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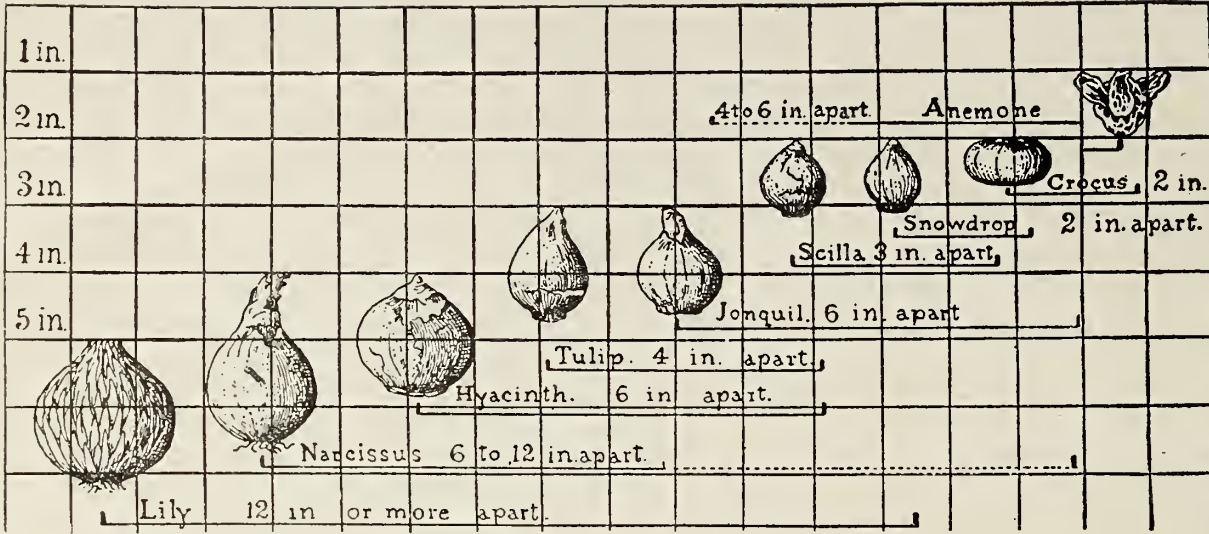
The  
**MEYER-  
STISSER CO.**

*1916  
Fall Catalog*

32 LIGHT ST.  
BALTIMORE, MD.



**MAY FLOWERING  
& DARWIN TULIPS**  
No. 1, Parisian  
No. 2, Gretchen  
No. 3, Picotee



**Depth at Which Bulbs Should Be Planted.** — Many of our customers are frequently puzzled to know the proper depth and distance apart at which bulbs should be planted. The accompanying diagram conveys the information much more clearly and briefly than we could describe it. The chart will bear careful study. Outdoor planting should be done early in the fall to secure healthy plants, vigorous foliage and beautiful flowers.

**Parcel Post Rates**

The new Parcel Post rates, effective Jan. 1, 1914, are as follows: Parcels, 8 ozs. or less, are available at the rate of 1c. for each 2 oz. or fraction thereof, regardless of distance. Liquids and poisons cannot be sent by Parcel Post. Size of package that can be sent by Parcel Post cannot be over 72 inches in length and girth combined.

	Miles Miles Miles		
	Local	50-150	300 600
	Zones 1 & 2	3d	4th
1 lb.....	05	05	06 07
2 lb.....	06	06	08 11
3 lb.....	06	07	10 15
4 lb.....	07	08	12 19
5 lb.....	07	09	14 23
6 lb.....	08	10	16 27
7 lb.....	08	11	18 31
8 lb.....	09	12	20 35
9 lb.....	09	13	22 39
10 lb.....	10	14	24 43
11 lb.....	10	15	26 47
12 lb.....	11	16	28 51
13 lb.....	11	17	30 55
14 lb.....	12	18	32 59
15 lb.....	12	19	34 63
16 lb.....	13	20	36 67
17 lb.....	13	21	38 71
18 lb.....	14	22	40 75
19 lb.....	14	23	42 79
20 lb.....	15	24	44 83
		1st & 2d	
	Local	50-150	
21 lb.....	16	25	
22 lb.....	17	26	
23 lb.....	18	27	
24 lb.....	19	28	
25 lb.....	20	29	
26 lb.....	21	30	
27 lb.....	22	31	
28 lb.....	23	32	
29 lb.....	24	33	
30 lb.....	25	34	
31 lb.....	26	35	
32 lb.....	27	36	
33 lb.....	28	37	
34 lb.....	29	38	
35 lb.....	30	39	
36 lb.....	31	40	
37 lb.....	32	41	
38 lb.....	33	42	
39 lb.....	34	43	
40 lb.....	35	44	
41 lb.....	36	45	
42 lb.....	37	46	
43 lb.....	38	47	
44 lb.....	39	48	
45 lb.....	40	49	
46 lb.....	41	50	
47 lb.....	42	51	
48 lb.....	43	52	
49 lb.....	44	53	
50 lb.....	45	54	

**BRIEF CULTURAL DIRECTIONS ON A FEW OF THE MOST IMPORTANT BULBS**

**HYACINTHS**



**Directions for Planting in the Open Ground.**—This should be done in October and November, but they can be set at any time, as long as the ground is open and the bulbs remain sound. The best compost for their culture is the following: One-third sand, one-third well-rotted cow manure and one-third good garden mould. Special care should be taken not to add any bone fertilizers, as they usually draw vermin. The beds composed of the above compost should be well dug to a depth of fourteen inches, and raised from two to four inches above the level of the walks. Care should be taken not to press the earth too firmly around and over the bulbs. After planting, rake the bed smooth, and after the ground has frozen tolerably hard in early winter cover with dry litter, leaves or coarse manure.

**For Culture in Pots, Use Our M. & S. Prepared Fibre Coconut Soil,** or prepare the above compost, adding, if possible, a quantity of leaf mould. The most favorable time for planting is September, October and November. The size of the pot depends on the number of bulbs planted in a single one; three bulbs in a pot of say, six inches diameter, makes a rich, massive effect; one or two bulbs in each may be planted in proportionately smaller pots—two bulbs in each are very effective. When planted, water them well, then bury the pots in the open ground to the depth of six inches for eight weeks, in which condition the preparatory root growth necessary to a vigorous development of their flower spikes is made. After this period remove the pots to a cool room. Being exposed to the light for the first time, care should be exercised not to place them in the direct rays of the sun for two or three days.

**For Growing Hyacinths in Glasses.**—Single varieties are the best for this purpose. Our Mother Bulbs, are highly recommended for this purpose. Place the bulb in the glass, which should be filled with water so it touches the bottom of the bulb, place them in a cool place, in the dark, changing the water every ten days or two weeks; keep them in the dark for six to eight weeks, then remove them to the light. If then kept in a cool room, they will produce very fine spikes. A small lump of charcoal prevents the water from getting foul.

**TULIPS**

**For Bedding Out.**—The bed should be formed of a compost similar to that recommended for Hyacinths; the bulbs should be planted about four inches apart and about five inches deep (close planting makes a much finer effect and prevents the flowers breaking off when swaying in the wind); they should then be covered with a litter shortly before the severe freezing weather sets in, and left in this condition until spring approaches.

**For Pot or Pan Culture.**—Plant about four bulbs in a six-inch pot or five bulbs in a six-inch pan, water thoroughly and then remove to the open ground or in a cold frame, covering with coal ashes; after they have rooted thoroughly they should be brought into a moderately cool room and gradually warmer; by bringing in a fresh supply from the outside every ten days, they can be had in bloom continually.

**NARCISSUS**

The double and single trumpet varieties should be planted in soil and treated similar to Hyacinths. Chinese Lilies, Paper White Narcissus, Polyanthus types, such as Grand Soleil d'Or, etc., succeed very well if planted in water and pebbles. A small lump of charcoal prevents the water from getting foul, although changes of water are advisable.

**CROCUS**

A real show can be obtained from these tiny bulbs. They will bloom in a few weeks from time of planting inside. Place a few bulbs, or as many as the size of crock will warrant. In a short space of time the bulb will make a grand display. Planted out in the open ground, they bloom among the first of the spring flowers.

SPRING FLOWERING BULBS, THE CREAM OF HOLLAND

ORDERS FOR DOZEN LOTS OF ANY BULBS  
POSTPAID.  
HUNDRED AND THOUSAND LOTS CARRIAGE  
EXTRA.



M. & S. CHRISTMAS FORCING HYACINTHS

These specially treated Hyacinths are peculiarly adapted for pot culture and early flowering. They can be made to bloom just at the holiday season, and for that reason their name. The bulbs, which are of medium size, produce large, well-formed spikes. We recommend each lover of flowers to try a few, as Hyacinths for Christmas are a most cheerful novelty. As the stock of these is rather limited, we advise early ordering.

- L'Innocence. Pure white; large bells; single.
- Le Victoire. Brilliant red; very distinct; single.
- Gertrude. Fine pink; single.
- Johan. Porcelain blue; single.

Prices of any of the above Christmas Forcing Hyacinths, 15c. each; per doz., \$1.25.

M. & S. MONSTER MOTHER BULB HYACINTHS

A number of our customers who do fancy Hyacinth growing always require some of the largest and finest bulbs that can be obtained. For this purpose we have arranged with our Holland growers to get the very largest and most perfect solid, sound bulbs. They can be depended upon to give extra large and well-developed spikes of bloom, fit for exhibition and special ornament. We offer these in single varieties only.

- L'Innocence. Pure white flower; best forcer.
- Grand Maitre. Deep porcelain blue.
- Gigantea. Finest pale pink.
- Gertrude. Fine pink; large truss.
- Rois des Belges. Brilliant red.

Price, 15c. each; \$1.25 dozen; \$10.00 per 100.

FIRST SIZE SINGLE NAMED HYACINTHS

- L'Innocence, pure white, compact spike, early.
- La Grandesse, white, extra fine, good forcer.
- Mimi, blush white, very beautiful.
- Gertrude, deep pink, large spike, early.
- Gigantea, pale, pink, large bells, extra fine. 10c. each
- Rois des Belges, brilliant red, splendid bedder. 3 for 25c.
- Lord Balfour, dark violet, large bells, fine forcer. 90c. doz.
- Queen of the Blues, light blue, with silvery appearance. \$7.00—100
- Grand Maitre, the best porcelain blue, very large spike, early.
- King of the Blues, dark blue, very showy, extra fine.
- King of the Yellows, dark yellow, large spike.

FIRST SIZED DOUBLE NAMED HYACINTHS

- La Virginete, white blush.
- Prince of Orange, dark rose, very showy. 10c. each
- Rembrandt, porcelain blue. 3 for 25c.
- Grootvorst, light pink, large flower. 90c. doz.
- Goethe, the best double yellow. \$7.00—100
- Bloksberg, light blue, good spike.

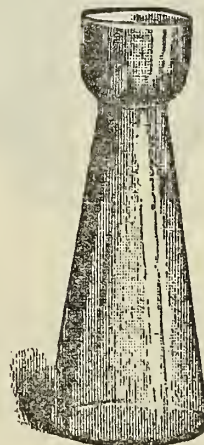
SECOND SIZE SINGLE NAMED HYACINTHS

We have all the above Hyacinths in second-sized bulbs, which give good results for either pot or outdoor culture, at 6c. each; 60c. dozen; \$4.50 hundred.

SECOND SIZE DOUBLE NAMED HYACINTHS

We have all the above named Hyacinths in second size bulbs, which give good results for either pot or outdoor culture. 6c. each; 60c. dozen; \$4.50 per 100.

Hyacinth Glasses



In three colors—green, blue and white in low and high pattern, for forcing Hyacinths to bloom in water. 15c. each; \$1.75 per dozen.

(HYACINTHS CONTINUED ON NEXT PAGE.)

## HYACINTHS (Continued)

### SUPERFINE BEDDING HYACINTHS

For forcing or open-air culture. Our superfine mixtures of Hyacinths, both single and double, are unexcelled for use where an effective display is wanted. They comprise the finest shades of color and must not be confounded with the cheap mixtures sometimes offered for outdoor planting.

Single Pure White	Double White	} 40c. dozen. \$3.00 per hundred.
Single Red	Double Red	
Single Pink	Double Pink	
Single Light Blue	Double Light Blue	
Single Dark Blue	Double Dark Blue	
Single Yellow	Double Yellow	
Single Blush White	Double Blush White	

### FRENCH ROMAN HYACINTHS

Each bulb bears several very graceful flower spikes. Very popular on account of their delightful fragrance, earliness and profusion of bloom. The best effect is produced by planting four or five bulbs in one medium sized pot. They may also be planted outdoors, but are most valuable for early planting in the house. The colored Romans flower about two to three weeks later than the white. Our bulbs are of large size and will be sure to give the greatest satisfaction.

EARLY WHITE ROMAN.....	Per dozen, 60c.	Per 100, \$4.00
EARLY PINK ROMAN.....	Per dozen, 50c.	Per 100, 3.25
EARLY BLUE ROMAN.....	Per dozen, 50c.	Per 100, 3.25



## M. & S. SUPERB TULIPS

It is difficult to conceive of anything more brilliant in color than a bed of good tulips. Their great variety of color, intense brilliancy and beautiful shading make them universal favorites. Another consideration in their favor is the ease with which they can be cultivated. There are no bulbs which make such a rich and gorgeous display of blossom with so little care and cultivation.

The Dutch growers have so mastered the art of tulip culture that they are now able to offer bulbs at prices which bring them within the reach of all, and of a quality which leaves nothing to be desired. The tulips we offer are among the most perfect of flowers in form, wealth of color and variety of markings. For culture see first page.

All single early varieties commence flowering two weeks in advance of other sorts of tulips and are admirably adapted to culture in pots, borders or beds.

### SINGLE EARLY TULIPS

All Suitable for Bedding

Most varieties do well when grown indoors, but those marked with a star (\*) have been found most uniformly satisfactory for pot culture.

	Doz.	100		Doz.	100
Dusart, dark red.....	25c.	\$1.50	Cottage Maid, pink and white.....	20c.	\$1.25
Artus, deep scarlet.....	20c.	1.25	Rose Grisdelin, pink*.....	20c.	1.25
Couleur de Cardinal, bronze scarlet*.....	35c.	2.25	La Reine, white tinted rose*.....	20c.	1.25
Belle Alliance, bright red*.....	30c.	2.00	White Hawk, pure white.....	35c.	2.00
Prince of Austria, orange scarlet*.....	35c.	2.00	Superfine Mixed, all good varieties.....	20c.	1.00
Vermilion Scarlet, the richest scarlet*.....	40c.	2.75	<b>DOUBLE EARLY TULIPS</b>		
Yellow Prince, pure yellow*.....	25c.	1.25	Murillo, pink suffused white*.....	25c.	1.50
Mon Tresor, golden yellow*.....	30c.	1.75	La Candeur, pure white*.....	30c.	1.75
Duchess de Parma, orange scarlet, yellow border.....	20c.	1.40	Rubra Maxima, crimson scarlet*.....	30c.	1.75
Chrysolora, the best yellow*.....	30c.	1.75	Salvator Rosa, deep rose.....	25c.	1.50
Keizerskroon, scarlet, yellow borders*.....	35c.	2.00	Tournesol, fine yellow*.....	35c.	2.25
Rose Louisante, rose and white*.....	35c.	2.25	Titian, red, yellow border.....	30c.	2.00
			Superfine Mixed, all good varieties.....	20c.	1.00

TULIPS—(Continued)

DARWIN AND MAY FLOWERING TULIPS

A distinct race of Tulips with tall, thick stems on which large, well formed flowers of all shades are produced. They remain in fine condition much longer than the earlier classes, and are most desirable for brilliant and lasting displays. Height usually 2 to 2 foot six inches.

It will be of interest to state, these Tulips nearly all belong to those classes that were the cause of the famous Tulip mania of the seventeenth century. For a great number of years they have been utterly neglected, and were only to be found in some deserted corner of old castles and country houses.

In recent years they have been introduced again and are now being planted in great quantities and have become very popular.

DARWIN TULIPS

	Doz.	100
Gretchen, rosy pink, going to salmon.... (Illustrated on front cover No. 2)	30c.	\$2.00
Sultan, rich dark maroon, almost black	25c.	1.75
La Candeur, pure white, anthers black	35c.	2.50
Philippe de Commines, rich velvety purple-black, large egg-shaped flower, of very distinct shape, fine for forcing, early.....	40c.	3.00
May Queen, soft lilac rose, with white centre marked blue, large flower....	30c.	2.25
Glow, dazzling vermilion scarlet, centre white with blue markings, very beautiful.....	40c.	3.00
Wedding Veil,—creamy white flushed lilac with clear white base and black anthers.....	35c.	2.50
Clara Butt, one of the most delicate shades of salmon and rosy pink; exquisite.....	30c.	2.25
Pride of Haarlem, bright rose, suffused with purple, an enormous flower of superb form and grand beauty, a stately plant for borders and amongst shrubs.....	35c.	2.50
Parisian Yellow (Annie), rich lemon yellow with deeper centre..... (Illustrated on front cover, No. 1)	30c.	2.25



Polyanthus Narcissus, Paper White Grandiflora.

M. & S. "SPECIAL" MIXTURE DARWIN TULIPS

This mixture contains many of the above named sorts and other new and rare varieties. We mix it ourselves and know just what it contains. Try a dozen bulbs and convince yourself. Per dozen, 30c.; per 100, \$1.75.

MAY FLOWERING TULIPS

	Doz.	100
La Merveille, large flower, scarlet, suffused with apricot orange.....	25c.	\$1.50
Picotée (Maidens blush), pure white, pink edged, with gracefully recurved petals..... (Illustrated on front cover, No. 3)	30c.	1.75
Gesnerianna, Spathulata Major, rich crimson scarlet, blue black centre, very showy.....	30c.	1.75
Shandon Bells, carmine rose, shaded cream white and suffused silvery white and rose on the petals.....	25c.	1.50

PARROT TULIPS

Superfine, mixed.....	20c.	1.25
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M. & S. REMBRANDT TULIPS

A new strain of Tulips which originated from the Darwin Tulip. The large cup-shaped flowers which are borne on long, graceful stems, are of striking appearance, being blotched, feathered and striped in all colors of the rainbow. Their blooming period is during May. They are of medium height. We want all lovers of flowers to plant just a few of these and be convinced of their beauty.

- Apollo, rosy lilac and white, striped dark carmine.
- Red Prince, rose flamed scarlet.
- Semele, white with pink feathering.
- Vesta, lilac feathered bright red.
- Victor Hugo, white, feathered brilliant carmine red.

All the above 40c. doz.; \$2.50 per 100.

M. & S. SUPERB NARCISSUS OR DAFFODILS

There are several quite distinct classes of Narcissus; the old yellow Daffodil, or Trumpet Narcissus, the white flowered Pheasant's Eye, or Poet Narcissus, and the Polyanthus Narcissus. The first two are among the hardiest and most desirable plants of the garden, and give more satisfaction with less care than almost any other plant.

When once established they do not need to be reset for several years, and will thrive in almost any soil. They are not only desirable for the garden, but equally so for the house. One to four bulbs set in a five-inch pot will bloom even in the smoky atmosphere of the city, where their beautiful color and delicate fragrance are doubly welcome.

The Polyanthus varieties need some protection, through winter in the north, but will do finely without it in the south. They are exceedingly valuable for flowering in pots in the house. The Paper White Grandiflora and the Grand Soleil d'Or may be made to come into bloom in December, and this with other varieties of Narcissus, will give a continuous succession of profuse bloom until spring. They thrive best in a cool temperature.

For culture see first page.

NOTE.—In describing Narcissus reference is made to the "perianth" and "trumpet." The latter is the long center, funnel-shaped tube, and the "perianth" is the outer row of petals or wings.  
(NARCISSUS CONTINUED ON NEXT PAGE.)

## SINGLE NARCISSUS

(Popularly Known as Jonquils)

	Doz.	100
<b>SIR WATKIN.</b> The flower is probably the largest in its class, measuring often 5 inches across; for moderate forcing as well as bedding on a large scale; it is pleasing and very free flowering; perianth lemon yellow, cup or crown deep yellow; very early.....	40c.	\$2.25
<b>BICOLOR VICTORIA</b> (Mother Bulbs), broad creamy white perianth; rich yellow trumpet; delicately perfumed; fine and lasting bloomer and a splendid foreer.....	40c.	2.50
<b>EMPRESS</b> (Mother Bulbs); white perianth of great substance; trumpet rich chrome-yellow. A very showy daffodil for the water and unsurpassed for forcing.....	40c.	2.50
<b>EMPEROR</b> (Mother Bulbs), a magnificent flower of the clear golden yellow, very early; splendid for forcing or planting out of doors.....	40c.	2.25
<b>GOLDEN SPUR</b> , an extra large, bold, richly perfumed flower of robust habit, and unsurpassed for pot or garden culture. Distinguished by its large, spreading, deep yellow perianth and wide trumpet of golden yellow; very early and free flowering. First size.....	35c.	2.00
<b>TRUMPET MAJOR</b> , large, deep golden yellow flower; one of the best for planting out of doors.....	25c.	1.50
<b>POETICUS ORNATUS</b> (Pheasant's Eye). The popular Narcissus for garden planting; pure white with scarlet edged cup or eye; most effective when planted in clumps on lawns, in woodlands, meadows, on banks of streams and ponds, as well as in the border and herbaceous bed. Very hardy and increase readily in numbers; late.....	20c.	90c.
(Fine for forcing)		

## DOUBLE NARCISSUS

(Daffodils)

<b>ALBUS PLENUS ODORATUS</b> (Double Poets Narcissus), pure white, many petals, gardenia-like, sweet scented; late; should be planted as early as possible; outside only..	20c.	1.00
<b>INCOMPARABLE</b> (Butter and Eggs), light yellow and orange, fragrant, not so good for forcing, mother bulbs .....	20c.	1.25
<b>VON SION</b> , double nose, the old well-known Double Yellow Daffodil; large double, golden yellow; extra fine for forcing or outdoor culture. This is the true double trumpet shaped Narcissus; mother bulbs.....	40c.	2.75
<b>SULPHUR</b> (or Silver) <b>PHOENIX</b> . Flowers very large; blush-white; the centre is sulphur colored; excellent for forcing or outdoor planting; mother bulbs.....	35c.	2.00

ORDERS FOR DOZEN LOTS OF ANY BULBS POSTPAID.

HUNDRED AND THOUSAND LOTS CARRIAGE EXTRA.

## POLYANTHUS NARCISSUS

This class of Narcissus is a most interesting one. They may be grown in water and pebbles like Chinese Lilies, but they are equally suited for growing in soil. The flowers are produced in clusters, and they are delightfully fragrant. They are not as a general thing hardy, but can be planted outdoors, if afforded liberal protection during winter.

**PAPER WHITE GRANDIFLORA**, Mammoth Bulbs.

This is quite a specialty with us; of it alone we import thousands of bulbs. It is a pure white flowering sort, used extensively for forcing, as it can be brought into bloom in 8 weeks' time. The stems are very long and it is excellent for bunching. Per dozen, 25c.; \$1.50 per 100.

**GRAND SOLEIL D'OR.** Rich yellow with deep red cup. For cutting this is a fine variety, as it makes a grand show. Per doz., 40c.; \$2.50 per 100.

**DOUBLE ROMAN NARCISSUS**, grown in the same manner as the Chinese Sacred Lily. Produces abundance of double flowers; white, shaded beautiful yellow; fragrant and lasting. Can be easily brought into bloom for Christmas. Per doz., 35c.; \$2.00 per 100.

**GRAND MONARQUE.** One of the finest of the Polyantha section, giving excellent results when grown in water. The bulbs are of large size; flowers are white with a lemon-yellow cup. Per doz., 40c.; \$2.50 per 100.

## SWEET-SCENTED JONQUILS

These delightful little flowers are especially graceful when grown in pans or pots, but do equally well outdoors. The slender foliage stalks enhance a most fragrant flower borne in clusters of two to four.

	Doz.	100
Single Jonquils, rich yellow, very fragrant; height 12 inches.....	15c.	\$.80
Double Jonquils, flowers very double, deep golden-yellow, height 12 inches	35c.	2.00

## M. & S. MAMMOTH FLOWERING CHINESE LILIES

This type of Narcissus (*Orientalis*) is also known as Joss Flower, Shui Sin Far, or Flower of the Gods, is a most remarkable house flower, producing its beautiful, fragrant blossoms of white and yellow in the astonishing short time of 4 to 6 weeks. Popularly they are grown in bowls of water and pebbles. The most satisfactory method of treating them is as follows:

Place from 3 to 6 bulbs in a bowl on top of pebbles to the depth of 2 inches; also place a piece of charcoal with the pebbles to keep the water sweet. Place more pebbles around the bulbs so they will not topple over and then fill the bowl with water to the top of pebbles. After being planted they should be stored for three weeks in a cool, dark corner and then brought forth to a light but cool place, where they will grow to the highest point of perfection. Excessive heat produces quick growth, but will blight the bulbs and no flowers are the result; they also do best where no coal stoves or gaslights are used in the room where they flower.

They may, of course, also be grown in pots with soil or sand, or prepared cocoanut soil. To have succession of blooms, start a fresh bowl every two weeks.

**MAMMOTH BULBS**, 10c. each; 3 for 25c. Original basket of 30, \$2.00.

**PEBBLES for Chinese Lilies.** Carefully screened and selected. 5c. per quart; 30c. per peck.



M. & S. CHOICEST GIANT FLOWERING CROCUS



With the introduction of the newer improved Giant Named Crocus, this flower has gained untold favor, for it is not only used, as in olden days, as a decoration for lawns, but occupies a place as prominent as tulips; it is most effective in clumps of one color among shrubberies, in borders or garden beds; in fact, it is a splendid pot bulb and may also be successfully grown in bowls of water, with moss or pebbles. For culture see first page.

GIANT NAMED VARIETIES

	Doz.	100.
Baron von Brunow, deep blue.....	15c.	\$ .90
Cloth of Gold, rich yellow, brown veins	15c.	.90
Cloth of Silver, silvery white striped lilac .....	15c.	.90
Mont Blanc, pure white.....	15c.	.90
Purpurea Grandiflora, fine purple.....	15c.	.90
Sir Walter Scott, white, striped purple	15c.	.90
Giant Yellow.....	15c.	.90
Choice Mixed, all colors, large bulbs....	10c.	.60

HARDY GARDEN AND FORCING LILIES

The Lily, with eminent propriety, has been styled the "Queen of Flowers," and truly no flower is more expressive of the idea of queenly beauty and faultless purity than the Lily, Too much cannot be said in its praise, and we are glad to notice its increasing popularity from year to year. Nearly every variety will, with a little care, endure the severity of our winters, and many are among the most hardy of our garden flowers.

All the Lilies on our list form stately and beautiful plants when grown in pots. The flowers are deliciously fragrant, very lasting, opening full to the last bud in water, and are admirably suited for table decoration, or for use in vases and glasses. The sorts best suited for forcing are: The Bermuda Easter Lily (*Lilium Harrisii*), *Lilium Candidum* and *Calla* Lilies.

**Culture Out of Doors.** Their culture is simple, and with a little care success is certain. The bulbs should be planted, if possible, in the autumn, any time from the first of October until the soil can no longer be worked; if in spring, they should be planted as soon as the frost is out of the ground—the earlier the better.

All loose petaled bulbs should be planted on their side instead of upright.

Select a well-drained spot, dig the soil deep, and make it fine, enriching it abundantly with very rotten cow manure and adding a liberal mixture of sand. Set the bulbs from four to six inches deep, according to size, surrounding them with sand so as to prevent any manure coming in direct contact with the bulbs. During the winter cover the surface of the bed with a thin layer of coarse straw manure, which will not only afford a slight protection to the bulbs, but will materially enrich the soil. In the spring the manure may be removed or dug in between the rows. For indoors treat like Hyacinths.

Callas required good, rich soil mixed with a small quantity of shredded cow manure, and plenty of warmth and water. The black variety does not require so much moisture. Plant Callas indoors only.

**Calla Lilies,** Lily of the Nile; beautiful pure white, for indoor only. 10c. and 15c.; 2 for 25c.; \$1.50 dozen.

**Yellow Calla** (*Elliottiana*); a grand novelty; one that should be planted extensively. The deep golden yellow flowers are truly magnificent, and produced in abundance. The green foliage is spotted creamy white, which adds to its beauty. 25c. each.

**Calla Richardia.** The leaf is similar to the *Elliottiana*, but the bloom is a pale yellow, almost cream, and of a more delicate and fragile texture than the *Elliottiana*; very free bloomer, 20c. each.



CALLA LILLY

(LILIES CONTINUED ON NEXT PAGE.)

## HARDY GARDEN AND FORCING LILIES—(Continued)

**Lilium Candidum**; pure white, for forcing or outdoors; plant early. Each, 10c.; per dozen, \$1.00.

**Lilium Harrisii**; pure white Easter Lily; for indoor forcing only. 15c. each; 2 for 25c.; \$1.50 per dozen.

**Melpomene** (Japan); rich deep pink, spotted dark red free blooming and robust in growth; very fragrant; height 3½ feet; flowers in August, 20c. each.

**Speciosum Album** (Japan Lily); the best late flowering pure white hardy garden lily of easy culture. The slender graceful stems and foliage are set off to wonderful advantage by the glistening pure white blooms clustered from 6 to 10 around the stem; the petals recurve and show the prominent red pistil in the centre; height 4 feet; blooms in August and September. Large bulbs 25c. each; \$2.50 per dozen.

**Speciosum Magnificum** (Japan); an enormous flower rich deep pink, spotted crimson; the form of the flower is recurved like "Speciosum Album"; this is one of the grandest of the Japanese varieties; height 3 feet; flowers in August. 20c. each. \$2.00 per dozen.

**Speciosum Rubrum or Roseum** (Japan); delicate pink, almost white, spotted red; one of the old garden favorites; very hardy; height 3 feet; flowers in August and September. 20c. each.

**Auratum** (Golden Banded Lily, of Japan); a variety planted most extensively; flowers of enormous size, measuring frequently 8 to 12 inches across; pure white, spotted crimson; each petal is marked in the centre with a band of yellow. The height varies according to location; it prefers a moist, cool, well-drained soil. Flowers in August; delightfully fragrant; a single stem produces on an average from 8 to 15 flowers. Large bulbs, 8 to 9 inches circumference, each, 20c.; per dozen, \$1.75.

**Lilium Tigrinum**; splendid single Tiger Lily; orange, spotted brown. 10c. each. \$1.00 per dozen.

**Lilium Tigrinum**; flore plena. Double Tiger Lily, 10c. each; \$1.00 per doz.

### LILY OF THE VALLEY



**LILY OF THE VALLEY**, one of the most beautiful and admired spring flowering plants. For indoors it forces quickly. Planted outdoors they increase from year to year. Ready in December. Let us book your order.

**BERLIN**, 3-year-old pips, \$2.00 per 100; 25c. doz. Cold Storage, 30c. per dozen.

Add 10c. per dozen for postage.

**EXTRA LARGE CLUMPS**, for outdoor planting, 25c. each; \$2.50 per doz.

### ORNITHOGALUM (Star of Bethlehem)

An attractive flowering bulb for either indoor or outdoor culture. Pure white petal, petal streaked light green with a black flower centre. These are highly fragrant and are especially desirable for planting in woodlands for naturalizing. When used for this purpose, 6 to 12 bulbs should be planted in a clump. For indoor culture, treat them like hyacinths. Flowering time outdoors, April and May; sweet-scented blooms appearing in umbels of 8 or 10 flowers to a stalk; height, 1 foot. Dozen, 30c.; per 100, \$2.25.

## FREESIAS Spireas, Iris, Etc.

**Freesia Refracta Alba**. 3 for 5 cents; 20c. per dozen; \$1.50 per 100.

One of the most popular of the winter blooming bulbs. The flowers are white, borne in graceful clusters, last a long time and have a delightful fragrance. The bulbs force easily and will come into bloom in January and February in an ordinary greenhouse. They also grow well and bloom freely in an ordinary sitting-room if placed near a window and not kept too hot. Will stand a slight freezing without injury. They appear to the best advantage when four or five bulbs are set in light, rich soil, in a six-inch pot, kept in a warm, moist dark place until the plants are well started. Be careful to have good drainage. There is danger in watering too freely until the plants are in flower.

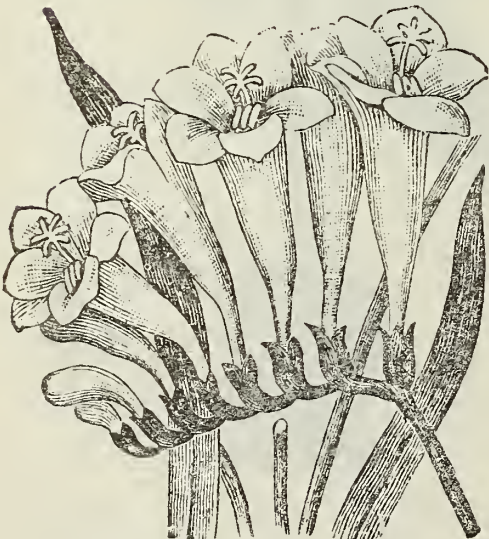
**Freesia Purity**. Gigantic flowers of the purest white on stout wiry stems 2 feet in length; a revelation to those who only know the regular Freesia. As a cut flower they are unrivaled and very desirable. California grown bulbs, 40c. dozen; \$2.50 per 100.

**Spirea (Gladstone)**. Ready in November. Pure white flowers, hardy plants. Monster bulbs. 40c. each. Fine for forcing.

**Spirea Queen Alexandria**. Like above, but flowers pink. Price same.

### ENGLISH IRIS (Iris Anglica)

This type is very similar in character to the Spanish varieties, somewhat dwarfer, more robust, with heavier foliage and larger flowers, flowering two weeks later. These are not suited to forcing, blooming in June. 25c. per dozen; \$1.75 per 100.



## IRIS TINGITANA—(The Latest Novelty in Iris)—Grand Novelty

This Iris may be planted in September or at the beginning of October for forcing and without much care will produce a beautiful light blue flower (twice as large as the usual Iris Hispanica) before the end of November. (Treat like Carnation).

Without doubt the Iris Tingitana will prove to be just the long needed article to all leading Florists with a high-class trade, who are desirous to supply customers with a longstemmed beautiful shaped, light blue flower in a time that other flowers of this color are scarce or not to be had.

We certainly recommend the Iris Tingitana for forcing and they will flower from Thanksgivingday until late in the spring by planting and forcing in succession. 10c. each; 75c. a doz. \$5.00 per 100.

### SPANISH IRIS OR FLAGS (Hispanica)

Graceful, slender stems, a loose but beautiful flower, the charming colors thereof produce a combination not surpassed by an orchid. The exclamation of delight at first sight given forth by those who have not previously seen them are undisputable proof of their well-deserved merit. The finest effect with them are produced when planted in clumps of 25 or 100 bulbs and even more, either in the perennial border or by themselves. The stems are from 18 to 24 inches long; flowering period in May and early June. They may also be grown in pots indoors and stored in cold frames during winter and forced in bloom from March to May. As they are biennial, they must be planted every other year.

Snowball, pure white.....All 15c.  
King of the Blues, bright blue.....dozen;  
Cajanus, yellow.....\$1.00 per  
Bronze Queen, bronze..... 100.

### GERMAN IRIS (Germanica), Ready in October

This is the popular "Flag Iris," thriving best in a high, dry soil; when planting observe that the growing part of the crown protrudes from the soil, and only when established should this be covered entirely. Most effective when planted in masses either in the hardy border in front of shrubbery or in beds.

Named varieties, separate colors, 20c. apiece; \$1.75 a dozen.

### JAPANESE IRIS (Kempferi), Ready in October

The king of all Iris, covering a wide range of color. Named sorts can be selected to cover a flowering period of five weeks, from the middle of June into July. The flowers, many of them, when spread, measures 12 inches across. While they succeed generally in all soils, they delight and thrive best in deep, rich location. 25c. each; \$2.50 dozen.

### SNOWDROPS

Snowdrops, single, desirable for edging, massing or in the lawn; pure white, blooming frequently while there is yet snow on the ground. 10c. doz.; 75c. per 100.

Snowdrops, double, otherwise like above, 20c. doz.; \$1.50 per 100.

Scilla Siberica, a pretty blue flower, making an attractive combination when planted with Snowdrops or Crocus; very early. 20c. doz.; \$1.00 per 100.

### GRAPE HYACINTH

As boys and girls, we probably knew these better as "Blue Bells." This charming bulb is worthy of the best place in the flower garden. Plant them in clusters of 25 or more bulbs; for edging in double rows they are very effective around late tulips or daffodil beds, but they belong rightly in the hardy garden, where they remain undisturbed, increasing yearly in quantity and beauty. For forcing, 12 or more to a 6-inch pot or pan, they are fine, being handled like forcing tulips or hyacinths. Outdoors they bloom in May. 15c. dozen; 80c. per 100.

Colchicum also known as Fall Crocus; these are quite a novelty as they will bloom if put in a saucer without soil or water. Charming flowers resembling Crocus, can also be planted outdoors. Be sure and include a few of these in your order. 5c. each; 50c. dozen.

### OXALIS

Bushy plants admirably adapted to house culture and very attractive as a window plant, as they flower freely, are in bloom a long time and are remarkably free from insects. The flowers are of various shades of yellow, pink, red and white, and are often very fragrant. Plant in pots, six or eight bulbs in a pot, in good, rich soil and cover about one inch deep. They require an abundance of water during the growing season.

	Doz.
Multiflora Alba, white.....	15c.
Bowii, clear red.....	15c.
Cernua Lutea, yellow.....	15c.
Deppei, light crimson.....	15c.

### BERMUDA BUTTERCUP OXALIS

This valuable winter flowering bulb is a selection from Oxalis Cernua, cultivated in the favorable soil and climate of Bermuda, until it surpasses the type in strength, size and luxuriance of plant and flower. The flowers are bright buttercup yellow and are produced in wonderful profusion. This variety is particularly well adapted to shallow pots and hanging baskets because of its long blooming period.

Mammoth bulbs, 35c. per dozen.



AMARYLLIS, Johnsoni

### AMARYLLIS (Ready in August)

Extremely ornamental house plant, with large, fragrant, beautifully colored flowers; with a little care they will bloom every season.

There are a great many species of Amaryllis, all producing lily-like flowers, but varying in color from rich crimson and scarlet to pure white, and in size from delicate blossoms scarcely an inch in diameter to those six to nine inches across.

Belladon, pink, 15c. each; 2 for 25c.

Johnsoni, red and white; extra large bulbs, 25c. each.

Formossima, scarlet, 15c. each; 2 for 25c.

Treatea Alba, extra choice, white, 50c. each.

**CYCLAMEN (Ready in September)**



**CYCLAMEN**

For richness of coloring, variety and duration of bloom, there is no common winter flowering plant so valuable as the Persian or greenhouse Cyclamen. In early winter the bulbs may be set in well drained five or six inch pots in which they are to flower. The soil should be equal parts of turf loam, sand and leaf mould. Keep in a cool, light place, watering lightly at first and then more freely, giving plenty of light and air. While a moist atmosphere is most suitable and the soil in the pots must not get dry when

plants are growing there is nothing more injurious to them than water, if it stands about the roots or if the soil becomes sodden. Very useful plant for window, room or hothouse. Gigantium rose, dark crimson, white, 20c. each. Growing plants, 50c. each.

**Rannuculus or Butter Cup.** Very profuse bloomer similar to a double anemone. A flower that will appeal to anybody, fine for pot culture and window boxes. Bulbs, 3c. each. 25c. dozen. \$1.25 per 100.

**MONTBRETIA**

(READY IN NOVEMBER)



**MONBRETIA.**

Montbretias being hardy and the brightly colored flowers lasting especially well in water, they are very valuable for cutting and decorative purposes. They resemble somewhat the gladiolus, but in a miniature form. The flower-spikes are very brilliant and produced in quantity. Hight, 2 feet. They should be planted in clumps of 50 or 100 bulbs.

**Finest Mixture.** Embracing all colors of the rainbow. 20c. dozen; \$1.00 per 100.

**ANEMONE—(Wind Flower)**

Charmingly hardy spring flowers for the garden with showy single and double blossoms.

Plant in October or November, four or five inches apart and cover one inch deep in a moist, rich, well drained soil, and then if well protected by leaves or litter, very beautiful flowers may be expected. Make the soil rich and water frequently in the spring. The bulbs may be kept till spring, when, if planted early, they will do well.

For forcing indoors, put three or four roots in porous, rich soil in a five-inch pot. Keep the pots in a cool situation until the roots are well started. Anemones succeed well in flats or benches.

Bulbs, 3c. each. 25c. per dozen. \$1.25 per 100.

**Hyacinthus Candicans.** (Summer Hyacinths). A hardy bulb, which produces a fine plant three to five feet high, making a flower head 9 inches to 12 inches long of beautiful white, funnel-shaped flowers in July or later. Large clumps are desirable, fine for cemetery planting. 25c. dozen; \$1.25 per 100.

**M. & S. CHOICE PAEONIES**

Double Paeonies are two 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. 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. 25c. each; \$2.75 dozen.

**Jeanne d'Arc.** Fine rose, center creamy white and sulphur. 25c. each; \$2.75 dozen.

**Paeony Tenuifolia Rosea.** Beautiful pink, 25c. each; \$2.75 dozen.

**Paeony Tenuifolia Rubra.** Bright red, 25c. each; \$2.75 dozen.



**TUBEROUS ROOTED BEGONIA, READY IN DECEMBER.**

Begonias. A most charming plant of easy culture, producing beautiful shell-like flowers in various colors and luxuriant foliage of waxy appearance; used for in-doors only in the winter, but blooms profusely outdoors in summer. Single and double in the following colors; Orange, crimson, pink, white, yellow. 5c. each; 50 dozen.



M. & S. CHOICE PAEONIES

**Japanese Fern Balls.** A very attractive novelty composed of a ball of moss in which the dormant ferns are waiting to be soaked in tepid water and hung up in a warm room, so that they can show their splendor. Large 7 to 9 inch balls, 35c. a piece. Ready in November. Order now. Mailing weight, 1 lb.

## NURSERY DEPARTMENT

### HARDY AND DECORATIVE SHRUBBERY



EVERGREEN

Snow Berry White and  
Crimson. 50c. each.

- Almond. Red or white  
flowering. 75c.
- Althea. White, purple,  
red, 50c.
- Bridal Wreath. White  
flowers. 50c.
- Dutzia. Pink or white  
flowering. 50c.
- Forsythia. Yellow, very  
early. 50c.
- Hydrangea... Bush, white,  
turning red. 50c.
- Hydrangea. Tree, white,  
turning red. \$1.00.
- Lilac. Purple or white  
flowering. 50c.
- Magnolia. White and pur-  
ple flowering. \$2.50.
- Mock Orange. Golden  
leaved. 50c.
- Pirus Japonicus. Japan  
Quince. Scarlet. 50c.
- Spiraeas. Crimson, white  
or pink flowering. 50c.
- Snowball. Japanese and  
common. 50c.
- Weigeleas. White, crim-  
son, pink. 50c.
- Golden Elder. 50c.
- Jessamine Yellow. 50c.
- Purple Fringe. 50c.
- Tamarix Africano. 50c.
- White Fringe. 50c.

### EVERGREEN SHRUBS AND TREES

**Mahonia Aquifolia.** Holly-like leaves, very hand-  
some yellow flowers in May; especially good for  
shady places; 18 to 24 inches. 50c. each; \$5.00 per  
dozen.

**Rhododendrons.** One of the most beautiful plants  
in cultivation; either as a single specimen or in  
masses. We have an assortment of colors; 18 to 24  
inches. \$2.00 each.

### YUCCA (Adam's Needle)

This plant sets off to best advantage if placed as  
individual specimens either on the lawn or in the  
shrubby border. The foliage is of an evergreen  
nature, is slender and pointed. The tall flowerspikes  
rise 4 to 5 feet above the plant and are decked  
with cream white bell-shaped drooping flowers in  
July and August. Truly a majestic plant, and espe-  
cially fine for producing tropical effects. 50c. each;  
\$5.00 dozen.

### ARBORVITAE, FIR, JUNIPER, PINE, RETINO- SPORA, SPRUCE, YEW.

From \$1.00 up, as to size and variety.

BOX TREE from \$1.50 up.

### HARDY CLIMBING VINES

**Clematis.** Large flowering hybrid; purple, white  
or red. 50c. each.

**Clematis Paniculata.** Small; white flowering;  
very fragrant; strong grower. Most satisfactory  
clematis that grows. Large plants, 35c. each.

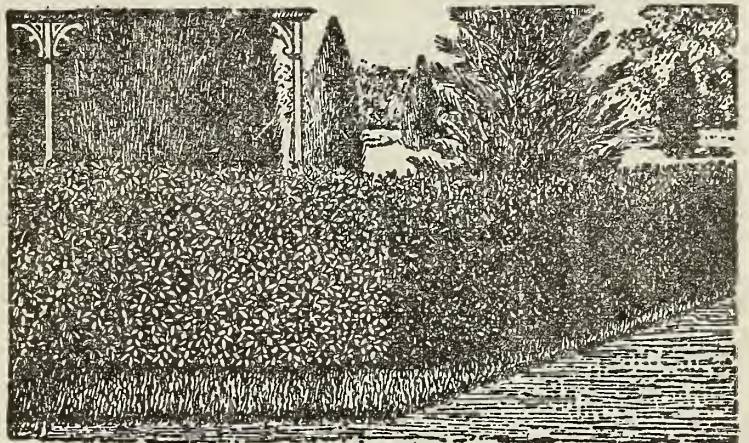
**Wisteria.** White and purple. Two years old.  
50c. each.

**Trumpet Vine.** Two years. 50c. each.

**Honeysuckle.** Popular climber, 25c.

## HEDGE PLANTS

### CALIFORNIA PRIVET



Hedge or California Privet.

Exceedingly beautiful; leaves deep green, bright  
and very glossy; easily transplanted. The plants we  
supply have been grown under our own supervision,  
and only selected stock is sent out. It is unlike a  
fence which needs painting, repairing, etc., and then  
never looks well. This hedge is no further expense  
after planted, and it adds dignity and charm to any  
home, and increases the value of real estate. Being  
absolutely hardy, it increases in its beauty with each  
successive year, and the possibilities are amply dis-  
played at some of the model suburban home grounds  
in and around Baltimore. 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 thor-  
oughly manured, and receive an additional liberal  
application of pure bone meal and both worked in  
with a spade. Plants should be set 12 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 15th.

**California Privet.** Two years, 3 to 4 ft., \$5.00  
per 100; \$37.50 per 1000. Two years, 2 to 3 feet,  
\$4.00 per 100; \$32.50 per 1000. Two years 1½ to 2  
feet, \$3.50 per 100; \$25.00 per 1000.

HEDGE CONTINUED NEXT PAGE.

**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. \$2.00 per doz.; \$15.00 per 100; 2 to 2½ ft., \$4.00 per doz.; \$27.50 per 100.

## FRUIT TREES AND BERRIES

### CHERRIES

**Black Tartarian Cherry.** Very large; purplish black; half tender; flavor mild and pleasant. Tree a remarkably vigorous, erect and beautiful grower, and an immense bearer. Ripe last of June and beginning of July. One of the most popular varieties in all parts of the country.

**Governor Wood,** yellow; **Florence,** red; **English Murillo,** red, tart, and other leading varieties. 50c. each.

### APPLES

**Baldwin.** Large, roundish; deep bright red; very productive; handsome fruit. One of the most popular varieties in Northern States.

**Ben Davis.** Large, handsome, striped, productive; a late keeper. A profitable market sort.

**Grimes' Golden** (Grimes' Golden Pippin). Of the highest quality; deep golden yellow, aromatic, spicy and rich. Tree vigorous and productive.

**Maiden's Blush.** Rather large and smooth, evenly shaded red or blush on a clear, pale yellow ground; with a pleasant sub-acid flavor.

**Red Astrachan.** Large, roundish, deep crimson, overspread with a thick bloom; juicy, rich, acid, very productive.

**Rhode Island Greening.** Large, greenish-yellow; tender, juicy and rich, with rather an acid flavor; an abundant bearer.

**Smokehouse.** A popular old variety in Pennsylvania, where it originated. Roundish oblate; yellow-shaded and striped with bright red; flesh yellowish. A rather crooked grower, but productive.

**Northern Spy.** Large, roundish, slightly conical. Flesh white and tender, with a rich and delicious flavor. The tree should be kept open by pruning, so as to admit air and light freely.

**Wine Sap.** Medium size, dark red; of rich flavor very productive; late.

Any of the above in 6 to 8 feet trees, 50c. each; dozen, \$5.00.

We can also supply all other varieties. Also Crab Apples.

### PEARS

**Bartlett.** Large size, with a beautiful blush; buttery, very juicy; bears early and abundantly.

**Flemish Beauty.** Large, beautiful, juicy, melting; good bearer; one of the hardiest and does well nearly everywhere.

**Howell.** Large, light, waxen yellow, with a fine red cheek; handsome, rich; aromatic flavor. An early and profuse bearer.

**Kieffer.** While not of best quality, properly ripened it is a fair dessert fruit, and one of the very best for canning and preserving.

**Lawrence.** A good grower; very productive. Fruit medium, canary-yellow, sweet and excellent; a good keeper.

**Le Conte.** Very vigorous grower, with luxuriant foliage; fruit very large; greenish-yellow, smooth and handsome; juicy. Early.

**Rossney.** A large variety of rare merit; flesh fine grained and of superior flavor; skin a beautiful creamy yellow, with crimson blush, giving it a tempting appearance; ripening in September.

**Worden-Seckel.** A seedling of the Seckel. Equal in quality to its famous parent, which it much resembles in flavor, is equally as luscious, more juicy, while in size, color, form and appearance it is decidedly superior; hardy and an enormous bearer; fruit keeps well.

Extra Strong Trees, 5 to 7 feet high, 50c. each; per dozen, \$5.00.

We can also supply all other varieties.

### PEACHES

Trees such as we furnish will often bear the year after they have been set out.

**Crawford's Early.** The best yellow peach for market; fruit large, oblong; skin yellow, with fine red cheeks; flesh yellow, juicy; wonderfully productive.

**Crawford's Late.** Fruit of the largest size; skin greenish-yellow, with dull red cheek; flesh yellow; one of the finest late sorts.

**Elberta.** Large, yellow, with red cheek; flesh yellow; firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. Is doing well in all peach sections north and south. One of the leading market varieties. Follows Early Crawford.

**Mountain Rose.** The largest early peach. White, with red cheek; rich and very good; productive and reliable. Free stone.

**Oldmixon Free.** Uniformly large; white, covered with bright red; one of the best.

**Stump the World.** Very large; skin white, with bright red cheek; flesh white, juicy and good.

Extra strong Trees, 5 to 6 feet high, 40c. each; per dozen, \$4.00.

We can also supply all other varieties.

### PLUMS

**Abundance.** The fruit is very large, showy and beautiful. Amber, turning to a rich, bright cherry color. Ripens early in August.

**Burbank.** Medium to rather large, conical in form; orange-yellow, overlaid with red; flesh firm, meaty, yellow; from two to four weeks later than Abundance.

**Hale.** The plums are of the largest size, bright orange-yellow skin, mottled and nearly covered with vivid cherry-red.

**Red June** (Japan). Vigorous and early; fruit medium to large, deep vermilion-red; very showy; flesh light lemon-yellow.

**Sultan.** Very large in size; deep purplish-crimson in color; flesh very firm, dark crimson shaded with pink.

**Wickson.** Fruit large, obconical, dark crimson-purple; flesh very firm, highly flavored; pit small. An excellent keeper. Ripens after Burbank.

**Wild Goose.** Large, rich, crimson; very productive and profitable.

Extra Strong Trees, 5 to 6 feet high, 50c. each; \$5.00 dozen.

## CURRENTS



FAY'S PROLIFIC CURRANT

**Fay's Prolific.** By odds the best Red Currant we have. Large, wonderfully prolific and of good flavor. Has now been fruited here and is simply grand. It far surpasses all other red varieties, and has fully sustained the broad claims which were made by the disseminator upon its introduction. The bush is a strong grower and comes into bearing early. Price, \$1.25 dozen. All other popular varieties at same price.

Gooseberries. Popular varieties. \$2.00 dozen.  
 Blackberries. Popular varieties. \$1.25 dozen.  
 Raspberries. Popular varieties. \$1.25 dozen.  
 Raspberries St. Regis. Everbearing. \$1.50 per dozen.



SILVER MAPLE

## STRAWBERRY PLANTS (Extra Strong Layers)

Ready from October 1st to November 15th.  
**Early Varieties.** Abington, Chipman, Senator, Dunlap, Success.

**Mid-Season Varieties.** Auto, Bubach, Cardinal, Heritage, Nick Ohmer, President, William Belt, Marshall.

**Late Season Varieties.** Brandywine, Gandy, Glen Mary, Norwood, New Home, Superior, Sample, Sharpless, Steven's Late Champion, Haverland.

Price of any of the above, 25c. dozen; 100, \$1.25; 1000, \$7.50.

**Pot-Grown Strawberry Plants.** Ready about August 1st. Of late this kind of plant has become very popular, and is almost exclusively employed for garden planting. The failures are few, and much care and labor are avoided. We grow the plants in pots, and when they are well established and ready to ship turn them out of the pots, preserving the balls of earth around the roots and wrapping them in paper. In this way, during the hottest weather in July, August and September, plants can be transported safely and transplanted satisfactorily. Plants set out in August and September will yield a crop next season. We can furnish Sharpless, Late Orem, Medium, Nick Ohmer, Early and other popular varieties. 50c. dozen; 100, \$3.50.



**Fallbearing Potted Strawberries.** Superb and Progressive. 75c. dozen; \$4.00 per 100.

## GRAPE VINES

Blue Concord, Green Niagara and Delaware Red; two-year-old stocks. 40c. each.

## QUINCES, APRICOTS, NUTS

And all other Fruit Trees can be furnished promptly at reasonable prices for reliable stock.

## SHADE TREES

Norway Maples. 8-10 ft., \$1.25; 10-12 ft., \$1.50.  
 Silver Maples. 10-12 ft., \$1.00.  
 Catalpa Bungeii. Umbrella Tree. 6-8 ft., \$2.00.  
 Poplar, Carolina. 10-12 ft., \$1.00.  
 Poplar, Lombardy. 8-10 ft., 75c.  
 Teas Weeping Mulberries. 5-6 ft., \$2.00.  
 Weeping Willows. 5-6 ft., 75c.  
 Betula Alba or White Birch. 8-10 ft., \$1.00.  
 American Lindens. 8-10 ft., \$1.00.  
 Japanese Maple. Blood leaf. 2-3 ft., \$2.25.  
 Cornus Rubra, or Red Dogwood. 2-3 ft., \$1.50.  
 Cornus Florida, or White Dogwood. 3-4 ft., \$1.50.  
 Oriental Plane. 10-12 ft., \$1.00.  
 American Elm. 10-12 ft., \$1.00.  
 Tulip Tree. 8-10 ft., \$1.00.  
 Sycamore. 10-12 ft., \$1.00.

Write for prices on larger quantities.

If goods are to be sent via Parcel Post always include the proper amount for same with your remittance. Poisons and Liquid can not be sent by Parcel Post.

Orders for dozen lots of any bulbs postpaid. Hundred and thousand lots carriage extra.

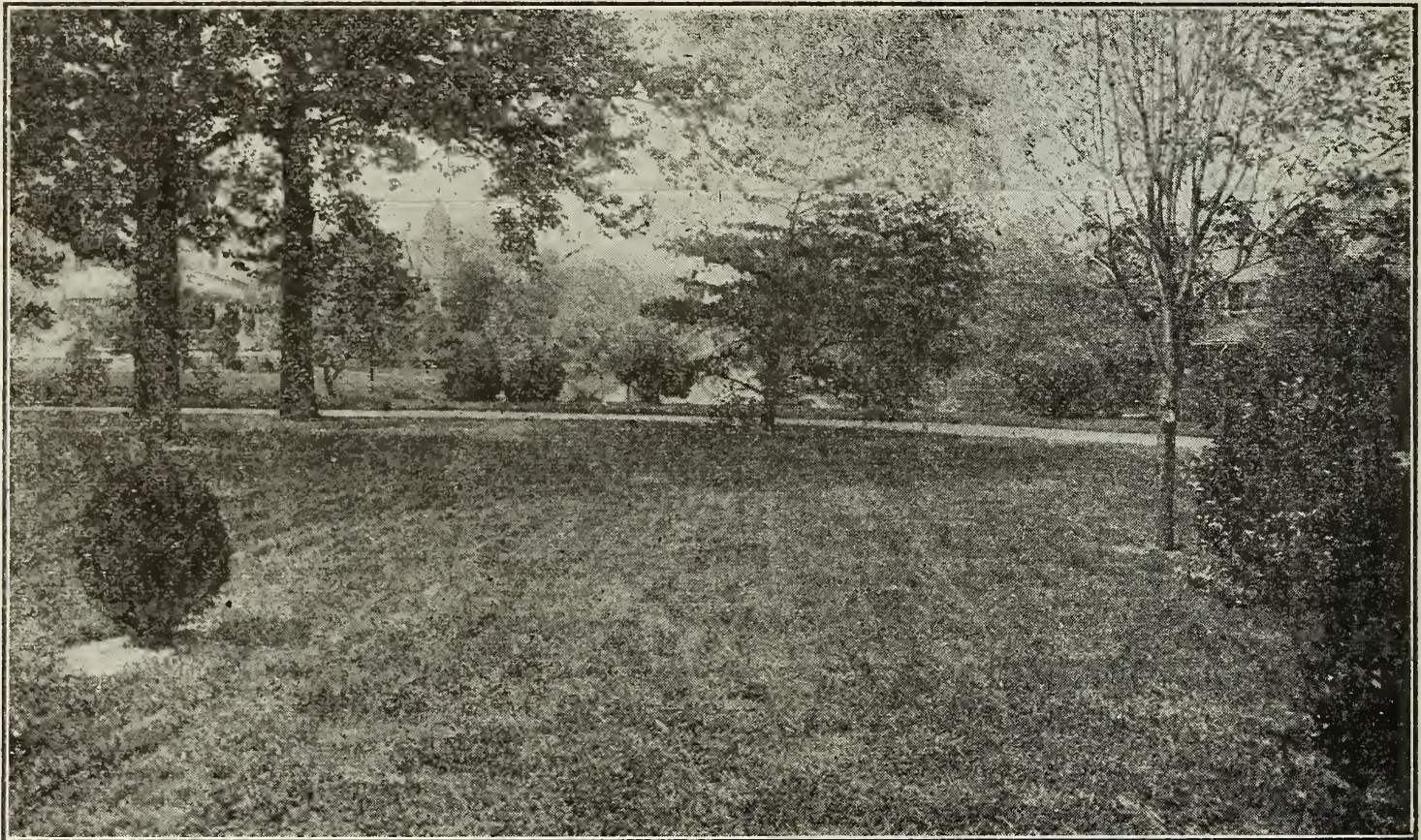
Trees and plants should be sent by express.

## M. & S. CELEBRATED LAWN AND FIELD GRASS SEED MIXTURES

### M. & S. Roland Park Lawn Grass

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. This special mixture produces 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 velvety 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.

¼ lb., 10c.; ½ lb., 15c.; 1 lb., 25c.; 5 lbs., \$1.10; bu. of 20 lbs., \$4.00.



A Lawn Seeded With M. & S. Roland Park Lawn Grass Seed Mixture

**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. ¼ lb., 10c.; ½ lb., 20c.; 1 lb., 30c.; 5 lbs., \$1.35; bu. of 20 lbs., \$4.75.

**M. & S. Pleasure Grounds 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. Lb., 25c.; 5 lbs., \$1.00; bu. of 20 lbs., \$3.75.

**White Clover.** Some White Clover is usually included in lawn grass mixtures. It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in Spring or Fall. In mixtures, one or two pounds; if alone, eight or ten pounds to the acre. ¼ lb., 20c.; ½ lb., 35c.; lb., 60c.

**M. & S. Special Grass Mixture for Hay and Pasture.** M. & S. Pasture Mixture is prepared to meet the average need. It is made up of the grasses best calculated to afford an abundant and nutritious food supply for stock. Its formula is based upon successful experience. For all ordinary permanent pasturage it will be found entirely satisfactory. Bushel of 14 lbs., \$2.75.



## PURE CULTURE MUSHROOM

### SPAWN

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 a complete guide on Mushroom culture, which otherwise sells for 35 cents.

The ever-increasing demand for this delicacy for hotels and the home table has resulted in the establishment of many successful commercial growers.

**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.

Prices for direct bricks; 1 brick, 25c.; 5 bricks, \$1.10; 10 bricks, \$2.00; 25 bricks, \$4.00. Weight of 1 brick, 21 ounces.

#### ASPARAGUS ROOTS (Ready in October)

Giant d'Argenteuil. Two years old. 75c. per 100; \$5.00 per 1000.

Columbian Mammoth White. Two years old. 75c. per 100; \$5.00 per 1000.

Conovers Colossal. Two years old. 75c. per 100; \$5.00 per 1000.

Palmetto. Two years old. 75c. per 100; \$5.00 per 1000.

#### RHUBARD ROOTS (Ready in October)

\$1.00 a dozen; \$7.50 per 100. Strong roots.

## LANDSCAPE GARDENING

### A NEW INNOVATION

If you want to lay off a new place in shrubs or flower beds, give us the size of your lot and our Landscape expert will make suggestions FREE of charge.

We are constantly in touch with leading Landscape Gardeners and are best prepared to lay off your gardens to be a show place in your community.

**Spencer Varieties Mixed Sweet Peas—**  
A special mixture of the Spencer type. Pkg. 5c. oz. 15c, ¼ lb. 50c. lb. \$1.75.

## CHRISTMAS, OR WINTER FLOWERING SWEET PEAS

For Forcing Indoors.  
Christmas Pink—  
Pink and White.  
Christmas White.  
Christmas Captain—  
Blue and Purple.  
Christmas Meteor—  
Scarlet.  
Mrs. William Sim—  
Salmon Pink.

Mrs. Alex. Wallace—Lavender.  
Pkt., 10c. oz. 25c, \$2.00 lb.

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



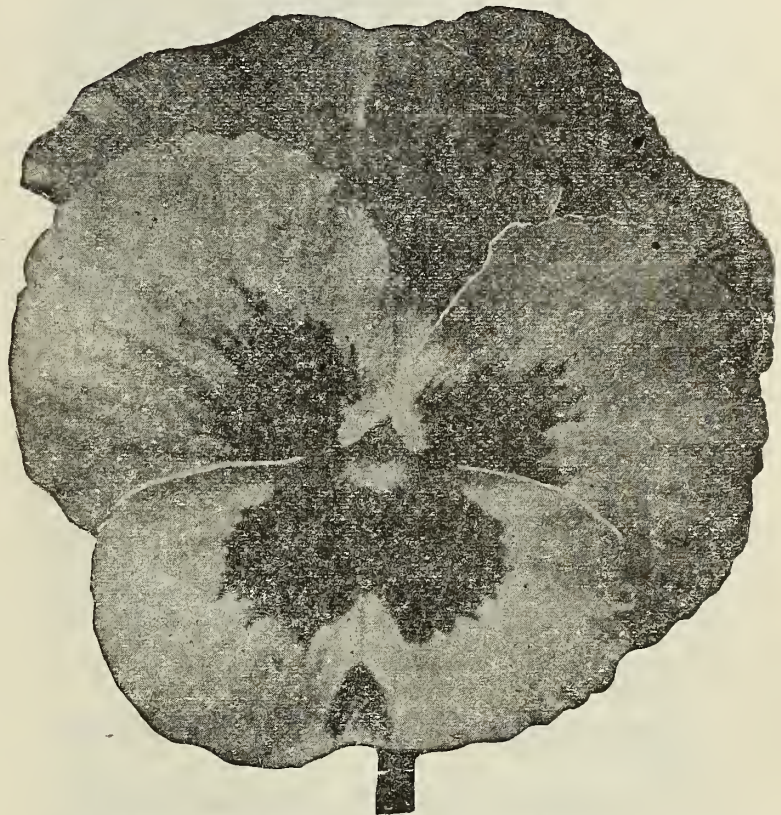
## M. & S. SWEET PEAS

Splendid results are often obtained from sowing Sweet Peas in October or November. A perfectly drained soil so situated as not to be subject to too frequent or severe freezing should be selected, and the seed covered about 6 inches.

### M. & S. GILT-EDGE MIXTURE SWEET PEAS

This superb mixture is blended by us with extraordinary care from named varieties of the most approved 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.; lb., 75c.

## M. & S. PANSIES



**Pansy.** If sown outside in October will bloom the following spring. Grown indoors it makes a fine winter blooming pot plant.

**M. & S. Giant Exhibition.** A blending of our own containing only the very choicest specialists of Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. 10c. pkt.; 3 for 25c.; \$2.50 per oz.

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

**Very Fine Mixed.** Pkt., 5c.; oz., 75c.

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

"M. & S." Giant Pansies in separate colors.

Lord Beaconfie'd—Purple violet with 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 10c. pkt.; 3 pkts., 25c.

## FERTILIZER AND PLANT FOODS

**Ober's Pure Raw Bone Meal.** (Guaranteed analysis—Phosphoric acid 21%, equivalent to bone phosphate of lime 48%, ammonia 4½%). Does not burn. For flowers, trees and top dressing. 6 lbs., 25c.; 25 lbs., \$1.00; 100 lbs., \$3.00; 200 lbs., \$5.50; ton, \$43.00.

**Ober's Pure Bone Meal.** (Guaranteed analysis—Phosphoric acid 22%, equivalent to bone phosphate of lime 50%, ammonia 3%). Splendid article for building up worn-out soil, lawns, etc. 6 lbs., 25c.; 25 lbs. 75c.; 100 lbs., \$2.75; 200 lbs., \$4.75; ton, \$38.00.

**M. & S. Coconut Fibre Soil.** For price and description see inside back cover page.

## ALPHANO HUMUS

The best for flowers, shrubbery, vegetables, lawns, and alfalfa clover inoculation, being the best humus obtainable and containing the necessary **Plant Food**—ammonia, phosphate, lime and potash, in a soluble form. Being odorless and entirely sanitary, it can be used indoors around potted plants. We can recommend a liberal use for bulbs of all kinds for fall planting, and it should be dug in well around all shrubbery in the fall to give good results next spring. Price, \$1.50 per bag of 100 pounds; in 5 bag lots, \$1.25 per bag; in ton lots, \$1.00 per bag; 3c. per lb. in small quantities.

**Sheep Manure.** Apply 1000 lbs. per acre. For garden, lawn or greenhouse use nothing surpasses sheep manure. It is clean and easily handled, besides giving immediate results. 1 lb., 5c.; 25c. per 6 lbs., 10 lbs., 40c.; 75c. per 25 lbs.; 50 lbs., \$1.25; \$2.00 per 100 lbs.

**Lime (Hydrated or Powdered).** This is a very fine article for distributing on grass. It promotes growth, gives the grasses rich color, and has a tendency to prevent the growth of weeds. Apply one ton per acre on fields or one-half ton on lawns. Per 120-lb. sack, \$1.00; 240 lbs., \$1.75. Special prices in quantities.

**Nitrate of Soda.** Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizer to render application more easy. Use only after plants are above ground. If used in liquid form dilute two ounces to one gallon of water and do not apply oftener than twice a week. 1 lb., 10c.; 3 lbs., 25c.; price in quantities on application.

**Blood (Dried).** For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 1 lb., 10c.; 3 lbs., 25c.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$5.00.

**Poudrette (Native Guano).** Apply 1000 lbs. per acre. Extensively used for garden, lawns, in making compost, and in fact wherever a good, quick-acting fertilizer is wanted. It is odorless and easily handled. Poudrette is absolutely harmless to human beings. Applied as fertilizer to any garden crop. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs.; 60c.; \$1.00 per 50 lbs.; 100 lbs., \$1.50; \$2.75 per 200 lbs.; price in quantities on application.

**Sterlingworth Plant Food Tablets.** Prices: Large size, 25c., postpaid; trial size, 10c., postpaid.

**"Fluurette."** A liquid plant food. Makes strong and rapid growth, gives luxuriant foliage, enlarges and nourishes the bloom. To be diluted. ½ pt., 15c.; pt., 25c.; qt., 40c.; ½ gal., 75c.; gal., \$1.15.

**Evergreen Brand Fertilizer.** Feed your flowers and plants on the most reliable and profitable greenhouse manure. Contains 15% Potash. Lb., 15c.; 12 lb., cans, \$1.25; 50-lb. drums, \$4.50.

## M. & S. INSECT DESTROYING PREPARATIONS, ETC.

**"Thanatus."** An insecticide to destroy mealy bugs, snail, green fly, red and black spider, black flea, scale and all insects that infest plant life. "Thanatus" is very adaptable for all indoor plants, and always ready for use by diluting with water. Can, ½ pint, 25c.; pint, 40c.; quart, 75c.; ½ gal., \$1.00; gal., \$1.75; 5 gal., \$5.00.



**Hammond's Slug Shot.** A non-poisonous powder; it requires no further mixing or preparation: easily applied, and not injurious or dangerous to animals or the person applying it, or fruits and vegetables treated;

destroys potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc. Ten to forty pounds is enough for an acre. 5-lb. pkg., 25c.

**"Bug Death."** Kills potato, squash and cucumber bugs, currant and tomato worms, and all bugs and worms that chew the leaves of plants. Non-poisonous. Lb., 15c.; 3 lbs., 35c.; 5 lbs., 50c.; 12½ lbs., \$1.00.

**Lemon Oil "Standard" Insecticide.** As a dip or a spray effective and harmless to delicate plants. Destroy thrip scale, red spider fly, caterpillar, American blight, etc. Dilute with 50 parts of water. Odorless, poisonous the best flea killer wash and mange remedy for dogs and cats. ½ pint, 25c.; pint, 40c.; quart, 75c.; ½ gal., \$1.25; gal., \$2.00.

**Sulpho-Tobacco Soap.** A sure and safe exterminator of all kinds of insects and vermin. A powerful fertilizer. Pkg., 10c. and 20c.; postpaid.

**Tobacco Dust.** Lb., 5c. Special price on quantity.

**Flowers of Sulphur.** Effective for mildew. Lb., 10c.

**Fish Oil Soap.** It is a fish oil soap the killing values of which are increased by the addition of tobacco and tobacco extractive matter. It possesses the valuable features of whale oil or fish oil soap with the additional insecticide values of tobacco, and may be used for all insect-killing purposes for which whale oil or fish oil soap may be used, with doubly satisfactory results. Lb., 25c.; 5 lbs., 75c.

**Grape Dust.** A powder preparation used for mildew, aphid, black fly and other insects and fungous diseases, principally in greenhouses. Per 5 lbs., 40c.; 75c. per 10 lbs.; per 25 lbs., \$1.75; \$6.00 per 100 lbs.

**"Nico-Fume."** A tobacco paper insecticide for fumigating greenhouses. Extensively used by prominent florists. Very easy to apply. 24 sheets, 85c.; 144 sheets, \$4.00.

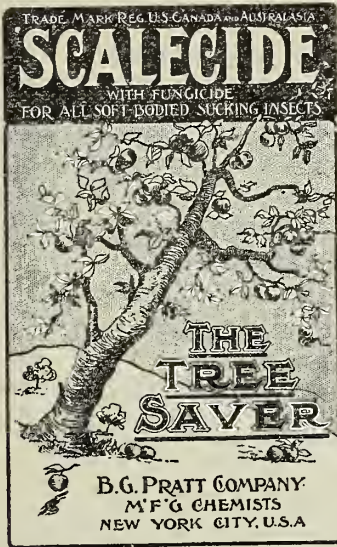
**"Nico-Fume" Liquid.** A refined solution of free nicotine. Used as a spray or fumigator. Death to all kinds of insects that infest plant life. ¼-lb. can, 50c.; lb. can, \$1.50; 4-lb. can, \$5.50.



**Black Leaf 40.** A concentrated solution of Nicotine Sulphate, an excellent spray for black aphid sucking insects of all kinds; dilutes 1 part to 900 or 1000 parts of water, according to treatment. One-half pound makes 47 gallons solution. Full directions on each package. 1 oz. bottle, 25c.; ½ lb. can, 75c.; \$2.50 per 2-lb. 10 lbs., \$10.75.

**Oriole Weed Killer.** A scientific preparation for destroying grass and weeds in paths, roadways, streets and gutters. To be diluted with water. Qt., 35c.; 1 gal., \$1.00; 5 gals., \$4.00; 10 gals., \$7.50; barrel lots, 65c. per gallon. One gallon makes 40 gallons of solution.

If goods are to be sent via Parcel Post always include the proper amount for same with your remittance. Poisons and Liquid can not be sent by Parcel Post.



**"Scalecide"—The Tree Saver.** Are your trees healthy and vigorous? If so, "Scalecide" will keep them so; if not, we will guarantee that "Scalecide" applied once yearly, while the trees are dormant, will do more to bring them back to health, vigor and fruitfulness than any other spray you can use.

One gallon of "Scalecide" will spray as many trees as 3½ gallons of Lime-Sulphur Solution. Dilute for all dormant spray work 1 part to 15

parts of water. 1 qt., 40c.; 1 gal., \$1.00; 5 gals., \$3.75; 10 gals., \$6.75; 30 gals., \$16.00; 50 gals., \$25.00.

**"Sulfocide."** This is a soluble sulphur compound, and when used as a paint will protect young trees from the attacks of rabbits and mice, and also from apple and peach borers. One or two applications last a year.

"Sulfocide" as a fungicide is invaluable in the garden for controlling most fungous diseases affecting vegetables, when a poison is not needed.

One gallon makes 200 to 300 gallons of spray.

Especially valuable for rusts, mildew and red spiders on roses, hollyhocks, etc. 1 pt., 50c.; 1 qt., 75c.; 1 gal., \$2.00



**RHODES DOUBLE-CUT LOPPING SHEARS**

For trimming trees, bushes, heavy shrubbery, etc. Makes an absolutely clean, perfect cut; the blades are concave at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating lopping shears ever made or sold; 24-inch handle. Price, \$2.50. P. P. weight, 5 lbs.

**"KEEN KUTTER" TREE PRUNER**

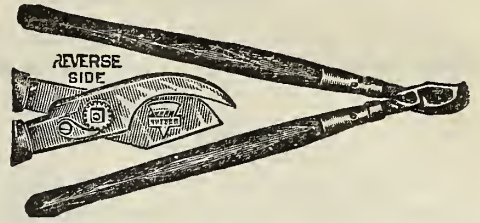
Select hardwood pole; natural finish, forged steel hook. 8 ft., 90c.; 10 ft., \$1.10; 12 ft., \$1.25. Cannot be sent by Parcel Post.

**HAND PRUNING SHEARS**

8½-inch full polished German pruner, \$1.00; weight, 1 lb.; 8½-inch, No. 1537, a good pruner, 50c. 1 lb. 6-inch. Ladies' Pruner, full polished, 85c. postpaid.

**"KEEN KUTTER" PRUNING SHEARS**

Curved blade and hook. Forged from highest grade crucible steel; polished; ratchet tightening nut; extra heavy and long steel ferrules;



handles riveted through ferrules and tang; hardwood handles; natural finish. 20-inch handle, \$1.50; 24-inch handle, \$1.75. P. P. weight, 5 lbs.

**Unique Hedge Trimmer — Fig. 23.**

No experience is required to operate the "Unique" Hedge Trimmer. It is so simply constructed, so easily operated and so effective that a novice can do the work better and more easily with our trimmer than a professional with the old method of trimming with the hedge shears. Price, \$5.00 a pair. Weight, 4 lbs.

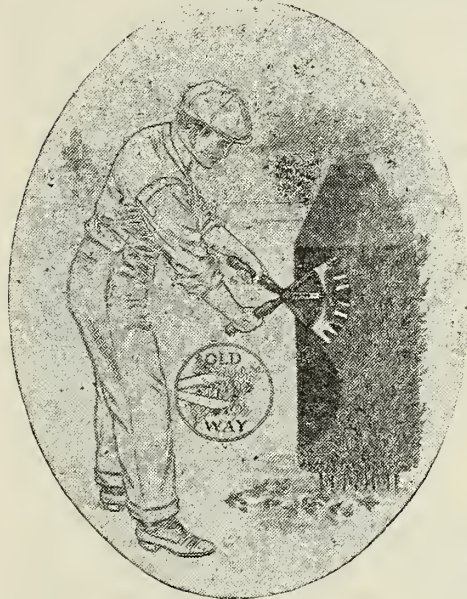


Fig. 23

**Solid Steel Imported Hedge Shears—Fig. 1.** The celebrated English shears. 12 in. \$2.25, 10 in. \$2.00, 9 in. \$1.75, 8 in. \$1.50. 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 in. cut.** Price \$1.25. Parcel Post weight 2 lbs.

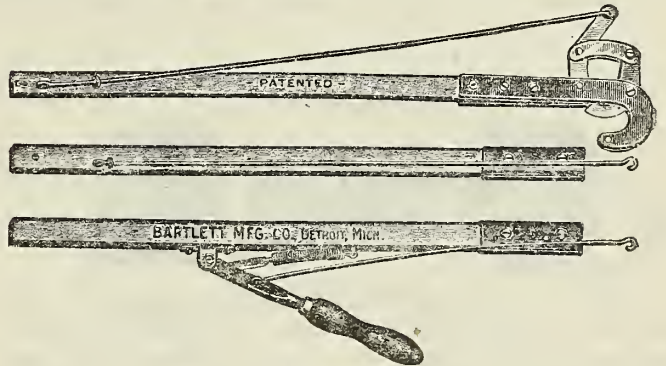


Fig. 24

**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, \$2.75. Parcel Post weight 8 lbs.

**FLOWER GATHERING SCISSORS**

Large and perfect. Do not tire the hands. Price, \$1.00. Postpaid.

**GRASS AND SHEEP SHEARS**

Full polished, imported shears, \$1.00; 1 lb. half polished, excellent quality, 75c. and 50c.; fine for trimming grass.

**PRUNING KNIVES**

Horn handle, 75c.; wood handle, 65c. Postpaid.

**BUDDING KNIVES**

Ivory handle, \$1.25; bone handle, \$1.00; combined pruning and budding \$1.00; postpaid.

**PRUNING SAWS**

Made of the very best material. 75c., somewhat larger, stronger and coarser teeth \$1.00. Weight 2 lbs.

**GRAFTING WAX**

¼ lb., 10c.; ½ lb., 20c.; 1 lb., 35c.

**RUBBER PLANT SPRINKLERS**

They can be used for sprinkling plants, cut flowers, etc.; also for dampening clothes and carpets and for disinfecting purposes.

No. 1. Straight neck \$1.00; angle neck, \$1.00. 1 lb. each.

No. 2. Straight neck. Fig. 3, 75c.; angle neck, 75c. 1 lb. each.

**Insect Powder Bulb.** Small size, 10c. Large size, 25c.; postpaid.



No. 3.

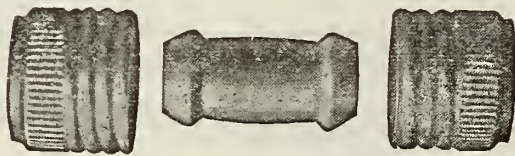
**GARDEN HOSE.**

**Norwood**—Continuous length molded Hose. We can furnish any length of this hose desired up to 500 feet lengths; as good as any hose at 15c per foot, including couplings, in 25 feet lengths or over. Other grades at 10c, 12c, 13c, in 25 and 50-foot lengths.

Wood Hose Reels.....\$1.00  
Iron Hose Reels.....2.00

Boston Combination Nozzle, 50c., postpaid.

**THE SURE-SHUT HOSE MENDER**



The simplest, strongest and best device on the market for repairing leaky hose. No tools whatever are necessary to attach it. Can be put on with the hands alone in less than a minute. Makes an absolutely water-tight connection. Is made entirely of brass; will not rust. Will fit any make of hose. Can be detached and used over and over again. Each, 15c.; per dozen, \$1.50; postpaid.

**HOTBED GLASS**

Box of 90 panes 8x10, \$2.50.

**HOTBED MATS**

40x76 size, covers one sash; 76x76, covers two. Price furnished on application.



**WHITE PINE SASH**

Made to hold either 24 or 28 8x10 panes. These sash are grooved so that the panes slide in and butt one against the other. Price of either size, 90c. each.

**TWEMLOW'S OLD ENGLISH GLAZING PUTTY (Semi-Liquid).**

For bedding glass in sash and filling cracks or seams in roof joints or frames of hotbeds or greenhouses. Gal., \$1.40.

**PUTTY BULBS.**

For applying liquid putty, \$1.00. 1 lb.

**PEERLESS GLAZING POINTS**

(Imp. Van Reyper). Per box of 1000, 60c.; pincers, pair, 50c.; postpaid.

**PLANT BED CLOTH**

A cheap substitute for glass, and will keep out many degrees of frost. Also useful for shading material. Samples mailed on application. Heavy grade, yard, 12c.; postpaid.

**SELF-REGULATING HOT HOUSE THERMOMETER**

Best grade, \$3.25; second grade, \$2.25.

**HOT BED THERMOMETER**

Fig. 1. Price, \$1.50.  
Incubator Thermometers. Regular style, 60c.  
Tycos Certified Thermometer, \$1.00.  
Brooder Thermometers, 40c. and 50c.



Fig. 1.

**RAFFIA (Fig. 9).**

Very good for tying in garden and hothouse, 20c. a lb.; hanks contain about 2½ lbs.

**BINDER TWINE**

12c. lb.; 5-lb. balls.

**FODDER YARN OR TAR ROPE**

15c. lb. Special price in quantity. Original coils about 55 lbs.

**GARDEN TROWELS**

All steel shank, 50c. Regular pattern, 25c. and 75c.; postpaid.

**PLANTING PEGS OR DIPPLES, 30c.**

Rakes, Shovels, Weeders, Spades and all Garden Tools. Send for special catalogue.

**The "Union" Boot Protector**

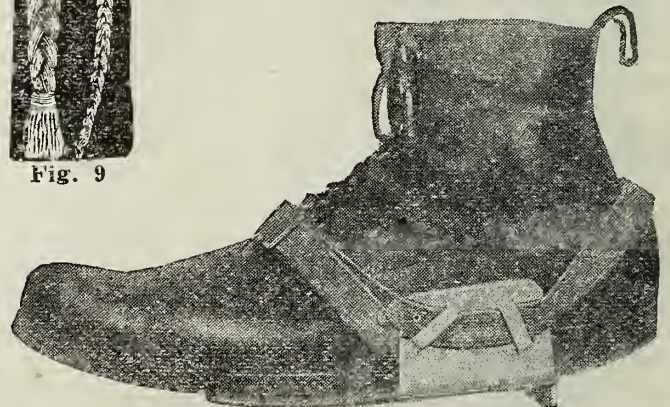


Fig. 9

Used in Excavating, trench and railroad work, Adds life to the boot or shoe. Used by shovelmen, prospectors, farmers, gardeners, etc. Excellent for painters in standing on ladders. Big relief to the instep.

Made of sherardized steel (rust-proof). Fitted with webbing strap.

Lightens the work and prevents sore feet. Price 50c pair. Parcel Post weight 1 lb.

**Weed Killer "ERADO" Weed Killer**



"Erado" does away with the old-fashioned, laborious and back-breaking method of digging up dandelions and weeds of all kind by hand.

With this handy tool the dandelion or weed is completely killed.

An amount of weed-killing solution is dropped on the root; then by turning the tool the top of the plant is cut off. "Erado" has two knives so placed that the top of a plant is cut off by only one-half turn of the tool.

It is a simple matter to refill "Erado." Remove the handle by a half turn. The solution is then put in the tube and the handle is easily replaced. "Erado" is then ready for work. Push the plunger into the center of the plant. The solution is automatically allowed to run down on to the roots of the plant. Then give "Erado" a quick half turn and the top of the plant is cut off.

**SOLUTIONS TO BE USED**

For killing dandelions and most ordinary weeds, gasoline or salt solution can be used to advantage. One pound of salt should be used to one quart of water.

For killing pig-weed, rag-weed and quack-grass, use a solution of iron sulphate.

Try "Erado." It is guaranteed. If it is not entirely satisfactory, you can return this implement for the full purchase price, 60c. Parcel Post weight 2 lbs.

**M. & S. RELIABLE SPRAYING APPARATUS**

**The Paragon Sprayer**

The best all-around Sprayer ever sold. Excellent for applying whitewash or cold water paint. General Spraying and Greenhouse work.

No. 0. Equipped with a 3-gallon reservoir, 4 feet of hose, nozzle and extension pipes. \$9.00.

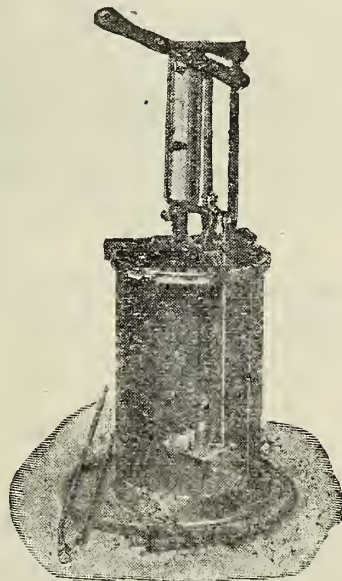
No. 1. With a 5-gallon reservoir, 5 feet of hose and 2 extension pipes, \$11.50.

No. 3. Equipped with a 12-gallon tank mounted on a truck, three 2½-foot extension pipes, 2 nozzles and 10 feet of hose. \$17.00.

**Extension Pipes, etc.** For reaching into trees; ⅜-inch threads.

**Bamboo, with brass tube, 8 ft., \$2.00.**

**Bamboo, with brass tube, 10 ft., \$2.50.**

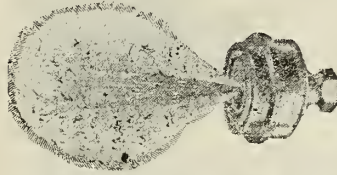


No. 1 Paragon Sprayer.

**Brass Extension Rods, for Auto Sprays, 2 ft., 45c.**  
**Stop Cock, for extension pipes, 40c.**  
**Spray Nozzles—Vermorel. All brass. 75c.; post-paid.**

**THE NON-CLOG AUTOMATIC NOZZLE**

Is unequalled for perfect and even distribution of spray, fine mist-like effect, adaptability to various conditions, simplicity, accuracy of construction and lightness in weight. The nozzle is made either

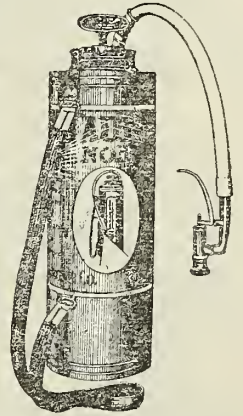


of cast bronze or aluminum, as required. It has full threads turned on a turret lathe and not stamped from thin metal with spun threads. The nozzle may be adjusted to throw every graduation

of spray, from a fine, wide, bell shape to practically a solid stream, throwing a distance of 20 feet. The adjustment is simply made. ¼-inch thread. Non-Clog Junior, for small work, 60c.; Non-Clog Regular Aluminum or Brass, \$1.00. All above post-paid.

**THE AUTO SPRAY**

It operates with compressed air; safe and efficient; liquid capacity four gallons; pressure capacity 40 pounds. No sprayer is sold under broader guarantee for efficiency and durability. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best, as corrosive solutions can be used in it without injuring the same, and the extra cost over the galvanized will prove a good investment.



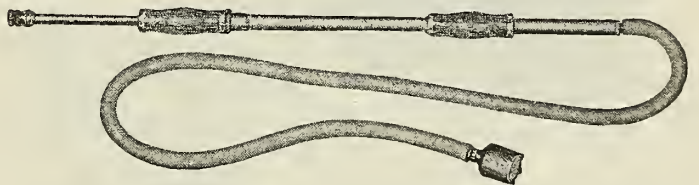
No. 1-A, Brass, equipped with hose and regular nozzle, \$7.25. 15 lbs.

No. 1-B, Brass, equipped with hose and Auto-Pop Attachment, \$7.75. 15 lbs.

No. 1-C, Galvanized Iron, equipped with hose and regular nozzle. \$5.00. 15 lbs.

No. 1-D, Galvanized Iron, equipped with hose and Auto-Pop, \$5.50. 15 lbs.

**AUTO-SPRAY NO. 5**



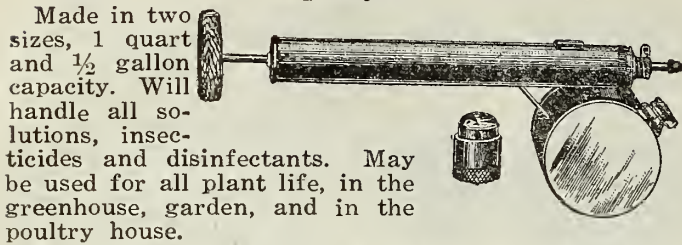
This pump is the ideal all-purpose hand sprayer. Its field is practically unlimited as it may be used for spraying trees, vines, garden truck, potatoes and any field crops and for handling whitewash and disinfectants.

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, \$4.00.

Bidwell Compressed Air Sprayer, 5-gal. steel tank, \$10.00.

### Auto-Spray No. 37—Continuous Sprayer



Made in two sizes, 1 quart and 1/2 gallon capacity. Will handle all solutions, insecticides and disinfectants. May be used for all plant life, in the greenhouse, garden, and in the poultry house.

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.

Auto-Spray, No. 37A. One quart, tin pump, galvanized tank, 75c. each.

Auto-Spray, No. 37C. One quart, tin pump, brass tank, \$1.00 each.

Auto-Spray, No. 37D. One-half gallon, tin pump, galvanized tank, \$1.25 each.

Auto-Spray, No. 37E. One-half gallon, tin pump, brass tank, \$1.50 each.

### CYCLONE HAND SPRAYERS

Similar to the above, except they do not have the automatic air reservoir attachment. Large tin, each, 40c.

Parcel Post weight 3 lbs. on all five.

### Heavy Brass Syringes

Made of heavy sheet brass, which will last many years for greenhouse work. No. 101 Stream and spray rose, 12-inch 1-inch cylinder, \$1.50. 2 lbs.

No. 102. Stream and spray rose, 16-inch, 1-inch cylinder, \$3.00. 2 lbs.

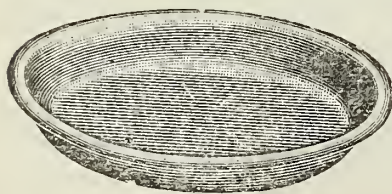
No. 103. Stream and spray rose, 16-inch, 1 1/2-inch cylinder. \$4.00. 3 lbs.

### The King Barrel Spray Pump

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-inch cylinder, 2-inch air chamber and fastens to chime of barrel. Equipped with 12 feet hose, nozzle, agitator, 8 ft. Ext. pipe, etc. Price, \$11.00.

### “Modoc” Bucket Pump

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, \$3.50. 9 lbs.



### FIBRE FLOWER POT SAUCERS

Cleaner and more durable than Potery

Diameter	Weight	Each	Dozen
4 in.....	3/4 lb.	\$ .13	\$1.50
5 in.....	1/4 lb.	.15	1.75
6 in.....	1/4 lb.	.16	1.85
7 in.....	1/2 lb.	.17	1.95
8 in.....	1/2 lb.	.18	2.05
9 in.....	3/4 lb.	.20	2.25
10 in.....	3/4 lb.	.21	2.50
12 in.....	1 1/4 lbs.	.24	2.75
14 in.....	1 1/2 lbs.	.30	3.50
16 in.....	2 lbs.	.55	6.00
18 in.....	2 1/2 lbs.	.65	7.50

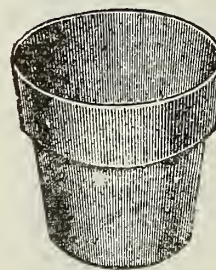
### FIBRE-WARE ROLLING STAND



Fibre-ware rolling stands are mounted upon ball-bearing casters and furnish an easy and ready means of moving heavy plants in permanent or temporary locations. Sold complete with saucers.

Outside Diameter	Will take tub diameter at bottom	P. P. Weight	Price Each
12 inches.....	10 inches.....	2 lbs.	\$ .70
14 “.....	12 “.....	3 lbs.	.85
16 “.....	13 “.....	4 lbs.	1.15
18 “.....	15 “.....	4 lbs.	1.25
20 “.....	17 “.....	8 lbs.	1.50
22 “.....	20 “.....	10 lbs.	1.75

### Earthenware Flower Pots

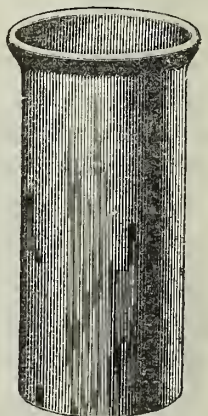


	Each	Doz.	Per 100	Per 1000
2 in.....	1c.	10c.	\$ .75	\$5.00
3 in.....	2c.	15c.	1.00	7.50
4 in.....	3c.	25c.	1.50	12.00
5 in.....	4c.	40c.	3.00	22.00
6 in.....	6c.	60c.	4.00	30.00
7 in.....	10c.	80c.	6.00	50.00
			Each	Doz.
8 in.....			12c	\$1.25
9 in.....			20c	1.75
10 in.....			25c	2.25
11 in.....			30c	3.00
12 in.....			40c	3.50
14 in.....			80c	8.00
16 in.....			\$1.50	13.50

### Florists' Fibre Vases

For displaying cut flowers.

Diameter	Depth	Weight	Price Each
4 1/2 in.....	15 in.....	2 lbs.	\$0.70
5 in.....	18 in.....	4 lbs.	.85
8 in.....	13 in.....	4 lbs.	.85



### HYACINTH STAKES

Used for staking hyacinths, tulips and slender plants dyed green.

	P. P. Weight	Doz.	100
12 in. and 8 in.....	2 lbs.	\$0.05	\$0.25
18 in.....	2 lbs.	.08	.40

Special prices to Florists in 1,000 lots

**Earthenware Bulb Pans**

5 inch.....	Each 7c.	Dozen \$ .50
6 inch.....	Each 10c.	Dozen .75
7 inch.....	Each 12c.	Dozen 1.00
8 inch.....	Each 15c.	Dozen 1.25
9 inch.....	Each 18c.	Dozen 1.75
10 inch.....	Each 20c.	Dozen 2.25

**Earthenware Saucers**

4 inch.....	Each 2c.	Dozen 20c.
5 inch.....	Each 3c.	Dozen 25c.
6 inch.....	Each 4c.	Dozen 35c.
7 inch.....	Each 5c.	Dozen 50c.
8 inch.....	Each 6c.	Dozen 60c.
9 inch.....	Each 8c.	Dozen 75c.
10 inch.....	Each 9c.	Dozen 90c.
11 inch.....	Each 11c.	Dozen \$1.00
12 inch.....	Each 15c.	Dozen 1.25
14 inch.....	Each 25c.	Dozen 2.00
16 inch.....	Each 40c.	Dozen 4.50

**New York Plant Tub**

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.

Size	Top Diameter Inches	Bottom Diameter Inches	Depth Finished Inches	Price Each	Weight Each Pound
No. 1	12	9¾	10⅝	\$1.00	9
No. 2	13	10¾	12¾	1.25	13
No. 3	14½	12	14¾	1.65	15
No. 3½	16½	14½	15¾	2.00	18
No. 4	19 7-16	17¼	16⅝	2.65	21
No. 5	22 7-16	20¼	18½	3.45	26

**Richmond Plant Tub**

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 earthen 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.

Size.	Inside Top Diameter Inches	Inside Bottom Diameter Inches	Inside Depth Inches	Price Each	Weight Each Pound
No. 5	10	7½	9	\$.40	3
No. 7	12	9	11	.60	4½
No. 9	14	11	13	.90	7
No. 11	16	12½	15	1.10	9

**POT LABELS**

4 in., per 1000.....	Plain, \$ .70; Painted, \$ .85
4½ in., per 1000.....	Plain, .85; Painted, 1.00
5 in., per 1000.....	Plain, 1.00; Painted, 1.25
6 in., per 1000.....	Plain, 1.25; Painted, 1.50
12 in., per 100.....	.75

**PAINTED TREE LABELS**

3½ in., coper wired.....Per 1000, \$1.25

**POP CORN**

There is hardly a home in the country during winter where the 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 popping.

**RICE POP CORN.** Lb., 10c.; 3 lbs., 25c.; 10 lbs., 75c.

**CORN POPPERS,** 15c. each. 2 lbs.

**EGG BOXES FOR PARCEL POST**

Fig. 1

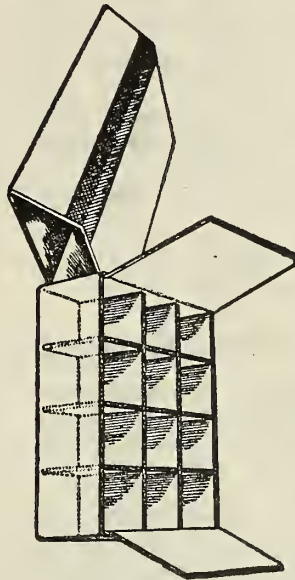


Fig. 1

This box 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 pound. Fold flat for shipment.

For shipment each egg must be wrapped in paper.

**Prices**

	1 Only	1 Doz.	1 Doz.
1 doz. box	\$ .07	.65	8 lbs.
2 doz. box	.09	1.00	12 lbs.
3 doz. box	.12	1.25	16 lbs.
4 doz. box	.14	1.50	20 lbs.
5 doz. box	.18	1.75	23 lbs.
10 doz. box	.30	3.00	42 lbs.

**"MODERN" EGG CARRIER (Fig. 4)**

Just the thing to bring eggs to market. 4 doz. size, \$1.00; 6 doz. size, \$1.25; 8 doz. size, \$1.50; 12 doz. size, \$2.00.

**H u m p t y D u m p t y Egg Carrier,** 12 doz. size, 35c.

**Lock Crate** for shipping 15 doz. eggs, 75c.; 30 doz. size, \$1.25.

**Paper Egg Boxes,** holding 1 doz. 10c. doz.; 75c, 100, \$7.00, 1000.

**Egg-O-Latum—**For preserving eggs. 50c. Jar; enough to preserve 50 Dozen Eggs. 50c. postpaid.

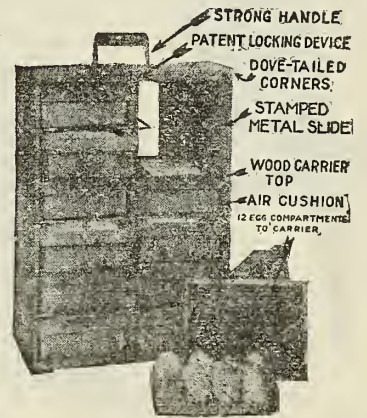


Fig. 4

**BUTTER BOXES FOR PARCEL POST**

This two-piece corrugated box is designed to hold 1, 2, 3, or 5 pounds of butter when packed in Tuck End Cartons (which are included in the price) for shipment in LOCAL DELIVERY and FIRST ZONE. The air cells in the corrugated board assist in preserving a uniform interior temperature, making possible the delivery of the butter in a cool, sweet and sanitary condition. Fold flat for shipment.

	Each	Doz.	Wt.	100	Wt.
1 lb.....	4c.	35c.	1	\$2.50	2
2 lb.....	5c.	50c.	1	3.25	5
3 lb.....	6c.	60c.	1	3.25	5
5 lb.....	7c.	70c.	1	4.50	9

Extra Cartoons 60c 100; weight 5 lb.

## THE BEST IN POULTRY, BIRD AND DOG SUPPLIES

Park & Pollard Lay or Bust, 3c. lb.; 100 lbs., \$2.65.  
 Park & Pollard Screened Scratch Food, 5 lbs., 15c.; 10 lbs., 25c.; 100 lbs., \$2.50. Special price in quantities.

Park & Pollard Growing Feed, Mash, lb., 3c.; 100 lbs., \$2.65.

Park & Pollard Intermediate Chick Feed, lb., 3c.; 100 lbs., \$2.55.

Park & Pollard Gritless Chick Feed, lb., 4c.; 100 lbs., \$2.75.

Oyster Shell, fine or coarse, 5 lbs., 10c.; 10 lbs., 15c.; 100 lbs., 60c.

Charcoal, fine, medium, coarse, 1 lb., 5c.; 5 lbs., 20c.; 50 lbs., \$1.00.

Cracked Bone, fine, medium, coarse, 5 lbs., 20c.; 10 lbs., 35c.; 100 lbs., \$2.75.

Mixed Pigeon Food, composed of re-cleaned, sound and sweet grains and seeds in a great variety. Price, lb., 3c.; 100 lbs., \$2.75.

Red Cross Health Grit, 5 lbs., 15c.; 10 lbs., 25c.; 100 lbs., \$1.50.

Tobacco Stems, lb., 3c.; 100 lbs., \$1.50.

Cut Alfalfa, lb., 3c.; 100 lbs., \$1.85.

### "Gloria" Canary Bird Song Restorer

This is an imported Seed which is scientifically proportioned and has been fed with great success. Lb., 15c. Supply limited.

P. & P. Bird Tonic. An unequalled remedy for loss of song, asthma or hard breathing, diarrhoea, moulting out of season. 25c. per bottle (liquid).

Per lb.

P. & P. Lice Powder, for canaries, postpaid.....25c  
 Canary Bird Seed, mixed.....10c  
 Hemp Seed.....10c  
 Millet Seed.....5c  
 Canary Seed.....10c  
 Rape Seed.....10c  
 Sunflower Seed.....8c  
 Cuttle Fish Bone, each.....5c  
 Linseed Meal.....5c  
 Kaffir Corn.....4c  
 Canada Peas.....5c  
 Buckwheat.....3c  
 Cracked Rice.....5c  
 Hulled Oats.....5c

Per lb.

Per lb.

Rolled Oats..... 5c	Parley..... 3c
Whole Corn..... 3c	Bran..... 3c
Cracked Corn..... 3c	Middlings..... 3c
Corn Chop..... 3c	Gluten Meal..... 4c
Wheat..... 3c	Cotton Seed Meal..... 4c
Oats..... 3c	Special prices in larger quantities.

## CYPHERS INCUBATORS, BROODERS AND SUPPLIES, ONLY BALTIMORE AGENCY

French Poultry Mustard. Will increase egg production. 1½-lb. box, 35c.; 3-lb. box, 65c.; 5-lb. box, \$1.00; 10-lb. box, \$2.00; 25-lb. pail, \$5.00.

Salt Cat Brick, for poultry and pigeons. Shipping weight 2 lbs. Price, 15c.

Whiting's Roupene. Cures roup, diphtheretic roup, colds, etc. Liquid. Price \$1.00 and 50c. bottles.

We carry a full line of all poultry, dairy and garden necessities. Send for complete 64-page catalogue.

Park & Pollard Red Ribbon Chick Feed, lb., 3c.; 100 lbs., \$2.50.

Royal Crown Meat Meal (Beef Scrap), lb., 4c.; 100 lbs., \$3.00.

"Heneta" Bone Grits—No. 3, coarse; No. 2, medium; No. 1, fine; No. 4, very fine—lb., 4c.; 100 lbs., \$2.50.

Pearl Grit, fine, medium and coarse, 5 lbs., 10c.; 10 lbs., 15c.; 100 lbs., 75c.

### Lee's Poultry Remedies

Lice Killer, qt., 35c.; ½ gal., 60c.; gal., 1.00.  
 Egg Maker, 25 lbs., \$2.00; 12 lbs., \$1.25; 25c., 50c., pkge., 3 and 6 lbs.

Insect Powder, 25c. and 50c. pkge., 2 and 4 lbs.

Germozone Liquid or Tablets, 50c. each. Tablet postpaid.

Fox White Diarrhoea Cure, 35c., Liquid.

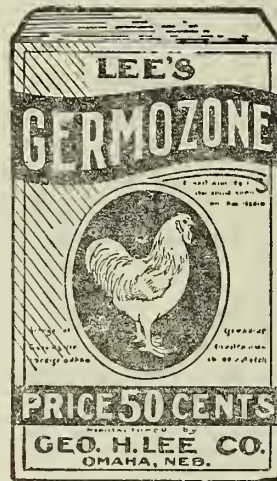
Dr. Hess's Pan-a-ce-a, 25c. 60c. and \$1.25 pkge. Wt., 2, 6 and 12 lbs. 25 lb. Bucket, \$2.50.

Dr. Hess's Instant Louse Killer, 25c. Wt., 2 lbs.

Zenoleum Disinfectant, 25c.; qt., 50c.; gal., \$1.50.

Zenoleum Lice Powder, 25c.

Chemo Liquid Lice and Germ Destroyer; absolutely stainless on white poultry. Qt., 60c.; ½ gal., \$1.00; gal., \$2.00.



### Conkey's Poultry Remedies

Roup Cure, 25c.; 50c., \$1.00, postpaid.

Bronchitis Cure, 50c., postpaid.

Gape Cure, 25c., 50c.; postpaid, 60c.

Limber Neck, 50c.; postpaid, 55c.

Chicken Pox, 50c.; postpaid, 55c.

Scaly Leg, 25c.; postpaid, 30c.

Rheumatic Cure, 50c.; postpaid, 55c.

Poultry Tonic, 25c.; postpaid, 30c.

### Pratt's Poultry and Animal Remedies

Poultry Regulator, 10c., 25c., 50c., \$1.25, \$2.50; weights, 1, 2, 5, 12 and 25 lbs.

Lice Powder, 10c., 25c., 50c.; weights, 1, 2, and 4 lbs.

Roup Cure, 25c., 50c. and \$1.00. Pills or powder, postpaid.

Poultry Disinfectant, Lice Killer and Dip, 1 qt., 35c. 2 qts., 60c.; 1 gal., \$1.00.

Cholera Remedy, pkg., 25c., 50c., postpaid.

White Diarrhea Remedy, pkg., 25c., 50c., postpaid.

Bronchitis Remedy, pkg., 25c., 50c., postpaid.

Condition Tablets, pkg., 25c., 50c., postpaid.

Chicken Pox Remedy, pkg., 25c., 50c., postpaid.

Scaly Leg Remedy, pkg., 25c., 50c., postpaid.

Animal Regulator, 25c., 50c., 75c., 1.50. Weight, 2, 7, 12 and 25 lbs.

Worm Powder, 50c., postpaid.

### Dog Foods and Remedies, Etc.

Corner's Ready-to-Feed Cooked Dog Food. The best dog food on the market in the shape of meal; can be fed dry or wet. 5c. lb.; 100 lbs., \$4.00.

Spratt's Meat Fibrine Vegetable Dog Cakes. A staple food for all breeds. Prices, 1 lb., 10c.; 3 lbs., 25c.; 10 lbs., 75c.; 100 lbs., \$6.50.

Spratt's Puppy Biscuits. The standard puppy food. 1 lb., 10c.; 3 lbs., 25c.; 10 lbs., 75c., 100 lbs., \$7.00.

Spratt's Dog Remedies. A remedy for each disease. Send for special booklet.

Vermilax. Guaranteed worm expeller and tonic. Price, bottle, 50c. and \$1.00. Liquid. Send for special booklet.

Cedar Bedding. For dogs, cats, etc., made of cedar wood shavings. Sanitary and proof against fleas and other vermin, 10c. per lb.; 25-lb. bale, \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.



## THE NORWICH AUTOMATIC POULTRY APPLIANCES

### The Norwich Automatic Exerciser and Feeder (Fig. 1).

As its name implies, it is an ingenious automatic machine for feeding and exercising poultry, and has, by force of its own merits in the short years of its existence, established itself as the standard method of feeding in poultry culture.

Fill the hopper with any dry grain feed, or any mixture of dry grain feed, and the revolving bait bar with cracked corn. Stand the Feeder anywhere in the yard, pen or house, and put any kind of litter under machine. Adjust valve to feed desired quantity. Adjust legs for required height. Use for thirty days. At the expiration of that time, if you do not see a marked improvement in your flock, if your egg production is not increased, and if you are not absolutely satisfied with the machine, return it and we will at once refund your money. Larger sizes, prices on application. Discount on quantities. Send for full descriptive printed matter.

No. 1, 8-qt. Hopper.....	Price	\$2.50
No. 2, 14-qt. Hopper.....	Price	3.25
No. 3, 20-qt. Hopper.....	Price	4.10
No. 4, 32-qt. Hopper.....	Price	5.00

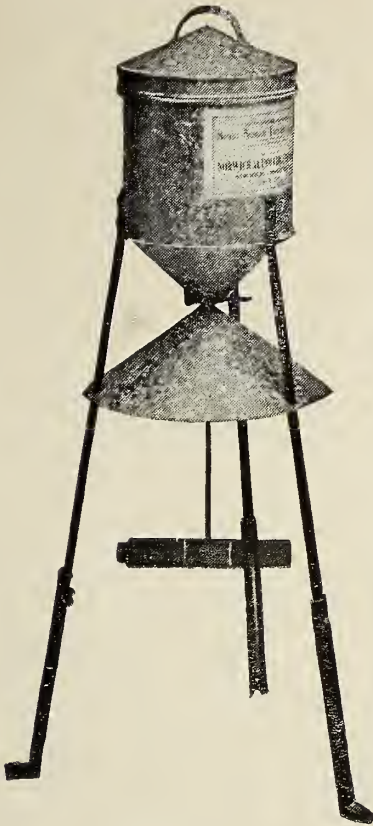


Fig. 1.

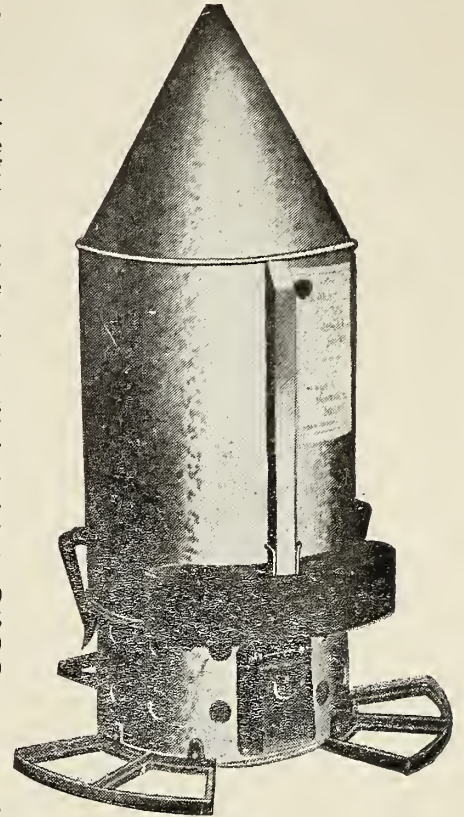


Fig. 2.

### The Norwich Automatic Air-Lock Fountain (Fig. 2).

The device is worked out on a simple example in Physics of atmospheric pressure as against the weight of water, and as it is a

fixed principle of nature, the device is absolutely perfect in its action and may be relied upon to fill its functions as truly as any conditions of nature with which you wish to compare it.

We guarantee the Norwich Automatic Air-Lock Fountain to be absolutely satisfactory in every respect, that it is positively frost-proof to ten degrees below zero, hygienic and sanitary. Failing to give satisfaction in every respect, the machine may be returned at our expense and the purchase price with delivery expenses will be refunded.

Made in one size only, 5 gallon capacity, weight 15 lb. complete with burner base, \$3.00; without burner base, \$2.00.

NORWICH AUTOMATIC DRINKING FOUNTAIN, to be attached to lard or butter tub. Weight 3 lb., \$1.00.

### The Norwich Automatic Dry Mash Hopper (Fig. 3).

We guarantee this hopper to be positively and absolutely non-cloggable, to be waste-proof (when provided with rain guard) rain-proof, and perfect in its construction and action.

Failing to give satisfaction in every respect, it may be returned at our expense and the purchase price, plus delivery charges, will be cheerfully refunded.

Made in one size only, 20 quarts capacity.

WITHOUT RAIN GUARD, shipping weight 6 lbs., \$2.00.

WITH RAIN GUARD, shipping weight 8 lbs., \$2.75.

### Norwich Automatic Apaco Poultry Feeder (Fig. 4).

In general design this feeder is built on the same lines as our well-known and justly famous Norwich Automatic Exerciser and Feeder, but is a hanging machine rather than arranged with adjustable standard.

The machine is complete with the all-important adjusting valve for regulating the discharge from the hopper, which is thoroughly covered by our U. S. Letters Patent, and which, for this reason, is always absent in any feeder on the market except those manufactured by our own company, and may be relied upon as a thoroughly dependable and practical machine for the purpose for which it is intended.

Constructed of 28-gauge galvanized, tight-coated sheeting, malleable and gray iron castings for the valves, agitators, collars, etc., and the workmanship of the highest possible character, we unhesitatingly guarantee our APACO FEEDER as the best machine ever placed on the market at its price and offer it under the same guarantee that covers all our goods.

Made in one size only, 12-quart capacity, \$1.00. Shipping weight, 5 lbs.

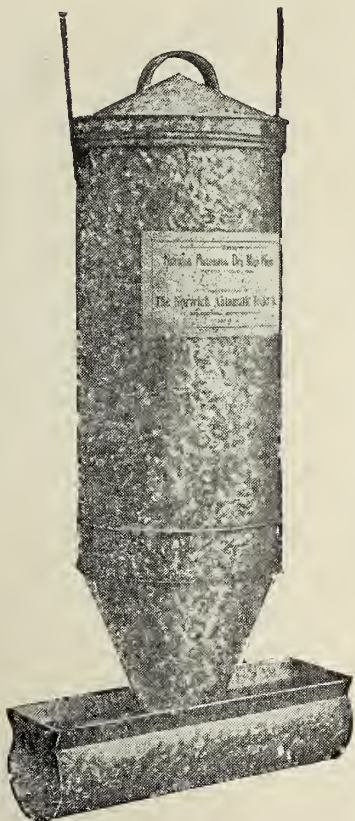


Fig. 3

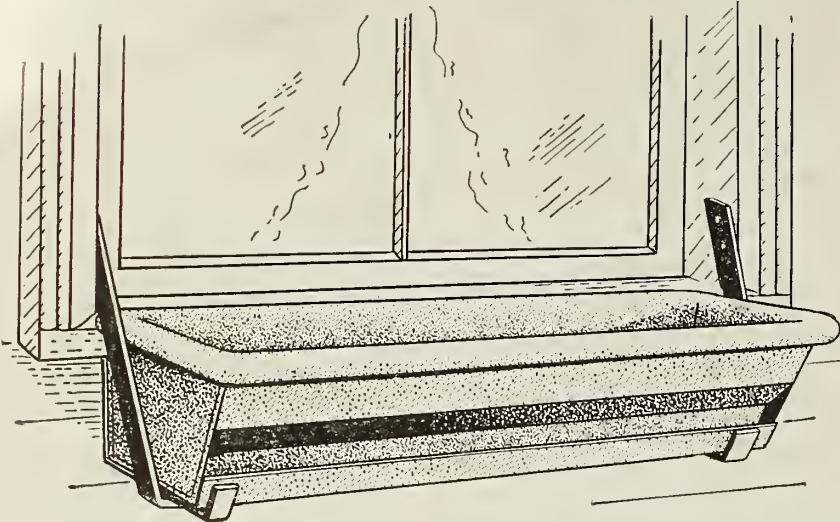
Without Rain Guard



Fig. 4.

F. O. B. Baltimore, Md. May be sent by Parcel Post—Add postage for zone.

## M. & S. SUCCESS SELF WATERING WINDOW BOXES



This box has a patented bottom which gives the plants perfect drainage, and at the same time does not leak. The water receptacle runs full length of the box, and gives the roots a plentiful supply of clean water.

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 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.

### Price List and Outside Dimensions

Length	Width	Depth	Price	Weight.
24 inches	8½ inches	6¼ inches	\$1.00 each	6 lbs.
30 inches	8½ inches	6¼ inches	1.25 each	7 "
36 inches	8½ inches	6¼ inches	1.50 each	8 "
40 inches	8½ inches	6¼ inches	2.00 each	9 "

### Brackets for Window Boxes

No. 1—For setting on sill.	Per pair.....	40c.	3 lbs.
No. 2—For hanging under sill.	Per pair.....	50c.	3 "
No. 3—For the porch rail.	Per pair.....	25c.	1 "

## M. & S. SUCCESS SELF-WATERING PLANT TUB OR HANGING POT

This Galvanized Steel Plant Tub is specially adapted for ferns, palms, hydranges or any large plant. Can be used indoors or outdoors; water can be freely used without danger of damaging floors or woodwork on which box is set.

Made on the same principal as the M. & S. Success Window Box.

Length, 12 inches; width, 12 inches; depth, 8¼ inches; price, \$1.50 each. Weight, 5 lbs.

## Grow Your House Bulbs in M. & S. COCOANUT FIBRE SOIL Without Soil, Drainage or Saucers

The best and most charming way of producing spring flowers for house and table decorations. No smell or bugs.

Highly recommended and valuable for wornout soils. Should be worked in with soil. For lawns, trees, hedges and shrubbery. Also for house plants of all descriptions. For mushrooms it is the missing link. A cover for the beds; holds just enough moisture. Mix three-fourths M. & S. Coconut Fibre Soil with one-fourth loam and your plants will be the right color and of uniform size.

Prices—Per qt., 10c.; 4 qts., 20c.; peck, 35c.; bushel, \$1.00; 100-lb. bag, \$1.75.

## “KIRKE SYSTEM”

Fertilize or Destroy Insects While Watering.

The Kirke Feeder is a metal, (See cut) Cap connected to any water spigot and holds either a fertilizer, insecticide or fungicide cartridge. The water from the spigot flows over this cartridge and performs the fertilizing or insect destroying, while you are watering. Price of feeder \$3.00; mailing weight 1-lb.

Fertilizer Cartridges \$3.00 per dozen; \$1.60 per ½ dozen; 30c each. Mailing weight 1-dozen, 7-lbs.

Tobacco Insecticide Cartridges, price and weight same as above.

Bordeaux Cartridges, price and weight, same as above.

Hothouse Special Tobacco Insecticide Cartridges, \$5.00 per dozen; 50c each. Mailing weight, 1-dozen 6-lbs.

Arsenate of Lead Insecticide Cartridges \$4.50 per dozen, 40c each. Mailing weight, 1-dozen 7½-lbs.

Sprinkling Can Plant Food Cartridge, which is put into the rose of the Sprinkling Can. 30c box of 12-tablets. Mailing weight 1-lb.

