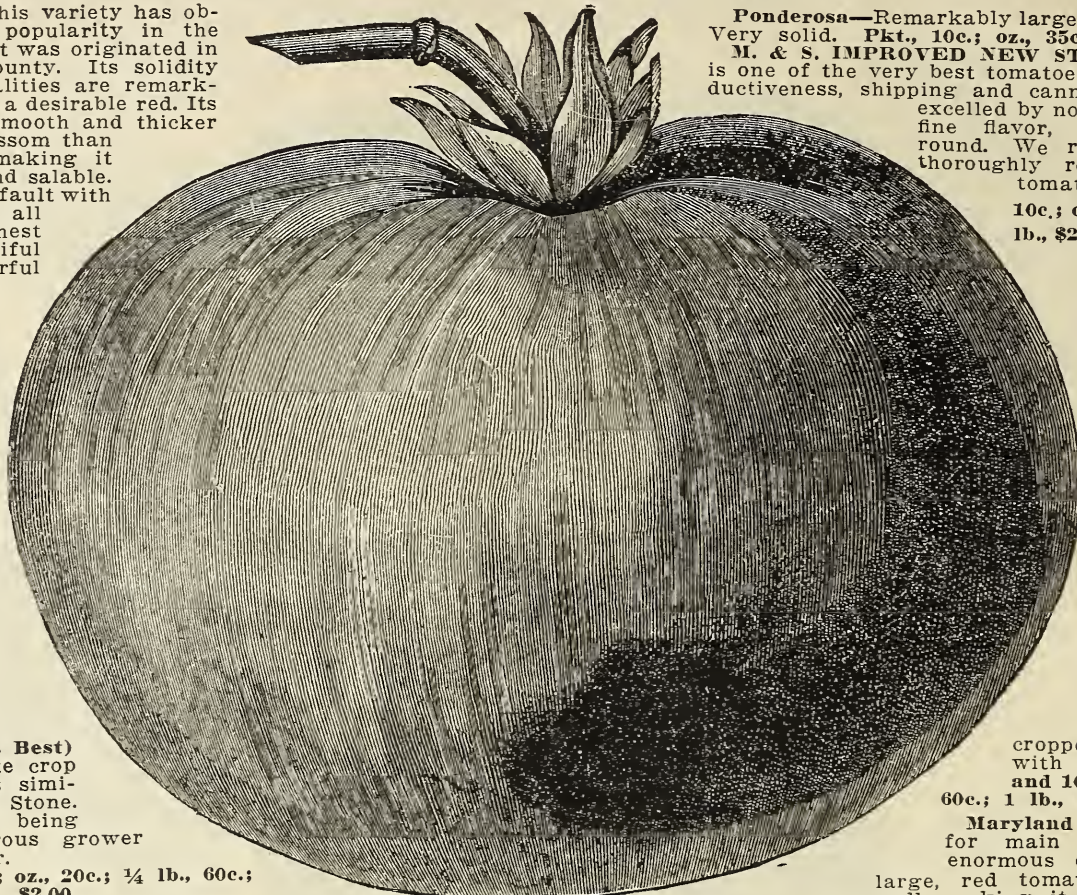
**M. & S. BIG CHIEF**—A grand new main-crop tomato of the very highest quality. It produces an abundance of large handsome red fruit, which ripens clean to the stem and will bear heavily from early part of July until frost. It is a very shy seeder. The meat is deliciously juicy and free from acid. It 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 unequaled firmness, or some other of its good points. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.; 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., 5c. and 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., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; 1 lb., \$2.00.

**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., 15c.; oz., 40c.; ¼ lb., \$1.50; 1 lb., \$5.00.



M. & S. BIG CHIEF TOMATO

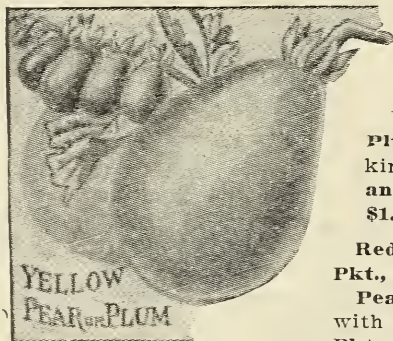
**Ponderosa**—Remarkably large and of fine quality. Very solid. Pkt., 10c.; oz., 35c.; ¼ lb., \$1.25.

**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., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; 1 lb., \$2.00.

**Livingstone's Globe**—Glossy rose-color, tinged with purple, very early, smooth and of large size; very productive and a good keeper. A standard variety which retains its popularity; very popular with ers. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; 1 lb., \$2.

**New Queen**—Large, solid, smooth, handsome, deep red color, a heavy cropper and popular with canners. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; 1 lb., \$2.00.

**Maryland Pride**—A tomato for main crop. Producing enormous quantities of fine, large, red tomatoes, which carry well, making it a good shipper. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; 1 lb., \$2.00.



**Golden Queen**—Bright yellow, large and solid. Pkt., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25.

**Yellow Pear and Yellow Plum**—Two small-fruited kinds for preserves. Pkt., 5c. and 10c.; oz., 35c.; ¼ lb., \$1.25.

**Red Pear**—Pear-shaped red. Pkt., 5c. and 10c.; oz., 40c.

**Peach**—Very small, pink fruit, with slight peach bloom on skin. Pkt., 5c. and 10c.; oz., 40c.

## 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.

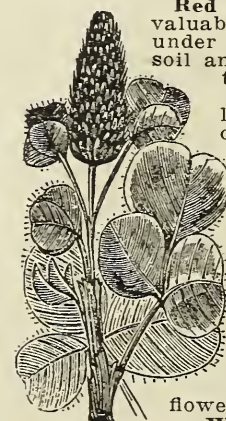
**Alsike, or Hybrid Clover** (*Trifolium hybridum*)—A perennial, one to three feet high; grows well in our locality and can withstand severe cold. A good honey plant for bees. Fifteen lbs. to the acre. Lb., 30c.

**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 pasturage 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 *Bok hara*)—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; last for year if cut before flowering 25c., lb.



Red Clover

**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., 20c.; ½ lb., 35c.; 1 lb., 60c.

**M. & S. Legume Inoculation for All Kinds of Clover**—Means bigger crops, healthier growth, early and more continuous crops. Garden size, 50c.; 75c. per acre bottle; 2 acres, \$1.45; 4 acres, \$2.25; 6 acres, \$3.00. It will pay you to use this when you plant peas and beans. (See index.)

# M. & S. RELIABLE GRASS SEEDS 23

**Blue Grass, Fancy Kentucky** (*Poa Pratensis*)—Our stock of this is extra fine, thoroughly re-cleaned; sow 3 to 5 bu. per acre on lawn, 2½ to 3 bu. on pasture fields (bu. 14 lbs.). **Per lb., 60c.** Larger quantity on application.

**Creeping Bent** (*Agrostis Stolonifera*) — Adapted admirably for lawns, also putting greens, tennis courts, etc.; sow 4 bu. per acre (20 lbs. per bu.). **Price on application.**

**Crested Dogtail** (*Cynosurus Cristatus*). Excellent as a pasture and lawn grass. Sow 3½ to 4 bu. per acre (21 lbs. per bu.). **Prices on application.**

**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 3 bu. per acre (24 lbs. per bu.). **Price, 25c. per lb.**

**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 on application.**

**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, 40c., per lb.**

**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 on application.**

**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.**

**Meadow Fescue** (*Festuca Pratensis*)—Sow 40 to 50 lbs. per acre (22 lbs. per bu.). **Price on application.**



**M. & S. Permanent Pasture Mixture makes a nutritious food for cattle.**

**Orchard Grass** (*Dactylis Glomerata*)—For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 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. (14 lbs. per bu.) **Price on application.**

**Rhode Island Bent** — For sowing at seashore resorts, on putting greens, tennis courts, etc.; 40 lbs. per acre (14 lbs. per bu.). **Price on application.**

**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.**

**Sweet Vernal** (Annual)—5 lbs. per acre. **Price on application.**

**Sweet Vernal** (Perennial)—**Price on application.**

**Sudan Grass Seed** (Annual)—This belongs to the forage crops and is allied to the millets. Sow 16 to 24 lbs. per acre. **15c. per lb.**

**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 (45 lbs. per bu.). **15c. per lb. Price varies constantly; ask for quotations.**

**Wood Meadow** (*Poa Nemoralis*)—The best grass for sowing under trees where a lawn is desired. Sow 30 lbs. per acre (14 lbs. per bu.). **Price on application.**

If grasses are wanted by Parcel Post, allow for postage.

Prices on Grasses subject to Market Changes.

Write for Special Prices in Quantities.

## M. & S. SELECTED FORAGE AND FARM SEEDS

Write for Samples and Prices in Larger Quantities.

**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.)

**CARROT SEEDS—SEE OFFER ON PAGE 9.**

**CATTLE BEETS** (*Mangel-Wurzel*)—**SEE OFFER ON PAGE 7**

**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 Whipcorwill, Gray, New Era, Black Eye and other leading varieties, also mixed. **Price on application.**

**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.).

**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. It can be sown as early as May 1st. This variety produces brown seed, is very prolific and matures early. It makes a very fine quality of flour; also used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. Any of the clover crops can be sown with buckwheat; these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre. **15c. per qt.; pk., \$1.00.**

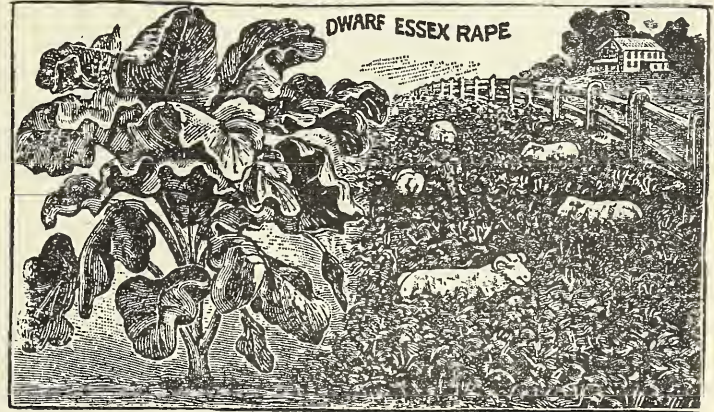
**Kaffir Corn**—Of great drought-resisting quality. Can be sown as late as July; 10 lbs. to the acre in drills (bu., 56 lbs.). **10c. lb.**

**Mammoth Yellow, Brown and Black, Pekin, Sable and Wilson Blacks, Soja Bean** (*Glycine hispida*)—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.**

**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., 20c.**



The best sheep or hog pasture.

## 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.**

**Sundflower—Large Russian—Lb., 10c.**

**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., 20c.**

**Spring Vetch**—Same as above, but not hardy; sow in Spring only. **Lb., 12c.**

## WINTER BARLEY

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

## OATS

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

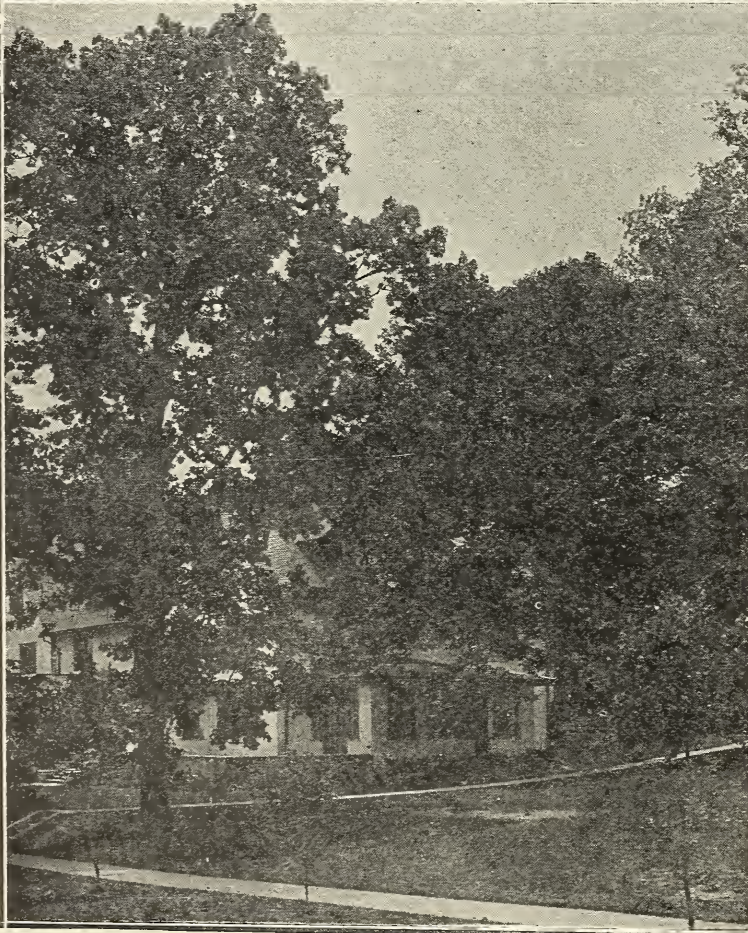
## SEED RYE

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.

## SEED WHEAT

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

PRICES ON APPLICATION.



## Great Many of the Finest Lawns Around Baltimore Are Seeded With M. & S. Well-Known LAWN SEEDS

### M. & S. ROLAND PARK GRASS SEED

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.

1 lb., 40c; 3 lb., \$1.15; 5 lb., \$1.85; 10 lb., \$3.50; bu., of 20 lbs., \$6.75.

**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., \$1.85; 10 lb., \$3.50; bu., of 20 lbs., \$6.75.

**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.

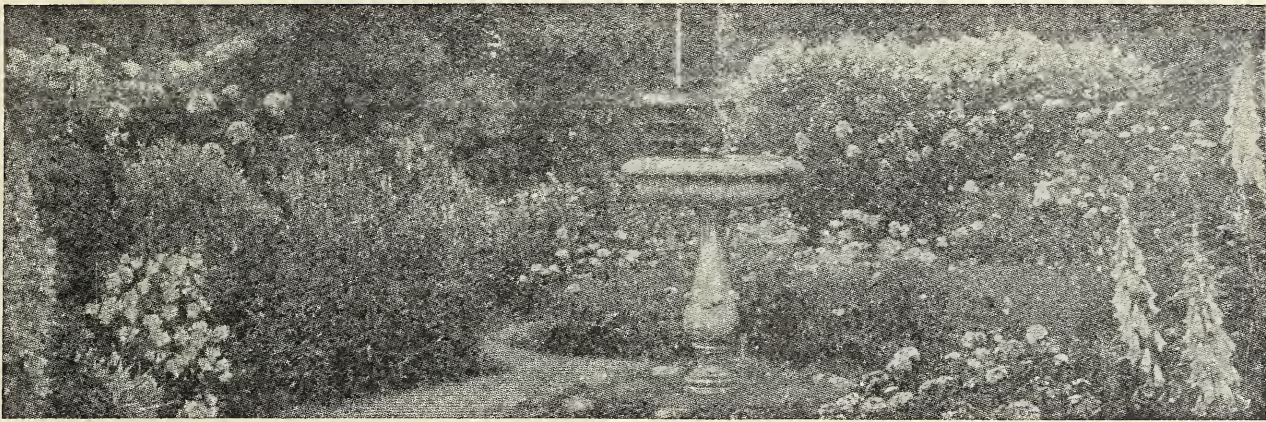
1 lb., 40c; 3 lb., \$1.15; 5 lb., \$1.85; 10 lb., \$3.50; bu., of 20 lbs., \$6.75.

**White Clover**— $\frac{1}{4}$  lb., 20c.;  $\frac{1}{2}$  lb., 35c.; lb., 60c.

**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., 35c.; bu. of 20 lbs., \$6.00.

**High Grade Shredded Cattle & 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 index).

# M. & S. FLOWER SEED DEPARTMENT



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, and 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.

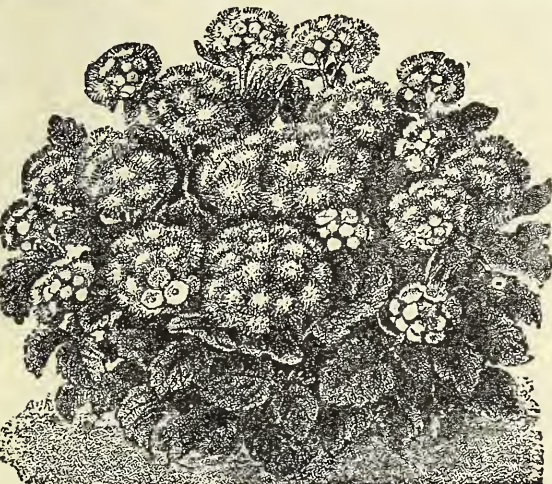
**Perennials.** Those which live from year to year, such as Aquilegia, Delphinium, Foxglove, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not 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 5c. Package, unless otherwise noted. All annuals are marked (a); Biennials (b); Perennials, (p).

**Adonis (a)**  
(Bird's Eye)—One of the choicest Spring flowering plants. Crimson.

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

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



Ageratum

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



**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.



Antirrhinum or Snapdragon

## 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.

M. - S. Giant Pink, Yellow, Striped, Scarlet colors and also mixed.

**M. & S. AMERICAN BEAUTY ASTER**—The Queen of All Asters. Very new, far superior to Paeony and Branching varieties. In 5 colors. Carmine, Rose, Purple, Lavender, September Beauty, (Shell Pink and Rose). Pkt., 10c., 25c., and 50c.; oz., \$2.50.



American Beauty Aster

**Aster Paeonie**—Flowering: White, rose, scarlet, lavender, dark blue and choice mixed. 10c. pkt.; 3 for 25c.; oz., \$2.00.

**Aster (Ostrich Plumed)**—Very beautiful; White, rose, scarlet, lavender, dark blue and choice mixed. 10c. pkt.; 3 for 25c.; oz., \$2.00.

**Asters, Semple's Branching**—In five distinct colors. White, pink, dark red, light blue, dark blue and all colors mixed. 10c. pkt.; 3 for 25c.; oz., \$1.75.

**Aster, Queen of the Market**—Very early; white, pink, lavender, scarlet, dark blue and choice mixed. 10c. pkt.; 3 for 25c.; oz., \$1.50.

**Asters**—China, mixed, double, choice colors.

**Perennial Aster (Michaelmas Daisy)**—10c. pkt.

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

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

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

**Begonia (a)**—Invaluable for bedding and pot culture; about one foot high, beautiful foliage, pink, white and crimson mixed. 10c. pkt.

**ALL FLOWER SEED PACKAGES ARE 5 CENTS UNLESS OTHERWISE STATED**

**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., 35c.; pkt., 5c. and 10c.**

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

**Calliopsis (a)**—A very showy annual in bloom from early summer till frost. Lemon, yellow with dark brown centres, rich crimson and mixed. **Oz., 40c.; pkt., 5c. and 10c.**

**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.**



**Carnation**

continuously. If slightly protected the first winter they will revive the following spring and bloom during that whole season.

**Pkt., 10c.; 3 for 25c.; oz., \$1.00.**

**Cardinal Climber (a)** (Ipomea Quamoclit Hybrida)—One of the finest annual climbers known to-day. 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 1 1/4 inches across (See illustration.) **Price: Pkg., 25c.; 5 pkts. for \$1.00.**



**CARDINAL CLIMBER**

**Centaurea (a)** (Centaurea Cyanus, Cornflower)—Also known as Blue Bottle, Ragged Sailor, Batchelor's Button. An old favorite garden annual. Emperor William, pink, white and mixed. **Pkt., 5c.; oz., 40c.**

**Centaurea Imperialis, or Sweet Sultan**—Gigantic, beautiful, sweet-scented flowers, borne on long stems. Mixed. **Pkt., 5c.; oz., \$1.00.**

**Centaurea, White Leaved (Dusty Miller)**—Grown for their silver foliage; fine for edging and hanging baskets. **Pkt., 5c.; 250 seeds, 25c.**

**Cerastium (a)** (Snow in Summer)—Dwarf, white-leaved edging plant; flowers white. **Pkt., 5c.; oz., 40c.**

**Chrysanthemum**—Annual and perennial varieties.

**Cineraria**—One of the most ornamental and useful plants for conservatory and house decorations.



**Centaurea Cyanus (Cornflower, or Batchelor's Button) Mixture, 60c. and \$1.00.**

**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, 1 1/2 feet. **Pkt., 5c.; large pkt., 20c.**



**Crested Cockscomb**

**Cobaea Scandens (a)** (Cups and Saucers 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.

**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, 2 1/2 feet.

**Coleus (a)—Large Leaved Hybrids**—Popular bedding plant with beautifully colored foliage; easily grown from seed if kept in warm temperature. **Pkt., 10c.; 3 for 25c.**

**Convolvulus**—See Japanese Morning Glory.

**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. **Pkt., 5c.; oz., 75c.**

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

**Cosmos (a)**—An autumn flowering plant. A charming, profuse bloomer. Crimson, pink, white and all colors mixed. **Pkt., 5c.; oz., 50c.**

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

**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. Flower beautiful and large; petals broad; crimson, pink, white and all colors mixed; profuse bloomer. **Pkt., 5c.; oz., 50c.**

**Double-crested Cosmos (a)**—We take great pride in offering this novelty to our customers. 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 and white. Seed scarce. **Pkt., 25c.; 5 pkts., \$1.00.**

**Cypress Vine (Ipomoea Quamoclit)**—A very graceful annual climber, with feathery foliage and beautiful, star-like flowers. **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. **Pkt., 5c., 10c. and 20c.**

**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. **Pkt., 10 and 25c.**

**Shasta Daisy**—Very large; white single flowers on long stems. **Pkt., 10c. and 15c.**

**Dianthus (p), China Pink**—One of the most popular flowers in cultivation; blooms profusely. Great variety of colors. Extra choice. Single mixed, crimson, rose and double mixed.



**China Pinks**

**Castor Bean**—See Ricinus.

**Celosia Cristata (a)** (Crested Cockscomb)—Very desirable annuals of easy culture, large comb-like heads, excellent border plants, very good for pots. Mixed. **Pkt., 5c.; oz., \$1.00.**

**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. **Pkt., 5c.; oz., 60c.**



**Cosmos**

**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 flower-spike is cut back promptly it will branch and flower all through Fall. **Formosum**: Blue, white centre. **Chinese Album**: White. **Chinese Azurum**: Blue. **Kelway's Giant**: Mixed. **Packet**, 10c.; 3 for 25c.; oz., \$1.



**Delphinium, or Larkspur (Hardy)**

**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.

**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. **Pkt.**, 5c. and 25c.; oz., \$1.00.

**Dolichos** (a) (Hyacinth Bean, or Texas Climber)—Showy climber, making rapid growth. White, purple and mixed. **Pkt.**, 5c.; oz., 20c.

**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. **Pkt.**, 5c.; oz., 40c.

**Euphorbia** (a) — Plants with ornamental foliage, very showy and easily raised from seed. Known as "Snow on the Mountain." **Pkt.**, 5c.; oz., 60c.

**Forget-Me-Not**—See Myosotis.

**Four O'Clock**—See Marvel of Peru.

**Foxglove**—See Digitalis.

**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. **Pkt.**, 5c. and 10c.; oz., 90c.



Gaillardia



Mixed Gourds

**Ornamental Grass, Pennisetum Macrourum** (P) —This is very interesting and useful, either for growing in clumps, mixed borders or in shrubberies. Also when dried it is fine for winter bouquets and decorations, for which purpose it should be gathered before fully matured.

**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. **Pkt.**, 5c.; oz., 50c.

**Gypsophila** (P) —Paniculataalba, white. **Pkt.**, 10c.; oz., 75c.

**Helianthus**—See Sunflower.

**Heliothrope** (a)—A well known and highly prized plant on account of the delightful fragrance of the flower. Excellent for pots or beds. **Pkt.**, 5c. and 25c.



Strawflower

**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. **Pkt.**, 5c.; oz., 80c.

**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.

**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 feet.

**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. **Chater's Improved Double Hollyhock** in separate colors: pink, white, salmon, maroon, yellow and mixed colors; also single choice colors mixed. **Pkt.**, 5c.; oz., \$1.25.

**Humulus** (a) (Japanese Hop)—A rapid growing annual climber with luxuriant foliage; excellent for covering trellises and verandas. **Pkt.**, 5c.; oz., 50c.

**Hunnemannia** (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.

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

**Kochia** (a) (Summer Cypress, or Mexican Fire Bush)—An easily grown 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. **Pkt.**, 5c.; oz., 40c.



Kochia

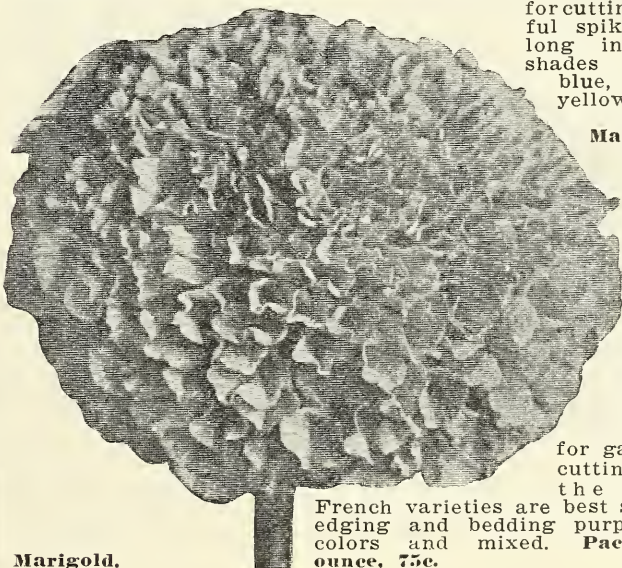
year after year; fine for arbors, verandas, etc. **Pkt.**, 10c.

**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. **Pkt.**, 5c.; oz., 50c.

**Larkspur**—See page 28.

**Lathyrus Latifolius** (Perennial Sweet Pea)—Showy hardy climber, fine for covering walls and stumps. Free flowering. Mixed colors. **Pkt.**, 5c.; oz., 60c.

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



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. **Packet**, 5c.; ounce, 75c.

Marigold.

**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. **Pkt., 5c.; oz., 75c.**

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

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

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

**Marvel of Peru** (a) (Four O'Clock)—Bushy plants of easy culture, producing hundreds of flowers during the entire Summer; very showy; 2 feet. **Pkt., 5c.; oz., 30c.**



**Mignonette**

fragrant flowers. **Pkt., 5c.; oz., 75c.**

**Morning Glory** (a)—One of the most popular annual climbers, rapid grower. **Pkt., 5c.; oz., 20c.** All colors mixed.

**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. **Pkt., 10c.; oz., 75c.**

**Ruffled and Frilled**—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. **Pkt., 10c.; oz., 50c.**

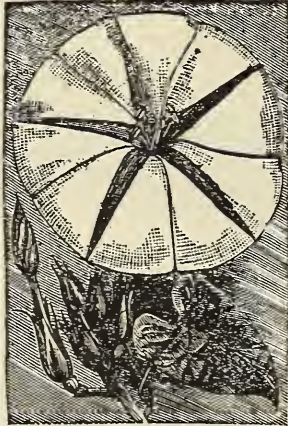
**Moschatus** (Musk Plant)—Fine for hanging baskets; yellow flowers, fragrant foliage; 6 inches. Mammoth flowering.

**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. Golden Machett and M.-S. Extra Fine. **Pkt., 5c. Golden Machett, pkt., 5c.; oz., 50c.**

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

**Momordica**—See Balsam Apple.

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



**Moonflower**

**Giant Japanese Morning Glories**—The robust vines attain a height of from 30 to 50 feet. The foliage is luxuriant, distinct and varied, green, silvery and yellow leaves; many are mottled light and dark green, white and gray. But the surpassing charm of these "Giant Japanese Morning Glories" lies in the entrancing beauty and large size of the flowers; they measure from 3 to 4 inches across. The colors of the flowers, shadings and markings are limitless. Some flowers are of deep, rich, velvety colors, others daintly tinted and shaded. There are reds from soft rose to crimson and garnet; daintiest blue to purple; snow-white to silver-gray. Some are striped, blotched and spotted; others have magnificent edges and throats. Mixed colors. **Pkt., 10c.; oz., 50c.**

**Morning Bride**—See Scabiosa.

**Myosotis** (a) (Forget-Me-Nots)—Beautiful, half hardy perennials, blooming the first year.

**Nasturtium**—See below.



**Morning Glory.**

**Nicotiana** (a) — Splendid pure white, Bouvardia-like flowers on long terminal tubes. It is so fragrant that a small bed will perfume the surrounding atmosphere.

**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.

**Passion Flower** (p) (Southern Beauty)—Climber mixed. Called "Passion Flower" on account of a resemblance in the flower to the appearance presented at Calvary.



**Passion Flower Vine**

## 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 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 NASTURTIIUMS

**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.

**Chameleon**—Produces various colors and markings on the same plant.

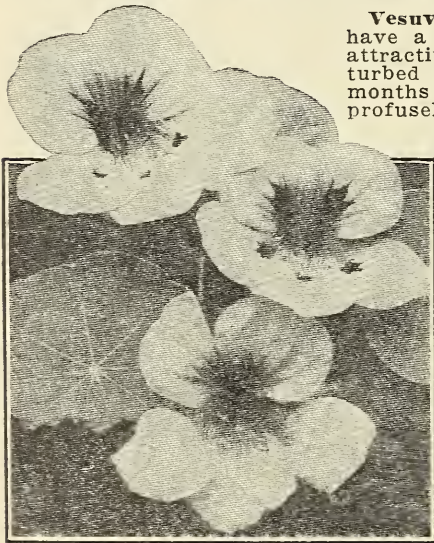
**Empress of India**—Dark-leaved, velvety dark scarlet flowers; select flowers.

**Ladybird**—Rich yellow, scarlet-spotted flowers, dark-leaved; splendid.

**Queen of Tom Thumbs**—Variegated foliage; choicest mixture.

**Golden Queen**—Yellow-leaved, with golden yellow flowers.

Prices on all the varieties as follows: **Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.**



Our Nasturtiums are noted for their size, variety and brilliancy.



**M. & S. Fancy Giant Flowering Mixed Dwarf**—**Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

**M. & S. Tall or Climbing Nasturtiums**—For covering trellises, fences, arbors, piazzas, or trailing from vases, urns, etc. Bloom from early Summer until frost. **Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.**

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 index for price).

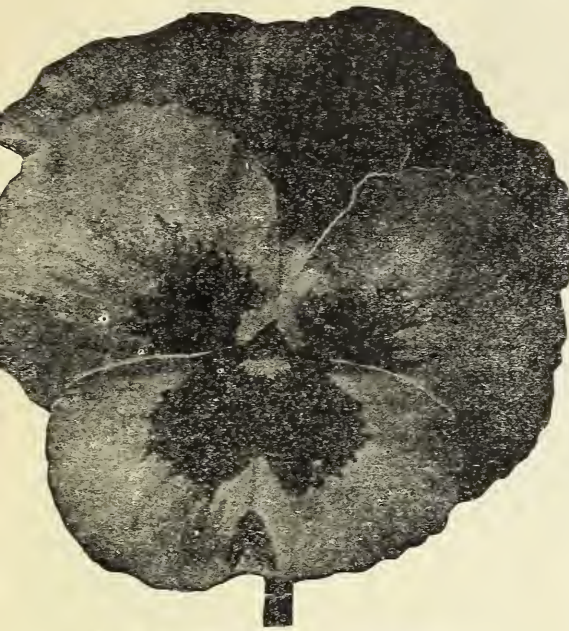
Do not hesitate to call on us or phone us for any information pertaining to raising of Vegetables, or Flower, Grass and Field Seeds.



# M. & S. PERFECT PANSIES

## 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.



M. & S. Triumph of the Giant Pansy

Spring. Pansies thrive best in moist, semi-shady situations.

**Triumph of the Giant Pansy**—Immense flowers of great brilliancy and richness of coloring, including many new and rare shades. Pkt., 25c.; 5 pkts., \$1.00; oz., \$10.00.

**Masterpiece (Frilled Pansy)**—Flowers beautifully curled or waved. Exquisite colors. Pkt., 25c.; 5 pkts., \$1.00.

**Very Fine Mixed Pansy**—Pkt., 5c.; oz., \$1.50.



M. & S. GIANT EXHIBITION PANSIES

**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. Pkt., 10c.; 3 for 25c.; \$3.00 per oz.

**M. & S. GIANT PANSIES**—In separate colors.

**Lord Beaconsfield**—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: Pkt., 10c.; 3 pkts., 25c.

## POPPIES

ALL FLOWER SEEDS 5 CENTS A PACKAGE 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 constant blossoms are desired, successive sowings should be made every two weeks.

**Oriental Poppies (p)**—Enormous flowers of deep, flashing scarlet, entirely hardy anywhere; 3 feet.

**"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.

**American Flag (a)**—Beautiful variety; flowers very large and double, snow white, bordered with scarlet.

**Double Flowered Mixed Poppies (a)**—Immense double flowers, resembling a Peony; two feet.

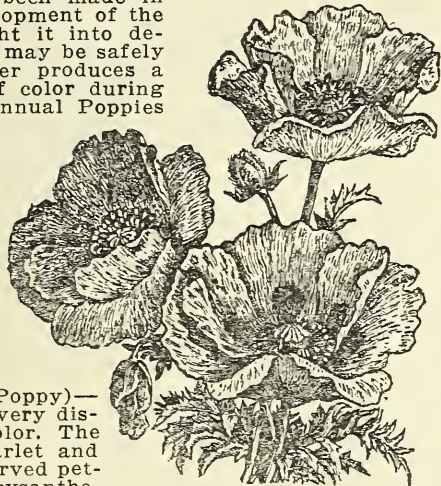
**M. & S. Shirley Poppies (a)**—A bed of these Poppies produces a gorgeous effect in the garden; large flowers with brilliant colors; mixed. oz., 40c.

**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.

**Portulaca (Sun Plant)**—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. Single 75c., oz.; and double \$2.00., oz.

**Primula (a)**—Hardy primroses are among the most prized of our Spring blooming plants, 1 to 1½ feet high; mixed colors. Pkt., 10c.



Oriental Poppies

**Primula Obconica**—Used for greenhouse; very finest mixture. Pkt., 30c. and 60c.

**Primula Chinensis (Chinese Primrose)**—Very finest mixture. Pkt., 30c. and 60c.

**Pyrethrum (p)**—Handsome hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting.

**Rhodanthe (a)**—Very beautiful; delicate looking; everlasting. Much prized for Winter bouquets. Red and white and both colors mixed.

Do not forget to include in your order a bag of our high grade sheep manure, which will cover as much ground as a cart load of manure.

## PETUNIA

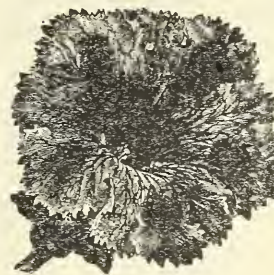
**M. & S. PETUNIA MAMMOTH (a)**—The Petunia is without a peer among annuals for effective Summer bedding or indoor culture. It is of easy culture, early to blossom and continues throughout the Summer until the first killing frost. No other flower produces a greater diversity of color, retaining its freshness for so long a period. **Snowball**, pure white. **Rosy morn**, pink, and all colors mixed. Pkt., 5c. and 25c., oz.; \$1.50 each.

**Howard's Star Petunia**—A beautiful variety; produces a profusion of crimson-maroon flowers, each having a distinctive five-pointed white star. Single. Pkt., 5c. and 25c., oz. \$3.50.

**Phlox Drumondi (a)**—One of our finest hardy annuals, on account of its long season in bloom. Easily grown from seed; makes a brilliant display as a Summer bedding plant. In all bright colors, or all colors mixed. Pkt., 5c., and 25c.; oz., \$1.50.

**Hardy Phlox (p)**—For a gorgeous show these are the most satisfactory of all perennial plants, 2 feet high, in all bright colors; seeds sown late in Fall will germinate in the Spring; mixed and white, pink, lavender and scarlet. Pkt., 10c.; 3 for 25c.; oz., \$2.00.

We count among our valued customers many of the leading Clubs, State, Protestant, Catholic and Hebrew Institutions, Schools, Hospitals, Sanitoriums, Florists, Farmers and Private Gardeners.



Petunia



Phlox Drumondi

### RICINUS (a) (Castor Oil Bean)

One of our best ornament-leaved annual plants, largely used for the centre beds, being splendidly effective grouped with Cannas, Caladiums and other tall plants.

**Zanibariensis**—A new and distinct class, surpassing in size and beauty all varieties hitherto known. Plants attain great dimensions—12 to 14 feet. Leaves vary in color from light green to purplish-red. **Pkt., 5c.; oz., 25c.**

**Borboniensis**—Very large and most showy green foliage; standard variety; 10 to 15 feet. **Pkt., 5c.; oz., 25c.**

**Philippinensis**—A variety from the Philippines, with beautiful and gigantic purple leaves; 10 feet. **Pkt., 5c.; oz., 25c.**

**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. **Pkt., 5c.; oz., 20c.**

### SALVIA (a) (Scarlet Sage)

**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. **Pkt., 5c. and 10c.; oz., \$2.00.**

**Salvia Bonfire**—Compact bushy plants; two feet high; producing innumerable erect spikes of the most brilliant scarlet flowers. Height, 2½ to 3 feet. **Pkt., 5c.; ¼ oz., 75c.**

**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. **Pkt., 10c.; ½ oz., 75c.**

**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.

**Scabiosa (a) (Sweet Scabiosa, Mourning Bride, Pin-Cushion Flower, Egyptian Rose, etc.)**—Beautiful colored flowers, 2½ feet high; fine for cut flowers.

**Scarlet Runner (a)**—Ornamental and useful climbing beans. **Pkt., 5c.; oz., 10c.**

**Sensitive Plant (a) (Mimosa)**—A curious and interesting half-hardy annual, with pinkish flowers, leaves close when touched; 1½ feet high.

**Smilax**—A well-known greenhouse climber, with small; dark-green foliage; of great value in floral work. **Pkt., 10c.; oz., 60c.**

**Snapdragon**—See Antirrhinum.

**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. **Pkt., 10c. each.**

**Stokesia (p) (Cornflower Aster)**—Blossoms all Summer. Large attractive flowers, resembling asters; fine for cut flowers; two feet high.

**Strawflower**—See Helichrysm.

**SUNFLOWER (a)**  
(The Unique Red Sunflower)  
—Of recent introduction. The plants reach a height of from five to eight feet and throw out many branches. The flowers are very numerous, of good form, usually having large long rays and small discs. The heads vary greatly in size—some are only two or three inches across, while others are a foot or more. The color diversifies greatly, some plants produce flowers of a 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 yellows. The plants likely to produce yellow flowers have no purple in stem or leaf and can be destroyed when seedlings. **Pkt., 10c.; oz., 50c.**

**Sweet Peas**—See Page 31



The Unique Red Sunflower

**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. **Each, 5c. pkt.; oz., 75c.**

**Sweet Sultan (a) (Centaurea Moschatus)**—Hardy annual; flowers resemble "Bachelor's Buttons," fragrant flower on long stems.

**Sunflower (a) (Large Russian)**—Six to eight feet high; immense flowers. **Oz., 10c.**

**Thunbergia (a) (Black-Eyed Susan)**—Beautiful. Very ornamental climber.

**Verbena (a)**—An excellent annual for beds and massing, and 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, Striped, Light Blue and all colors mixed.



Verbena

**Vinea (p) Madagascan Periwinkle**—Dwarf bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

**Violet (p)**—Deservedly much in demand because of their profusion of bloom and delicate odor. **Pkt., 10c.**

### WALLFLOWER (p)

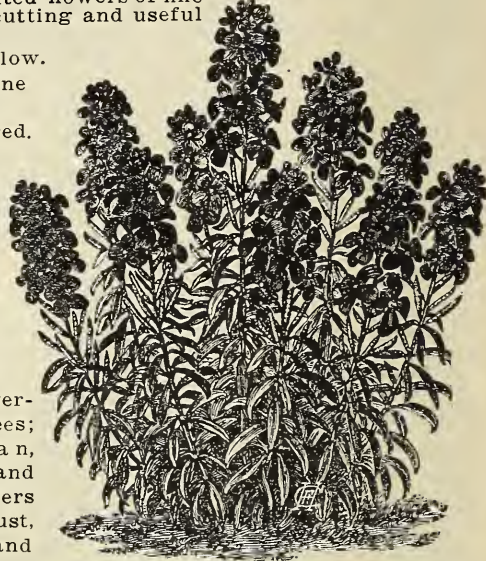
Favorite sweet-scented flowers of fine colors. Splendid for cutting and useful as Spring bedders.

**Cloth of Gold—Yellow.**

**Early Feltham—Fine brown, dwarf.**

**Vulcan—Dark blood red.**

All colors mixed.



Wallflower

**Wild Flower Garden (a)**—Fine mixture of old favorites. **Pkt., 5c.; oz., 15c.**

**Wild Cucumber Vine (a)**—One of the quickest growing annual vines we know of; splendid for covering trellises, old trees; fences, etc. Clean, bright green foliage and sprays of white flowers during July and August, also known as Pants and Petticoat.

### CHINESE WOOL-FLOWER

This was introduced from China some years ago and has proved a great success everywhere. There is not the slightest doubt but that it is the most magnificent garden annual. Its ease of culture and long continued season of bloom (early in July until frost), together with its massive bunches of wool-like flowers and glowing color combine to make it the showiest as well as the most odd and novel garden flower.

Plants grow two to three feet high, the blooms starting early with a central globular head which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost, but all continue to expand and glow with a deepening richness of color, a deep crimson-scarlet. **Seed: 10c. per pkt.; 3 pkts. for 25c.**

# M. & S. SPENCER OR ORCHID SWEET PEAS

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.

Nora Unwin, White. Wedgwood, Blue. Primrose Spencer, Pink. Hercules Giant, Pure Pink. King Edward, Pure Red. Margaret Atlee, Rosy Buff. Apple Blossom, Rose, wings white. Blue Picotee, White Blue Edge. Masterpiece, Lavender. Othello Spencer, Deep Maroon. Price on all the above. Pkt., 10c.; oz., 25c.; ¼ lb., 75c.; 1 lb., \$2.75.

M. & S. SUPERB SPENCER MIXTURE—A mixture that cannot be surpassed. Pkt., 10c.; oz., 20c.; ¼ lb., 60c.; 1 lb., \$2.25.

## 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 a gorgeous color effect. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; ½ lb., 40c.; 1 lb., 75c.

## M. & S. WINTER FLOWERING ORCHID SWEET PEAS

### FOR FORCING INDOORS

This seed has been grown from originator's stock and can be depended upon for excellent results.

Mrs. A. A. Skach—Beautiful clear, light pink. Pkt., 10c.; ½ oz., 40c.; 1 oz., 75c.; ¼ lb., \$2.50; 1 lb., \$8.00.

Yarrava—The most popular pink. Prices same as above.

Mrs. Wm. Sim. Orchid—The finest salmon pink. Prices same as above.

Asta Ohn—Lavender. Prices same.

White Orchid—Large pure white. Prices same.

Red Orchid—Large crimson red. Pkt., 10c.; ½ oz., 60c.; 1 oz., \$1.00; ¼ lb., \$3.00; 1 lb., \$10.00.

Blue Orchid—Extra good, clear blue, large. Pkt., 25c.; ½ oz., 90c.; 1 oz., \$1.50; ¼ lb., \$5.00.

Pink and White Orchid—Very fine. Pkt., 10c.; ½ oz., 40c.; 1 oz., 75c.; ¼ lb., \$2.50; 1 lb., \$8.00.



Spencer, or Orchid Flowering Sweet Peas

M. & S. STANDARD INOCULATING BACTERIA—SPECIALLY PREPARED FOR SWEET PEAS—GARDEN SIZE. 50c.

M. & S Dwarf Zinnia



ZINNIA (a) (Youth and Old Age)—One of the most brilliant and showy of annuals, and has long been a general favorite. They come in flower early in the summer, and keep on blooming until frost. Require little attention and succeed almost anywhere. For perfection of blossom start the seeds in March, and prick out once or twice before transferring to the open border in May or June. Provide the plants with plenty of room, at least 18 inches apart each way, and they soon completely cover the ground. M. & S. Dwarf—Double; in four different colors; white, pink, scarlet, yellow, and all colors mixed. Each, 5c. pkt.; oz., 50c.

Curled and Crested—A new distinctive variety. Pkt., 10c.

Tall Double Giants—In four different colors; white, pink, crimson, yellow and all colors mixed. Pkt., 5c.; oz., 75c.

MADERIA, OR MEXICAN VINE (Hardy)—The tubers, if planted deep and protected during the Winter, are hardy. The leaf is very deep green, and grows very dense; the flower is small, white in color and fragrant. This very rapid-growing vine should be planted wherever a dense, quick shade is desired. Roots, 5c. each; 50c. doz. Parcel post weight, 1 doz. 1 lb.

## M. & S. DAHLIA-FLOWERING ZINNIA

We are introducing to our patrons a distinct new type of Zinnia. Very exquisite in shape and color. We feel positive that this Dahlia flowering type, will be the commencement of a new era in the Zinnia World. Pkt., 10c., 25c. and 50c.

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., 25c. and 50c.



Do not forget to order that Bag of Sheep Manure and be assured of success in your flower garden.

# M. & S. SUPERFINE GLADIOLUS

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.

## M. & S. NAMED GLADIOLUS

Our bulbs are 1½-inch and up.

**America**—A beautiful flesh pink, tinged with lavender. A variety of robust growth and easy cultivation. The flowers are very large and expanded, many being open at one time. 6c. each; 60c. doz.; 100, \$4.00.

**Schwaben**—A most meritorious imported variety of wonderful vigor, with strong erect spikes and large well-expanded flowers of a clear canary yellow with a small blotch of deep garnet in the throat. 10c. each; \$1.00 per doz.; \$7.50 per 100.

**Niagara**—An entire new color in Gladiolus, to describe it intelligently one must imagine a shade of rich cream combined with canary yellow. The form and habit of this variety is exactly like America, except that the spike grows taller. The individual flowers are very large and borne in pairs opposite each other. 7c. each; doz., 80c.; \$6.00 per 100.

**Mrs. Francis King**—One of the best and most popular sorts, which comes in for much admiration, both for size of flower and beauty. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 being open at one time. Many of the bulbs produce two and three flower-spikes; a gem among Gladiolus. 6c. each; doz., 60c.; \$4.00 per 100.

**M. & S. Blue Hybrids**—A fine mixture of dark blues, including Baron Joseph Hulot and most all recent Blue introductions. 7c. each; 80c., doz.; \$6.00 per 100.

**Princes**—Amaryllis-shaped, gigantic flowers of a dazzling bright scarlet, marked with white on the lower petals. Two to three flowers open at one time. 10c. each; doz., 80c.; 100, \$6.00.

**Halley**—Delicate flesh rose, with white blotch, very lovely. 6c. each; 60c. doz.; \$4.00 per 100.

**Panama**—A grand new seedling of America which it resembles, but is of deeper pink; flowers very large and spike long. 10c. each; \$2.00 doz.; \$7.50 per 100.

**Chicago White**—Pure white, lavender markings. 7c. each; 75c. doz.; \$5.00 per 100.

**Augusta**—Beautiful ivory-white, faintly-tinted rose without markings; large flower with frilled edges. 7c. each; 75c. doz.; \$5.00 per 100.

**M. & S. Choice Mixed Gladiolus**, composed of all named varieties in gorgeous blending. 5c. each; 50c. doz.; \$3.00 per 100.



Gladiolus "America"



M. & S. Choice Mixed Gladiolus

## M. & S. SUPERFINE CANNA BULBS

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.

**Rosea Gigantea**—A wonderful novelty, the largest of pink cannas in existence, colored a rich rose pink, foliage green. 4 ft. 10c. each; \$1.00 doz.; \$8.00 per 100.

**Gladiator**—One of the finest bedders, color deep yellow freely dotted with red; 4½ feet; green foliage. 7c. each; 70c. doz.; \$5.00 per 100.

**Gustav Gumper**—This is an ideal, rich yellow bedding Canna; the flowers of a good size, are held well above the foliage. The



color is a rich golden yellow; a shade that can be seen as far as the eye can carry. 7c. each; 70c. doz.; \$5.00 per 100.

**Maros**—The best white flowering Canna. Its flowers of creamy white are produced very freely on stems thrown well above the foliage. 7c. each; 70c. doz.; \$5.00 per 100.

**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 centre, edged with a dwarf yellow Canna, or vice versa, placing it around a centre of a tall yellow variety. 8c. each; 85c. per doz.; \$6.25 per 100.

**J. D. Eisele**—Brilliant vermilion scarlet. 3½ feet. 7c. each; 70c. doz.; \$5.00 per 100.

**Jean Tissot**—Brilliant vermilion, orange shading. 3½ feet. 7c. each; 70c. doz.; \$5.00 per 100.

**Uncle Sam**—Clear, deep orange flowers, borne in large clusters; often a foot across each, branching stems, about 4 feet; strong vigorous grower. 10c. each; \$1.00 doz.; \$7.50 per 100.

**Louisiana**—Large orchid flowering, beautiful orange scarlet; 5 feet; green foliage. 10c. each; \$1.00 doz.; \$7.50 per 100.

**Queen Charlotte**—Makes a gorgeous display when planted in masses; color a wide band of yellow, bordering a centre of scarlet; 3 feet high; green foliage. 7c. each; 70c. doz.; \$5.00 per 100.

**Florence Vaughan**—Grows 5 feet high green foliage, rich golden yellow, dotted red. 7c. each; 70c. doz.; \$5.00 per 100.

**Venus**—Rose Pink with mottled border of creamy white. 7c. each; 70c. doz.; \$5.00 per 100.

**Wyoming**—Bronzy-purple foliage with immense spikes of massive orange flowers; 7 feet. 7c. each; 70c. doz.; \$5.00 per 100.



King Humbert Canna

doz.; postage extra. 5c. per plant. Dozen lots, 25c.



THE NEW DAHLIA PATRICK O'MARA

## HARDY JAPANESE GARDEN LILIES

All Postpaid



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 (Goldbanded Lily)**—Large, graceful flowers, composed of six petals of a delicate ivory-white, thickly studded with chocolate-crimson spots and striped through the centre by a golden yellow. 30c. each; \$3.00 per doz.

**Speciosum Album**—Large white flowers of great substance, with a greenish band running through the centre of each petal. 30c. each; \$3.00 per doz.

**Speciosum Rubrum, or Roseum**—White, heavily spotted with rich, rosy-crimson spots. 30c. each; \$3.00 doz.

**Speciosum Magnificum**—Rich, deep red. 30c. each; \$3.00 doz.

## THE NEW DAHLIA

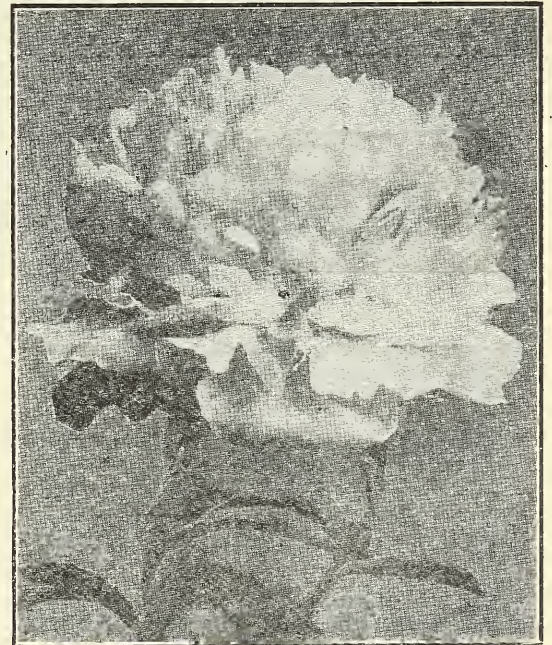
## PATRICK O'MARA

**PATRICK O'MARA**—The sensation of the New York show of the American Dahlia Society in 1920 where it was awarded the following:—American Dahlia Society, Gold Medal; Society of American Florists, Silver Medal; Toronto Horticulture Society Bronze Medal; Received the highest score at the trial grounds of the American Dahlia Society at the Connecticut Agriculture College in 1920 under ordinary field culture. During the trying season of 1921 it maintained its reputation in every way, giving almost universal satisfaction all over the country and a prize winner wherever exhibited. The flowers can be grown to enormous size by special care under ordinary field culture, they are about five to six inches in diameter, produced on long stems, which holds the flower erect. The color is an unusually soft and pleasing shade of orange buff, slightly tinged with neyron rose, a rare autumn shade that is greatly in demand. It is a splendid shipping and long keeping Dahlia. We feel safe in saying there is none better for commercial use or more pleasing for the garden. Price of tubers or plants \$3.00 each; \$30.00 doz. postpaid.

## M. &amp; S. CHOICE PAEONIES

Double Paeonies are too well known to require description. Their present popularity is due to the great improvement in them in recent years, their easy culture, the handsome appearance of the plant, and the brilliant and striking effect of their massive, finely formed and richly colored flowers.

Parcel Post weight, 1 pound each.



M. and S. Choice Paeonies

The attention given to them, in Europe and America, has resulted in the production of many notably fine new varieties. Among hardy, herbaceous perennials, the Chinese Paeonies rank about first for lawn or flower-border, or shrubbery decoration. They are all hardy.

**Duchess de Memours**—Pure white, profuse bloomer. 30c. each; \$3.00 doz.

**Jeanne d'Arc**—Fine rose, centre creamy white and sulphur. 30c. each; \$3.00 doz.

**Rosea**—Beautiful pink. 30c. each; \$3.00 doz.

**Rubra**—Bright red. 30c. each; \$3.00 doz.

Extra large clumps of any of the above, 50c. each; \$5.00 doz.

# M. & S. SUPERB DAHLIAS

If to be sent by parcel post add 10% to the purchase Price

## CLASSIFICATIONS OF DAHLIAS

**Class 1.—Cactus**—This class embraces the long, narrow-petaled varieties, the petals of which are generally pointed or twisted.

**Class 2. Decorative**—This class is an intermediate form having broad, flat petals.

**Class 4. Peony Flowered**—A semi-double of the decorative form.

**Class 5. Pompon**—This class embraces the small, round Dahlias.

**Class 6. Show**—The name Show applies to those varieties producing large, well-formed flowers, showing only solid colors, but may frequently have shaded tips.

**Class 7. Single**—Too well known to require a description.

**Class 8. Collerettes**—Single flowers with another layer of petals on the stamen.



No Garden is Complete without these Great Favorites.

**Alba SuPerba** (Single)—Pure white. 15c. each; \$1.50 doz.

**A. D. Livonia** (Show)—Rich sea shell pink. 15c. each; \$1.50 doz.

**Arabella** (Show)—Pale primrose, tipped old rose and lavender. 15c. each; \$1.50 doz.

**Big Chief** (Century)—Brilliant cherry red, margined rich velvety maroon. 20c. each; \$2.00 doz.

**Annie Doppenberg** (Peony)—A beautiful, bright yellow flower, with a white reflex good size holding heads erect on long, stiff stems very free flowering 25c. each; \$2.50 doz.

**Bon Ton** (Show)—Deep, rich garnet. 20c. each; \$2.00 doz.

**Corry** (Decorative)—An indescribable combination of deep pink and pinkish lavender, large flowers free bloomer. 25c. each; \$2.50 doz.

**Daybreak** (Pompon)—Daybreak pink. 15c. each; \$1.50 doz.

**Delice** (Decorative)—Beautiful glowing rose pink. 20c. each; \$2.00 doz.

**E. Chevalier** (Decorative) White base bordered purple, very distinct. 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.

**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.

**Electric** (Show)—Soft magenta rose. 20c. each; \$2.00 doz.

**Frank L. Bassett** (Decorative)—Bright rose purple. 20c. each; \$2.00 doz.

**Fire Rain** (Decorative)—Rich cardinal purple. 20c. each; \$2.00 doz.

**Little May** (Pompon)—Bright lemon yellow. 15c. each; \$1.50 doz.

**Germania** (Peony)—Dazzling crimson. 20c. each; \$2.00 doz.

**John Walker** (Show)—Pure white. 20c. each; \$2.00 doz.

**Little Herman** (Pompon)—Deep red topped white. 15c. each; \$1.50 doz.

**Hampton Court** (Peony)—One of the best yet introduced. Bright mauve pink. 30c. each; \$3.00 doz.

**Henry Patrick** (Decorative)—Large pure white. 20c. each; \$2.00 doz.

**Hortulanus Witte** (Decorative)—Very large, long stemmed, free flowering, pure white. 30c. each; \$3.00 doz.

**Lyndhurst** (Decorative)—Intense rich, vivid scarlet. 15c. each; \$1.50 doz.

**Miss Minnie McCullough** (Decorative)—Soft yellow, overlaid with bronze very popular. 15c. each; \$1.50 doz.

**Meteor** (Decorative)—Red nose and mottled buttercup yellow, very free yielder of medium size flowers on good long stiff stems. 20c. each; \$2.00 doz.

**John Stisser** (Peony)—See page 34.

**Magnificent** (Show)—The most perfectly quilled dahlia grown, soft lemon yellow. 20c. each; \$2.75 doz.

**Masterpiece** (Peony)—A gigantic flower of rich clear tango, borne on stems 20 inches long, blooms freely all season. 25c. each; \$2.75 doz.

**Mrs. F. Gromsted** (Cactus)—Deep rich crimson. 25c. each; \$2.75 doz.

**Queen Mary** (Decorative)—Fine rose pink. 15c. each; \$1.50 doz. free bloomer, long stems.

**Ottilia Meyer** (Peony)—See page 34.

**Planet** (Cactus)—Rose pink, variegated with maroon. 30c. each; \$3.00 doz.

**Princess Mary** (Decorative)—Mauve rose, exquisite. 35c. each; \$3.50 doz.

**Rembrandt** (Peony)—Anemone center; one of the most distinct and refined varieties of recent introduction, color yellow, spotted light pink. One of the finest. 35c. each; \$3.50 doz.

**Rene Cayeaux** (Cactus)—Rich geranium red. 20c. each; \$2.00 doz.

**Rosalia** (Pompon)—Yellow edged crimson. 15c. each \$1.50 doz.

**Rose Pink Century**—Clear rose pink. 20c. each; \$2.00 doz.

**Ruby Queen** (Show)—Clear ruby red. 20c. each; \$2.00 doz.

**Souv. Mme. A. Moreau** (Show)—Deep rose pink (new). 25c. each; \$2.75 doz.

**Standard Bearer** (Cactus)—Rich, fiery red. 20c. each; \$2.00 doz.

**Sylvia** (Decorative)—Rich pink, white center. 15c. each; \$1.50 doz.

**Sweet Briar** (Cactus)—A superb variety of an exquisite shade of pink, very free blooming, on good stiff stems. 25c. each; \$2.75 doz.

**Souv. de Masdijk** (Peony)—An ideal Dahlia. Its large slight salmon orange flowers are borne on long stems which hold the flowers free above the foliage. Excellent for both cutting and garden decoration, a free bloomer. \$1.00 each; \$10.00 doz.

**Tricolor** (Decorative)—Buttercup yellow with a splotch of yellow on each petal. 20c. each; \$2.00 doz.

**Virginia Maule** (Decorative)—Delicate tint of shell pink. 15c. each; \$1.50 doz.

**Yellow Livonia** (Show)—Soft lemon yellow. 15c. each; \$1.50 doz.

**Zebra** (Show)—Pearl white, edged pink. 20c. each; \$2.00 doz.

## 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 put up in a telescope box and is sent through Parcel Post to any part of the United States for \$1.00.

# M. & S. "GIANT FLOWERING" DAHLIAS

If to be sent by parcel post, add 10 per cent to the purchase price. The native home of the Dahlia is Central America and Southern Mexico. Its earliest known history dates back to 1657, and at this date was called Acocoti by the Aztec Indians. Later its name was changed to Georgina, after Prof. Georgi, of St. Petersburg, which name is still used in some of the German catalogs. Again the name was changed to DAHLIA, after Mr. Dahl, a Swedish botanist. The Dahlia in its native state is single. The first double forms appeared in 1814 and are credited to Mr. Donkelaar. The first double forms were the types now known as SHOW and FANCY. The POMPOM form appeared in 1858 to 1860. Next came the DECORATIVE form, but its origin is not clearly defined, but probably dates back some forty years. The first CACTUS Dahlia originated in 1872, but was not placed on the market until 1880. It was named Juarez after President Juarez of Mexico. This is the popular type of the present day and there are some two hundred named varieties of the Cactus Dahlias today that have descended from the original Juarez. The PEONY FLOWERED type is of quite recent origin, dating back but a few years and is becoming very popular.

Spade or plow the ground to a depth of about 10 inches. As a fertilizer, use either well-rotted stable manure, or better still, sheep manure, 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 implication of sheep manure about every two weeks will be of great benefit.

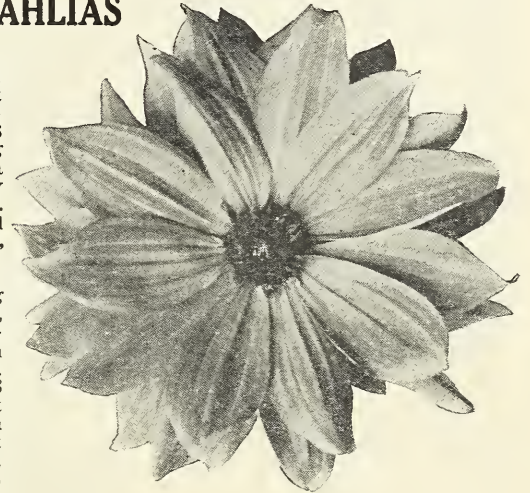
Never leave more than one shoot to a plant. You will have better plants and larger flowers if you will allow only one main shoot to a plant.

## TWO NEW DISTINCT PEONY DAHLIAS



**OTTILIA MEYER**

**OTTILIA MEYER**—Named after Mr. Meyer's young daughter. A beautiful peony dahlia. The plant is all that could be asked in a sturdy, symmetrical growth, attaining a height of 6 feet. Blooms very freely on strong stems of remarkable length. Color a tinted cream pink. Beautiful by day and simply grand under artificial light. Being a free root maker it is priced remarkably low for its quality. Price, 50c.; \$5.00 doz.



**JOHN STISSER**

**JOHN STISSER**—A new king among this popular type of Peony Dahlias, producing its immense flowers in profusion on long stems. Beyond question one of the grandest flowers of the type. Flowers range in size from 6 to 8 inches in diameter and almost perfect in form. Color clear orange red. In habit the plant is an extra long, robust grower, attaining a height of 6 feet, and carries its large handsome flowers well above the foliage. Price, 50 cents each; \$5.00 doz.

Gentlemen: "My dahlias turned out to be as fine as I have ever seen. Am more than pleased with them." Maurice F. Molder, 102 Oakley Avenue.

Mr. Gustav John, of Catonsville, Md. said, "The collection of dahlias which you sold me last season was wonderful. I certainly had some beauties and am highly pleased with them."

# M. & S. HARDY ROSES

## SPECIAL DIRECTIONS FOR PLANTING AND CARING FOR ROSES

Open a good space in the soil and spread out roots; never cram them into a small hole. Do not let manure come in contact with roots, but place it underneath and a layer of soil on the top. If the rose is a bush plant, set it so deep that only the branches are visible above the ground and never the main stem, but too deep is as bad as too shallow; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded rose, be sure that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent, and remove what might appear to be surplus wood. The stronger growth should be cut back to within six inches above the ground; the weaker growth to 4 inches. All soil above the roots should be well pressed down. Feed your roses with "Ground Bone" and "Pulverized Sheep Manure." Mulch the ground during summer with cow manure or Cocoanut Fibre. As Winter approaches draw soil 6 to 8 inches high around the stem; this avoids winter killing.

Our Roses are not ready for delivery until May 1st. Prices are \$1.00 each; dozen, \$11.00. All two year old plants.



**Radiance**

**A. R. Goodwin**—Coppery red. Very beautiful.

**Alexander Hill Gray**—Creamy white.

**B. R. Cant**—Red, very sweet and an immense bloomer.

**Dutchess of Wellington**—Yellow. Exquisite.

**Double White Killarney**—White. Good bloomer.

**Eduard Herriott**—Coppery tinted orange.

**Francis Scott Key**—Red, very double. One of the best roses.

**Gruss an Teplitz**—Vermilion red. An old favorite.

**Kaiserin Augusta Victoria**—White. Very hardy.

**LaFrance**—Pink. Excellent bloomer.

**My Maryland**—Pink. One of the finest American productions.

**Ophelia**—Yellow, shaded to pinkish yellow. Very beautiful.

**Pink Radiance**—Bright pink. Free bloomer.

**Red Radiance**—Very beautiful.

**Robin Hood**—Red.

**Sunburst**—Yellow to golden orange flowers. Strong grower.

**Wm. R. Smith**—Daybreak pink. Large well formed flowers.

\$1.25 each; doz., \$14.00.

## CLIMBERS

**American Pillar**—Pink, with creamy white center.

**Dorothy Perkins**—Pink. Flowering profusely in large clusters.

**Excelsa**—Cerise. Flowers large and double; great improvement over Crimson Rambler.

**Marie Henrietta**—Red. Sturdy climber, often blooming again in fall.

**Silver Moon**—Single white flowers, Clematis-like. Strong grower.

**Tausendschoen**—Pink, with a gleam of light yellow. Very beautiful.

\$1.50 each; doz., \$16.50

## HYBRID PERPETUALS

**Frau Karl Druschki**—White American Beauty. Superb in every way.

**General Jacqueminot**—Red. An old favorite. \$1.25 each; doz., \$11.00.



**Pink Killarney**—One of the most popular of our garden roses.

### DOUBLE PEARL TUBEROSES

**Culture**—One of the most fragrant and popular of the Summer-flowering bulbs. May be started early in hot-beds 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. 5c. each; 40c. doz., \$3.00 per 100. Parcel Post weight, 1 doz., 2 lbs.

### TUBEROUS ROOTED BEGONIAS

We are pleased to inform our patrons that after several years we are again offering these wonderful flowering bulbs. They will bloom all summer, but must be planted in the shade. We have single varieties in scarlet, yellow, white and rose.

20c. each; \$2.00 doz.; post-paid.



Double Pearl Tuberose

**German Iris (Germanica)**—The popular Flag Iris, which thrives so well in our section.

30c. each; \$3.00 per doz. Postage 5c. each 30c. doz.

**Japanese Iris (Kempferi)**—Very beautiful flowers, very large, which, however, do not last as long as the German Iris.

30c. each; \$3.00 per doz.; postage 5c. each 30c. doz.



Tritoma

### TRITOMA

(Flame Flower, Torch Lily, or Red Hot Poker Plant).

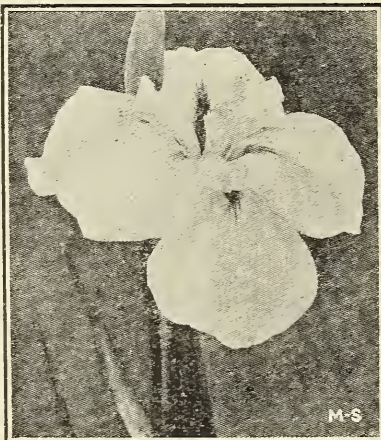
In mid-Summer and Autumn, when other flowers are on the wane, Tritoma looms up and furnishes a wealth of bloom till killing frosts check it. The roots are considered hardy, though we, however, recommend that they be lifted in the Autumn and placed in a box of soil or sand, preferably in the cellar.

**Pfitzeri**—Blooms from August till October; rich orange scarlet.

We are now taking orders for next May delivery for good, strong plants, 50c. each. postage 5c. each.



German Iris



Japanese Iris

### HARDY POMPON CHRYSANTHEMUM

These are now universally popular for outdoor bedding, and, considering their many good qualities, there is no cause for surprise to see them cultivated so extensively. They produce a lavish profusion of blooms, giving color, life and beauty to the garden just at a time when other plants have been destroyed by frost and are looking their worst. Frost does not materially affect the flowering, and it will frequently happen that an armful of flowers can be cut late in November. They are quite hardy if planted in a well-drained position, and, with a slight covering of leaves or litter during the winter, will take care of themselves after once planted.

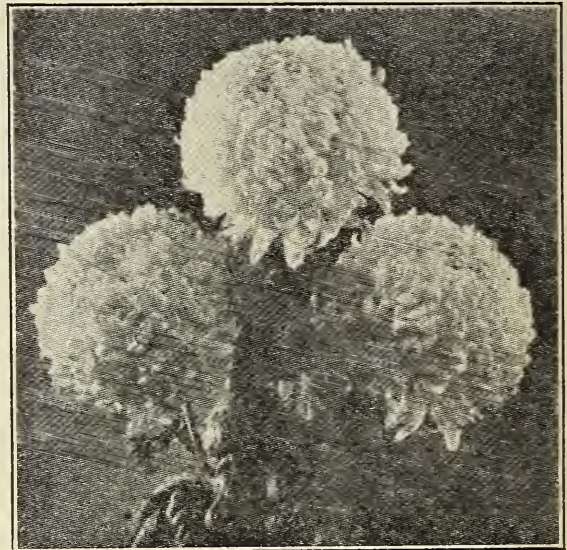
**Pink Diana**—Fine free blooming. **Early Bronze**—Very effective. **Golden Martha**—Profuse bloomers. **Florence Stanton**—Gold, good size. **Garaza**—Single white. **Little George**—Red, true Pompon. **Donald**—Pink, true Pompon. **Alma**—Light pink, true Pompon. **Golden Climax**—Yellow, true Pompon. **Diana**—White, true Pompon. **Ida**—Light yellow, true Pompon. **Waco**—White, good size.

All these above, 30c. each; \$3.00 per doz. Postage extra at 5c. per plant. Dozen lots 25c. extra.

### M. & S. LARGE FLOWERING CHRYSANTHEMUM PLANTS

For Parcel Post, add 5c. a Plant. Dozen Lots 25c. extra.

**Crimson Marie Masse**—A crimson sport. **Ralph Curtis**—Creamy-white sport of M. Masse. **Horace Martin**—Deep-yellow sport of M. Masse. **Mlle. Marie Masse**—Beautiful lilac mauve. **Bobby Burns**—A rosy cerise. **White Quintus**—Pure white. **M. Cassimer Perrier**—White, tinted pink. **Louise Lemaire**—Beautiful golden-yellow. **C. H. Totty**—A glowing chestnut scarlet; flower, stem and foliage are alike enormous. One of the best all-around Chrysanthemums we have ever introduced to the American trade.



**Colonel Appleton**—At one time the most largely grown yellow in cultivation. It is too well known to need description. **Mary Mason**—Gigantic, bronzy-red; one of the handsomest varieties and easiest doers in cultivation.

**Mrs. O. H. Kahn**—A first-class bronze; comes good on almost any bud, but produces the best color from a bud taken August 20th or later. One of the finest varieties in the bronze section.

All of these Early Flowering Varieties have given good results for outdoor culture. Ready for delivery after May 1. Each, 30c.; \$3.00 per doz.

### ESCULENTIUM CALADIUM (Elephant's Ear)

As centre 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 1, but to get them in early growth they may be started indoors.

**Monster Bulbs**, 15c. each; \$1.75 doz. Parcel Post weight, 1 lb. each.

**Mammoth Bulbs**—10c. each; \$1.00 doz. Parcel Post weight, 1/2 lb. each.





# M. & S. HARDY PERENNIAL PLANTS

Our hardy perennial plants are perfectly hardy and thoroughly acclimated, invariably giving real results and flowering the season of planting. Order early and plant as early as possible, or as soon as the frost is permanently out of the ground.

All plants are forwarded latter part of April and during May, and are sent by Express, purchaser paying charges. We can forward small plants or small numbers of plants by Parcel Post, and if wanted sent in this way add 10 per cent. to value of order for postage to points east of the Mississippi River, and 20 per cent. to points west of the Mississippi River.

**ACONITUM** (Monkshood or Helmet Flower)—40c.; doz., \$4.50.  
**AQUILEGIA** (Columbine)—For Spring blooming these are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their attractive foliage, during May and June. For rocky gardens, semi-shaded places, in hardy borders or planted in clumps, they are very effective. 35c. each; \$3.00 for 10.

**ANCHUSA** (Sea Bugloss)—Plants grow 4 feet high in pyramidal shape, branch freely and are loaded with bright blue, Forget-me-not-like flowers in June; very showy and valuable. 30c. each; doz., \$3.00.

**HARDY ASTERS**—Tall-flowering, stately plants, which may be used with splendid effect in borders or in clumps as specimens on lawns, in large groups or beds. They form the basis of a color scheme in a perennial border during the months of September and October even into November.

**CAMPANULA** (Bell Flower)—Showy perennial plants of special merit; some are tall, being suitable for borders; others are dwarf, for rockeries and edging. In every well-ordered hardy garden Campanulas should have a prominent place.

**COREOPSIS** (Lanceolata Grandiflora)—Flowers rich golden yellow and of graceful form; fine for cutting. A few plants make a handsome display.

**CHRYSANTHEMUMS, HARDY**—See page 36.

**DELPHINIUMS, OR HARDY LARKSPURS**—In view of the wonderful display that Larkspurs make, it is worth while to exercise care in locating a most suitable position and in the preparation of the ground, the latter should have a good natural drainage. Never use animal manure in planting Delphiniums, unless it has been incorporated in the soil a year before planting. Pure bone-meal is the best fertilizer in promoting growth; apply with it also some wood ashes.

**DIANTHUS** (Garden Pinks)—These are brilliantly colored flowers, which appear in great numbers on the plant, and have a rich clove scent. For table bowls, as a cut flower, they are much in use.

**DIGITALIS** (Foxglove)—These showy plants are but biennials (that is, live outdoors for two seasons), but can be made perennial by the following treatment: Immediately after blooming remove the flower stalk right down to the ground, also crop some of the large leaves; the result is a number of new plants start from the old crown, which produce splendid flowers the second year. Digitalis will do well in semi-shaded spots; plants grow from 4 to 6 feet high; flower in June.

**FUNKIA** (Plantain Lily; Day Lily)—Japanese perennials producing attractive clumps of foliage and interesting lily-like blossoms.

**GAILLARDIA** (Blanket Flower)—One of the most useful of the hardy flowers when planted in clumps.

**GYPSOPHILA** (Baby's Breath)—During August and September this is a mass of delicate flowers. These may be used as fresh cut flowers, also for a semi-everlasting effect.

**HELIANTHUS** (Hardy Sunflower)—Very effective in borders, among shrubbery or as clumps on the lawn, etc.

**HIBISCUS** (Mallow) **Giant Flowering**—A wonderfully improved form of our greatly admired Marsh Mallows. They are unusually attractive.

**HOLLYHOCK.**

**IRIS GERMANICA** (Fleur de lis)—See page 36.

**LILY OF THE VALLEY**—25c. each; \$2.50 doz.

**LUPINUS** (Lupins).

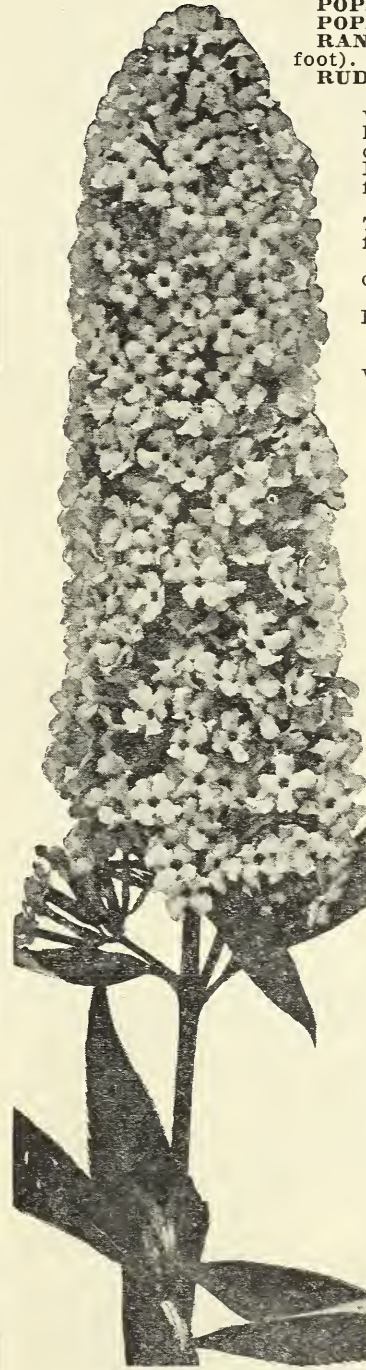
**OENOTHERA** (Evening Primrose).

**HARDY PHLOXES.**

**PYRETHRUM** (Giant Daisy).

**PRICES ON ALL PLANTS (UNLESS SPECIALLY MARKED),**  
 30c. EACH; \$3.00 PER DOZ.  
 Postage or Expressage extra—5c. one plant; 20c. per dozen plants.

**POPPY** (Oriental).  
**POPPY** (Iceland).  
**RANUNCULUS** (Buttercup; Crow-foot).  
**RUBBECKIA** (Cone-Flower).  
**SALVIA** (Sage) — Perennials with strikingly beautiful, orchid-like bloom, that make them welcome in the herbaceous border. Leaves are used in medicine and for the kitchen.  
**SHASTA DAISY, "ALASKA"**—The finest of all single white flowers on long stems; 2 feet.  
**SPIRAEA** (Goat's Beard, Meadow Sweet).  
**SWEET WILLIAM** (Dianthus Barbatus).  
**VALERIANA** (Valerian).  
**VERONICA** (Speedwell; Cancerwort).  
**WATER LILLIES**—Write us for prices.  
**WATER HYACINTHS**—Write us for prices.



## THE EVERBLOOMING BUTTERFLY BUSH

(Buddleia's Variabilis Magnifica)

The name "Butterfly Bush," was applied to it because it attracts butterflies in large numbers. It produces long, graceful stems which terminate in tapering panicles of beautiful lilac-colored flowers that are of miniature size and borne by the hundreds on a flowerhead which is frequently ten inches long. A single plant the first season will throw out as many as 50 flower spikes, which increase greatly in number during succeeding years. The year after planting it generally commences to flower in June and continuing each season until severe frost nips it. This plant is very desirable as an individual specimen in the lawn and garden, or placed promiscuously in the shrubbery border.

### Special Merits:

1. Very hardy.
2. Blooms the first season.
3. Flowers from early summer till frost.
4. Rich, striking color.
5. Splendid for cutting.
6. Will thrive anywhere.

Very free flowering.

Order early, as last year we could not supply sufficient. Price for strong young plants, which will bloom the first season (ready in May), 60c. each; \$6.00 doz.

Flower Head of  
 Butterfly Bush

## BEST BOOKS FOR GARDENER AND PROFESSIONAL

Garden Guide Paper \$1.00 Cloth .....	\$1.50
Milady's House Plants 75c. Cloth .....	1.00
Carnation Culture Cloth .....	1.75
Violet Culture Cloth .....	1.75
Sweet Peas for Profit, Cloth .....	1.75
Rose Culture, Cloth .....	1.75
Plant Culture Cloth .....	3.50
Johnson's Gardener's Dictionary, Cloth .....	6.50
Practical Landscape Gardening, Cloth .....	2.50
Home Fruit Grower, Paper \$1.00, Cloth .....	1.50
Practical Plant Propagation, Cloth .....	2.00
Manual of Floral Designing, Cloth .....	1.50

Gentlemen. All your Lawn Seed, as well as vegetable and flower seed have always given the best of results. Yours truly, Chas. Spielman, General Garden Work. 19 Md. Ave., Westport, Md.

Write for Prices on Larger Quantities.

## NURSERY DEPARTMENT

Sent via Express or Freight Only

### SPRAYING TREES, 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.



### SHADE TREES

- Norway Maples—8-10 ft., \$1.75; 10-12 ft., \$2.50.
- Silver Maples—10-12 ft., \$2.00.
- Catapa Bungell—grafted—6-8 ft., \$3.00.
- Poplar, Carolina—10-12 ft., \$2.00.
- Poplar, Lombardy—8-10 ft., \$1.50.
- Teas Weeping Muiberries—5-6 ft., \$3.00.
- Weeping Willows—5-6 ft., \$1.50.
- Betula Alba, or White Birch—8-10 ft., \$2.00.
- American Lindens—8-10 ft., \$2.00.
- Japanese Maple—Blood Leaf—2-3 ft., \$3.00.
- Cornus Rubra, or Red Dogwood—2-3 ft., \$4.00.
- Cornus Florida, or White Dogwood—3-4 ft., \$2.00.
- Oriental Plane—10-12 ft., \$2.00.
- American Elm—10-12 ft., \$2.00.
- Sycamore—10-12 ft., \$1.75.
- Fulp Tree—8-10 ft., \$1.75.

### HARDY AND DECORATIVE DECIDUOUS SHRUBBERY



- M. & S. Tree Hydrangea
- Golden Elder—75c.
- Jessamine—Yellow, 75c.
- Purple Fringe—75c.
- White Fringe—75c.

### RHODODENDRONS

Rhododendrons will grow on any soil which is suitable for corn, but it must be free of lime. Will do best if protected from afternoon sun.

Best Named Varieties—About 19 to 24 inches high, good bushy plants, set with bloom-buds. \$3.50 and \$5.00 each.

The man who sprays often and consistently will have good results.



M. & S. Rhododendrons

### AZALEAS KAMPFERII

The Most Beautiful and Largest of All Azaleas.

We make a specialty of Hardy Azaleas. The Azaleas are the most beautiful and desirable flowering shrubs in cultivation and a collection should be included in every garden. All Azaleas can be grown in partial shade.

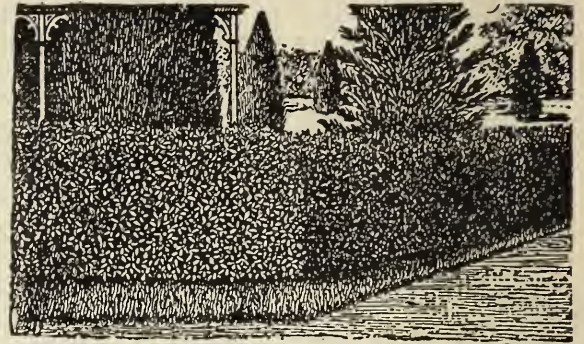
Named Varieties—\$4.00 and up.

Yucca (Adams Needle)—Sword-like foliage, tropic effect. Large, white bell-shaped flowers; a majestic plant. 75c. each.

### HEDGE PLANTS

California Privet is somewhat of an evergreen nature, and looks attractive until real winter sets in. To establish a good

hedge, the proper foundation is necessary. The trench should be thoroughly manured, and receive an additional liberal application of pure bone meal and both worked in with a spade. Plants should be set 12



Hedge of California Privet

inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other; this practically places them 6 inches apart, which is desirable to get a quick dense growth. Plant from October 1st to November 15.

Two years 2 to 3 ft., \$6.00 per 100; \$27.50 per 500; \$50.00 per 1,000.

Berberis Thunbergii (Japanese Barberry)—A good hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Price of Berberis, 1½ to 2 ft., 50c. each; \$5.00 per doz.;

### EVERGREEN SHRUBS AND TREES



Mahonia Aquifolia—Holly-like leaves, very handsome yellow, flowers in May; especially good for shady places; 18 to 24 inches. \$2.50 each.

#### 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, Squorasa Veitchii, Spruce, Norway, Kosters and Colorado Blue, Yew, Drupacea and Fortunis Boxwood. Small trees from \$1.50 to \$2.50. Larger trees, price as to size and variety.

### BOXWOOD

Possibly no other shrub has been so much used for marking the boundaries of formal gardens, to outline flower beds, for low hedges, and for other ornamental purposes.

- Boxwood—Pyramid shaped, 2 to 3 feet. \$5.00 to \$7.50 each.
- Boxwood—Globe shaped, 1 to 1½ feet. \$2.00 each.
- Boxwood—Young and potted stock; fine for edging. 60c. each; \$40.00 per 100.

### HARDY CLIMBING PLANTS

(All Strong Vines)

- Clematis—Large flowering; purple, white or red. 75c. each.
- Clematis Paniculata—Small flowering, white. 75c. each.
- Wisteria—White or purple. 75c. each.
- Trumpet Vine—75c. each. Honeysuckle, 50c. each.
- Ampelopsis Veitchii—Boston or Japan Ivy. 50c. each.

#### ORNAMENTAL GRASSES

- Pampas Grass (Eulalia)—Striped lengthwise. 50c. each.
- Pampas Grass (Zebрина)—Striped crosswise. 50c. each.

#### BEDDING PLANTS, ANNUAL CLIMBERS, ETC.

All kinds. Prices on application. Furnished from April 15 to June 1.

Gentlemen—It gives me great pleasure to say I have been buying my Garden Seeds and Plants from you for seven years, and I have yet to find any that has not given entire satisfaction. You may look for my Spring order for Garden Seeds in due time, and thanking you for your prompt and courteous attention to all orders, I am, ROBERT FORSYTHE, Glyndon, Md.



# 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 culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 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 Special Grade Raw)**—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.; \$1.25 for 25 lbs.; \$3.50 per 100 lbs.; 200 lbs., \$6.50. Ton, \$47.50.

**Bone Meal (Ober's Pure Bone)**—Splendid article for building up worn out soil, lawns, etc. 1 lb., 6c.; 10 lb., 50c.; 25 lbs., \$1.25; 100 lbs., \$3.25; 200 lbs., \$6.00 ton, \$45.00.

**Cocoon Fibre**—Grow your House Bulbs without soil, drainage or saucers. Highly recommended. 1 qt., 10c.; 4 qts., 25c.; pk., 40c.; bu., \$1.25. Postage extra.

**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. 6c. lb.; 10 lb. 50c.; 25 lb., \$1.25; 50 lb., \$2.00; 100 lb. \$3.50.

**Land Plaster**—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; \$3.25 for 200 lbs.

**Lime (Hydrated or Powdered)**—Promotes growth and gives the grass a rich color. Apply one ton per acre on fields, or 1/2 ton on lawns. 5 lbs., 20c.; 10 lbs., 30c.; 50 lbs., \$1.25; 100 lbs., \$2.25. Ton prices on application.

**Obers Starkey Truck Compound 4-8-5**—The highest grade we have to offer, \$45.00 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, \$40.00.

**Ober's Farmers' Standard High Grade All-around, 2-9-2**—For potatoes and general crop. Ton, \$37.50; 167-lb., bag, \$4.00

**Ober's Sol. Amm. Super Phos. of Lime—2-8-2**—Ton, \$36.50 bag \$3.75.

**Ober's Special Tobacco Bed, 10-40**—Ton, \$65.00; 167-lb. bag., \$6.25.

**Ober's Golden Seal Tobacco Guano, 3-8-1**—Ton, \$37.50; 167-lb. bag, \$4.00.

**Ober's Farmers' Mixture Fertilizer, 1-9-2**—To be highly recommended for potatoes and vegetables. 167-lb. bag, \$3.50; ton, \$32.00.

**Ober's Independent, 1-8-1**—A good all-around fertilizer. 167-lb. bag, \$3.00; ton, \$30.00.

**STIMUPLANT**  
Makes a  
WONDER GARDEN

Plant food in tablet form. The most modern and scientific method of fertilizing all house plants as well as gardens, odorless, correctly proportioned, highly concentrated plant food and fertilizer with guaranteed chemical analysis of 11% nitrogen, 12 per cent, phosphoric acid, 15 per cent, potash. Easy to use. Simply insert tablet in soil near base of plant, or dissolve tablet in quart of water. Clean—odorless—dissolves quickly—acts immediately. 10 tablets, 15c.; 30 tablets, 25c.; 100 tablets 75c.; 1000 tablets \$3.50; postpaid. Just what plants need to make them do their best.

**Fleurette**—A Liquid Plant Food. Makes strong and rapid growth. To be diluted with water as per directions. 1/2 pt., 25c.; 1 pt., 40c.; 1 qt., 75c. Not mailable.

**Sterlingworth Plant Food Tablets**—1 tablet to 1 pint water. Price large size, 25c.; trial size, 10c., postpaid.

**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. Price on application.

**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.

**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 \$22.00 ton; 167 lb. bag, \$2.50.

**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 6c. lb.; 5 lbs., 25c.; 10 lbs., 45c.; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs. \$2.75; 500 lbs., \$12.50; 1,000 lbs., \$24.00; per ton, \$45.00.

**Tobacco Stems**—For fumigating, mulching and fertilizing; an excellent top dressing for lawns in winter. 1 lb., 10c.; 50 lbs., \$2.50; 100 lbs., \$4.50.

Inoculate this Seed with **FARMOGERM**

**Farmogrem**—Highest grade Inoculating Bacteria for all legumous plants increases the crop and improves the soil, never fail to use when planting Clovers, Peas and Beans of all description. Garden Size (1/4 acre) for Peas, Beans and Sweet Peas only. 50c. Postpaid. Regular Sizes. 1 acre, \$1.00; 3 acre, \$2.50; 12 acres, \$9.00 all postpaid.

Inoculate this Seed with **FARMOGERM**

## M. & S. STANDARD FLOWER AND GARDEN FERTILIZER

A POWERFUL, HIGHLY CONCENTRATED AND SOLUBLE PLANT FOOD FOR

### Flowers, House Plants, Lawns, Shrubbery and Gardens

PRICES

1/2 lb. package.....	\$ .35
1 lb. package.....	.60
5 lb. package.....	1.75
25 lb. bag.....	5.00

ANALYSIS

Nitrogen.....	15 to 17%
Equiv. Ammonia.....	18 to 20%
Avail. Phosphoric Acid.....	10 to 12%
Potash (K-2-O).....	8 to 10%

Can be used dry or dissolved in water. Full directions on every package. It is odorless.

## M. & S. STANDARD INOCULATING BACTERIA

GROWN DIRECT FROM THE NODULES

Highest Possible Virility. Increases the Yield. Enriches the Soil. Hastens Maturity. Improves Feeding Value. Saves Fertilizer Bills.

Prepared for Alfalfa, Soy Beans, Cow Peas, Sweet Clover, Red Clover, Crimson Clover, Alsike Clover, Vetch, Canada Peas, Field Peas, Garden Peas, Garden Beans, Peanuts, Sweet Peas, and all other legumes.

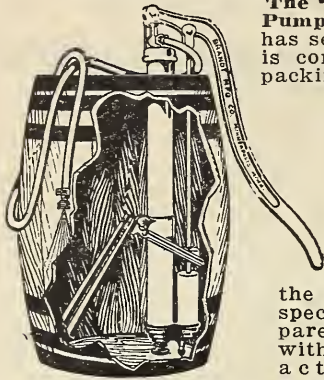
PRICES

Garden size.....	\$ .50
1 Acre Size.....	.75
2 Acre Size.....	1.45
4 Acre Size.....	2.25
6 Acre Size.....	3.00

Sent postpaid on receipt of price. One acre size sufficient for about 20 pounds of alfalfa, clover, or other small seed, and for about 90 pounds of peas, beans, or other large seeds.



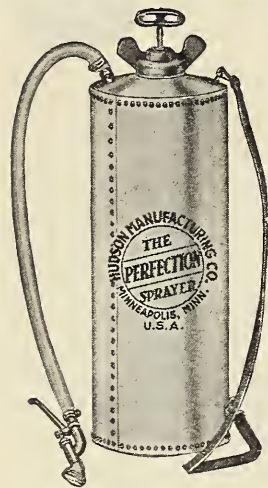
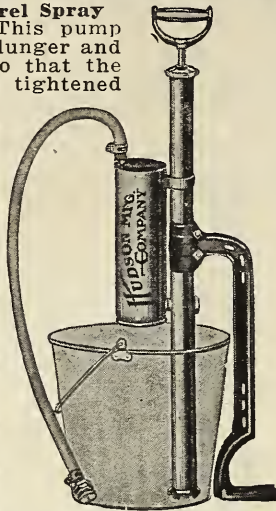
# M. & S. SPRAYING APPARATUS



The "King" Barrel Spray Pump No. 4A—This pump has self-oiling plunger and is constructed so that the packing may be tightened

without taking the plunger out of the cylinder. No leather or rubbers used in the pumps; the packing is specially prepared and will withstand the action of spraying chemicals longer than any other material and can be replaced in a few minutes at a nominal cost. Dimensions: 1 3/4 in. cylinder, 2 in. air chamber and fastens to chime of barrel. Equipped: 15 ft. of hose, 8 ft. extension pipe, nozzle agitator, etc. Price, \$14.00. This does not include the barrel.

"Magic" Bucket Pump No. 124—This pump is all brass except the foot piece and handle. The foot piece holds the pump firmly in the bucket or pail in just the proper position for work. The pump is equipped with 3 feet 1/2 inch spray hose attached with clamps. Price \$5.40. Parcel Post weight, 9 lbs.



## PERFECTION SPRAYER

For potato spraying, whitewashing, disinfectants, cold-water paints, etc. A high-pressure sprayer with the pressure. Capacity, 4 gallons.

Mailing weight, 15 lbs. Price: Galvanized, No. 110-G., \$6.50; Brass, No. 110-B, \$9.50.

The Hudson Jr.—Just like the above but smaller being 2 1/2 gal. capacity. No. 140-G. Galvanized price, \$5.00. Parcel Post weight 8 lbs.

The Easy Sprayer—This is a Compressed Air Sprayer, made for parties desiring something larger than the hand atomizer, and not as large as the regular compressed air type; it has all the advantages of the regular type. Capacity, 1 gal., galvanized tank. Parcel Post weight, 5 lbs. Price, No. 120-G, \$3.75.

Perfection Sprayer

## 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, \$20.00.

No. 3—Equipped with a 12 gal. tank mounted on a truck, three 2 1/2 ft. extension pipes, 2 nozzles and 10 feet of hose. \$30.00; without truck, \$26.00.

Extension Pipes.—Can be used with most makes of pumps.

Bamboo Ext. Rod, with brass tube, 12 ft. and stop cock, \$5.00. 10 ft. \$4.75. 8 ft. \$4.50.

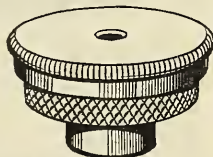
Brass Ext. Rods, 2 ft. Brass, 80c. Iron, 40c.

Stop Cock, for extension pipes, \$1.25. All 1/4 inch thread.

Spray Nozzles—All nozzles postpaid.

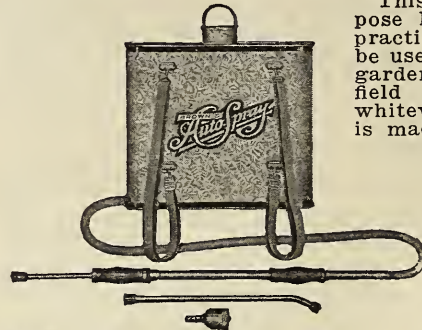
### No. 1 Paragon Sprayer

- Double Fog Nozzles, No. 164, \$2.10.
- Angle Fog Nozzles, No. 168, 80c.
- Straight Fog Nozzles, No. 166, 80c.
- Perfection Nozzles, No. 176, \$1.60.
- Bordeaux Nozzle No. 71—Price \$1.00.



Spray Hose, 1/2 inch, best made, all rubber, 15c. per foot.  
1/2 inch clamps for same, 5c. each; 50c. dozen.  
1/2 inch Hose Couplings 30c. pair.

## AUTO SPRAYER NO. 5, WITH TANK



This pump is the ideal all-purpose hand sprayer. Its field is practically unlimited as it may be used for spraying trees, vines, garden truck, potatoes and any field crops, and for handling whitewash and disinfectants. It is made entirely of brass, doing away with all danger of corrosion. The Auto-Spray No. 5 excels all other pumps in durability and simplicity. Because it is double acting it will do the same spraying that other pumps do, with half the labor. Parcel Post weight, 5 lbs. Price, \$9.50. We can furnish this pump without the Knapsack Tank. Parcel Post weight, 3 lbs. Price, \$6.00.

Price, \$9.50. We can furnish this pump without the Knapsack Tank. Parcel Post weight, 3 lbs. Price, \$6.00.

## AUTO SPRAYER NO. 25

### CONTINUOUS SPRAYER

Made in two sizes, one quart and one-half gallon capacity. Will handle all solutions, insecticides and disinfectants. May be used for all plant life, in the green house, kitchen, garden, for rose bushes and in the poultry house. The one-half gallon size is ideal for the florist or for field work where there is not a great area to cover. Both sizes are identical in construction with the exception only of the size of the reservoir.

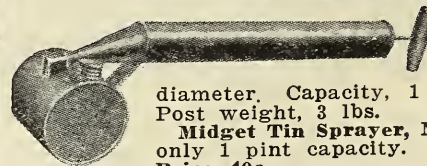
Two Spray Caps—One straight, the other at an angle for reaching under side of leaves. Will operate at any angle and will not tip over when filling.

Screw Caps Reinforced—With thumb levers—easy to turn.



- Hudson Spray, No. 7212-B—One qt., galvanized tank.....\$1.00
- Hudson Spray, No. 7212-G—One qt., brass tank..... 1.25
- Auto-Spray, No. 25-D—1/2-gallon, galvanized tank..... 1.75
- Auto-Spray, No. 25-E—1/2-gallon, brass tank..... 2.00
- Auto-Spray, No. 26-C—1 qt. all brass..... 1.25
- Auto-Spray, No. 26-A—1 qt. all tin..... .50

(Parcel Post weight of all sizes, 3 lbs.)



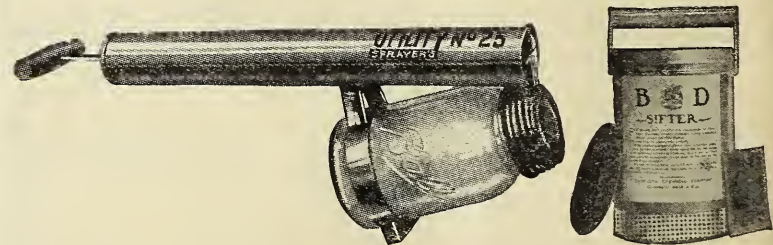
Misty Tin Sprayer No. 4512—Heavy material, copper syphon tube, pump cylinder extra large, 2 in. diameter. Capacity, 1 quart. Price, 50c. Parcel Post weight, 3 lbs.

Midget Tin Sprayer, No. 202—Like above but has only 1 pint capacity. Parcel Post weight, 2 lbs. Price, 40c.

Garden or Greenhouse Syringe, No. 101—One rose and single stream solid brass. Price \$3.50. Parcel Post weight 3 lbs.

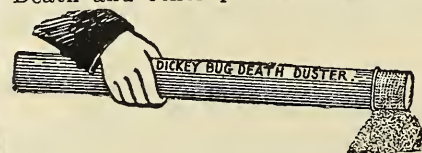
## MASON JAR SPRAYER AND B. D. SIFTER

The best for gardening. Have 1 quart Mason Jar ready for anything you want to spray; no cleaning when changing from one insecticide to another. Well made and nicely finished. Parcel Post weight, 4 lbs. No. 530, Price, 75c.



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 and other powder insecticides. Parcel Post weight, 2 lbs. Price, 50c.





**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 damping clothes and carpets, and for disinfecting purposes.

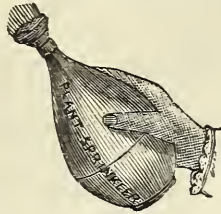


Fig. 2

Fig. 3

No. 1—8 oz. straight neck, \$1.25; Fig. 2, angle neck, \$1.00. Parcel Post weight, 1 lb.

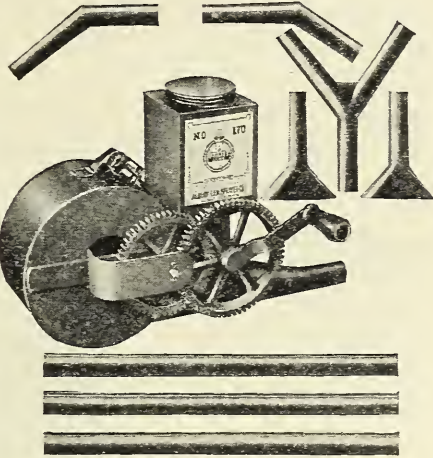
No. 2—4 oz. straight neck, Fig. 3, \$1.00; angle neck, \$1.00. Parcel Post weight, 1 lb.

**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 may 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.

**Little Giant Powder Duster**—This Duster is some what like the Champion Duster, except it is lighter and has a smaller capacity. It is nicely made and very strong. Our Special Price, \$11.50. Weight, 12 lbs.



**M. & S. POWDER BELLOWS No. 600**—Strong and serviceable, for Paris Green and other preparations. Parcel Post weight, 3 lbs. Price \$2.00.

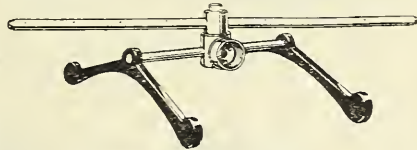
**Watering Cans**—Made of heavy galvanized iron, removable rose. 4 qt., 65c.; 6 qt., 75c.; 8 qt., 90c.; 10 qt., \$1.00; 12 qt., \$1.25; 16 qt., \$1.50; Long Spout Watering Cans made to order.

**RAINBOW**

**Low or High Pressure Brass Lawn Sprinkler, World's Best Rain Insurance.**

Does not stick or rust—the water descends in small particles like mist and rain combined over an area of 40 to 50 feet, watering every inch of ground.

Instantly set in motion with low water pressure—The Rainbow Sprinkler is supported on a brass sled, which may be easily drawn over the lawn, or on a brass stick stand, which is very effective on uneven surfaces. The Sprinkler may also be connected to a stand pipe. The Rainbow lawn sprinkler works perfectly from artesian well or tank pressure. Strong in construction. Attractive in appearance. Parcel Post weight, 3 lbs. Price, \$3.00.



**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." Parcel Post weight, 2 lbs. Price, 80c.

**Baby Fountain Lawn Sprinkler**—fig. 2. Same as above but smaller. Parcel Post weight, 2 pounds. Price 60c.

**EVEN-SPREAD LAWN SPRINKLER**



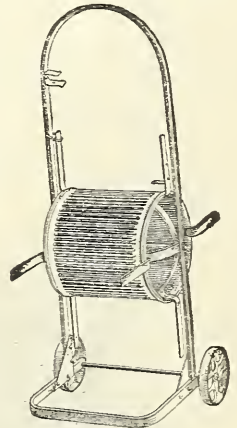
JUST LIKE RAIN

At last! The Sprinkler that every lawn owner has been looking for—the product of a famous inventor—a sensational success. Sprays the water over greater radius than any other; throws an equal amount on each square foot within the immense circle, JUST LIKE RAIN; elevates it only three to four feet above ground, preventing the wind blowing it to one side, and yet does not cut it into a fine mist to be lost in the air.

Attached to hose, its wonderful little spreader spins like a top, spreading the drops as evenly as a shower, causing all to stop, wonder and admire. Sturdily built, sound in principle, will last a lifetime. Is truly a little wonder. Customers delighted. Weight, 3 lbs. boxed. We cannot recommend too highly. Price, Postpaid, \$2.50.

**"M. & S." LAWN SHOWER SPRINKER**—A most complete lawn sprinkler, which will throw even shower spray for a radius of 20 feet. Price, 25c. each. Parcel Post weight, 2 lbs.

**No. 955—Three-Arm Sprinkler**—Can be operated with moderate pressure, covers wide area, and distributes water evenly. Revolving arms throw water in a fine spray into the air and the motion produces a fine mist. Height, 1 foot. Nickel-plated and nicely finished. Price, \$2.25. Weight, 4 lbs.



**RUBBER HOSE, REELS, MENDERS, ETC.**

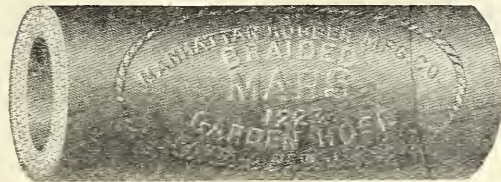
**Hose Couplings**—Brass, regular size, 30c. per pair.

**Hose Washers**—Rubber, regular size, 10c. per dozen.

**Hose Bands**—For 3/4 and 1/2-inch hose, 5c. each; 50c. doz.

**Hose Nozzles**—Combined solid stream and spray, 85c. each.

**Hose Reels**—Wood, \$2.00; Steel, \$2.50. The hose we offer is the best. It is guaranteed not to break.



**Mars**—Continuous length braided 3/4 in. hose. We can furnish any lengths. We can highly recommend this hose 18c. foot. Couplings included in 25 foot lengths or more, 17 1/2c. per ft.; in 50 ft. lengths at 16 1/2c.;

100 ft. at 16c.; 250 ft. at 15c. This hose is as good and better than the majority.

**Wixom Garden Hose**—5-ply, coupled in 50 ft. lengths. Price, \$6.75; 25 feet \$3.75; per foot 14c.

**"Perfect Clinching" Hose Mender**—Slip in the hose and hammer down—that's all. It leaves the hose as smooth and strong and tight as a new hose. It does the work of the mender tube and two clamps formerly used.



Price, 15c. each; 2 for 25c.; \$1.25 doz., post-paid.

**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, etc. All ready with wire to fasten.



	100	1000
2-lb. size.....	\$0.85	\$7.50
3-lb. size.....	.90	8.00
4-lb. size.....	1.00	8.50

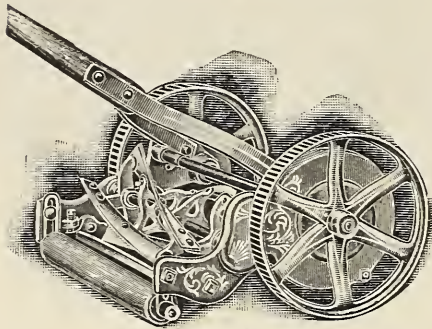
Parcel Post weight on all three, 2 lbs. per 100; 15 lbs. per 1,000.

Bag all grapes to keep them from insect stings.

**PLANT BED CLOTH**—A cheap substitute for glass, and will keep out many degrees of frost; for poultry houses. Also useful for shading material. Samples mailed on application. Heavy grade, yard, 30c.

# M. & S. RELIABLE LAWN MOWERS, ETC.

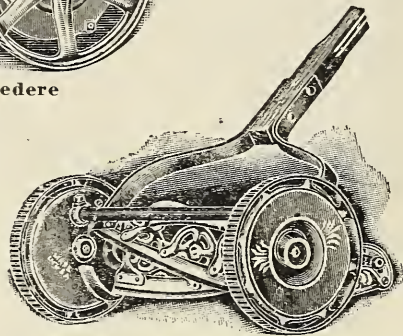
Our Lawn Mowers are specially manufactured for us by the Coldwell Lawn Mower Co., the oldest and always reliable Lawn Mower manufacturers in the United States. Their line needs no introduction for quality, service and reputation. Easy running, ballbearing, made to last and to do fine work. Prices subject to change.



M. & S. Belvedere

**M. & S. "Colonial" Ball Bearing Lawn-mower**—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.

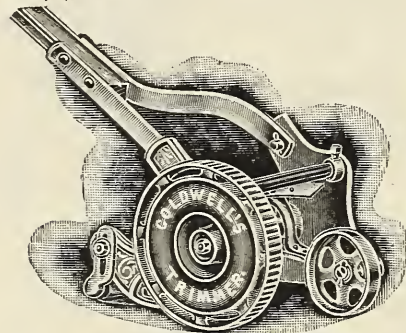
**PRICES:**  
12 in. cut, \$9.25; 14 in. cut \$10.25; 16 in. cut., \$11.25.



M. & S. Colonial

**M. & S. "Belvedere"**—It is our leader and the best train geared lawn mower on the market. Ballbearing.

**PRICES:**  
14 in., \$20.00; 16 in., \$21.00; 18 in., \$22.00.



Coldwell's Lawn Trimmer.

curved work, paths, drives, open borders or flower beds, doing the work well and rapidly when ground is in order, as after rain. Price \$6.50.

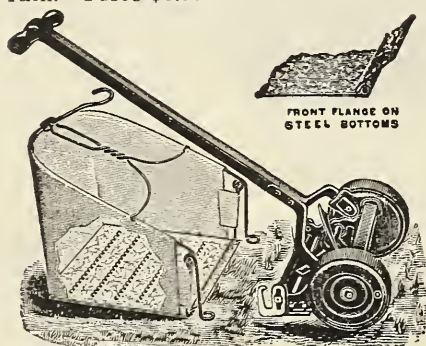
**Coldwell's Lawn Trimmer**—excellent for trimming around flower beds, shrubbery and walks. Revolving cutter is 6 inches and cuts within 1/4 inch of side construction.

Price, \$10.50  
**"Planet Jr." Grass Edger**

— Extreme neatness is the great secret of attractiveness in grounds surrounding a house. The "Planet Jr." Grass Edger assists wonderfully in producing this effect. It will edge either straight or curved work, paths, drives, open borders or flower beds, doing the work well and rapidly when ground is in order, as after rain. Price \$6.50.

## 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.



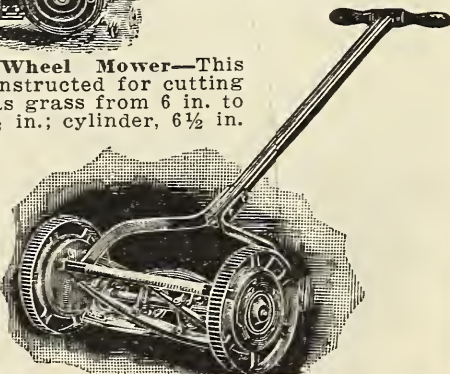
FRONT FLANGE ON STEEL BOTTOMS

**Pennsylvania High Wheel Mower**—This high-grade mower is constructed for cutting ordinary grass as well as grass from 6 in. to 10 in. high. Wheel, 10 1/2 in.; cylinder, 6 1/2 in. Four crucible steel knives.

Prices on 15 in., 17 in., 19 in. and 21 in. furnished on application.

**M. & S. "Interstate"**—Ballbearing, first class, high wheel. Easy running, fully warranted.

Prices—14 in., \$13.00; 16 in., \$14.00; 18 in., \$15.00.

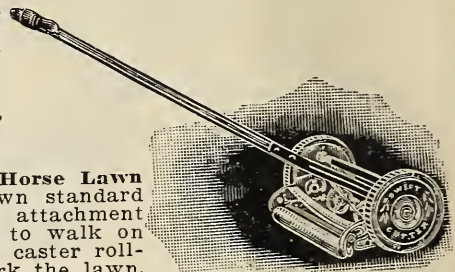


M. & S. Interstate

**M. & S. Swift Cutter**—A low-priced machine for small grass plots not ballbearing, fully guaranteed.

Prices: 12 in. cut, \$6.50; 14 in. cut, \$7.50; 16 in. cut, \$8.50.

**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.



Coldwell Lawn Trimmer

Demountable 6 blade without extra cutting unit...	\$200.	\$225.
Demountable 4 blade without extra cutting unit...	185.	215.
Universal 6 blade .....	160.	185.
Universal 4 blade .....	145.	165.

**Pony Mower, 25-inch, \$100.00.**

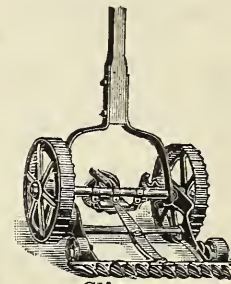
**Oil Cans**—Filled with oil, 15c. and 25c.

**We Repair and Sharpen Lawn Mowers**

**Horse Boots, Set of four, \$25.00.**

**Coldwell's Putting Green Mowers**—Prices on application.

**Coldwell's Combination Roller and Motor Lawn Mowers**, price and descriptive circular on application.

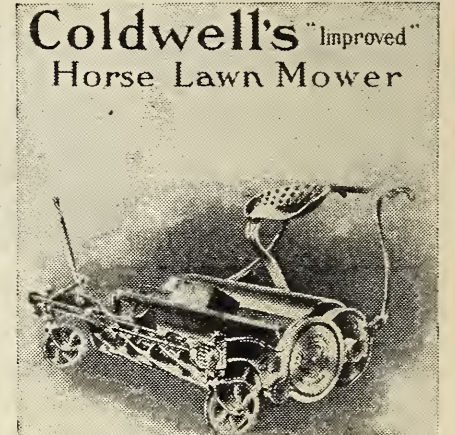


Clipper Lawn Mower

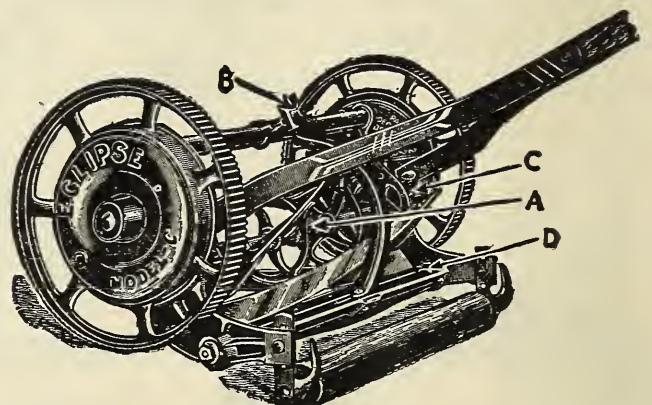
**The "Clipper" Mower**—There are three things that tend to destroy your lawns—dandelions, buck plantains and crab grass. In one season the Clipper will drive them all out. No. 1, 12 in. cut, \$9.50; No. 2, 15 in. cut, \$10.75; No. 3, 18 in. cut, \$12.00; No. 4 21 in. cut, \$13.50

24 Inch Pony Mower, \$26.00

**Coldwell's Horse-Drawn Threesome Lawn Mower**—Cuts a swath of 7 feet 7 inches. \$260. F. O. B. factory.



Coldwell's "Improved" Horse Lawn Mower



The Eclipse

**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 key note. 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.

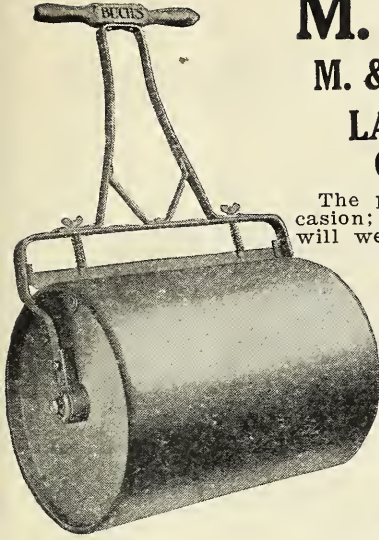
The Lever Adjustment for bringing the stationary blade up to the revolving blades is so simple that a child can do it. No troublesome set screws or bolts to operate,—no tools needed,—just two thumb nuts do it.

30 in. 35 in.



# M. & S. Lawn and Garden Accessories

## 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. Equipped with counter - balanced handle weights, which always keeps the handle 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.

	Weight		Filled with		Price
	In.	In.	Water	Sand	
No. 602.....	18	24	155	410	\$19.50
No. 603.....	24	24	180	525	\$22.50

If handle weights are wanted (as shown in illustration) add \$6.00 to each size.

**Keystone Roller Bearing Lawn Rollers**—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 150 lbs., length 15 in., \$17.50. **No. 504**—Diam. 20 in., 2 sec., weight 250 lbs., length 20 in., \$22.50. **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.

**Lawn Padders**—Very useful in padding down seed, where a roller cannot be used. Two strong boards, 9/16 in. by 20 in., arranged each with a rope attached to the feet. Price, complete, 75c. per pair. Parcel Post weight, 8 lbs.

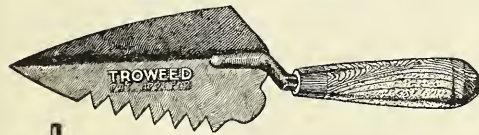


Fig. 18.

**Keen Cutter Dock Cutter and Weeder**—Fig. 18. Price, \$1.25. **Pastime Weeder**—Price, 25c. Weight, 1 lb., Long handle. **"Dandelion" Spuds**—A practical weeder; long handle. Price, 25c.

### "TRO-WEED"

**A BOO NTO GARDENERS, FLORISTS, GREENHOUSEMEN.** Combination Garden Tool—Trowel—Weeder—Transplanter. **ADVANTAGES OVER ORDINARY TROWEL—WEEDER, Etc.**



1st—The sharp point enters the soil with ease, picking out weeds without disturbing growing plants—in transplanting has no

equal. 2nd—The saw tooth edge—decided aid in pulverizing the earth, loosening weed roots. 3rd—Does away with separate tools. 4th—Mechanically perfect in construction. The shape strenghtens the solid steel blade, making it proof against rough usage. Also increases its holding capacity. 5th—Most important to consider—no higher in price than the ordinary all-steel trowel. Price, 60c. Parcel Post weight, 2 lbs.

### OILS AND AXLE GREASE



Fig. 4

**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**—1 lb. Can, 15c. and 3 lb. can 40c.

**LEAF RACKS**—Price on application. **LAWN RAKES, LEAF RAKES, ETC.**—See page 49.

### THE NEW WEED KILLER "ERADO"

"Erado" does away with the old-fashioned, laborious and back-breaking method of digging up dandelions and weeds of all kinds by hand. It is filled with a weed-killing solution, an amount of the solution is dropped on the root; then by turning the tool the top of the plant is cut off. It is a simple matter to refill.



For killing pig-weed and quack-grass, use a solution of iron sulphate. \$1.00. Parcel Post weight, 2 lbs.



**Cleveland Weed Puller**—Fig. 19. Valuable for extracting weeds from the lawn. A great back saver. The curved edge of the blade enters and loosens the soil; pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull will dislodge it without disturbing the surrounding sod. Price, \$1.00. Weight, 4 lbs.

**Long Handle Grass and Weed Sickle**—Fig. 20. Light, strong, durable. The blade 13 in. long, 2 1/4 in. wide at the heel, is made of crucible steel, oil tempered and sharpened to a razor edge. The shank, made in two parts. Weight, 2 lbs. Price, \$1.00.

**Godwin's Grass Shears**—Fig. 18. Something entirely new; weight, 1 lb. Price, \$1.75. See Fig. 18.

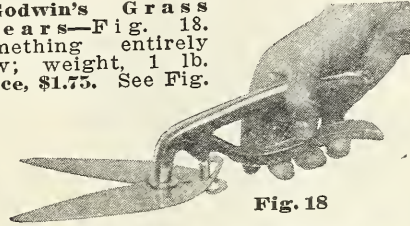


Fig. 18

**No. K Keen Cutter Grass Hook**—Trowel Shank; Blades hammered from crucible steel. 75c. each. Parcel Post weight, 2 lbs.



**Fraser Riveted Back Grass Hook or Sickle**—This is the imported solid steel hook, which we have been unable to import for some time, but now have a full stock. Price No. 2, 75c. No. 3, 85c. Parcel Post weight, 2 lbs.

**Fig. 19** **Grass and Sheep Shears, No. 357**—Full polished; imported 6 in. shears, Weight, 1 lb. Price, 75c. **No. 355**—Imported 6 in. steel shears, full size. Price, \$1.25. weight, 1 lb. **No. 346**—Imported very good steel, 5 1/2 in. Price, 50c. Weight 1 lb.

### GRASS SHEARS



**Lawn Shears Imported**—Two wheels, 9 in. blade, long handle for cutting on narrow borders, under fences and shrubs. Price, \$6.00.

**Border Shears**—Same as above, but the blades are shaped vertical for trimming borders. Price, \$6.00.



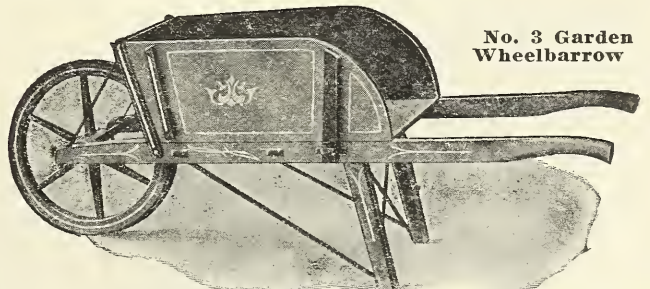
Fig. 17

**Asparagus Knife**—Which makes a fine weeder as well. Fig. 17. Price, 40c. Weight, 1 lb.

**Asparagus Buncher**—The latest improved. Price, \$3.00. Wt., 4 lbs.

**Wire Fruit Pickers**—To be adjusted to long pole. Price 60c. each. Weight, 2 lbs.

### WHEELBARROWS



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; 2x1 1/2 in. wheel; 20 in. diameter; 6 spokes. Price \$6.75. Set up, \$7.25.

# The "Little Wonder" Hedge Trimmer

PRICE REVOLUTIONIZES HEDGE TRIMMING \$25.00



The Little Wonder has been in practical use for eight years. Its extensive manufacture was prohibited during the war. They are now made by the thousands.

**What the manufacturer says.**

The many unsolicited testimonials that came to us are very encouraging indeed. Although we spent many thousands of dollars in perfecting and patenting the machine and know we have the best machine ever produced for the hedge owner. It is not only practical but very easy to operate.

**Weight of machine 12 lbs.**

Each machine packed in wooden case; shipping weight, 25 pounds.

May be sent by parcel post.

**Price, \$25.00.**  
Full and complete instructions (so simple that a child can assemble) come with each machine.

This cut shows method employed in making side cut of hedges up to 45" high. It is a very easy cut to make, the machine runs almost by itself on this cut.



This cut shows method used for 40-inch and 60-inch machines for trimming high growth when assisted by a child.

It is wonderful how fast it mows it down, and how even it cuts and how easy it runs.

Parcel post weight, 25 lb. weight of machine 12 lb. Price, \$25.00.

Notice: Kindly send your order in at once as we expect to be sold out early, we want none of our costumers to be disappointed in not being able to procure this wonderful machine.

Gentlemen: Your LITTLE WONDER Hedge Trimmer, purchased this season is in the opinion of the writer, the greatest invention and labor saver of the age to the Nursery and Horticultural Trade. Paid for itself in one cutting, with at least 25 per cent. of Labor cost. Not only on Hedges, but on specimen shrubbery, plants and trees has this machine proved itself indeed the LITTLE WONDER. P. H. Williams, Supt. Estate John E. Hurst, Esq., "Hurstleigh", Woodbrook, Md.

Gentlemen: I just want to say that the "Little Wonder" Hedge Trimmer, has been put to the most severe test this past season, and has proven perfectly satisfactory, in every respect. Your very truly, J. Fred Wessler, District Superintendent Dep't of Parks, Baltimore, Md.

The machine is built along the most practical mechanical lines and of the best material obtainable. Blades are made of high carbon steel tempered tough (not brittle) and hold a sharp edge for a long period.

The bearings are bushed with the best high speed "Non-Gran" Bronze. Studs are made from steel hardened same as best auto bearings are made. With reasonable care the machine will last a lifetime. Weight in only 10 lbs.

It is so simple to operate, especially where tail end is held by some one as shown below that the amateur becomes an expert almost instantly.

It runs so easy and is so light that a lady can easily operate it.

Not built for "Cutting Back" hedges but to keep the new growth trimmed and to enable you to do it so quickly and easily that it can be done frequently, every few weeks and add one-hundred per cent. appearance to the entire property.



This cut shows method employed in trimming top of low and medium height hedges. The machine is supported over the shoulders by wide webbing, which supports the weight.

No more waiting for some gardener to come and trim your hedge while it grows tall and spoils the looks of the whole place. With just a few minutes you can now do it yourself with the "Little Wonder". It runs astonishingly easy.

## PRIVET HEDGE AND PRIVET HEDGE TRIMMING

The homeland of this beautiful hedge is Japan. Some thirty or forty years ago it was introduced on our western coast. Today it is known all over our land as California Privet.

For beauty of home and lawn decorations it has no equal in the line of shrubbery. It is perfectly hardy, will stand heat or cold, wet or dry, and adapts itself readily to any soil. Because of its splendid qualities people have planted it everywhere. BUT IT HAS ONE DRAWBACK. It must be trimmed and be trimmed often, but it pays to do this, for the more you trim it the more beautiful it grows.

## A LOW HEDGE FOR BEAUTY

An extensive survey has been made of the hedges of several suburban towns, to see whether the prevailing sentiment for beauty was in favor of high or low hedges. We find that preference for the hedge ranging from 18 in. to 3½ ft. in height stands 6 to 1.

# M. & S. PRUNING TOOLS Etc.

## "MCKENNEY PRUNER"

1. The easiest cutting pruner in the world.
2. The only perfect cutting pruner in the world. One that does not injure the bark in any way, as both blades have cutting edges.
3. The only pruner that will cut seasoned limbs 1½ inches in diameter.
4. The lightest pruners on the market.
5. "McKenney" Pruners are made of steel throughout. Nothing about them to break.

In order that you may be convinced that the "McKenney" Pruner is the best, we ask you to test it out against all other pruners that are on the market.

The slot in the handles of the No. 2 Pruner gives this machine three separate cutting powers.

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 dishorning young cattle.

	Weight	Length	Price
No. 1	2 lb.	23-inch	\$4.50
No. 2	5 lb.	30-inch	.60

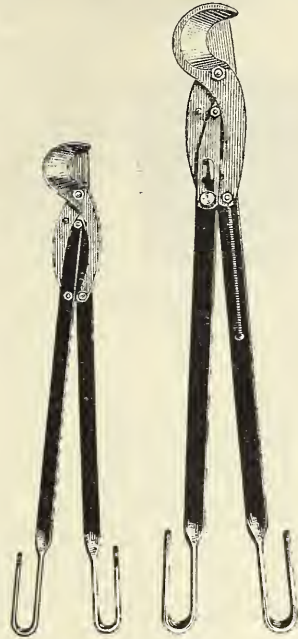


Fig 2

## "KEEN KUTTER" TREE PRUNER

Select hardwood pole, natural finish; forged steel hook, painted red, riveted to handle; tempered crucible forged tool steel drawn cutting blade 4¾ inches long, insuring ample leverage; copper finish steel wire drawing rod; steel lever handle, painted red, with hardwood grip; clip that handle works is bolted to pole; length of lever handle, 11 in.; 8 ft., \$2.25; 10 ft., \$2.75; 12 ft., \$3.00.

**Jointed Pole Tree Trimmer**—Fig. 24. 12 feet long, can readily be transformed to 8 foot trimmer; made of the best material; very strong. Price, \$4.00. Parcel Post weight, 8 lbs.



Fig. 24

## HAND PRUNERS

**No. R-95, 10 inch**—The best made, has adjusting nut and regulating ratchet, made after the french pattern coil spring and wheel type. Price, \$3.75, weight, 1 lb.

**No. 110 8 inch**—This shear designed with two cutting edges, has tremendous strength best for long hard use and positive cutting. Price, \$3.00 weight 1 lb.

**No. R-85 8½ inch**—Full polished. Double flat brass spring kind, extra blade with each blade. Price, \$2.25, weight 1 lb.

**No. R-70, 9-inch**—Like illustration, has adjusting nut and regulating ratchet, steel blades of extra quality, tempered, Volute spring. Price, \$1.50. Parcel Post weight, 2 lbs.

**No. R-65 9 inch**—Like above, no extra blade polished pruner. Price, \$1.60. weight, 2 lb.

**No. 50 9 inch**—A good pruner, weight 1 lb. \$5c.

**No. 14—6 in.** Ladies' pruner, full polished, \$1.25. Fig. 6. Parcel Post weight 1 lb.



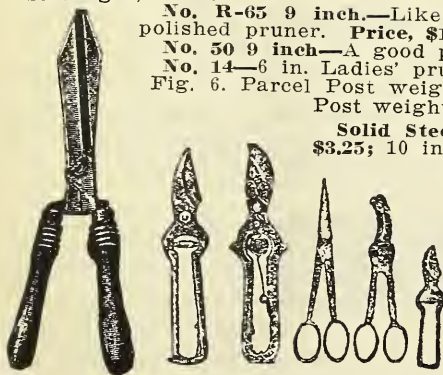
Fig. 18

Post weight on hand pruners, 2 lbs.

**Solid Steel Hedge Shears**—12 in., \$3.25; 10 in., \$2.75; 9 in., \$2.25.

8 in., \$2.00. All equipped with notch; the notch is very useful in heavy trimming or lopping. Parcel Post weight on all hedge shears, 3 lbs.

**Ladies' Hedge Shears**—5½ inch cut. Price, \$1.25. Parcel Post weight, 2 lbs.



Figs. 1 2 3 4 5 6

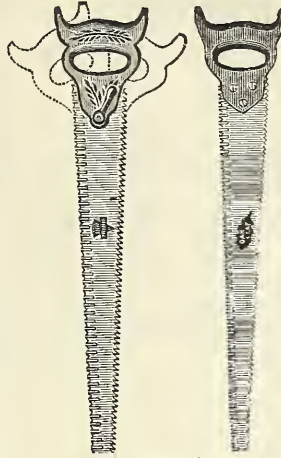


Fig. 8

**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. \$2.00 each. Price subject to change.

**Hotbed Mats**—Burlap covered, 40x76 size, covers one sash, \$1.75 each; 76x76, covers two. \$2.75 each. Price subject to change.

**Grape and Flower Shears**—Fig. 7. Very useful. Price, 50c. each. Parcel Post weight, 1 lb.

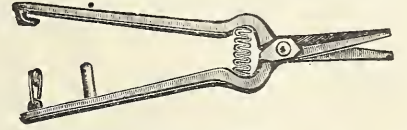


Fig. 7

**Pruning Saws**—Made of the very best material, \$1.25. Straight and Curved Blades. Fig. 8. Weight, 2 lbs.

**Pruning Knives, No. 900**—Wood handle. \$1.00, postpaid.

**Budding Knives, No. 2852½**—Bone Handle. 80c. postpaid.

**Pocket Knives, No. 2107**—Combined pruning and budding, horn handle, \$1.00, postpaid. No. 2112—Same knife, ebony handle, \$1.25, postpaid. No. 40062—Combined pruning and budding, bone handle. \$1.00, postpaid.



**Hotbed Glass**—Box of 90 panes, 8x10. \$5.00. Price subject to change.

**Putty Bulbs**—For applying liquid putty. Fig. 22. Price, \$1.35. Parcel Post weight, 1 lb.



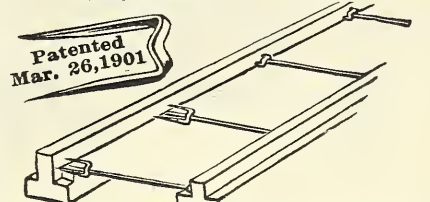
Fig. 22

**Twemlov's Old English Glazing Putty**—Semi-liquid. For bedding-glass in sash and filling cracks or seams in roof joints or frames of hotbed or green-houses. Gallon, \$2.75.

**Peerless Glazing Points**—The finest glazing points on the market. Per box of 1,000, 75c. Parcel Post weight, 1 lb.

**A few of Its Good Points**—No raising up when driven. No rights. No lefts. No sliding. No trouble to apply. Cheap, indestructible. Once used, always used. Try them once.

**Plant Bed Cloth**—A cheap substitute for glass, and will keep out many degrees of frost; for poultry houses. Also useful for shading material. Samples mailed on application. Heavy grade, yard, 30c.



Patented Mar. 26, 1901

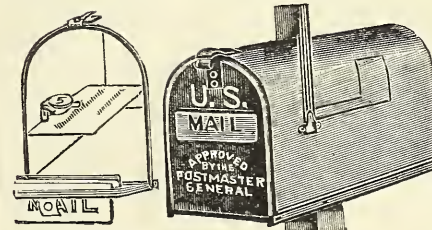
## THERMOMETERS

Parcel Post Weight, 1 lb. on any of the four listed.  
**Regular Thermometer**—Nicely finished. Price, 75c.  
**Self-Regulating Hothouse Thermometer**—Best grade, \$5.50.  
**Hotbed Thermometer**—Brass point. Fig. 8. Price, \$1.75.  
**Hotbed Thermometer**—Iron frame and point. Price, \$1.75.



Fig. 8

## 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.

# M. & S. HORTICULTURAL AND GARDEN SUPPLIES

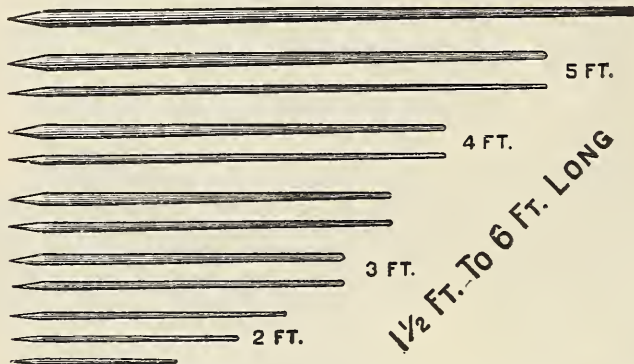
## POT & TREE LABELS—PAINTED

	Parcel	Post Wt.	100	500	1000	P. P. W. per 1000
4	in. x 5/8 in.	wide... 1/2 lb.	\$0.30	\$0.90	\$1.55	3 lbs.
5	in. x 5/8 in.	wide... 1/2 lb.	.35	1.25	2.05	4 lbs.
6	in. x 5/8 in.	wide... 3/4 lb.	.40	1.50	2.50	5 lbs.
10	in. x 5/8 in.	wide... 2 lb.	.75	3.50	6.00	10 lbs.
12	in. x 5/8 in.	wide... 3 lb.	.90	4.00	7.30	12 lbs.
3 1/2	in., Copper Wired,	1/2 lb.	.35	1.25	2.45	4 lbs.

### 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.....	.35	2.25	18.00

### GREEN PAINTED PLANT STAKES



3 ft., Heavy or Dahlia..Each	\$0.12	Per Doz.	\$1.25	Per 100	\$9.00
4 ft., Heavy or Dahlia..Each	.15	Per Doz.	1.75	Per 100	12.00
5 ft., Heavy or Dahlia..Each	.20	Per Doz.	2.25	Per 100	15.00
6 ft., Heavy or Dahlia..Each	.25	Per Doz.	2.75	Per 100	18.50

P. P. Wgt., Per Doz., 3 ft., 3 lb.; 4 ft., 5 lb.; 5 ft., 7 lb.; 6 ft., 9 lb.



## POINTED FLORAL OR HYACINTH STAKES

Used for staking Hyacinths, Tulips, Etc. Dyed Green.

	Price, Doz.	Price, 100	Price, 1000
12 inch... 2 lbs.	\$0.05	\$0.30	\$2.25
18 inch... 2 lbs.	.08	.50	3.00

Special Price to Florists in 1,000 Lots.

## NEPONSET WATERPROOF PAPER FLOWER POTS

Extensively used for shipping, starting seeds and seedlings in frames and hot-houses.

2 1/4 in.....	\$0.08	\$0.50	\$3.70
3 in.....	.15	.70	5.85
3 1/2 in.....	.20	1.00	7.60
4 in.....	.25	1.25	9.50
5 in.....	.30	1.75	14.80
6 in.....	.40	2.50	19.80

Parcel Post weight below.

Parcel Post Wgt.	Per 100	Per 1000
2 1/4 in.....	2 lbs.	13 lbs.
3 in.....	4 lbs.	20 lbs.
3 1/2 in.....	5 lbs.	25 lbs.
	Doz.	100.
4 in.....	1 lb.	5 lbs.
5 in.....	1 lb.	6 lbs.
6 in.....	1 lb.	10 lbs.

START YOUR EARLY VEGETABLE AND FLOWER SEEDS INDOORS IN NEPONSET FLOWER POTS.

## 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 Inches	Price Each	Weight Pounds
No. 1	12	9 3/4	10 3/8	\$1.85	9
No. 2	13	10 3/4	12 3/4	2.50	13
No. 3	14 1/2	12 7/16	14 3/4	3.00	15
No. 3 1/2	16 1/2	14 1/2	15 3/4	4.00	18
No. 4	19 7/16	17 1/4	16 5/8	4.25	21
No. 5	22 7/16	20 3/4	18 1/2	5.25	26

### Richmond Style

Size	Inside Top Diameter Inches	Inside Bottom Diameter Inches	Inside Depth Inches	Price Each	Weight Pounds
No. 5	10	7 1/2	9	\$0.65	3
No. 7	12	9	11	1.10	4 1/2
No. 9	14	11	13	1.60	7
No. 11	16	12 1/2	15	1.90	9

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 Pounds
No. 5	10	7 1/2	9	\$0.65	3
No. 7	12	9	11	1.10	4 1/2
No. 9	14	11	13	1.60	7
No. 11	16	12 1/2	15	1.90	9

## EARTHENWARE FLOWER POTS

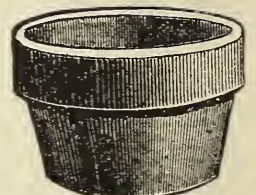
Sent by Express and Freight Only



	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

	Each	Doz.		Each	Doz.
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			

1000 Lots on Application.

## TWINES, RAFFIA, ETC.

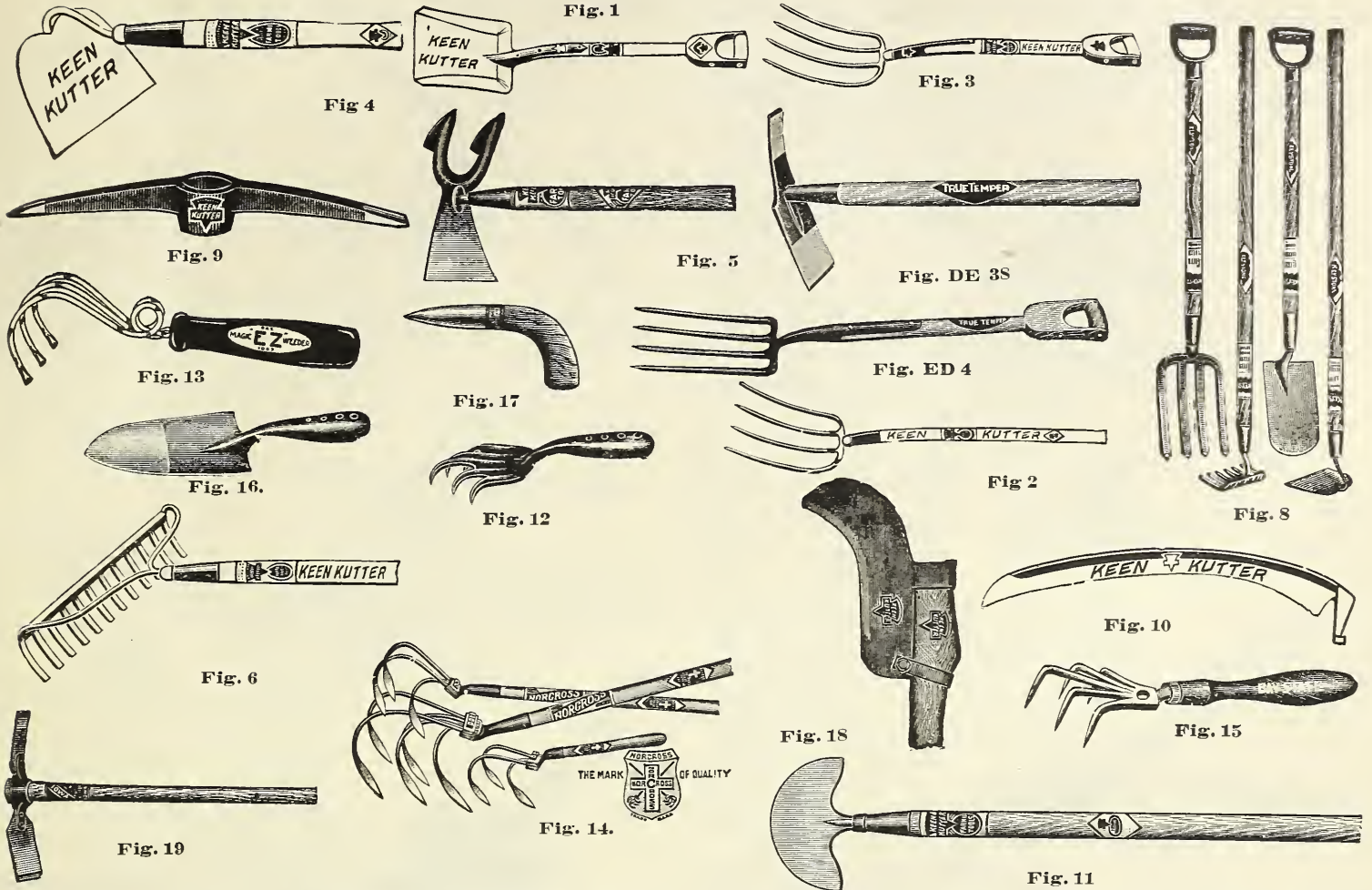
Jute Twine—3-ply, 15c. ball. 35c. lb.  
Binder Twine—Standard; ball, 5 lbs., \$1.00. Quantity price furnished on application.  
Fodder Twine, or Tarred Sisal—Lb., 20c. Quantity prices furnished on application.  
Plow Lines—Cotton, per pair, 75c.; Sisal 40c. Weight, 2 lbs.  
Garden Line—150 feet of good cotton line, 35c. at 1Sc. lb. Special price on larger quantities.



Fig. 21

Hanks contain about 2 1/2 lbs., at 20c. per lb.; 25 lbs. or more, at 1Sc. lb. Special price on larger quantities.

Raffia—Fig. 21. For tying asparagus, and used extensively for tying roses, chrysanthemums or anything in the garden. Price, lb., 25c.



## GARDEN TOOLS, SHOVELS, RAKES, ETC.

Keen Kutter Round Point Long Handle Shovels—\$2.00.  
 Keen Kutter Square Point D Handle Shovels, No. 3—\$2.00.  
 Fig. 1.  
 Keen Kutter D Handle Spade—\$2.00.  
 Keen Kutter Long Handle Spade—\$2.00.  
 D Handle Nursery Spade—Double straps entire length of handle, \$3.75.

### "KEEN KUTTER" FORKS

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.  
 English Digging Fork—The fork that breaks the soil. Very strong. Fig. No ED 4, \$2.75. Parcel Post weight, 6 lbs.  
 "Keen Kutter" Hoes—Fig. 4. Crucible steel, 6, 7 and 8 in., \$1.15; 1-pronged, weeding hoe, 50c.; 2-pronged, 60c.  
 Oak Leaf Cultivator Hoes—Fig. 5. 75c.  
 K. K. Eye Hoe—7½ inch blade. \$1.25, including handle.  
 "Keen Kutter" Pick—Fig. 9. Price, \$1.50; with handle, \$2.00.  
 "Keen Kutter" Mattock—Price, \$1.75; with handle, \$2.25.  
 Grub Hoe, or Mattock—Price, \$1.25; with handle \$1.75.  
 One-Piece Grubbing Hoe—Extra strong, true tempered steel. Fig. No. DE 38, \$1.25. Parcel Post weight, 5 lbs.  
 Warren Patent Hoe—Heart shaped. See illustration Fig. 8. \$1.25 each.  
 Mattock Hoe—Fig. 19. 75c. each.  
 Mattock and Pick Handles—Price, 50c.  
 English Scuffle Hoe—6 in., 90c. No handle. Handle, 25c. extra.

"Keen Kutter" Ladies' and Children's Garden Tool Set—Fig. 8. Consisting of rake, shovel, hoe and spading fork. Made of first-class material. Not toys, but tools that will do and stand the work. Price, \$3.00. Single tools: Shovel, 90c.; Rake, 50c.; Hoe, 75c.; Spading Fork, \$1.00.

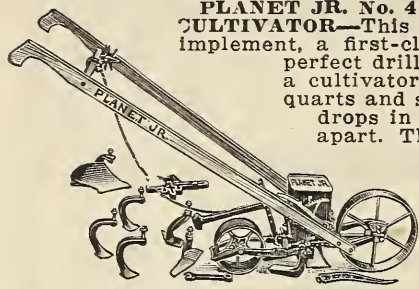
Excelsior Weeder—Five teeth. Fig. 15. Price, 20c. weight, 1 lb.  
 M. & S. One piece all steel weeder—Fig. 12. 35c. Parcel Post weight, 1 lb.  
 Magic "EZ" Weeder—Fig. 13. Light in weight, strong in construction; excellent tool; in great favor; best for the price. Three tines. Best quality, No. 8½ steel wire. Nicely tinned. Length, 9 inches; weight, 4½ oz. Black enameled handle, No. A. Price, 20c.; weight, 1 lb.; No. D, large size, 4-tined with hoe or scraper on back. Price, 50c.; weight, 2 lbs.  
 Dibbles, or Planting Pegs—Bent wood handle. 65c. Weight, 1 lb. Fig. 17.

All-Steel One-Piece Trowels—No. 212, 50c.; No. 215, riveted shank. Price, 30c. Parcel Post weight, 2 lbs.  
 German Transplanting Trowels—No. 217, 6 inch, weight, 1 lb. Price, 25c.  
 M. & S. One piece all steel trowel—Indestructible. Fig. 16. Price 40c. Parcel Post weight 2 lbs.  
 "Keen Kutter" Rake—Bow Pattern. Fig. 6. 14-tooth, \$1.25. Regular 14-tooth, \$1.10.  
 "Queen" Lawn Rake—With handle 24 teeth, 75c.; 36 teeth, \$1.50.  
 "Ole Olsen" Lawn Rake—All wood, \$1.25. 26 teeth, hickory wood, with handle. less handle \$1.00.  
 Wood Leaf Rake—Reinforced with 3 heavy wire bows, has 24 teeth. Price, \$1.50.  
 Potato Hook, or 4-pronged Hoe—Price, \$1.25.  
 "Keen Kutter" Turf, or Lawn Edger—For edging walks. Price, \$1.15. Fig. 11.  
 "Keen Kutter" Bush Hook—Fig. 18. Made of the best material. Price, \$2.25.  
 "Keen Kutter" Scythes—Fig. 10. 32 and 34 inches long. Price, \$2.25.  
 English Scythes—32 to 36 inches long. Price, \$2.75.  
 German Scythes—Price, \$2.50.  
 Bush Scythes—18-22 inches long. Price, \$2.25.  
 Weed Scythes—24 and 28 inches long. Price, \$2.25.  
 Snathes—Light and heavy. Price, \$1.50.  
 American Talacre Stones—25c. each.  
 Whetstones—Carborundum, 35c.  
 "Keen Kutter" Ax—Guaranteed article, \$2.50.  
 K. K. Hatchets—Half Pattern. Best quality. Each \$2.00.  
 Special Price to Florists and Gardeners.

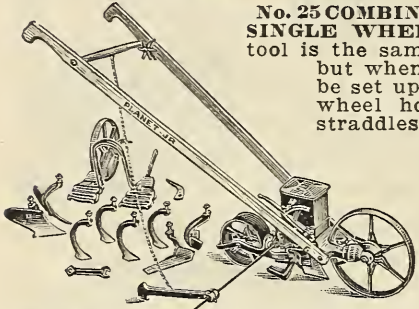
## NORCROSS CULTIVATORS AND WEEDERS

These are the most modern tools for garden and flowers. They are light and strong and cultivate closer to plants without injuring them than other kinds of implements, leaving the soil level, loose and untrampled. Cost but little more than the common hoe—accomplish much more and better work with less labor. They cultivate the soil. Fig. 14.  
 The "Norcross" line is of the highest quality and finish throughout.  
 Three sizes and prices: 5-pronged, 4 ft. handle, \$1.00; 3-pronged, 4 ft., handle, 75c.; "Midget," 9 in. handle, 40c. Weight, 3 lbs., 2 lbs., 12 oz.  
 Detachable Steel Prongs. Malleable Head. Extra High-Grade Handles.

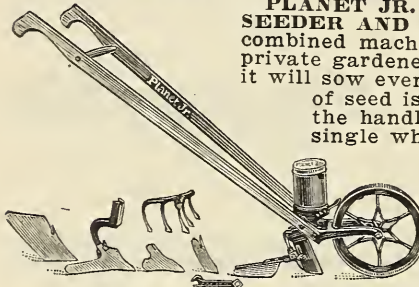
Planet Jr. Tools are the greatest savers of time, labor, and money ever invented for the farm and garden. They pay for themselves in a single season in bigger and better crops, and last a lifetime. Fully guaranteed.



**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, \$19.50  
**No. 4-D** (As a Seeder only), \$15.50.



**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, \$23.00.



**PLANET JR. No. 31 COMBINED DRILL SEEDER AND SINGLE WHEEL HOE**—A combined machine at a low price for the private gardener. The index is easily set, it will sow even a packet of seed and flow of seed is stopped by simply raising the handles. Also can be used as a single wheel hoe. Illustration shows the cultivating attachments. Price, \$13.00.

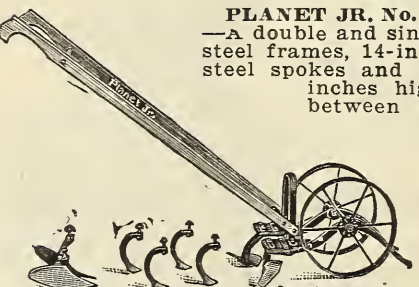


**No. 33 PLANET JR. SINGLE WHEEL HOE**—Just the thing for the family garden. Young or old will find in this tool a light-running wheel hoe that will save them hard work and help much to supply the table with fine vegetables, can be operated by a lady or child with ease. All complete like illustration.

**72-PAGE PLANET CATALOGUE FREE**

Describes 70 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard and Beet Cultivators. Write postal for it.

Price, \$6.50.



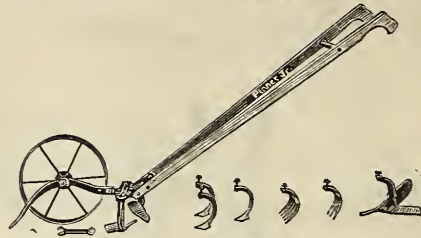
**PLANET JR. No. 12 DOUBLE WHEEL HOE**—A double and single wheel hoe in one. Has steel frames, 14-inch steel wheel with heavy steel spokes and straddles crops until 20 inches high. Then can be worked between rows with one or two wheels. Does the work of six men with ordinary hand hoes. The attachments will all be found useful from the beginning to the end of the season. Price \$12.50.

**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, \$16.00.

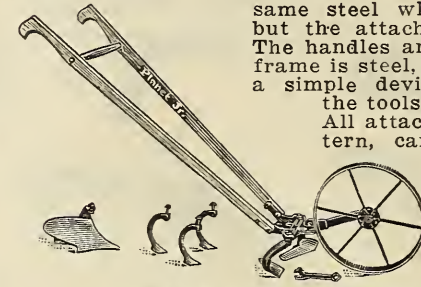
**No. 13 PLANET JR.**—Only equipped with one pair of 6 inch hoes. Price, \$9.00. The No. 12 is the most popular tool.

**No. 14 PLANET JR.**—Double and Single Wheel Disc Hoe, Cultivator and Plow. Price, \$14.00.

Do not forget to order that bag of sheep manure, with your spring order, it will do your garden as much good as a cart load of green manure.



No. 16 Single Wheel Hoe.

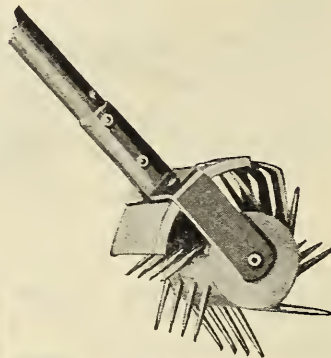


No. 17 Single Wheel Hoe.

**PLANET JR. No. 17 SINGLE WHEEL HOE.** Price, \$8.75.

**No. 17 1/2 PLANET JR.**—Same as No. 17, but has no plow, but in addition has a leaf lifter. Price, \$7.60.

**No. 18 PLANET JR.**—Only equipped with one pair 6-in hoes. Price, \$6.25.



**M. & S. Porcupine Cultivator**—Must be seen to be appreciated. Fine for running over lawn, before applying seed and fertilizer. Made very strong and durable. Price \$5.00.

**No. 66 PLANET JR. SLIDE HOE**—Price \$3.25.

**No. 65 SLIDE HOE**—Price \$6.50.

**PLANET JR. STAR PULVERIZER**—Price \$6.50.

**PLANET JR. GRASS EDGER**—Price, \$6.50.



**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 centre 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, \$5.50



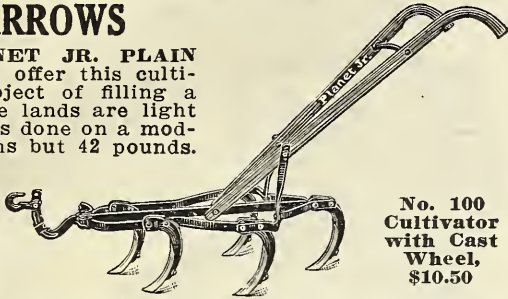
**"FIREFLY" GARDEN PLOW**—Very useful for small gardens. Will throw a furrow 4 to 6 ins. wide and 1 to 3 ins. deep, and deeper by going twice. Furrows for manure or seed can be opened and covered. Chicken raisers find it of great advantage in plowing up the scratching yards.

Price, \$4.50.

Be sure and write for our 1922 Free Fall Garden Book. It tells you how to raise bulbs in and out doors.

## 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, \$8.75.

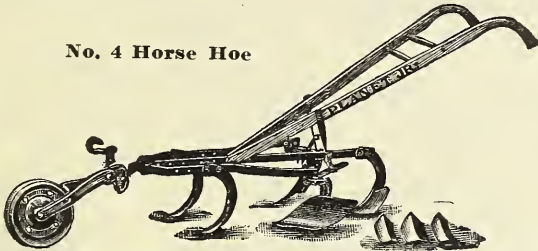


**No. 100 Cultivator with Cast Wheel, \$10.50**

**No. 4 PLANET JR. PLAIN 5-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. 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. 4 Horse Hoe**

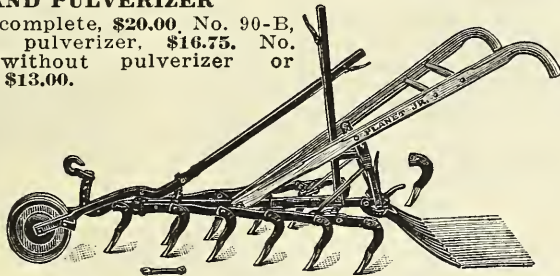


**No. 9 PLANET JR. HORSE HOE AND CULTIVATOR**—Identical with the above, but has lever expander. Price, with steel wheel, \$17.00; without wheel, \$14.75.

**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, \$18.50.

**PLANET JR. TWELVE-TOOTH HARROW CULTIVATOR AND PULVERIZER**

No. 90, complete, \$20.00. No. 90-B, without pulverizer, \$16.75. No. 90-D, without pulverizer or wheel \$13.00.

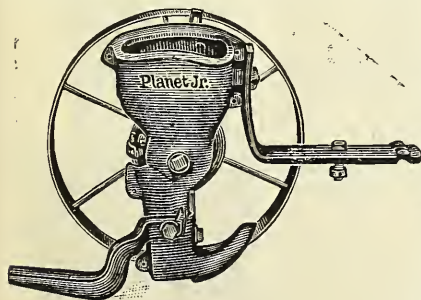


The chisel-shaped teeth on this tool go as deep or shallow as you like, close to row, without injuring plants, cut out all weeds, stir the soil and mellow and fine it as with a garden rake. Any width from 12 to 32 in. The wheel won't clog; the pulverizer leaves the ground in perfect condition for seeding or plant setting.

**Planet Jr. Cultivator Teeth.**

Price		Price	
1 1/4 x 8 in. Steels.....	\$0.18	1 1/4 x 10 in. Steels.....	\$0.24
1 3/4 x 8 in. Steels.....	.21	1 3/4 x 10 in. Steels.....	.26
2 1/4 x 8 in. Steels.....	.24	2 1/4 x 10 in. Steels.....	.32
3 x 8 in. Steels.....	.28	3 x 10 in. Steels.....	.40
4 x 8 in. Steels.....	.34	4 x 10 in. Steels.....	.44

"Planet Jr." 7 inch Hind Shovel 40c.; "Planet Jr." 8 inch Hind Shovel, 44c.



Attaches to any Planet Jr. Hand Cultivator sent postpaid, price, \$6.50.

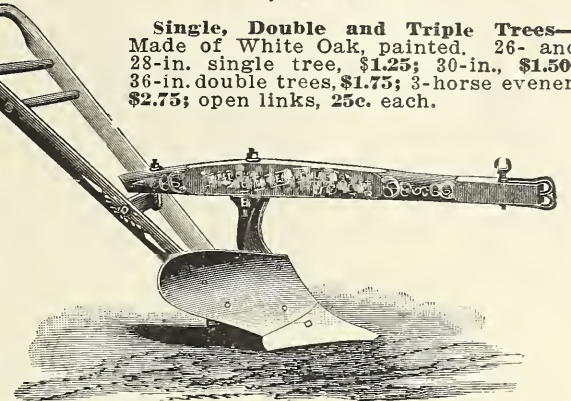
**The Midget Seeder** sows the seed and covers up, all in one operation. It is inexpensive, and with ordinary care will last a lifetime. It is sold with handle complete, or may be easily attached to almost any wheel cultivator. Weight, 6 lbs. Price, \$5.00.

**The Planet Seeder Attachment** will pay for itself in a short time because it saves seed by sowing accurately. Sowing by hand wastes seed. 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 5-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 coverer swings free.

## PLOWS, CULTIVATORS, REPAIRS, ETC.

**Single, Double and Triple Trees**—Made of White Oak, painted. 26- and 28-in. single tree, \$1.25; 30-in., \$1.50; 36-in. double trees, \$1.75; 3-horse evener, \$2.75; open links, 25c. each.

**Oliver Pattern Wood and Steel Beam Plows**—In fit, quality and finish, guaranteed the equal of the best. List price for Oliver Pattern Plows and repairs:



	Wood Beam Plow	Steel Beam Plow	Shares	Slip Shares	Lands	Mould-boards	Wood Beams
No. A	\$ 8.75	\$ 8.75	\$0.35	\$0.45	\$0.60	\$2.00	\$3.50
No. B	9.50	9.50	.40	...	.90	2.75	3.50
No. 10	11.75	12.75	.50	.65	.90	3.00	3.50
No. 13	13.25	14.25	.55	.70	1.20	3.75	3.50
No. 19	14.75	15.75	.60	.75	1.30	4.00	3.75
No. 20	16.50	17.50	.75	.90	1.30	4.00	3.75
No. E	19.00	...	.75	.90	1.30	4.25	3.75
No. 40	19.00	20.00	.80	.95	1.30	4.75	3.75

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, \$2.25; Jointer, complete, \$4.00 Steel Beam Jointer \$5.00.

Handles, complete, for Wood Beam, A to 10, \$1.85; 13, \$2.00; 19 to 40, \$2.50.

Single Handles, 75c. 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.

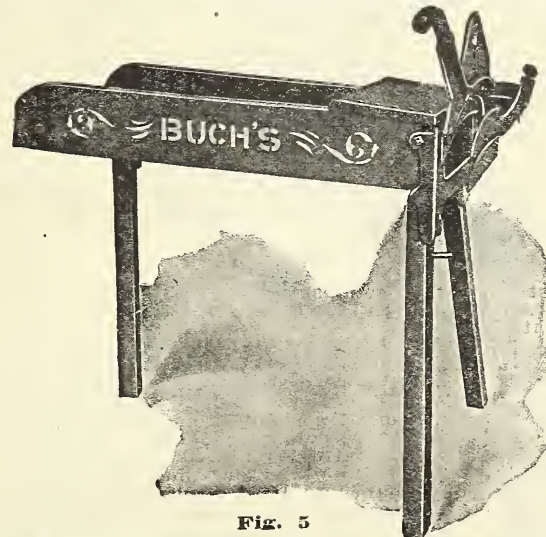
Single Shovel Plow, \$5.25. Double Shovel Plow, \$6.00. Triple Shovel Plow, \$7.00.

### CULTIVATOR TEETH AND REPAIRS

	Price		Price
Diamond Point, 1 1/4 in....	\$0.15	Horse Hoe Steels, R.&L. each	\$0.40
Diamond Point, 2 in.....	.16	Turn Shovels, R. & L., each	.35
Diamond Point, 2 1/2 in....	.17	Cultivator Clamps.....	.50
Diamond Point 3 in.....	.18	Set Screw Cultivator Clamps	.50
Diamond Point, 4 in.....	.20	Cultivator Handles, Complete	1.10
Oval or Jersey.....	.19	Single Handle	.90
Frame and Teeth Bolts...	.05		

## FEED, CLOVER AND ROOT CUTTERS

PRICES SUBJECT TO CHANGE WITHOUT NOTICE ON ALL MILLS AND CUTTERS



**Fig. 5**

**BUCH'S HAND LEVER FEED CUTTER**—Fig. 5. This cutter is simple, durable and low priced. It has a 11-in. tempered curved knife which can be adjusted to any length of cut desired up to 3 in.; cuts either green or dry fodder. Price, \$6.75.

**CLOVER CUTTER**—Price with the balance wheel, \$15.00; with the balance wheel and iron stand, \$17.50.

**BANNER ROOT CUTTER No. 7**—A practical Machine for Cutting and Preparing Roots, Vegetables for Feeding Poultry. Price, \$6.50.

# M. & S. Hand Seeders and Miscellaneous Supplies

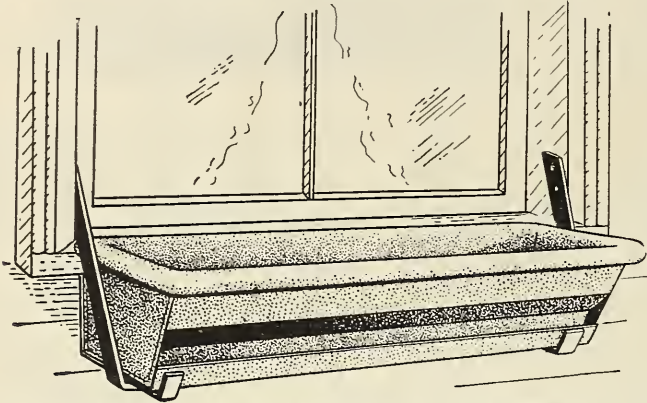
## M. & S. SUCCESS SELF-WATERING WINDOW BOXES

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 pocket runs the full length of the box. 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.



The top edges have an attractive rolled finish. They are made in a number of lengths to suit different places and purposes, and may be equipped with brackets for securely fastening them to window sills or hanging below them, also to porch rails.

Length, Inches	Width, Inches	Depth, Inches	Weight Pounds	Each
24	8 1/2	6 1/4	6	\$1.75
30	8 1/2	6 1/4	7	2.00
36	8 1/2	6 1/4	8	2.85
42	8 1/2	6 1/4	10	3.75
12	12	8 1/4	5	2.25

### Brackets for Window Boxes

No.	Description	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

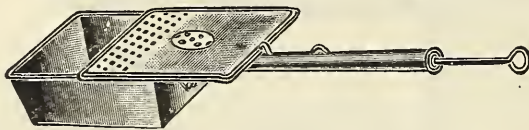


## POP CORN

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., 10c. Special price in quantity.

## SHEET-IRON CORN POPPER



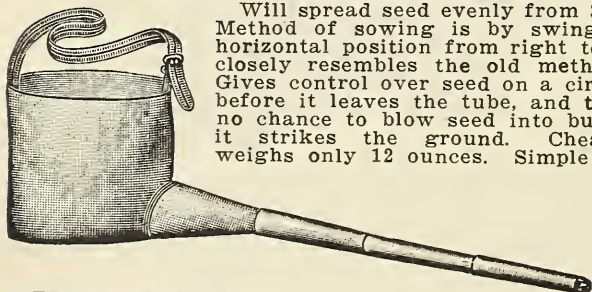
Parcel Post weight, 2 pounds.

M. & S. All Wire Corn Popper.—Capacity 1 qt. 35c. Parcel Post weight, 1 lb.

## M. & S. TIN HORN SEEDER

Will spread seed evenly from 30 to 40 feet. Method of sowing is by swinging tube in horizontal position from right to left, which closely resembles the old method by hand. Gives control over seed on a circle of 8 feet before it leaves the tube, and the wind has no chance to blow seed into bunches before it strikes the ground. Cheap, durable, weighs only 12 ounces. Simple; no repairs.

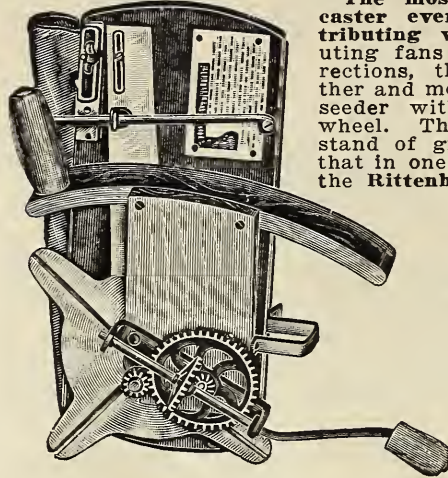
Will sow 60 acres per day of clover, timothy, millet, alfalfa, etc. Price, 75c.



Parcel Post weight, 1 lb.

## 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. Parcel Post weight, 6 lbs.

SEGMENT CORN PLANTER—Sliding Feed. Price, \$2.50. Parcel Post weight, 6 lbs.

Picking Baskets—1/2 bushel size, 45c. each.

White Oak Baskets—Side handled, 1 bushel. \$1.40.

Splint or Chip Baskets—With handle, 1/4 bu. size, 15c.; 1/2 bu. size, 20c.

Pea Bags—Used by Anne Arundel farmers for bringing peas and beans to market. For quantities write for price.

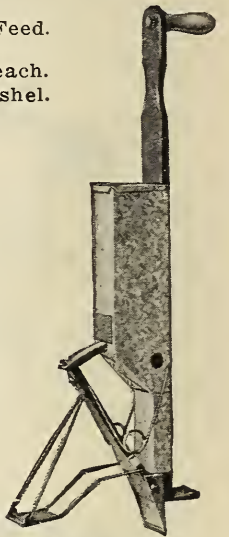
Strawberry Boxes—1 qt. size, 10c. doz.; per 100, 75c. Per 1,000, prices furnished on application.

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, 4 1/2 ft., price 50c.

Back Bands—Cotton duck with snaps 42 in., 75c. each; Same with Loop 50c. each.



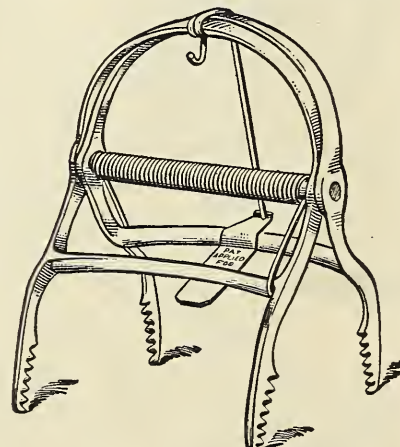
Segment Corn Planter

## RITTENHOUSE MOLE TRAP

Fig. 21

The simplest, safest and surest mole trap ever invented. Self-setting. No danger of its going off unless the trigger is touched. Made of all steel and tinned. The spears are spring steel, therefore, do not have to be as long as soft steel. Price, \$1.00. Parcel Post weight, 3 lbs.

## OUT-O-SIGHT MOLE TRAPS



Out-o-Sight Mole Trap

The most complete in existence. \$1.25 each; doz., \$13.50. Parcel Post weight, 3 lbs.

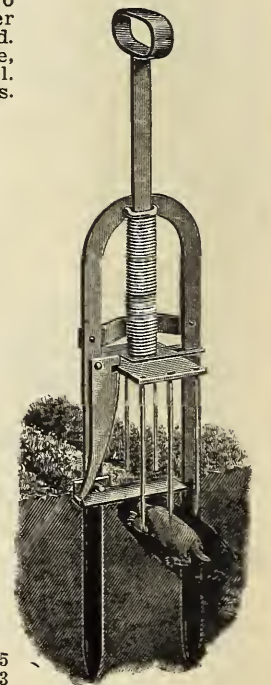


Fig. 21.



## RUBBEROID ROOFING

When you want a smooth surfaced Roofing for your House, Barn, Garage, Factory, Warehouse, Sky-scraper, Church, Apartment Building, or Farm Building get

### GOLD MEDAL

—guaranteed, 5, 10, or 15 years for 1, 2, or 3-ply respectively—The Gold Medal label on the Roofing stands for a definite guaranteed service—a protection for you. Why try to save a dollar or two by putting on a cheap Roof that is not guaranteed, when you can buy Gold Medal for just a little more money and get much longer service on your Roof. In the long run it's less expensive to buy Gold Medal.

1-ply 108 square feet.....	\$2.00
2-ply 108 square feet.....	2.75
3-ply 108 square feet.....	3.50

## GEM ROOFING

This roofing is offered as a good average quality product. It will give good service on the roof. Where the highest quality roofing is not necessary this product is recommended.

1-ply 108 square feet.....	\$1.75
2-ply 108 square feet.....	2.00
3-ply 108 square feet.....	2.50

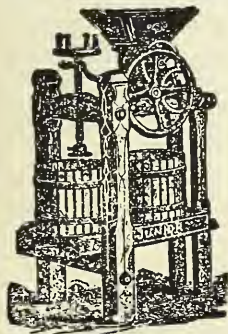
Prices on Roofing Subject to Change Without Notice.

## 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. Similar to the wine and cider mill illustrated, only it is larger and will take larger apples, and, being a geared mill, will do much more rapid work. Price, \$18.50.



Cider Mill

**Junior**—Capacity, 2 to 4 barrels per day. \$30.00.

**Medium**—Capacity, 6 to 8 barrels per day, \$40.00.

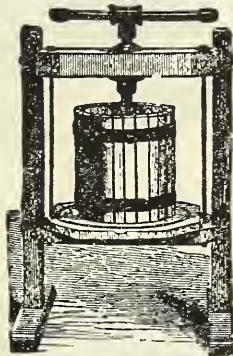
**Senior**—Capacity, 6 to 12 barrels per day, \$45.00.

**Wine, or Berry Presses**—Made of best quality wood, carefully bolted and finished.

**No. 1**—Capacity, 1 peck, \$8.00.

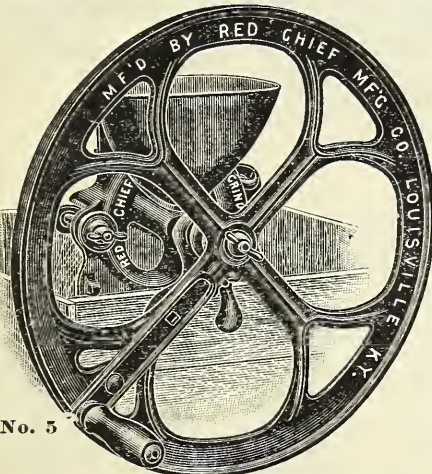
**No. 2**—Capacity, 2 pecks, \$10.00.

**No. 3**—Capacity, 4 pecks, \$16.00.



Wine Press

**MANN'S GREEN BONE CUTTERS**—Prices on application.



No. 5

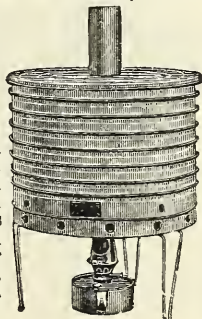
**"Red Chief" Grinding Mill**—No. 1. For cracking corn, wheat and other grains. Price, \$4.00. Parcel Post weight, 10 lbs.

**"Red Chief" No. 5.** Like above but has fly-wheel and larger capacity. Price, \$7.75. Weight, 20 lbs.

**"Red Chief" Grinding Mill**—No. 10. This mill has greater capacity than the No. 5 Mill, and makes an excellent coffee and spice mill for grocers or family use, as well as being a very rapid grinder of chicken feed or meal. Weight, 35 lbs.; capacity, 2 to 4 bus. per hour. Price, \$9.50, with stand.

## SANITARY FRUIT AND VEGETABLE EVAPORATOR

A practical machine for drying all kinds of vegetables and fruits for home use. A patriotic duty. The National Food Garden Commission says: "Drying vegetables and fruits for winter use is one of the vital national needs. As a national need it becomes a patriotic duty. As a patriotic duty it should be done in every family. Send in your order for one, and it will pay for itself this Fall. Price, complete, with lamp, \$3.00. Postpaid.



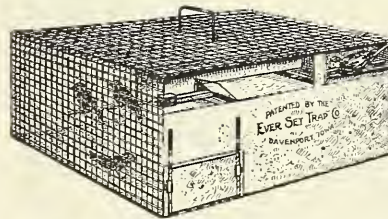
## LIQUID CEMENT

**Seal Proof Liquid Fibre Cement**—A protective coating for roofs and metal siding. Absolutely water-proof, sun-proof, weather-proof. This preparation is a heavy rubberlike compound especially adapted for the coating of paper, composition, or metal roofs. Apply with a brush, it will not run, sag or blister. Price, \$1.50 per gal. 5 gals., \$8.00. Bbl. lots at \$1.00.



## THE EVER-SET SPARROW TRAP

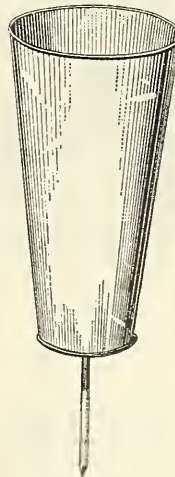
Will reduce the sparrow pest on your property to a minimum. The Ever-Set Trap is entirely automatic in action; simply set trap in your garden, poultry yard, or other spot frequented by sparrows. Bait with grain or chicken feed. The first sparrow caught acts as a decoy to others and in a very short time the entire sparrow population near your property is either caught or frightened away. One Ever-Set Trap caught 1,529 sparrows from June to October in a city yard. Think of the damage these pests could have done in five months. 50 sparrows will eat a bushel of grain a month.



The Ever-Set Trap is strongly constructed from 5/8 inch galvanized hardware cloth. In ordinary use it is practically indestructible. It costs nothing to operate, there is nothing to get out of order. The trap comes complete with full instructions for use and a receiving cage for removing the captured sparrows. The English sparrow must go. State and National governments, farmers, fruit growers and poultry raisers have declared war in earnest. The counts against the sparrow are many, the destruction of grain, fruits and young vegetables, the driving away of the useful native songbirds, and the filthy condition of buildings where sparrows nest will not be tolerated. The Ever-Set Trap is the easy, safe way to get rid of these pests. Sent postpaid, Price, \$5.00.

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"Red Chief" Corn Sheller

**"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 \$3.00. weight, 12 lbs.

**CEMETERY BOUQUET HOLDERS**—5x9 1/2 ins., 30c. each, postpaid.



**RATS AND MICE DESTROY MILLIONS OF DOLLARS WORTH OF FEED. GET RID OF THESE RODENTS BY USING VICTOR RAT AND MICE TRAPS.**

**Victor Rat Traps**—20c. postpaid.

**Victor Mice Traps**—5c. each; add 2c. for postage.

**The Faultless Rat Trap**—This trap will catch and kill them every time. 50c. each. Parcel Post weight, 1 lb.





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. a piece. 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. 65c., postpaid.

Kow-Kare—Valuable for run-down cows. 65c. and \$1.30., Postpaid.

Calf Meal—The best milk substitute. 1 lb., 8c.; 25 lbs., 75c.; 50 lbs., \$3.25; 100 lbs., \$6.50.

SAL-VET

The Great Worm Destroyer—The Great Live Stock Conditioner.

SAL-VET is a medicated salt—a safe, simple, inexpensive remedy which gives stock the medicines they need along with the salt they crave. It requires no dosing, no drenching, no starving. It goes into the stomach and intestines and loosens the worms. It drives the robbers out—without bother or trouble to you. Your animals eat SAL-VET in place of common salt and thus doctor themselves.

- 5-lb. package "Sal-Vet" .....at \$ .75 each
15-lb. packages "Sal-Vet" .....at \$1.65 each
40-lb. packages "Sal-Vet" .....at \$3.60 each
50-lb. Pail "Sal-Vet" .....at 4.00 each
100-lb. kegs "Sal-Vet" .....at 7.50 each
200-lb. barrels "Sal-Vet" .....at 13.50 each
300-lb. barrels "Sal-Vet" .....at 18.00 each
Sal-Vet Hog Oil—5 gallon. \$4.00.



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.

Pratt's Healing Ointment—For man or beast box 30c. and 60c. Parcel Post weight 1 lb. each.

\*Pratt's Healing Powder—For harness galls. 30c. Parcel Post weight, 1 lb.

\*Pratt's Veterinary Colic Remedy—Bottles, 75c. and \$1.50 Express only.

\*Pratt's Distemper and Pinkeye Remedy—Bottle, 70c. Express only.

\*Pratt's Heave Cough and Cold Remedy—Price, 50c. Parcel Post weight, 1 lb.

\*Pratt's Cow Remedy—Pkg., 60c. and \$1.20; 12-lb Pail, \$2.75; 25-lb Pail, \$5.00.

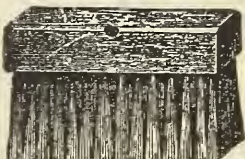
\*Pratt's Bag Ointment—40c. and 80c., postpaid.

\*Pratt's Hog Tonic—Pkg., 50c. and \$1.00; also in 25, 50 and 100-lb. bags. Price \$3.00, \$5.00 and \$10.00, 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. Price each, 30c.

BITTER LICK MEDICATED Salt Brick



DAZEY GLASS FAMILY CHURN

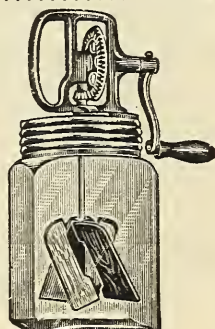
Fig. 2. Easy running, easy to clean, produces the finest butter that can be made.

No. 20G, churning 1 qt., \$2.00; No. 30G, 1 1/2 qts., \$2.25; No. 40G, 2 qts., \$3.00. Add 25c. each size if to be sent by Parcel Post.

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.



PRATT'S FLY CHASER

MORE MILK! MORE MONEY!!

Cows will give 15 to 20 per cent. more milk if protected from the torture of flies with Pratts Fly Chaser. Kills flies and all insects; protects horses as well as cows. Perfectly harmless to man and beast. Guaranteed to satisfy, Price, 2 qts., 85c. 1 gal. \$1.35; 5 gal., \$5.85; 10 gal., \$11.30; 30 gal., barrel, \$32.75; 50 gal., barrel, \$52.50. Sprayer for applying 40c. 75c. and up.

'Star' Cooler Cream Separator—Two cans, one inside of the other. The inner can is for milk and the outer can for water. Great labor saver. The outer cans are painted and decorated. No. 000, 14 qts., with strainer cover.. \$5.50 00, 20 qts., with strainer cover.. 6.00 01, 25 qts., with strainer cover.. 6.75 01 1/2, 35 qts., with strainer cover.. 7.75 02, 48 qts., with strainer cover.. 8.25 03, 64 qts., with strainer cover.. 10.00

'Star' Gravity Cream Separator—Fig. 1. Like the above, but only one can. Made of the very best XXXX tin. The milk is mixed with equal quantity of water. Get cream in two or three hours. Not painted.

No. 0, 24 qts., with strainer cover... \$4.00 0 1/2, 32 qts., with strainer cover... 4.50 1, 48 qts., with strainer cover... 5.00 1 1/2, 64 qts., with strainer cover... 5.50 2, 88 qts., with strainer cover... 6.00 3, 118 qts., with strainer cover... 7.50

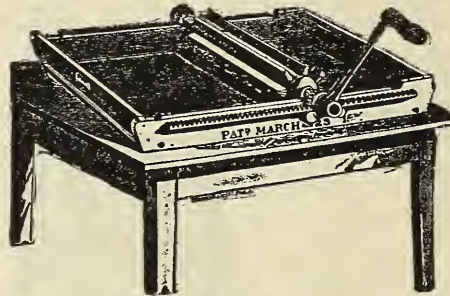
Price on Milk Cans, Pails and other Dairy Supplies on application.



Fig. 1

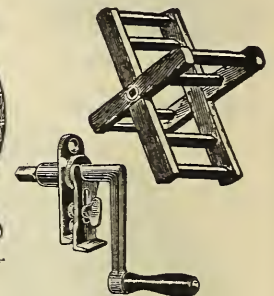
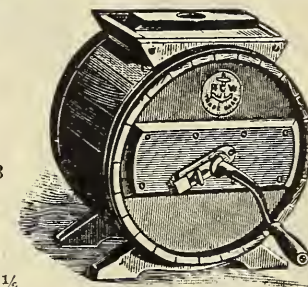
Reid's Butter Worker—This machine acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain. Made of the best material; iron parts galvanized, preventing rust.

- No. 1—Cap. 50 lbs. \$20.50
No. 2—Cap. 30 lbs. 16.25
No. 3—Cap. 20 lbs.. 14.50
No. 4—Cap. 10 lbs.. 12.50



IMPROVED CEDAR WOOD CYLINDER CHURN

- No. 1—3 gal. \$4.25.
No. 2—4 gal., \$4.75.
No. 3—7 gal., \$5.50.
No. 4—10 1/2 gal., \$6.50.



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. 1/2-lb. Sheaf of Wheat Print, \$1.25; weight, 1 lb. 1-lb. Sheaf of Wheat Print, \$1.50; weight, 2 lbs. 1/2 lb. Special Prints, carved with Initials, on application.

SEELEY PATTERN BUTTER PRINTER. Furnished with sheaf of wheat. Movable block. 1/2 lb., 75c. Weight, 1 lb. 1 lb., 90c. Weight, 2 lbs.

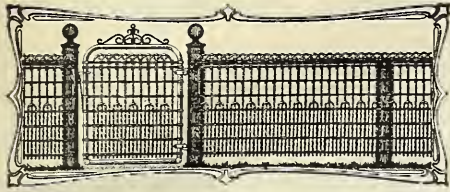
LADLES AND SPADES

4x12 Butter Spade, 25c. No. 1 Butter Ladle, 25c. Lafayette Butter Printer and Table—Either pound or half-pound size, with table, \$33.00; without table, \$15.00. Initial or monogram. Large letters, \$1.00 each; small letters, 50c. each. 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.

# Waukegan-Cyclone and American Sanitary Wire Fencing

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



Style F Cyclone Fence

72 inches furnished. Price furnished on application.  
 Price per lineal foot, Style "F," 36 in., 22c.; 42 in., 24c.; 48 in., 28c.; Full 20 Rod Rolls less 10%; three-foot ornamental walk gates to match; three heights of fence, \$4.50 each.

## 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.

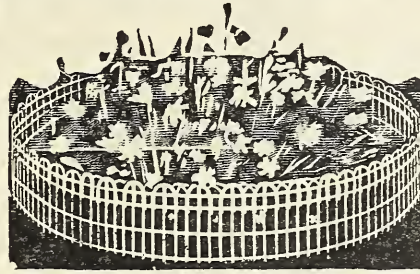
Heights, 36 in., 42 in. and 48 in. Three-foot opening.

PRICE, \$3.80. Either size.

Single Ornamental Drive Gate, 12 ft., height 30, 36, 42 or 48 in. Price, \$14.00; either size.

Double Ornamental Drive Gate, 12 ft., height 30, 36, 42 or 48 in. Price, \$15.60; either size.

Style "F" is our most popular sanitary wire fence. Pickets are all No. 9 heavily galvanized wire spaced 1 3/8 in. apart at bottom, 2 7/8 in. at top, making fence absolutely chicken tight. Regular heights are 36 in., 42 in. and 48 in. Other heights up to



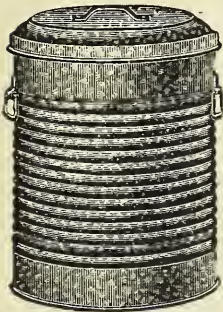
## PERFECTION FLOWER-BED BORDER

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., 11c.; 22 in., 13c.; 28 in., 15c.

## STORAGE OR ASH CAN

Galvanized, deep cover, rat and damp proof. 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.

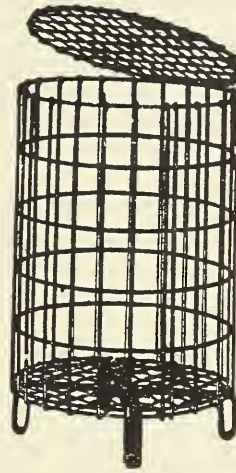


Fig. 1

## WIRE TRELLIS—FIG. 2.

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. Style, single.

Price per lineal foot, 18 in., 14c.; 24 in., 16c.; 30 in., 18c.

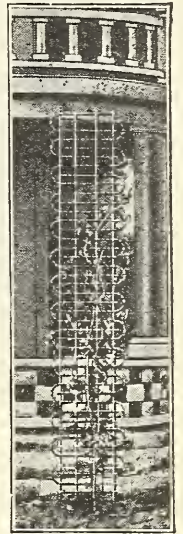


Fig. 2

Villa Ricou,  
 Lake Ave.,  
 Mt. Washington, Md.  
 Meyer-Stisser Co.,  
 32 Light St.,  
 Baltimore, Md.

Gentlemen:—The M. & S. Giant Stringless Green Pod Beans are not misnamed. After raising other standard species with varying degrees of success and failure I planted for a trial one quart of your Giants in the mid-summer of 1919.

There is no other bean quite so good.

Sincerely yours,  
 Jno. Sylvester Smith.  
 October, 28, 1920.

## RUBBISH CONSUMERS—FIG. 1.

Burns waste paper, rubbish and all combustible materials without scattering and without danger from fire.

Made of large heavily galvanized wire with reinforced bottoms and sides, and inside iron rings.

STYLE A—Made in Four Sizes.

No. 1—Height, 20 in.; diameter, 14 in.; weight, 5 lbs. Price, \$1.50.  
 No. 2—Height, 24 in.; diameter, 15 in.; weight, 7 lbs. Price, 1.75.  
 No. 2 1/2—Height, 30 in., diameter, 18 in.; weight, 9 lbs. Price, 2.25.  
 No. 3—Height, 35 in.; diameter, 20 in.; weight, 11 lbs. Price, 3.00

## DIAMOND MESH POULTRY NETTING

Put up in rolls of 150 running feet. Galvanized after weaving. Either

Galvanized after 2-in 20	1-in. 20
12 inch. ....	\$1.50 .... \$3.50
18 inch. ....	2.15 .... 5.00
24 inch. ....	2.75 .... 6.25
30 inch. ....	3.25 .... 7.50
36 inch. ....	3.75 .... 8.50
48 inch. ....	5.00 .... 11.50
60 inch. ....	6.25 .... 14.25
72 inch. ....	7.25 .... 17.25

2 inch less than roll lots 2c. square ft., 1 inch, 3 1/2c. Price subject to change without notice.

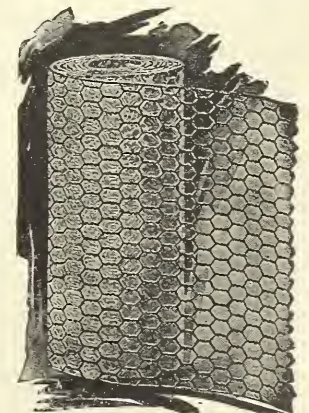
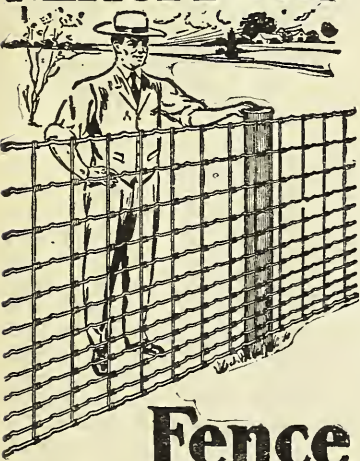


Illustration of 2-inch Diamond-Mesh Poultry Wire

Poultry Wire Staples, 15c. per lb.  
 Hardware Cloth—For lining corn cribs, poultry houses, etc., put up in rolls of 100 running feet. Rat and bird proof. 24 in., 30-in., 36-in., 48-in. Price furnished on application. Less than roll lots, 7c. per square foot.

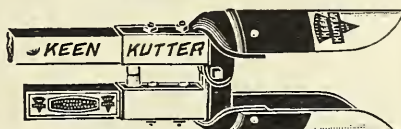
Prices on all kinds of wire and steel goods subject to change, without notice.

# American



## Fence 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.



"Keen Cutter" Posthole Digger Price, \$3.00.

## "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., \$7.75; 53-in., \$8.25; 58-in., \$8.75.

AMERICAN GALVANIZED STEEL FENCE POSTS AND GATES. Prices on application. Send for Special Descriptive Catalogue and Prices.

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. .... \$6.00  
 832x6 . 165 ft. .... 7.00  
 949x12. 165 ft. .... 6.00  
 1158x12. 165 ft. .... 7.25

Mrs. R. H. Evans, of Kribi, Cameroun, West Africa (150 miles south of the Equator), writes that M. & S. seeds turned out fine.

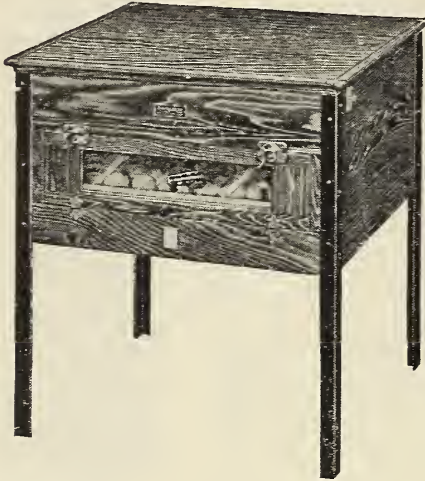
# M. & S. Poultry Department

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 back inside cover page).

## Lectro-hatch

### ELECTRIC INCUBATORS

Use a Lectro-Hatch Electric Incubator and say good-bye to work and worry in hatching. It eliminates the watching of lamps or stoves and automatically holds the heat at the desired



temperature throughout the hatching period. Its steady, even heat, pure air and perfect ventilation mean more and better chicks. You void all danger from fire or explosion with a Lectro-Hatch.

#### Even Heat, Pure Air.

Electric hatching has been pronounced superior by leading poultrymen and the foremost poultry experts because it insures even heat without continual watching. There is no smoke or gas to stunt or kill the embryo chicks. You have additional assurance of a continuous supply of fresh air because the electric controller box in the incubator creates

ozone or oxygen, which is the life-giving element in air.

#### More and Better Chicks.

With the Lectro-Hatch it is not unusual to get chicks from more than 75 per cent of the fertile eggs. Lectro-Hatch users say their chicks are as strong and sturdy on the first day as ordinary chicks from four days to a week old. Because of perfectly normal development in the shell electrically hatched chicks are less subject to baby chick diseases.

#### Easy to Operate.

A Lectro-Hatch Incubator is as simple as ABC to operate. You do not have to know anything about electricity to run it. First 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. That's all there is to it. After you make the first temperature adjustment the Regulator, which is an exclusive feature in Lectro-Hatch Incubators, watches the temperature for you.

A Lectro-Hatch Incubator can be run from any kind of electric current and costs no more to operate than any other style of machine.

#### Lectro-Hatch Price List.

65-egg capacity, \$25.00; 150-egg, \$38.50; 300-egg, \$68.75; 600-egg, \$123.50.

The 600-egg size is used also as a sectional unit in a mammoth hatchery and can be arranged in decks or in series to suit the needs of any plant. Write us for special information on Lectro-Hatch equipment for mammoth hatcheries.

## Lectro-hatch Electric Brooder

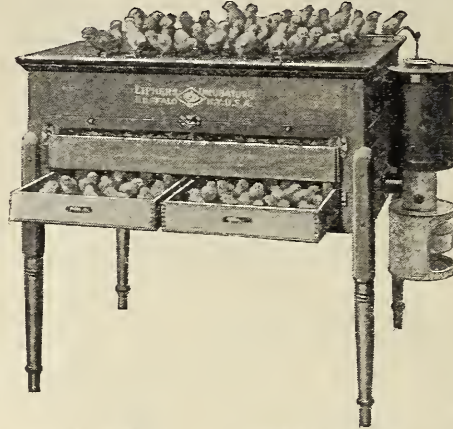
Just turn an electric socket button and the Lectro-Hatch Brooder begins to warm up. Same device to maintain constant, even heat as in Lectro-Hatch Electric Incubators. No danger of overheating or fire. No lamps to fill, no stoves to tend, no ashes to carry out. No muss or dirt. Lectro-Hatch Brooders really cost less to operate than other style brooders.



Lectro-Hatch Brooder, 150-chick capacity \$16.00; 500-chick, \$23.50.

IF IN THE MARKET FOR A MAMMOTH INCUBATOR, SEND FOR CATALOG.

## 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:

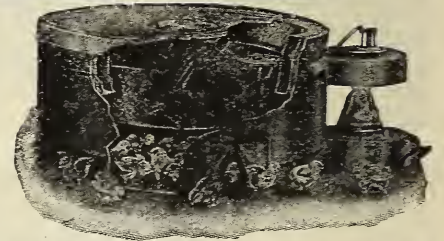
- No. 0—70 Eggs, \$33.00
- No. 1—144 Eggs, 42.00
- No. 2—244 Eggs, 56.00
- No. 3—390 Eggs, 69.00

Prices Subject to Change Without Notice.

## Simplicity Incubators

"HAVE NO COLD CORNERS"

Yes, sir! Cold corners and cold side walls in old style incubators don't give your eggs a fair chance! If five eggs out of every hundred don't get proper heat it means an appalling loss to poultry raisers each year! A loss of time—valuable hatching eggs—high-priced oil—and of poultry that is needed so badly for food!



This loss is entirely unnecessary! Simplicity Incubators have no cold corners or cold side walls! Side walls are actually heated. The big circular hot-water radiator entirely surrounds egg chamber! Heats from side walls to center! That's why EVERY EGG has a chance! That's why it is both the

#### CHEAPEST AND BEST INCUBATOR

you can buy! Order direct from this advertisement—or if you prefer, ask for the FREE Simplicity book!

- 50-Egg Simplicity Incubator, copper tank.....\$15.00
- 100-Egg Simplicity Incubator, copper tank..... 17.50

## THE PEEPY GEM INCUBATOR

This is a low-price 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, \$12.00.

## PRACTICAL POULTRY BOOKS ALL POSTPAID

The Campines, 75c.; The Orpington, 75c.; Rhode Island Reds, 75c.; Successful Back Yard Poultry Keeping \$1.00; Artificial Incubating and Brooding, \$1.00; The Plymouth Rocks, Wyandottes, Leghorns, each, \$1.00; Asiatics, 50c.; Poultry House and Fixtures, \$1.00; Chick Book, 50c.; Ducks and Geese, 75c.; Turkeys, Their Care and Management, 75c.; Use of Artificial Light to Increase Winter Egg Production, \$1.50; Profitable Culling and Selective Flock Breeding, \$1.50. How to Feed Poultry for Any Purpose With Profit, \$1.25. The Fundamentals of Poultry Breeding, \$2.00. A to Z of Pigeons, 75c.; Rabbit Culture and Standard, 50c.; Town Lot Poultry Keeping, 50c.

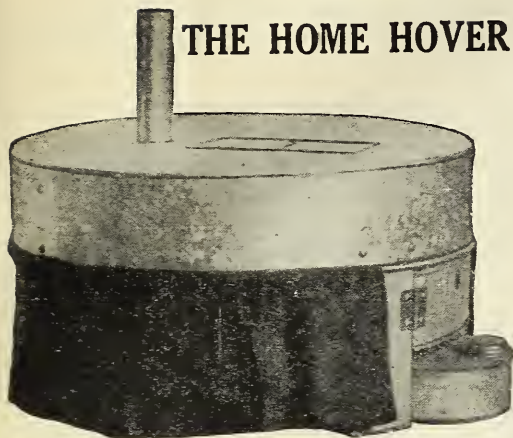
The Standard Book of Perfection—Everybody who raises poultry should have one of these books. Price, \$2.75.

Reliable Poultry Journal—A monthly practical poultry magazine; one year's subscription, \$1.00.

Poultry Item—Yearly subscription, \$1.00.

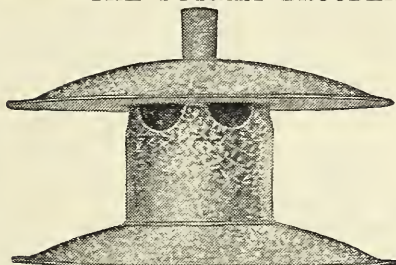
# Complete Line of Incubators and Brooders

## 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 post paid.

## THE PUTNAM BROODER



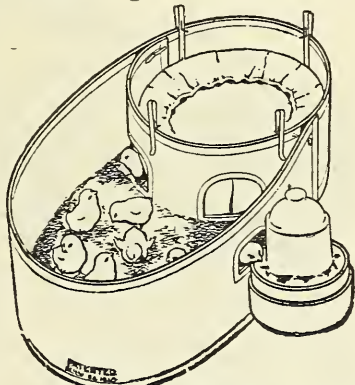
This is used to heat a home-made brooder, which will take the best of care of from 30 to 60 chicks. Instructions for making brooder packed with every heater. A boy can make the brooder in an hour with saw and hammer. The materials need not cost over 25c. The Putnam Brooder Heater holds one quart of oil 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, post paid. Illustrated circular on request.

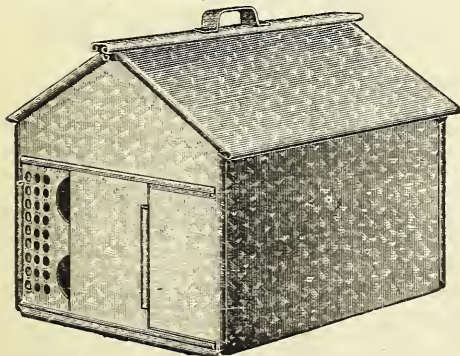
## THE "LULLABY" BROODER

Is positively the most simple brooder on the market, and yet it is built on lines true to nature, which insures the raising of nearly every chick entrusted to its care. Made of corrugated pasteboard. Capacity, 25 chicks. Price, complete, \$2.00. Weight, 2 lbs.



"Lullaby" Brooder

**THE DELPHOS SUPERIOR GALVANIZED BROODER COOP**—Packed flat and can be put together without any tools. The bottom is elevated so chicks are not exposed to dampness, and it can be removed in an instant to be cleaned. All parts slide together in a bead and coop is perfectly rigid. Can be taken apart and packed away flat, occupying very little space when not in use. Rat and vermin-proof.



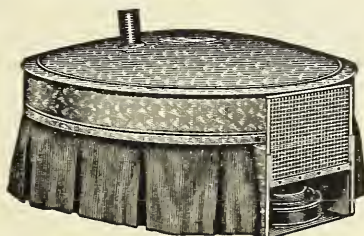
Price, \$3.25. Weight, 10 lbs.

## THE SIMPLICITY "COZY" HOVER

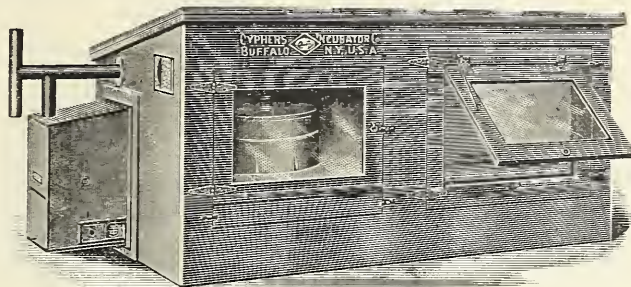
If you hatch chicks—either the Mother Hen Way—or the Incubator Way—I want you to read about this indoor hover! It's really got mother hen herself outclassed! No trampled—no lost—no crowded out chicks!

Our special new folder-catalog of hovers and brooders tells all about it. Cares for fifty to seventy-five chicks without crowding.

See this hover in our window with chicks. Write today for new folder-catalog describing it in detail! The price of the "Cozy" Hover is \$8.50.



## CYPHERS STYLE "B" OUTDOOR BROODER



Brooding chicks outdoors is robbed of most of its difficulties and inconveniences when Cyphers Brooders are used. They are substantial, well-built and comfortable, even when the thermometer drops to zero or below on cold nights. Cyphers Style B Outdoor Brooder is the best product of our twenty years' experience in outdoor brooder construction. Remember, it is not a question of price in buying brooders, it's a question of raising the chicks! Thousands of users have proved that this brooder will do it where others fail. Price, \$35.00.

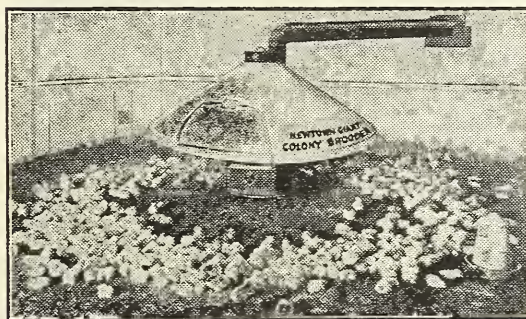
**Cyphers Adaptable Hover**—Which is the heating and hovering part of the above, \$18.00.

## CYPHERS CENTER LAMP PORTABLE HOVER

This is a Centre Lamp Hover. Built of galvanized iron and canvas curtains; the well-known Hover, which has been on the market for years. Capacity, 100 chicks. Price, \$13.50.

## NEWTON GIANT COLONY BROODER

THE ONE PERFECT BROODER



**Simplest, Safest and Most Economical**

It has thoroughly demonstrated its right to be called "The One Perfect Brooder" and is justly claimed to be superior to any Colony Brooder on the market.

In Operation, Showing 1,000 Chicks. Through years of practical tests and use under all conditions it has been brought to a point of perfection in the details of construction. The Newtown is not an experiment—it has made good. The purchaser of this time-tested Brooder runs no risk; he knows it will give satisfaction. More Newtowns are in successful operation than all other makes of coal-burning Colony Brooders combined.

- Size No. 6—Capacity, 200 to 300.....\$22.50
- 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
- No. 18—Oil Burning Blue Flame, Wickless Brooder Hover, diameter, 36 inches..... 20.00
- No. 25—Oil Burning Blue Flame, Wickless Brooder Hover, diameter, 52 inches..... 25.00

Send for Descriptive Catalogue.

## THE "BABIE" CHICK FEEDER (Patented)

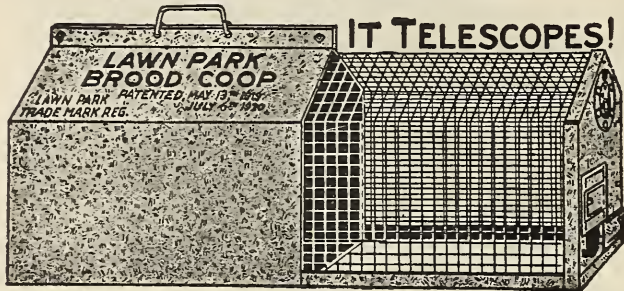


Made of best grade galvanized materials, it is rust proof and will last a lifetime. Will readily accommodate thirty to forty chicks at once. The feed is dropped through the top and the little chicks can eat and drink in contentment without being crowded or trampled by older fowls. It is so designed that it can be placed in front of the "Lawn Park" Coop and securely fastened to make an additional runway of two feet, or it can be used in connection with any brood coop, as the door of the feeder is so made that it will fit practically any brood coop, thus supplying a yard to the ordinary closed coop. Size 6 inches high, 18 inches wide and 24 inches long. Saves feed and chicks.

\$1.50 each. Shipping weight, 5 pounds.

# M. & S. POULTRY SUPPLIES

## BROOD COOPS FOR HENS WITH CHICKS PROTECTS THE CHICKS FROM HAWKS, RATS, WEASELS, VERMIN, COLD, STORMS, ETC. SAVES TIME, WORK AND WORRY

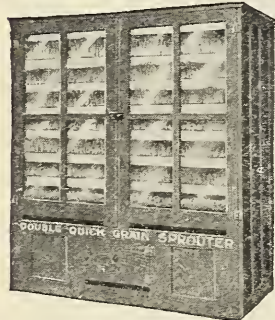
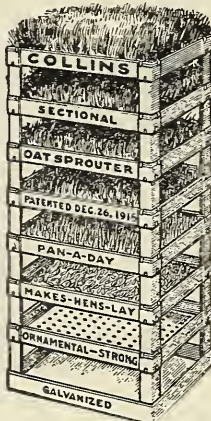


**IT TELESCOPES!**

The "Lawn Park" Brood Coop. Pat. May 13, 1919. It is made entirely of galvanized materials, will not rust, and absolutely protects chicks against rats, cats, dogs, hawks, vermin, cold, storms and all other chick enemies. The metal actually repels lice—that's important. The main part of the coop is made from heavy galvanized steel, while the park is made from strong galvanized wire screen, which has the edges neatly bound and strongly reinforced with galvanized steel. 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. The overhead damper ventilation system keeps the coop cool without chilling the chicks. The chicks saved on one brood will pay for one or more coops. Regularly packed in crates of six, but any quantity will be shipped promptly by freight or express upon receipt of the price, \$4.00 each.

## 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. Weight 8 Pans 11x15 the Popular Size..\$4.00 14 lb. 5 Pans 11x15 Small Back Yard Flock.....\$3.00 9 lb. 8 Pans 11x32 for Big Business..\$8.00 28 lb.



**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.

## NEWTON 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.....\$1.25
- One Complete Set of 2 Nests, 27x18x15 in.....2.00
- One Complete Set of 3 Nests, 40x18x15 in.....2.75
- One Complete Set of 4 Nests, 53x18x15 in.....3.50
- One Complete Set of 5 Nests, 67x18x15 in.....4.25

Your order for one or more Practical Trap Nests will receive our prompt attention. Send it now and do away with those birds that produce nothing and eat much.



**Mehler's Scraper**—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, \$1.25.

## 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. Parcel Post weight, 1 lb.

## THE FIRE-FLY EGG TESTER

It's Electric, equipped with the latest improved Tungsten Battery.—The most practical egg tester made. Shows condition of egg at a glance—no heat generated to injure the egg—no danger of fire or smoke. Dark-shelled eggs tested as easily as white. Will test fifteen to twenty thousand eggs without renewal of battery. No switch, no push button, both hands free. All you have to do is to place the egg in position. Price complete, \$3.50. A New Battery will be furnished for \$1.25; Lamp, 35c.; Lamp Socket, 10c. X-Ray Egg Tester—Price, 35c. each. Mailing weight, 1 lb.

## BREEDERS' MAGIC EGG TESTER

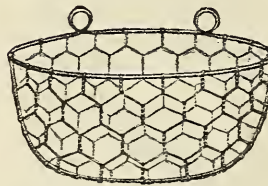
Is now universally used by poultrymen everywhere to select the strongest eggs for hatching BEFORE incubation. Requires no skill nor expense to operate—just a pair of hands and eyes. Tests 400 eggs per hour, and the greatest money saver in the realm of poultry supplies. Fully guaranteed, \$2.50 each.



**Zero Brooder Stove**  
Gas Burner for Incubators—Price, 50c. each, postpaid.

"ZERO" BROODER STOVE—Brooders all complete. Price, \$2.25. Weight, 3 lbs.  
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. Large size, 75c.; small size, 50c. Mailing weight, either size, 1 lb.  
Incubator Lamp Bowls without Burner Tank—Small size, \$1.15; Medium size \$1.25; large size, \$1.40.  
"Zenith" Chimneyless Brooder Lamp Burner—Price, 75c. Mailing weight, 1 lb.

## WIRE NESTS



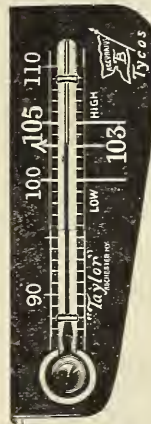
These nests are strongly made from coppered wire, reinforced with coppered steel ribs, and will last for years. They are intended to fasten to the wall with screws or screw hooks. There is no room on them for lodgment of lice or vermin of any kind; they are easy to keep clean, and are far superior to wooden boxes. Price, each, 25c. Parcel Post weight, 1 lb.

## 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.

## THERMOMETERS, CAPONIZING SETS, ETC.

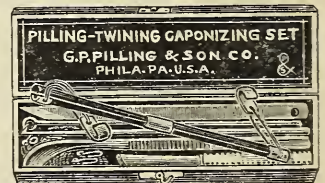
Cyphers Incubator Thermometer, postpaid, \$1.00.  
Cyphers Adaptable Hover Thermometer, \$1.00 postpaid.



"Tycos" 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.  
"Tycos" Incubator Thermometer. No. 5774—Most popular. Suitable for any incubator. Price, 75c.; postpaid, 85c.  
"Tycos" Brooder Thermometer, No. 5792—Mounted. Price, 60c. 70c. postpaid.

"Tycos" Incubator Hygrometer, No. 5796—Price, \$1.50. Extra wicks 10c. each, postpaid.

Philadelphia Caponizing Set—No. 5774 Thermometer In plain box, \$3.00. In velvet lined box, price, \$3.50.



Gape Worm Extractors—Price, 30c., postpaid.  
Felt—For Incubator Diaphragms and Brooders—Price, 75c. square yard, postpaid.  
We carry Cyphers, Cycle Hatcher and other brooder and incubator repairs.

**LITTLE PUTNAM STOVE FOR POULTRY FOUNTAINS**

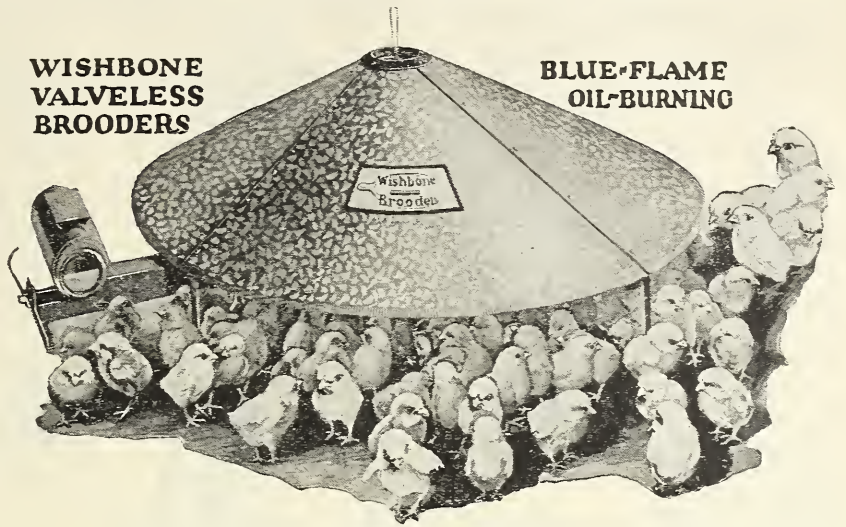


This little device will keep water from freezing in zero weather. It holds 6c. worth of oil and burns a month without filling or trimming. Fool proof and fire safe. Used under any can, crock or fountain.

Over 80% of an egg is water. To get lots of eggs in winter, you should keep unfrozen water constantly before your 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, \$2.00. Postpaid. Illustrated circular on request.

**WISHBONE VALVELESS BROODERS**

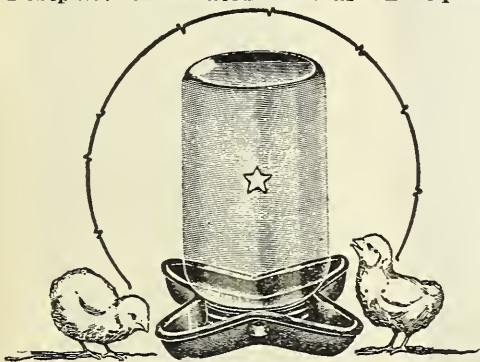


**BLUE-FLAME OIL-BURNING**

Blue Flame Oil Burner is the Chicks Best Friend it has no valves to stick no strainer to clog no thermostat to go wrong. Simple Efficient, New and Different. Sizes and prices. Hovers 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.....\$10.00  
 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 1000 chicks—weight 48 lbs..... 22.00

Illustrated circular on request

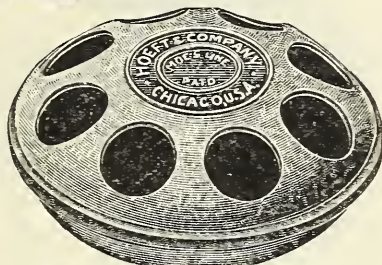


STAR JAR FOUNTAIN

No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason Jar. Convenient, cheap and canitary, one size only; No. 32 without the jar 15c.; two for 25c. postpaid.

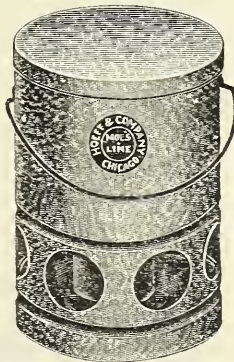
**MOES ROUND BABY CHICK FEEDER**

This is the most popular style of Baby Chick Feeders, being round more chicks may be served, being covered prevents contamination and wasting. Cannot be upset. No. 1, 6 inches in diameter, 8 feeding holes, each 20c.; No. 2, 8 1/4 inches in diameter, 12 feeding holes, each 35c.



No. 11, ROUND FEEDER

**Moes Pigeon Feeders**—This is the best Pigeon Feeder made, they cannot foul the food, comes in two sizes, No. 105 small, price, \$1.00; No. 106 large, price, \$1.50. Parcel Post weight 4 and 5 lb., respectively.

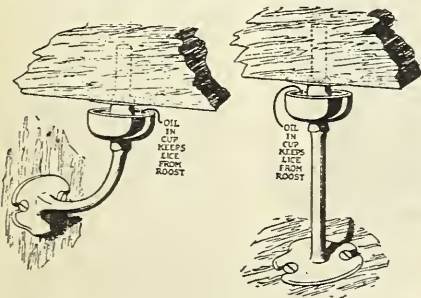


Moes Pigeon Feeders

**ANTI SETTING DEVICE STOP THE HENS SETTING**

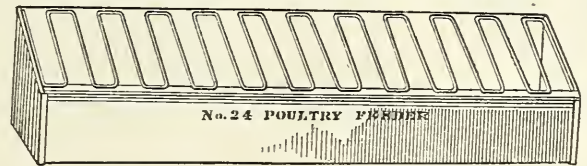
Breaks 'Em Up in 24 Hours (Patent Applied For)

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; \$1.40 dozen, postpaid.



**M. & S. LICE PROOF PERCH SUPPORT**

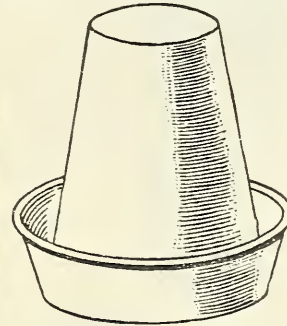
These are indispensable in any poultry house, lice and mite, are what stop your hens from laying. Price 50c. a pair, Parcel post weight 3 lbs.



No. 24 POULTRY FEEDER

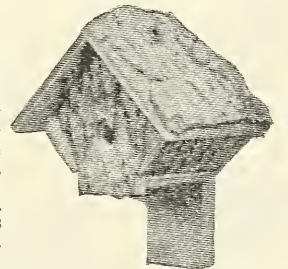
**FELKER'S DRY MASH FEEDERS**

Made in two sizes. No. 12 and No. 24. No. 12, for a small colony of fowl or growing chickens. No. 24, a practical dry mash feeder for fowl. They cannot clog. They are dirt and rat proof, and are protected from wast by an especially designed grid. Should be hung on the wall by two nails, as high as the fowl can reach with ease. These Dry Mash Feeders are designed to give the consumer a feeder that in every way is practical, at a very reasonable price. No. 12, 85c.; No. 24, \$1.00. Weight, 2 and 3 lbs.



**FELKER'S CONE FOUNTAIN**

For chickens and pigeons. A new and practical drinking fountain. A two part attachable fountain. Chickens or Pigeons can drink all around it but can not get into it or foul it. It being attachable makes it easy to move from place to place and it is not easy to tip over. Made in two sizes one quart and two quart. 35 and 45c...Weight, 1 lb. and 2 lb.



Comparatively few of us recognize the great economic value of birds. Particularly the Blue-Birds, House Wrens, and Martins are very easily domesticated. Their favorite nesting sites are bird-houses made for their use which may be placed about the garden, farm, or orchard. As rent, these faithful birds pay amply, by destroying millions of insects annually. State for what kind of bird boxes are wanted. Price, \$1.25. weight, 6 lb.

Gentlemen: I have been using Don Sung (Chinese Egg Laying Tablets) on my hens and pullets and can say it works wonders. Your truly, Asa Gardner.

# M. & S. POULTRY AND PIGEON FEEDERS

## THE NORWICH AUTOMATIC EXERCISER AND FEEDER

Were Awarded Gold and Silver Medal at the Panama-Pacific Exposition.

Thousands upon thousands in use in every part of the civilized world. Operate with any grain or mixture; never out of order and will last a lifetime. 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," but not recommended for the commercial plant owing to swaying motion, present in all hanging feeders, if kept constantly in action by larger flocks. Rotary action, complete with the all important adjustable valve for regulating feed discharge, and guaranteed the best automatic feeder on the market at its price.

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

The problem of automatic dry mash feeding is completely solved in this wonderful machine. Operated with automatic vibrator rods, clogging is impossible, while the construction of the feed basin eliminates all waste. There is only three-quarters of an inch of mash in the bottom of the basin, the twenty quarts supply being completely protected from the dust and dirt of the house. 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.



With Rain Guard

Feed Cups for Exhibition Training Cages—Fig. 3. Large size, No. 1, 20c. each, \$2.75 doz.; small size, No. 0, 15c. each; \$1.75 dozen. Parcel Post weight, 1 pound.



Fig. 3

## 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; \$1.40 dozen, postpaid.



## FELKER'S "1-2-3" POULTRY 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, \$1.35; small size, 45c. 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.

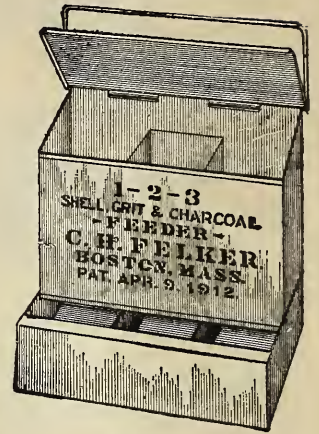


Fig. 1



Fig. 2



Closed

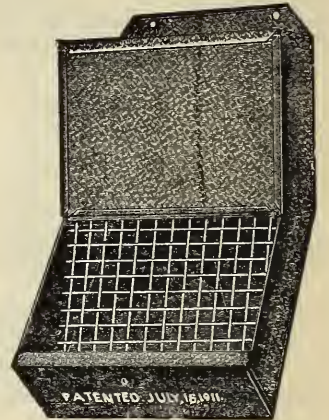


Fig. 2

Sexton's Dry Feed Hopper—Fig. 2. Easy to fill and no waste. Pronounced to be the best hopper offered. Simple in construction, easily operated, and absolutely rat, mouse and dust-proof. No. 1, poultry size, \$1.50 each. Weight, 7 lbs.

## OVERALL FEEDER FOR PRATTS DRY-MASH GROWING FEED.

These feeders are made of heavy stoneware, are very strong and durable, easily cleaned and never clog. They present the feed in such a manner as to be always easily accessible, and at the same time the birds cannot waste the feed.

For best results the feed should be presented to the birds in two dishes, if the flock contains over a dozen birds, and should be placed somewhere in the middle of the pen where the light will strike into them freely and kept about two-thirds full (one feeder for every dozen birds is a good rule.) Capacity, 6 quarts. Price, 90c.; 4 qt. has no handle or ball, 75c. Sent by express only.



## BEST FOR BABY CHICKS

HERE IS THE FEEDER AND THE FOUNTAIN for which every poultryman has been looking. It combines all the good qualities of the ordinary Mason jar fountain and feeder with the good qualities of the best baby chick feeders on the market. The bottom of the feed pan slopes from the center to the edges, thereby insuring a free flow of feed



Note the Small Openings

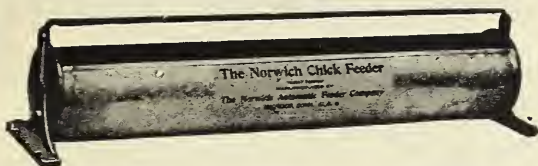
3 Pans 75c POST PAID 4 Pans \$1

from the jar to the edge of the pan, where the chicks can reach it through the openings. The small openings prevent dirt from getting into the pan—prevent the chicks from getting into the feed or water and prevent them from crowding too close around the feeder, thereby giving the weaker chicks an equal chance with the stronger ones. This overcomes every objection to the ordinary open pan Mason jar feeder and fountain. It fits any Mason jar. The top of the pan can be removed in a second to clean or fill. It is the most inexpensive, most practical and most sanitary feeding and watering device on the market and is fully covered by U. S. letters of patent. 25c. each; 30c. postpaid.



# M. & S. Chick Feeders, Poultry and Pigeon Fountains

## NORWICH CHICK FEEDER

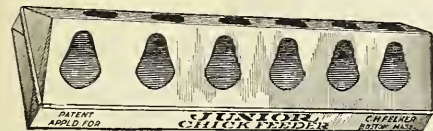


Positively prevents chicks from wasting the mash, and it is impossible for them to get into the food, thus making it an absolutely sanitary feeder. Top rods removable for filling and cleaning. Ends riveted and burned to brackets. The strongest and best Chick Feeder ever placed on the market. Perfection as a sour milk feeder.

With Rain Top, Parcel Post weight, 3 lb. .... \$1.00  
20-inch—Parcel Post weight, 2 lbs. .... .75

F. O. B. Baltimore, Md.

Can be sent by Parcel Post; add postage for zone.

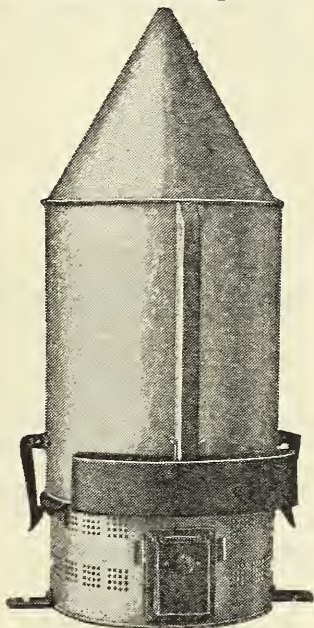


12-inch Price, 25c. each. 20-inch 35c.

## THE NORWICH AUTOMATIC AIRLOCK FOUNTAIN

The most perfect device ever placed on the market for automatically supplying pure, fresh water in the poultry house. It is a physical and absolute impossibility to contaminate or pollute the water supply, and requires cleaning about once in three months only. Guaranteed frost-proof to ten degrees below zero, and has been operated at twenty-eight below without being affected. 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



## SANITARY FOUNTAINS AND HOPPERS FOR POULTRY



Fig. 3

"Peerless" Drinking Fountain keeps the water clean and pure. 1 qt., brooder size, 35c.; 5 qt., 85c.; 10 qt., \$1.25. Peerless Heater, fitting both sizes, price, \$1.75. Parcel Post wt., 2 lbs.

Weights on Peerless Goods: 1 qt., 2 lbs.; 5 qt., 3 lbs.; 10 qt., 4 lbs.

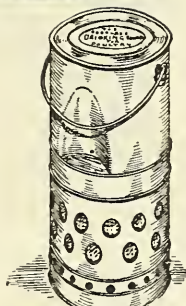


Fig. 2

Angular Killing Knives—Fig. 7. Price, 60c. each.

French Safe Edge Killing Knife—Fig. 6. Price, 60c.

French Poultry Killing Knife—Price, 60c.

Poultry Roup Syringe, 10c. each.  
All the above post-paid.

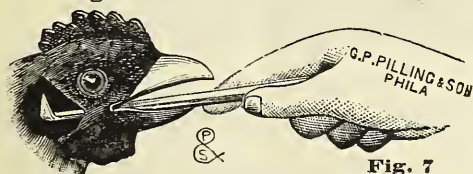


Fig. 7



Fig. 6

### NEST EGGS

Medicated Nest Eggs keep away vermin and acts as nest egg at same time. 8c. each; 2 for 15c.; 75c. dozen. Parcel Post weight, 2 lb. per dozen.

Lime Stone Nest Eggs—Very natural; will last a long time. 5c. each; 50c. dozen. Weight, 1 dozen, 2 lbs.

Opal Nest Egg—Prices: 5c. each; dozen, 40c. Special price on quantities. Weight, 1 dozen, 1 lb.

## KEYSTONE POULTRY & PIGEON FOUNTAIN

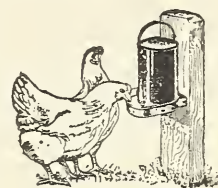
Made of sheet steel, all parts riveted, then galvanized. No Solder is used at all. Nothing about them to rust. They are made to stand the knocks. They should be hung above the floor or ground so that water is kept clean. Use them once and they will be your favorite.



Illustration shows method of filling. The bail handle makes it possible to carry one or more when filled.

Made in four sizes: 1 qt., price, 50c.; 2 qt., price, 75c.; 1 gal., price, \$1.10; 2 gal., price, \$1.50.

Parcel Post weight, 1 lb., 2 lb. 3 lb. and 4lb., respectively.



Heater for same, \$2.00. Parcel Post weight, 2 pounds.

The Nesco Fountain, as per illustration, Fig. 9. Impossible for chickens or pigeons to roost on same.

1-quart. .... 1 lb. \$0.25  
2-quart. .... 2 lbs. .... .35  
4-quart. .... 2 lbs. .... .45

Nesco No. 0 Chick Fountain, 15c. each; weight, 1 lb.; \$1.75 per dozen; weight, 4 lbs.



Fig. 0

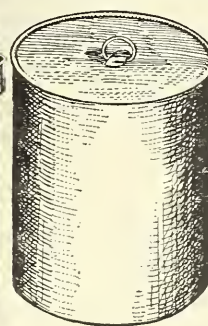
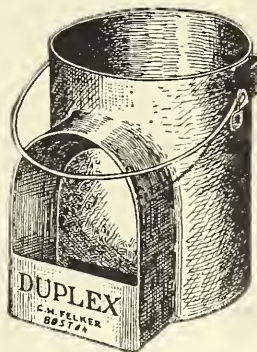


Fig. 9



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, 12, and 20 inch. Prices, 35c. and 50c.

Atsatt's Chick Feeder — Very serviceable; galvanized iron; protected top to keep chicks out. Price, 30c...Parcel Post weight, 1 lb.



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; 3 lbs.; 8-qt. size, \$1.40. Parcel Post weight of either, 4 lbs.

Heater for same, \$2.00. Parcel Post weight, 2 lbs.



Fig. 5



Fig. 6

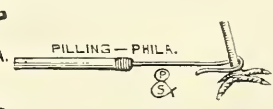


Fig. 7

Philadelphia Poultry Marker—Large and small. Price, 35c. postpaid. Fig. 5.

Poultry Marker—In shape of plyers. 35c., postpaid. Fig. 6.

Fowl Catcher (Fig. 7)—25c. postpaid.

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.

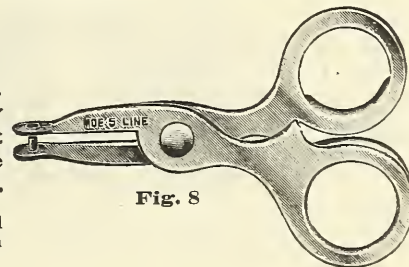
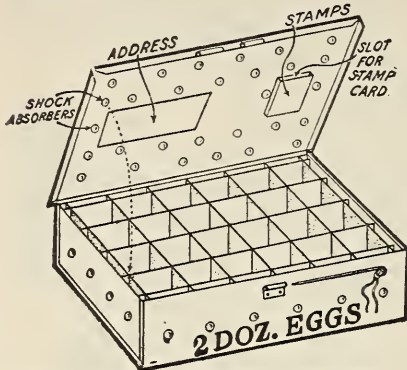


Fig. 8

M. & S. Wonder Bred Chicks — Supplied from February till June.

## SAFETY FIRST METAL EGG CRATES FOR PARCEL POST



Solve the problem of shipping eggs safely by Parcel Post. They are made for continued use, being strongly constructed but light in weight.

All crates are provided with built-in shock absorbers to give a cushion for the eggs. Fillers to hold the eggs are made for long life.

Metal Egg Crates do not require outside wrapping for mailing. A short string only is needed for trying "pin" which holds lid securely closed.

Buy your eggs direct from the producer, "strictly fresh," delivered to your door by Parcel Post. The total cost, including postage, will be less than from your grocer.

- Postage is no more than for other egg carriers.
- 1½ doz. egg size, Parcel Post weight, 3 lbs. .... \$0.85
  - 2 doz. egg size, Parcel Post weight, 3 lbs. .... 1.00
  - 3 doz. egg size, Parcel Post weight, 3 lbs. .... 1.25
  - 4 doz. egg size, Parcel Post weight, 3 lbs. .... 1.50
  - 6 doz. egg size, Parcel Post weight, 4 lbs. .... 1.75
  - 1 doz. egg size and container for 1 lb. butter, weight 3 lb. 1.35
  - 3 doz. egg size and container for 3½ lb. butter, weight 3 lb. 1.85
- A complete set of supplies, 50c. each; 6 doz. 60c. weight 1 lb. The Carrier is held assembled by a leather strap and buckle, which also acts as a handle and as a guard to the address label.

## THE APCO PARCEL POST EGG CARRIER

"Eat an egg" parcel post box.

The APCO Carrier is the most scientifically constructed and the most satisfactory Carrier we have ever placed before our customers. 2 doz. 3 lb. \$1.00 each; 3 doz. 5 lb. \$1.25 each; 4 doz. 6 lb. \$1.35 each.

This shipping package is so constructed that each egg is separated by a thickness of corrugated board and the entire contents are surrounded by a double wall of air-cushioned corrugated board. Their extreme light weight, when compared with other packages, will in many cases save the postage for an extra lb.

Fig. 7

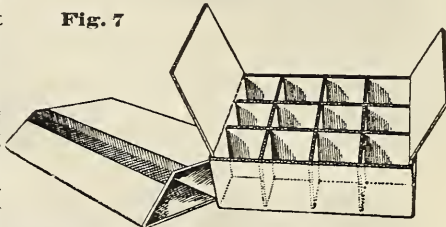
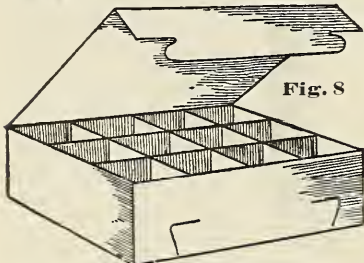


Fig. 8



Size	Wt.	Price 1 only	Price 1 doz.	Wt. 1 dz.
1 doz. 1-lb.	1-lb.	15c.	\$1.75	14-lb.
2 doz. 1-lb.	1-lb.	20c.	2.25	19-lb.
3 doz. 2-lb.	2-lb.	25c.	2.75	25-lb.

**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 doz.; weight, 2 lbs., \$1.25 for 125; weight, 11 lbs. \$2.50 per pkg. of 250, 1,000 \$9.00.

amount of trouble for the seller. They knock down in very compact shape. 15c. per doz.; weight, 2 lbs., \$1.25 for 125; weight, 11 lbs. \$2.50 per pkg. of 250, 1,000 \$9.00.

**EYRIE EGG BOXES**—Fig. 2. 1 setting, each, 30c.; weight, 1 lb.; \$3.00 per doz. 2 settings, each, 40c.; weight, 2 lbs.; \$4.50 per doz. Cannot be used for Parcel Post on account of locking feature.

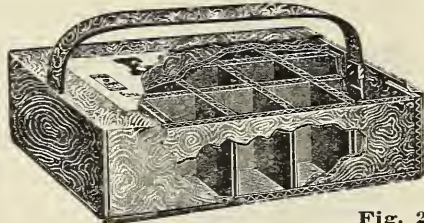


Fig. 2

**Hatchanegg Egg Boxes**—Fig. 11. These are made of corrugated paper and are similar in every way to the Eyrie box, except they are not equipped with a handle.

	Each	Doz.
One setting—weight, 1 lb., each; 18 lbs., doz. ....	\$0.20	\$2.25
Two settings—weight, 2 lbs. each; 28 lbs., doz. ....	.30	3.75
50-egg size—weight, 4 lbs. each; 40 lbs., doz. ....	.40	4.50

Commercial Egg Box Filler, \$3.75 per gross. 40c. per doz.

## LEG BANDS FOR POULTRY, ETC.

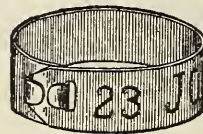
ALL POSTPAID

Mark your old hens to distinguish them from pullets, so that you can catch the right one to kill at the first grab. Table of sizes of bands for different breeds. Order by number.



Fig. 5

No. 1—Bantams and small Mediterranean females, etc.  
No. 2—Ordinary Mediterraneans 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 turks, etc.  
No. 6—Tom Turkeys and Geese.



Double-Clinch

"Smith Sealed" Bands—If you want the best be sure you get "Smith Sealed" stock numbered bands. Every band is numbered different. Prices, Dozen, 35c.; 25, 60c.; 50, \$1.00; 100, \$1.75; 250, \$4.00; 500, \$7.75; 1,000, \$15.00.

Sealers for sealing S. S. Bands—Plain, \$1.10; lettered jaw, \$1.15.

"Double-Clinch" Leg Bands—Made in sizes as table. A strictly reliable open or removable band. Fastens with two clinches, leaving absolutely no exposed corners, ends or loops to come loose. Prices, Dozen, 20c.; 25, 30c.; 50, 50c.; 100, 75c.; 250, \$2.00; 1,000, \$6.50.



Smith Sealed

## CHAMPION LEG BAND



Fig. 2

"Colored" Eclipse Poultry Bands—Made in twelve colors. Black numbers on white ground on two sides of the band; can be read at several feet distance. Prices, dozen, 40c.; 25, 75c.; 50, \$1.50; 100, \$2.75.

Seamless Pigeon Bands—Made in three sizes. Prices, dozen, 30c.; 25, 60c.; 100, \$1.50.

Open Chick, or Pigeon Bands—Made in two sizes. Prices, dozen, 15c.; 25, 25c.; 50, 40c.; 100, 70c. Fig. 6.



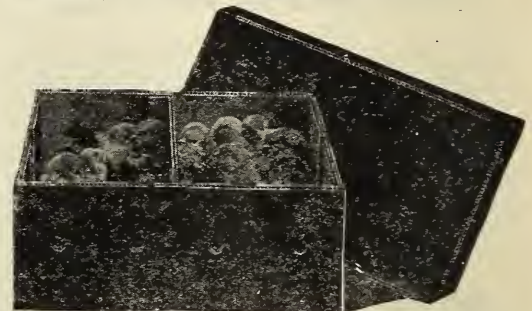
Fig. 6



Fig. 7

## 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	15c.	\$1.25	
50 chicks. .... 2	18x11x5½	20c.	2.00	
100 chicks. .... 3	18x22x5½	25c.	2.50	

## THE EYRIE SHIPPING COOP

Made of corrugated paper, will carry any distance, saves expressage and always delivers the contents in good shape. Shipped knocked down, and takes up very little space in stock room. Each ½ doz.

Capacity	Size	Parcel Post weight	Each	½ doz.
B, Single, 21x12x22 in.		6 lbs.	\$.060	\$3.25
D, Trio, 21x24x22 in.		9 lbs.	.75	4.50
E, Pen, 21x33x24 in.		12 lbs.	.90	5.00





# 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 the wants of our patrons.

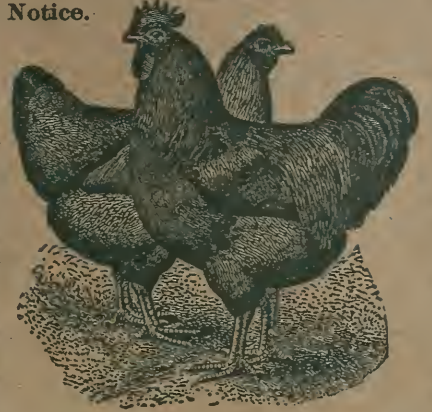
We advise placing orders ahead of time, as the demand for our M & S. WONDER BRED CHICKS is always great. We will start deliveries the last week in February and continue until the first of June on all popular breeds.

## LIST OF M. & S. WONDER BRED CHICKS

Prices for February and March Subject to Change Without Notice.

	100	50	25	12
Single Comb White Leghorn..	\$18.00	\$ 9.50	\$4.75	\$2.50
Single Comb Brown Leghorn..	18.00	9.50	4.75	2.50
Single Comb Buff Leghorn....	20.00	10.50	5.25	2.75
Single Comb Black Minorcas..	22.00	11.50	5.75	3.00
Single Comb Mottled Anconas.	22.00	11.50	6.00	3.25
Barred Plymouth Rocks.....	20.00	10.50	5.25	2.75
White Plymouth Rocks.....	22.00	11.50	6.00	3.25
Buff Plymouth Rocks .....	25.00	13.00	6.75	3.75
Rhode Island Reds (both combs)	21.00	11.00	5.50	3.00
White Wyandotte .....	23.00	12.00	6.00	3.25
White Orpington .....	30.00	16.00	8.50	4.50
Buff Orpington .....	25.00	13.00	6.75	3.75

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.



Single Comb White Leghorns

Single Comb Rhode Island Reds

**PLYMOUTH ROCKS.**—The best general purpose fowl; good layers, splendid breeders, are hardy and vigorous. Four varieties: Barred, White, Buff and Partridge Rocks.

**SINGLE AND ROSE COMB RHODE ISLAND REDS.**—These splendid fowl have a great many admirers, and are one of the best all-around fowl.

**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.



Barred Plymouth Rocks

Dr. Jas. Clark, of Pikesville, Md., said "The White Wyandottes which I purchased last season laid in six month."

Gentlemen: Out of the 509 White Leghorn Chicks which are now six weeks old, we have lost only twelve. Some Chicks especially for a March Hatch. Yours truly, Dietrichhurst Farm, Geo. F. Shelton, Supt.

Dear Sir: Received the hundred chicks O. K. only one dead, and they are some fine bunch of chicks. Will stop in the first of the week and pay for them. Yours very truly, Parkton, Md. W. D. Zile,

Gentlemen: Enclosed find my money order for the chicks which just arrived, and they are Fine. Thanking you for your prompt attention to the order I remain.

Your very truly, Indian Head, Md. Mrs. Wm. E. Vogelsson,



Mammoth Bronze Turkeys

## 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 .....	from 20.00 to 30.00

Prices on Ducks, Geese, Turkeys, Guinea, Pea Fowl, and Pigeons on Application.

Prices on Eggs of Chickens, Ducks, and Guinea, per setting of 15; Ducks, 11; \$2.50 to \$5.00

100 or more, \$12.00 to \$15.00  
50 at 100 Rate.



Indian Runner Ducks

## DOG FOODS, REMEDIES, ETC.



**Ready-to-Feed Cooked Dog Food.**—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 food with entire satisfaction. Price of Food, 1 lb., 10c.; 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 Fibro.**—An appetizing and flesh-forming food for puppies and dogs out of condition. Net weight 2 lb. 1 oz., Price, 40c. Parcel Post weight 3 lb.

**Spratt's Dog Remedies.**—A remedy for each disease. Send for special booklet.

**Spratt's White Dog Soap.**—Death to fleas. Price, 25c. Mailing weight, 1 lb.

## SERGEANT'S DOG MEDICINES

- Distemper Medicine.**—Price, \$1.20. By mail, \$1.25.
  - Mange Medicine.**—Price, 65c. Not mailable.
  - Condition Pills.**—Price, 60c.
  - Sure Shot Capsules.**—Price, 60c.
  - Sure Shot Liquid.**—Price, 60c. Not mailable.
  - Arsenic and Iron Pills.**—Price, 60c.
  - Dog Rub (a Liniment).**—Price 60c. Not mailable.
  - Canker Wash.**—Price 60c.
  - Cough Medicine.**—Price, 60c.
  - Well Mouth (Sore Mouth and Black Tongue).**—Price, 60c. Not mailable.
  - Eye Wash.**—Price, 60c.
  - Tape Worm Medicine.**—Price, 60c.
  - Rheumatism Pills.**—Price, 60c.
  - Constipation Capsules.**—Price, 30c.
  - Skip-Flea Soap.**—Price, 25c.
  - Carbolic-Tar Soap.**—Price, 25c.
- Send for special book on dogs.

# OBER'S



## FERTILIZERS

### OLDEST IN AMERICA

SINCE 1840

For Prices and Analysis See Page No. 40