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# FLOWER GARDENERS' CATALOGUE 1935

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Department of Agriculture



*Vegetable  
Seed  
Catalogue  
Mailed on  
Request*

NEW  
ROSE  
BETTER  
TIMES  
See page 21

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## J. MANNS & CO.

ESTABLISHED 1887

FORREST AND HILLEN STREETS · (At Belair Market) · BALTIMORE, MD.

Make this Store Your Headquarters for Seeds  
and Garden Supplies of Dependable Quality

Continuously  
 Successful  
 Since  
 1887



Buy With  
 Confidence  
 for  
 1935

Forty-eight Years of Continuous and Successful Service  
 Is Your Assurance of Satisfactory Results From

**MANNS' SUPERIOR SEEDS**

*They are Selected by Trial from the World's Best Strains*

*Phone Wolfe 5161*

*Suburban Delivery*

*Prompt, Courteous, and Intelligent Attention Always*

**MAIL ORDERS:** We pay Parcel Post or Express Charges on all vegetable and flower seeds, except Beans, Corn, Peas, and Seed Potatoes. This enables distant customers to use Manns' Superior Seeds at no additional expense.

**PLEASE READ—Non-Warranty**

It is very evident to anyone who gives the matter the slightest thought that it is to our best interests to send out only such stock as will grow and prove true to name and description. There are, however, so many contingencies to be encountered, entirely beyond our control, such as the weather, soil and other conditions that: J. Manns & Company give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any Seeds, Plants or Bulbs sent out, and will not be in any way responsible for the crop.

Domestic Parcel Post Rates Within the U. S. and Possessions		For First Pound	For Ea. Addit'l. Pound
First Zone within	50 miles	\$0.07	\$0.01
Second Zone within	50 to 150 miles	.08	.01
Third Zone within	150 to 300 miles	.09	.02
Fourth Zone within	300 to 600 miles	.10	.04
Fifth Zone within	600 to 1000 miles	.11	.06
Sixth Zone within	1000 to 1400 miles	.12	.07
Seventh Zone within	1400 to 1800 miles	.14	.09
Eighth Zone over	1800 miles	.15	.11

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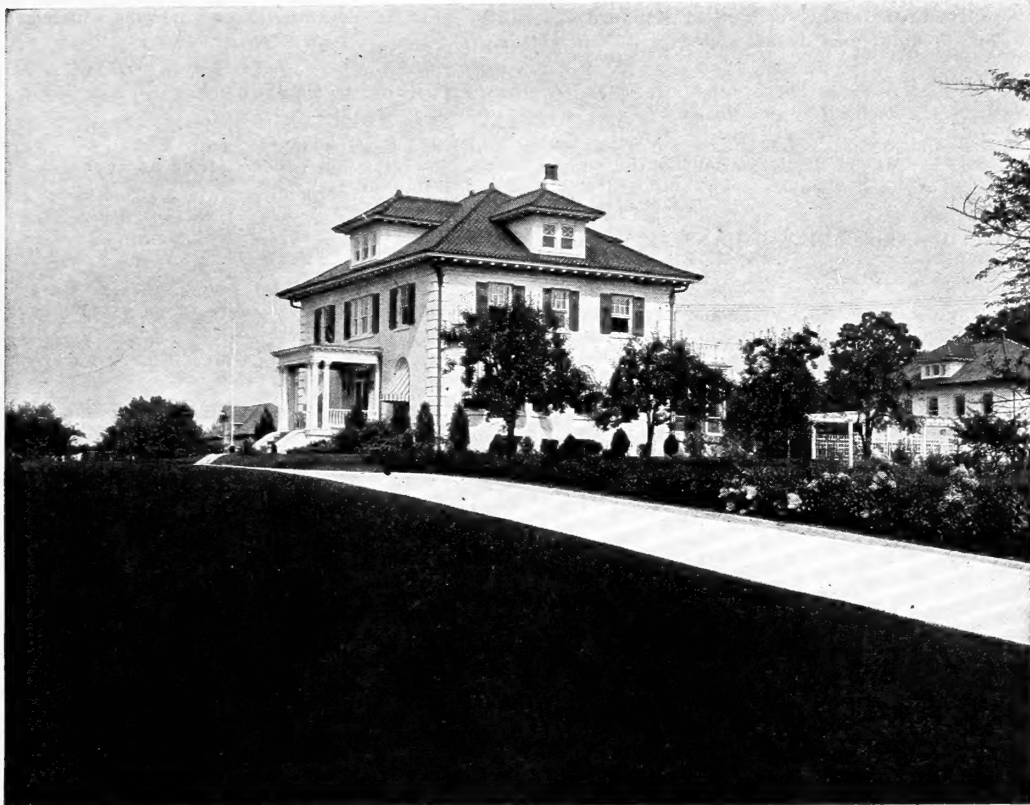






# ALWAYS SOW MANNS' SUPERIOR LAWN GRASS

*For Beauty and Permanence*



Lawn Grass Seed is not a distinct standard variety which can be sold at a standard market price, but is a mixture containing many varieties blended to meet certain requirements. The price is determined entirely by the value and proportions of the various grasses used in the mixture.

Cheap lawn mixtures are the most expensive to sow because they contain only a small percentage of high germinating seed of the desirable varieties and large proportions of the cheap, undesirable grasses and chaff.

Manns' Superior Lawn Grass Seed is a correctly proportioned mixture of the very best varieties of grasses blended according to a formula which has resulted from many years of study and experience. Every variety included has its special duty to perform in the quick production and steady maintenance of a beautiful and permanent lawn.

## MANNS' SHADY PLACE LAWN SEED

Contains only those grasses which are best adapted for growing under trees and in shaded spots. It quickly produces an abundant and even growth of beautiful grass, harmonizing in color and general appearance with our regular Superior mixture.

## MANNS' EVERGREEN LAWN SEED

Is a good, clean mixture of high germinating stock, strictly pure and of low weed content. Not as permanent as our Superior mixture, but well worth the price.

*Be sure to ask us about Hyper-Humus  
before making your lawn  
improvements.*

### PRICES

Lbs.	Evergreen	Shady Place	Superior
1.....	\$ .35.....	\$ .60.....	\$ .50
5.....	1.65.....	2.85.....	2.35
25.....	7.50.....	13.75.....	11.25
100.....	27.50.....	52.50.....	42.50

# MANN'S' SUPERIOR FLOWER SEEDS

## Novelties of Recent Introduction

Our constant aim is to supply our customers with the very best domestic and imported strains obtainable. We spare no expense in our efforts to maintain the highest standard of quality. Our list contains those varieties which are most popular because of their beauty, usefulness, and ease of cultivation.

Be among the first to enjoy these new varieties.  
Packets 15c each, \$1.50 per dozen.

**ANTIRRHINUM**—(Snapdragons). New Rustproof **UNIVERSITY OF CALIFORNIA MIXTURE**. Similar to the Majus Grandiflora type, but 75% rustproof. Maximum Crimson, height 2½ to 3 ft.

**ASTERS**—New Wilt Resistant, **CREGO GIANT**—Pink, Azure Blue, Deep Rose, White, Purple; **AMERICAN BRANCHING**—Crimson, Shell Pink, Azure Blue, Purple, White, 1/8 oz. **25c.**

**CALENDULA**—Orange shaggy. Very distinct type having long narrow fringed petals, somewhat resembling rich deep orange Chrysanthemums, long stems, grows 18 in. high.

**CANTERBURY BELLS** (Annual). **ANGELUS BELL** beautiful deep pink, **LIBERTY BELL** intense violet.

**COSMOS**—Early Klondyke Orange Flare. The unanimous choice of all judges in the All-American trials of 1934. Bright vivid orange, very free flowering. 1/16 oz. **25 cents.**

**DIANTHUS**—Laciniatus Splendens. Large single brilliant

crimson, white-eyed flowers borne profusely on neat dwarf compact plants.

**LARKSPUR**—Rosamond. Tall double stock flowered, early, free flowering, pure deep pink; another All-American Gold Medal Winner.

**LUPINES** (New Annuals). King Blue, King White—new improved strain 3 to 4 ft. producing 4 to 6 flower spikes to a plant.

**NASTURTIUM**—Double Gleam Hybrids. Large, well-formed, sweet-scented double flowers in an extremely wide range of colors. ½ oz. **25 cents.**

**NASTURTIUM**—New Scarlet Gleam. Extremely large and lovely. 1/16 oz. **25 cents.**

**PETUNIAS**—New Compact Dwarf strain each plant forming a perfect ball of bloom, plant about 8 in. tall and 12 in. in diameter. Mixed colors, 1/32 oz. **25 cents.**

**ZINNIA FANTASY**—Large, well-rounded, informal graceful Chrysanthemum shaped blooms on long stems in the usual range of zinnia colors. 1/16 oz. **25 cents.**

## Flower Seeds for Particular Purposes

### BORDER AND EDGING

Ageratum  
x Alyssum, Saxatile  
x Arabis, Alpina  
x Bellis Perennis  
x Campanula, Carpatica  
Candytuft  
Centaurea  
x Cerastium  
x Dianthus, Barbatus  
x Heuchera  
x Iberis, Sempervirens  
Lobelia  
Nasturtiums  
Marigold  
Pansy  
x Papaver, Nudicaule  
Petunia  
x Phlox, Subulata  
Portulaca  
x Sedum  
Verbena

### FLOWERS FOR FRAGRANCE

Ageratum  
Alyssum, Sweet  
Antirrhinum  
Candytuft  
Centaurea  
x Dianthus  
Heliotrope  
x Iris  
x Mimulus  
Mignonette  
Nasturtium  
Nicotiana  
Pansy  
Petunia  
Scabiosa  
Stock  
Stock, Virginian  
Sweet Peas  
Verbena

### EVERLASTINGS

Globe Amaranth  
Helichrysum  
Linaria  
Statice

### PARTIAL SHADE

Alyssum, Sweet  
x Anchusa Italica  
x Anemone  
Antirrhinum  
x Aster, Hardy  
x Candytuft, Iberis  
Centaurea  
China-Aster  
Clarkia  
x Foxglove or Digitalis  
x Hibiscus, Moschata  
x Lathyrus  
Lupinus  
x Lychnis, Chalcedonica  
x Mimulus  
Myosotis, Forget-me-not  
Nicotiana  
Pansy  
Petunia  
x Primula, English Cowslip  
x Rudbeckia  
Schizanthus  
x Violas

### FOR MOIST PLACES

x Heliotrope  
x Hibiscus, Moschata  
Mimulus  
x Viola  
x Wallflower

### FOR POOR SOIL

Alyssum, Sweet  
Amaranthus  
Balsam  
California Poppy  
Calliopsis  
Cornflower  
Four-O'Clock  
Marigold  
Nasturtium  
Poppy  
Portulaca

### ROCK GARDENS

See Annuals and Perennials  
Marked \*

### FOR DRY PLACES

x Aster  
California Poppy  
x Callirhoe  
x Coreopsis  
x Dianthus  
Dimorphotheca  
x Gypsophila, Paniculata  
x Helianthus  
x Hemerocallis  
x Iris  
Mesembryanthemum  
Mimosa  
x Papaver, Nudicaule  
Phlox, Annual  
x Phlox, Hardy  
x Statice, Latifolium

### TALL VARIETIES

Amaranthus, Caudatus  
x Campanula, Pyramidalis  
x Coreopsis  
Cosmos  
x Dahlia  
x Digitalis  
x Hibiscus, Moschata  
x Hollyhock  
Marigold, African  
Nicotiana  
Rcinus

### FOR WINDOW AND PORCH BOXES

Ageratum  
Alyssum  
Begonia  
Centaurea  
Lobelia  
Nasturtium  
Oenothera  
Pansy  
Petunia  
Phlox  
Portulaca  
Salvia Splendens  
Thunbergia  
Verbena  
Vinca  
Zinnia, Lilliput

x Perennial Varieties.



## ANNUAL FLOWER SEEDS

The ease of cultivation and the quickly effective results obtained from Annuals make them indispensable, as they are adaptable to an almost endless variety of arrangement.

Even in perennial borders, beds and rock gardens, annuals are very essential to bridge the span between periods of bloom of the perennials and to give desired color effects which are possible only with annuals. Many varieties can be started indoors early and transplanted giving continuous bloom from early summer until frost. Some sorts are very easily grown in late summer to produce plants for the sun-parlor or conservatory where they will blossom during the winter.

Annuals bloom more profusely than biennials or perennials because it is not necessary for them to store up food or build root systems for succeeding years; their business being to produce flowers and seeds abundantly the first year. For this reason it is advisable to cut the flowers before going to seed so that the plants will continue to bloom freely.

**For Variety, Color, Fragrance, Economy Sow Annuals.**

### AGERATUM

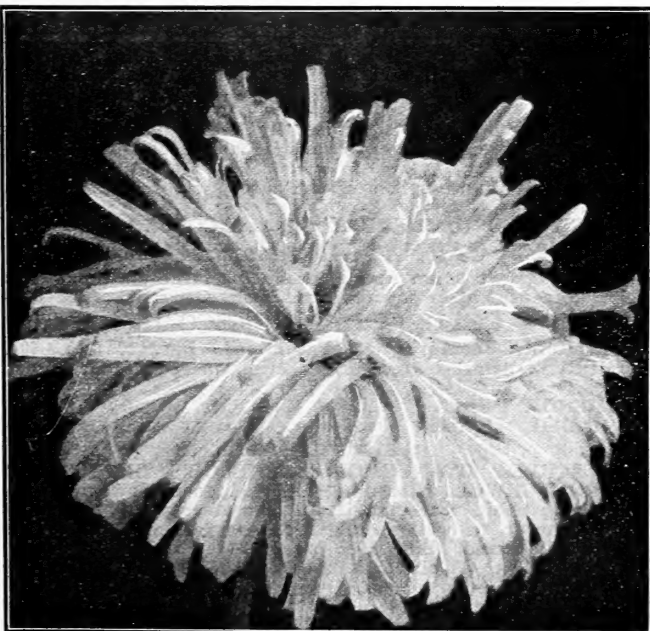
\*Splendid for bedding or pot culture, covered from June until frost with a mass of very attractive flowers of a tufted appearance. Very effective when contrasted with geraniums. Large-flowered White, large-flowered Blue or Mixed. Pkt., 10c; oz., 75c. Dwarf Varieties. Pkt., 10c; ¼ oz., \$1.50.

### AGROSTEMMA—Rose of Heaven

COELI-ROSEA. A very showy old time favorite greatly admired; excellent cut flowers, grows 12 to 15 inches; blooms early. Color bright rose pink. Pkt., 10c; oz., 50c.

### ALYSSUM

\*Sweet Alyssum. Little Gem. Very popular border flower, coming into bloom six weeks after planting seed and requiring the least attention of all flowers. Very erect and dwarf, its white flowers greatly enhancing the beauty of any bed or border. Height 4 inches. Pkt., 10c; oz., 50c.



Giant Comet Aster

### PLEASE NOTE

Potted plants in the following varieties are carried in stock at our store after May 10th.

Ageratum	Pansy
Alyssum	Petunia
Aster	Phlox
Calendula	Scarlet Sage
Coleus	Snapdragon
Coreopsis	Stock
Dianthus	Summer Poinsettia
Geranium	Verbena
Heliotrope	Vinca
Lantana	Wallflower
Lobelia	Zinnia

50c to \$1.00 per doz. according to variety and size.

(No plants mailed or shipped.)

### ANTIRRHINUM OR SNAPDRAGON

This border and bedding plant of long blooming season is now one of the best perennials suitable for flowering as an annual. The long showy spikes of curiously-shaped tubular flowers with spreading lobes and finely marked throats are fragrant as well as brilliantly-colored. They are very desirable for cutting as the blooms are borne well above the dark glossy leaves and keep fresh for a long time.

Giant Mixed, pkt., 10c; ¼ oz., 60c; oz., \$2.00. Tall Mixed and Semi-Dwarfed Mixed, pkt., 10c; ¼ oz., 50c; oz., \$1.50. SEPARATE COLORS: White; Appleblossom, (pink and White); Coral-Pink; Defiance (Scarlet); Fascination (deep flesh pink); Wallflower (Yellow Bronze); Luteum (Canary Yellow). Giant Type, pkt., 10c; oz., \$3.00.

### ASTERS

Very popular because of their beauty and ease of culture. The varieties listed represent the finest Asters of the early, midseason and late types and will give a profusion of bloom from July to late October. Asters require good rich soil and during the growing period should be well supplied with water.

CALIFORNIA SUNSHINE. Flowers measure from 4 to 6 inches in diameter are half double and exhibit all the grace and beauty of the single Aster. The golden yellow ground tone of the quilled petals contrasts wonderfully with the outer petals. Forms a loosely curled circle which makes the flowers pleasing to the eye, fine for cutting. Mixed, pkt., 10c; ¼ oz., 75c.

QUEEN OF THE MARKET. Branching habit, 1 foot high, large flowers borne on long stems, blooming in July. Mixed colors, pkt., 10c; ¼ oz., 25c; oz., 75c.

GIANT COMET. Very distinctive, the outer petals being broad, flat and reflexed, while the center of the flower has a feathery appearance. Follows Queen of the Market in season and grows 12 to 24 inches high. Deep scarlet, dark blue, light blue, delicate yellow, snow white and rose. Pkt., 10c; ¼ oz., 35c; oz., \$1.25. Mixed, ¼ oz., 20c; oz., 65c.

CREGO. Flowers of immense size, 4 to 5 inches in diameter borne on very long stems. Plants are of strong branching growth, 2 to 2½ feet high. Separate colors, pkt., 10c; ¼ oz., 40c. Mixed, pkt., 10c; ¼ oz., 35c.

LATE BRANCHING. A handsome and very distinct variety resembling Japanese Chrysanthemums. The plants grow 1½ feet in height and width and the large full petaled blossoms are borne on long stems or branches. Comes into lower ten days later than other asters. Separate colors, pkt., 10c; ¼ oz., 35c. Mixture, pkt., 10c; ¼ oz., 30c.

AMERICAN BEAUTY, Giants of California. Mixed, pkt., 10c; ¼ oz., 50c.



Arctotis



Didiscus



Dianthus

## AMARANTHUS

Very useful in borders of tall plants, among shrubs, or in centers of large beds. One type has large feathery plumes or sprays of rich crimson coloring while the other is grown exclusively for the brilliant-colored leaves.

**CAUDATUS.** (Love Lies Bleeding.) Plants of erect growth three to four feet high producing numerous feathery sprays of rich crimson color. Pkt., 10c;  $\frac{1}{4}$  oz., 35c.

**MOLTEN FIRE.** Very ornamental and beautiful; 4 feet tall; easily grown, leaves dark bronze, top of plant and centers of lower leaves, brilliant Poinsettia red. Pkt., 10c;  $\frac{1}{4}$  oz., \$1.00.

**SALICIFOLIUS.** (Willow-Leaved or Fountain Plant.) Grows two to three feet high, with long hanging flower heads and foliage of a deep purple coloring. Pkt., 10c;  $\frac{1}{4}$  oz., 40c.

**SPLENDENS.** (Rainbow Plant.) Beautiful variegated foliage with large crimson flower heads. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

**TRICOLOR.** (Joseph's Coat.) Similar to Splendens, having a single erect stalk of brilliantly colored foliage. Pkt., 10c; oz., 35c.

## ARCTOTIS (Blue-Eyed African Daisy)

**GRANDIS.** White petals tinged lilac with centers steel blue. A splendid and easily grown flower, 2 feet tall. Good for cutting. Pkt., 10c; oz., 75c.



Calendula

## ANCHUSA (Summer Forget-Me-Not)

**CAPENSIS, ATROCOERULEA.** A fine blue flower through late spring, summer, and fall. Easily grown. Height 2 feet. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

**BLUE BIRD.** Vivid indigo blue, plants compact and of even growth. Stems about 18 inches. Pkt., 10c;  $\frac{1}{4}$  oz., 75c.

## BALSAM OR LADY SLIPPER

An easy growing annual of quick growth, producing numerous flowers resembling tiny roses. Splendid double mixed, pkt., 10c; oz., 75c.

## BARTONIA (Golden Yellow)

**AUREA.** Large, showy flowers, 2½ inches in diameter; deep orange yellow. Blooms early, height 18 inches. Pkt., 10c; oz., 50c.

## CALENDULA—POT MARIGOLD

Effective in beds or potted; showy, free-flowering, hardy annuals. Extra Double Orange Giant. Pkt., 10c; oz., 40c. Finest mixed, pkt., 10c; oz., 25c.

**THE BALL.** Pkt., 10c. Glowing Yellow, oz., 75c.

**BALL'S, IMPROVED GOLDEN ORANGE.** Long stemmed extra double, excellent for forcing. Pkt., 10c; oz., \$1.00.

## CAMPANULA—CANTERBURY BELLS

An old-fashioned favorite, stately, showy, and easily grown, hardy biennial. Single and Double Mixed, pkt., 10c; oz., 50c. ANNUAL. Liberty Bell, violet-blue; Angelus Bell, deep pink. Pkt., 10c;  $\frac{1}{4}$  oz., \$2.00.

## CANDYTUFT

This hardy annual is universally known and its clusters of small flowers are very beautiful and useful for cutting and borders.

**EMPRESS.** Large spikes of the purest white, erect growth. Pkt., 10c; oz., 40c.

**FINEST HYBRID MIXTURE OF ALL COLORS.** Pkt., 10c; oz., 40c.

## CARNATION (Margaret)

Easily grown as an Annual producing large double blooms 4 or 5 months after sowing seed. Very fragrant. (See Perennials.)

## CELOSIA OR COCKSCOMB

**PLUMOSA.** Feathered varieties mixed. Pkt., 10c; oz., 40c. **EMPRESS.** Dark-leaved, bright crimson. Pkt., 10c;  $\frac{1}{4}$  oz., \$2.00.

**GLASGOW PRIZE.** Pkt., 10c;  $\frac{1}{4}$  oz., 50c.

**CHILDSII.** (Chinese Woolflower.) Pkt., 10c; oz., \$1.50.

## CENTAUREA

**CENTAUREA CYANUS OR BACHELOR'S BUTTON OR CORN FLOWER.** Charming old-fashioned flowers. Free flowering habit, reseeding itself year after year. Useful as a cut flower, as well as a garden decoration. Double blue or double mixed. Pkt., 10c; oz., 50c.

**CENTAUREA GYMNOCARPA OR DUSTY MILLER.** One foot, foliage finely cut of silvery gray color, used for bedding. Pkt., 10c; oz., 40c.

**CENTAUREA IMPERIALIS OR SWEET SULTAN.** Beautiful, sweet scented, artistic shaped flowers borne on long stems, when cut will last for several days. Mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.



Dimorphotheca

**CHRYSANTHEMUM**

The annual Chrysanthemums are free-blooming, easily grown plants, having large flowers in a variety of brilliant colors, fine for cutting. Mixed. Finest double hybrids. Pkt., 10c; ¼ oz., 20c; oz., 45c.

**CLARKIA**

Very pretty, profuse flowering annuals, much used for edging. They grow from nine to eighteen inches high, producing mostly red or white flowers. Useful for hanging baskets. Pkt., 10c; oz., 50c.

**COREOPSIS-CALLIOPSIS**

Very handsome and showy plants with numerous flowers of brilliant colors, excellent for bouquets. Thrive well in any soil.

**TINCTORIA-MIXED.** Bi-color Annual. Pkt., 10c; oz., 35c.

**COSMOS**

One of the most satisfactory hardy annuals, flowering in late summer. Fine for cutting and easily grown. Can be sown anywhere and transplanted. Grows 4 to 6 feet high. Mammoth large flowered. Mixed and early flowering mixed, pkt., 10c; oz., 35c. Extra Early Double Crested, pkt., 10c; ¼ oz., \$1.25.

**DATURA**

Large branching plants producing very large handsome, double or single, trumpet-shaped blossoms of exquisite fragrance. Excellent for late summer and autumn flowering. Mixed colors. Pkt., 10c; ¼ oz., 20c.

**DELPHINIUM**

**ANNUAL.** Three foot tall, white and various shades of Blue, Mixed. Pkt., 10c; oz., 75c.

**DIANTHUS OR PINKS**

These very beautiful and popular biennials flower freely the first year from seed, and in most locations they are quite hardy and produce larger flowers the second year.

\***HEBDEWEGI.** Hybrids, very large double flowers. Pkt., 10c; oz., 50c.

**SWEET WIVELSFIELD.** Hybrid Type. Flowers large, somewhat similar to Sweet William. Pkt., 10c; ¼ oz., \$1.00.

**DIDISCUS—Blue Lace Flower**

**COERULEUS.** Lavender, blue, lace-like flower; heads blooming profusely from June to September; 1½ feet tall. Pkt., 10c; oz., \$1.00.

**DIMORPHOTHECA**

\***AURANTIACA** (African Daisy). Very showy flowers for bed or border, bushy plants with orange-gold daisy-like blooms on long stems. Pkt., 10c; ¼ oz., 50c.

**EUPHORBIA**

**HETERPHYLLA** (Mexican Fire Plant). Grown by many as "Summer Poinsettia" as it produces a crown of brilliant red leaves. Rapid grower; 30 to 36 inches tall. Pkt., 10c; oz., 50c.

**GLOBE AMARANTH-GOMPHRENA**

Similar in type to Bachelor's Button but having flowers of perfect globe shape. Mixed colors. Pkt., 10c; oz., 25c.



Larkspur



Gilia

**GILIA**

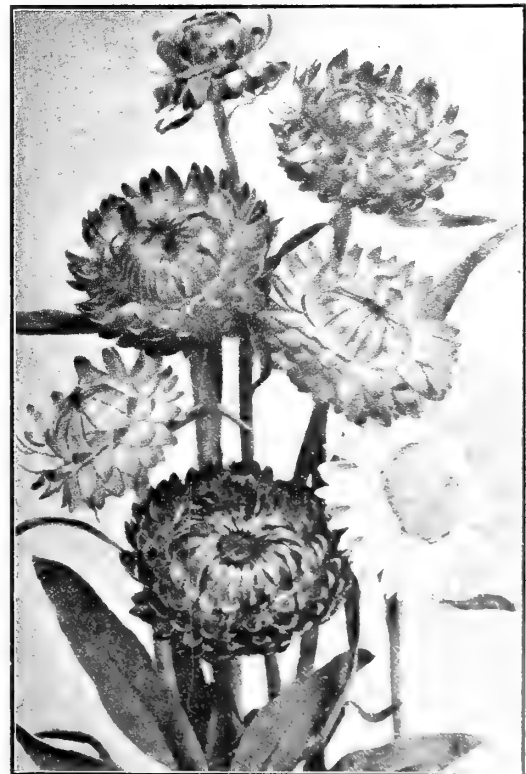
Exceedingly graceful and attractive, with tiny ball-shaped flowers, borne profusely on plants 15 to 24 inches tall; especially valuable for bees. Charming in flower border; a good cut flower. Pkt., 10c; oz., 25c.

**GODETIA (Satin Flower)**

**TALL DOUBLE GRANDIFLORA MIXED.** Resembles the Azalea both in form and color. Plants grow 1 foot high, and bloom in great profusion for nearly six weeks. Excellent for cutting and easily grown. Pkt., 10c; oz., 50c.

**HELICHRYSUM-EVERLASTING FLOWER**

**Monstrosum.** Double, first quality, mixed. Pkt., 10c; ¼ oz., 20c; oz., 60c.



Helichrysums

Varieties marked \* suitable for Rock Gardens.

**GYPSOPHILA (Baby's Breath)**

\*Single—(A). Graceful plants with light fairy-like growth. A quick growing annual with myriads of small open bell-shaped flowers. These fine mist-like flowers are excellent for their delicate effect in bouquets. Pkt., 10c; oz., 25c.

**IMPATIENS**

**HOLSTII.** Free blooming plants, 1 to 2 feet tall. Somewhat resembling Balsam or Lady Slipper. Flowers various shades. Pkt., 10c; ¼ oz., \$1.00.

**KOCHIA—SUMMER CYPRESS**

Quick growing hedge plant about two and one-half feet high. Very symmetrical and attractive, the bushes taking on a distinctive red tinge late in the summer; for this reason often called Mexican Fire Bush. Pkt., 10c; oz., 25c.

**LANTANA (Half Hardy)**

One of the most desirable greenhouse or bedding plants, constantly in bloom, somewhat resembling Verbenas; 2 to 3 feet. Hybrid Mixed and Dwarf Hybrid Mixed. Pkt., 10c; oz., 50c.

**LARKSPUR**

One of the best known of garden flowers and if planted in April will produce flowering plants by the first of July and continue to bloom until frost.

**TALL DOUBLE BRANCHING.** Pkt., 10c; oz., 75c.

**IMPERIAL DOUBLE MIXED.** Pkt., 10c; oz., 50c.

**GIANT HYACINTH FLOWERED.** Pkt., 10c; oz., \$1.00.

For Perennial Larkspur see Delphinium.

**LAVATERA—ANNUAL MALLOW**

**TRIMESTRIS MIXED.** A free flowering variety, grows 2 feet tall bearing from July until fall a profusion of cup-shaped flowers of various shades. Pkt., 10c; oz., 25c.

**LUPINUS**

Free-flowering, easily grown annuals with long graceful spikes of richly colored pea-shaped flowers. Prefers a little shade, acid soil and cool weather.

**DWARF ANNUAL MIXED.** All colors. Pkt., 10c; oz., 50c.

**DWARF DOUBLE BRANCHING.** Salmon Pink. Pkt., 10c; ¼ oz., 75c.

**HARTWEGII GIANTS.** Enormous 3 foot spikes; 6 to 8 per plant; oxford blue or white. Pkt., 10c; ¼ oz., 75c.

**MARIGOLD**

The African and French Marigolds are old favorite free-flowering annuals of easy culture, extremely effective and well adapted for large beds. Thrive best in a light soil fully exposed to the sun. The flowers of the French type are smaller than the African but are marked and spotted with varied shades of red and orange. The African are very large, double and in solid colors.

**AFRICAN.** Double, extra mixed, first quality. Pkt., 10c; ¼ oz., 20c.

**FRENCH.** Dwarf double mixed. Pkt., 10c; oz., 50c.

**GUINEA GOLD.** Orange flushed with gold, height 2 to 2½ feet; flowers semi-double. Pkt., 10c; ¼ oz., 50c.



Lobelia



Lupinus



Nigella

**LOBELIA**

\***ERINUS COMPACTA.** This charming variety forms compact bushes about 6 inches high and are covered with deep blue blooms throughout the season. Highly desirable for edging and garden decoration as well as for pot culture. Pkt., 10c; oz., \$1.00.

**PENDULA HAMBURIA.** Trailing sort used for hanging baskets, vases and window boxes. Pkt., 10c; ¼ oz., 50c.

**MARVEL OF PERU—FOUR O'CLOCK**

Large showy fragrant flowers, blooming the entire season. Succeed well in any ordinary garden soil in a sunny location. Mixed. Pkt., 10c; oz., 20c.

**MESEMBRYANTHEMUM**

\***CRYSTALLINUM OR ICE PLANT.** Dwarf trailing annual plants. Flowers white prized for its distinctive icy foliage. Pkt., 10c; oz., 50c.

**MIGNONETTE**

Well known fragrant bedding or potting plant. Sowings made in April and again in July will result in a succession of bloom from early summer until frost.

**GOLIATH.** Large flowering. Pkt., 10c; ¼ oz., 75c.

**MACHET GIANT.** Large spikes, very fragrant. Pkt., 10c; oz., 75c.

**NASTURTIUM**

**GOLDEN GLEAM.** New double sweet scented dwarf variety sure to become very popular. Pkt., 25c; oz., \$1.00.

**TOM THUMB.** The very popular dwarf or bedding variety, producing very showy large flowers. Our mixture contains all the newest hybrids as well as the distinct old varieties, all in proportion to assure a marvelous display of colors, ranging from cream white to the very darkest red. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

**SPENCER.** Choice mixed, very brilliant, in all shades of yellow, red and purple. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

**LACINIATUM.** Dark leaved, very showy, mixed. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**NICOTIANA**

**AFFINIS.** Gives a continuous display of flowers through the summer and autumn; plant 2 to 3 feet high. The blooms are white, sweet scented and measure 3 inches in diameter. Pkt., 10c; ¼ oz., 20c.

**NIGELLA OR LOVE-IN-A-MIST**

Free-flowering plant, 1 foot high, producing curious flowers surrounded by the finely cut foliage. Easily grown; useful for cutting.

**DOUBLE BLUE.** Pkt., 10c; oz., 50c.

**ORNAMENTAL GRASS**

**COIX LACRYMA.** (Job's Tears.) Pkt., 10c; oz., 25c.



## PANSIES

These very popular and beautiful flowers may be sown in April or May for summer flowering or in August for early spring blooming. They thrive best in an open exposure, with protection during the winter.

**BUGNOT'S GIANT.** Flowers of enormous size, nearly circular in form and in a great variety of the most rare and handsome colors. Pkt., 10c; ¼ oz., 75c; oz., \$2.50.

**MAMMOTH EXHIBITION MIXTURE.** True round and solid pansy form of giant size, each color an attraction. Pkt., 10c; ¼ oz., \$1.50; oz., \$5.00.

**MANN'S TRIUMPH OF THE GIANTS.** (Fruited.) Finest for commercial or private use. Blooms enormous, most striking in brilliancy and beauty of color. Pkt., 25c; oz., \$5.00.

## PETUNIAS

**HYBRIDA GRANDIFLORA.** Giants of California mixed. Pkt., 25c; 1/16 oz., \$5.00.

**HOWARD'S STAR.** Finest striped colors mixed. Pkt., 10c; ¼ oz., 25c.

**HYBRID FIMBRIATA.** Giant flowering fringed varieties, extra selected. Pkt., 25c; ¼ oz., \$9.00.

**GIANT DOUBLE FRINGED.** (Fimbriata flora pleno.) Extra double choice mixed. Pkt., 50c; 1/32 oz., \$9.00.

## DWARF BEDDING VARIETIES

**HYBRIDA NANA COMPACTA MULTIFLORA.** Dwarf extra fine free flowering sorts.

**ROSY MORN.** Pink white throat. **NORMA.** Blue with white star.

**ROSE OF HEAVEN.** Deep brilliant rose. **SNOWBALL.** Pure white.

Separate colors or mixture. Pkt., 10c; ¼ oz., 50c.

**\*PINK GEM.** Gold medal winner '34 "All American Selection," grows 5 inches high, globe shaped, entirely covered with deep pink blooms. Pkt., 10c; 1/16 oz., 50c.

## BALCONY PETUNIAS

**HYBRIDA PENDULA.** For porch and window boxes, also excellent for bedding in solid masses of one or more colors. Large blooms produced in abundance. Blue, Purple, Crimson, Pink, White and Mixed. Pkt., 10c; 1/16 oz., 75c.

## PHLOX

Phlox makes a magnificent show in beds and masses where their brilliant and varied colors produce a gorgeous effect. Very easily raised and afford a bright display of flowers, all through the summer.

**\*DRUMMONDII.** Choice mixture, first quality. Pkt., 10c; ¼ oz., 35c.

**\*STAR PHLOX.** (Cuspidata.) With star-shaped flowers, dwarf growth. Pkt., 10c; ¼ oz., 50c.

**\*FIMBRIATA.** Fringed flowers of beautiful form and color. Pkt., 10c; ¼ oz., 50c.

## LARGE FLOWERING DWARF VARIETIES

**\*DEFIANCE.** Deep scarlet, very compact, free-flowering. Pkt., 10c; ¼ oz., \$1.50.

**\*DWARF MIXED.** Selected colors, compact habit of growth, very effective in beds or borders. Pkt., 10c; ¼ oz., 70c.

## POPPIES

**AMERICAN LEGION.** Shirley type; large brilliant orange-scarlet with yellow anthers. Pkt., 10c; oz., 25c.

**TULIP POPPY.** One of the most brilliant annuals, the flowers are 3 inches in diameter and of a brilliant scarlet color, greatly resembling tulips. Pkt., 10c; oz., 50c.

**THE SHIRLEY.** Special strain mixed; fine for bedding or cutting; single annual. Pkt., 10c; oz., 25c.

**CARNATION FLOWERED.** Splendid double fringed flower annual; mixed. Pkt., 10c; oz., 25c.

**PEONY FLOWERED.** Dwarf annual, very useful for bedding. Pkt., 10c; oz., 25c.

**ESCHSCHOLTZIA.** (California Poppy.) Spreading plants 1 foot high, suitable for beds and borders, blooming from June until frost. Hybrid mixed. Pkt., 10c; oz., 75c.

## PORTULACA—Mexican Rose

Very showy annual, easily grown, and very effective when massed in beds or edgings. A profusion of brilliantly colored flowers are produced throughout the summer. They thrive best in rather rich soil in a sunny situation.

**\*LARGE-FLOWERING EXTRA DOUBLE MIXED.** Pkt., 10c; ¼ oz., 75c.

**\*LARGE FLOWERING SINGLE MIXED.** All colors. Pkt., 10c; ¼ oz., 20c.

## RICINUS—CASTOR OIL BEAN

Ornamental plants of strong, stately growth, the foliage having the appearance of a tropical plant, very effective when planted in masses or as centers of Canna or Dahlia beds.

## SALPIGLOSSIS

Petunia-like flower borne on bushy stem, about 24 inches tall, various shades, which flower profusely during the summer. Mixed. Pkt., 10c; oz., 75c.

## SALVIA SPLENDENS OR SCARLET SAGE

Very popular bedding plant, extensively used for lawn and conservatory decoration, bearing long spikes of brilliant flowers from July to frost.

**SPLENDENS.** Standard type. Pkt., 10c; oz., \$1.50.

**BONFIRE.** Very dense flowering 2½ foot plants, excellent for beds or massing for color effect. Pkt., 10c; ¼ oz., 50c.

**FIREBRAND.** The most brilliant of all types. If sown in February produces flowers from June until frost. Its dwarf compact growth makes it especially suitable for edging lawns or borders. Pkt., 25c; ¼ oz., \$1.50.

## SANVITALIA

**\*PROCUMBENS FLORE PLENO.** Useful border and edging plant of spreading nature, 8 inches tall, continuously producing an abundance of deep golden yellow double blooms resembling small zinnias. Pkt., 10c; ¼ oz., 75c.

## SCABIOSA OR MOURNING BRIDE

Fine free-flowering plants for mixed borders and highly esteemed for cut flowers. The blooms are borne on long, erect stems in globular heads in colors ranging from white to dark maroon. Height 2 to 2½ feet. Double mixed. Pkt., 10c; oz., 50c.

**ISAAC HOUSE HYBRIDS.** Pkt., 10c; oz., \$1.50.

**SNAPDRAGON.** See Antirrhinum, page 3.



Stocks



Schizanthus



Salpiglossis

Varieties marked \* suitable for Rock Gardens.



### SCHIZANTHUS

\***MONARCH.** A plant noted for its wonderful variety of coloring and peculiarly shaped flowers, fine for cutting, graceful fern-like foliage, height about 18 inches. Pkt., 10c; oz., \$1.00.

### SENSITIVE PLANT—MIMOSA

Curious and interesting annuals, with pinkish-white flowers; the leaves close and droop when touched or shaken. Pkt., 10c; ¼ oz., 15c.

### STEVIA

**SERRATA.** Grown out-doors or as a home plant for its dainty, fragrant, tiny white, star shaped flowers produced profusely. Excellent cut flower for combining with other varieties. Pkt., 10c; ¼ oz., 50c.

### STOCKS-10-WEEKS

One of the most popular annuals, either for potting or bedding. For brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed.

**DWARF GERMAN DOUBLE MIXED.** Pkt., 10c; ¼ oz., 80c.

**DOUBLE GIANT EXCELSIOR.** Old Rose; three feet high. Pkt., 10c; ¼ oz., \$2.00.

**EARLY GIANT IMPERIAL.** (Bismarck.) Mixed. Pkt., 10c; ¼ oz., \$1.25.

**EMPEROR OR PERPETUAL.** These fine stocks will live outdoors for several years if protected with a fairly thick layer of straw, which must be lifted early in the spring before it gets warm. If sown any time before July will bloom the following spring. Pkt., 10c; ¼ oz., 50c.

\***VIRGINIA.** Very early bedding variety. Six inch plants bearing a profusion of small flowers continuously during cool weather. Red or mixed. Pkt., 10c; oz., 30c.

## SWEET PEAS

CALIFORNIA GROWN

SUCCESSFUL EVERYWHERE

One ounce for 50 feet of row.

**THE SPENCERS** are of exceptionally large size, the petals waved and frilled and the general effect remarkably graceful and effective. The plants are of vigorous growth and remain in bloom for a longer time than the Grandiflora sorts.

**CULTURE.**—Grow named varieties of the colors you like best; know them by name in your garden and you will derive much more pleasure from them. Early in the spring make a trench three to four inches deep in rich, mellow soil, so arranged that no water can stand in it and plant the seed in the bottom, covering at first only one inch deep. When the plants are two inches high, cultivate; and as they grow, gradually fill in the trench. When the plants are about five inches high they should be supported by poultry netting, strings or brush. Water should be applied thoroughly once or twice a week early in the morning or in the evening. The blooms should be picked before they form pods or the plants will soon stop flowering. The following have been selected from hundreds of varieties, as being those of the highest quality in their respective classes.

### SPENCER VARIETIES

**ASTA OHN.** Pinkish-lavender.

**AUSTIN FREDERICK IMPROVED.** Large pure lavender.

**BLANCHE FERRY SPENCER.** Bright rose, standard wings, white flushed pink.

**DOREEN.** Large carmine.

**ELFRIDA PEARSON.** Giant blush pink.

**GLORIOSA.** Deep orange scarlet.

**HAWLMARK CERISE.** Bright salmon cerise.

**HEBE.** Giant rose pink.

**KING EDWARD SPENCER.** Pure red.

**KING WHITE.** Giant white.

**MAJESTIC CREAM.** Large deep cream.

**MARGARET ATLEE.** Rosy salmon buff.

**MARY PICKFORD.** Cream pink suffused with salmon.

**MRS. TOM JONES.** Deep amethyst-blue; very fine form, the best of the deep blues.

**PICTURE.** Cream pink suffused with apricot.

**ROYAL PURPLE.** Rich purple.

**TANGERINE IMPROVED.** Salmon orange.

**WARRIOR.** Giant maroon.

**ABOVE VARIETIES**—Packet, 10c; ounce, 25c; ¼ pound, 75c; pound, \$2.50.

### EARLY FLOWERING SPENCERS

Florists' varieties for early forcing—can also be grown successfully outdoors, coming into bloom a month earlier than original Spencers.

**EARLY BLUE BOY.** Clear blue.

**EARLY COLUMBIA.** Best pink and white bi-color.

**EARLY HARMONY.** Clear lavender.

**EARLY SNOWFLAKE.** Pure white.

**EARLY VULCAN.** The most vivid scarlet in Sweet Peas and does not burn.

**ZVOLANEK'S ROSE.** Bright rose pink.

**PRICES**—Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

### SWEET PEA MIXTURES

Our Sweet Pea Mixtures are combined of carefully considered proportions of varieties which have proven themselves to be the very choicest of their respective types and colors. These mixtures cannot be equaled in their beauty and flowering qualities.

**MANNS' SUPERB SPENCER MIXTURE.** Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

Varieties marked \* suitable for Rock Gardens.



**SUMMER POINSETTIA**

See *Amaranthus Molten Fire* also *Euphorbia, Heterophylla*.

**TORENIA (Wish-bone Flower)**

\***FOURNIERI.** Violet and lavender colored flowers with deep yellow throats somewhat resembling elongated snapdragons. Plants grow a foot tall and bloom all summer until frost. Pkt., 10c; ½ oz., \$1.00.

**URSINIA**

**ANETHOIDES.** Rich orange colored daisy like flowers with centers varying from red to purple, spangled with jewel-like dots. Very free flowering from June until frost. Plants 2 feet, tall bushy with mass of blooms held well above foliage. Excellent for cutting or garden decoration. Pkt., 10c; ¼ oz., \$1.00.

**VENIDIUM**

**FASTUOSUM.** Very showy plant 2 to 3 feet tall, producing 3 inch diameter brilliant orange flowers with dark centers. The soft gray woolly foliage is very attractive. Pkt., 10c; 1/16 oz., \$1.00.

**VERBENA**

One of the finest bedding plants and also suitable for borders, with its heads of brilliantly colored flowers, producing one mass of bloom throughout the summer. Seeds may be planted as soon as the ground can be worked or earlier indoors and transplanted to the beds in April or May. They succeed in almost any good garden soil.

**HYBRID MIXED.** Extra large flowered, brilliant colors and vigorous. Pkt., 10c; ¼ oz., 25c.

\***HYBRID COMPACTA MIXED.** Very compact and erect in its habit of growth; excellent border variety. Pkt., 10c; ¼ oz., 50c.

Named varieties deep scarlet, scarlet with white eye, salmon, pink, or white. Pkt., 10c; ¼ oz., \$1.50.

**VINCA (Periwinkle)**

Very attractive bushy plants with luxuriant glossy green foliage, producing in abundance handsome flowers that bloom freely all summer. Excellent for borders, summer bedding and window boxes, one foot tall. Pkt., 10c; oz., \$1.00.

**ZINNIAS—DOUBLE**

We have given particular attention to these annuals, developing them into perfection unsurpassed.

**COLOSSAL GIANT DOUBLE MIXED.** Pkt., 10c; oz., 50c.

**DAHLIA FLOWERED IN SEPARATE COLORS**

**CRIMSON MONARCH.** Bright crimson.

**DREAM.** Deep lavender purple.

**GOLDEN STATE.** Rich orange yellow.

**ILLUMINATION.** Deep soft pink.

**METEOR.** Rich glowing dark red.

**POLAR BEAR.** Pure white. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

**DAHLIA FLOWERED MIXED.** Pkt., 10c; oz., \$1.25.

**DOUBLE LILLIPUT**

Dainty profuse blooming type, 12 to 15 inches tall; flowers 1 inch in diameter, very popular. Orange, Salmon Rose, Lilac, Scarlet, Mixed. Pkt., 10c; oz., 50c.



Dahlia Flowered Zinnia

**VINES**

**BALLOON VINE.** (*Cardiospermum*.) Very graceful, rapid grower, producing inconspicuous flowers, foliage light green. Pkt., 5c; oz., 20c.

**BALSAM PEAR.** (*Momordica Charantia*.) Fine for trellises or low fences. Rapid growing vines with lobed light green leaves and beautiful fruits of a rich golden yellow color, which when ripe, open up, disclosing the seeds enclosed in a carmine covering. Pkt., 10c; ¼ oz., 25c.

**CARDINAL CLIMBER.** (*Ipomoea Cardinalis*.) An easily grown climber developing to perfection in sandy loam soil. The brilliant scarlet flowers are borne profusely. The leaves resemble those of a fine Japanese Mahle. Pkt., 10c; ½ oz., 35c.

**CANARY BIRD FLOWER.** (*Nasturtium peregrinum*.) A most beautiful climber of rapid growth with handsome fringed, rich yellow flowers and fine delicate foliage. Pkt., 5c; ¼ oz., 15c.

**CLIMBING FOXGLOVE.** (*Lophospermum Scandens*.) Start the seed indoors during March, cover thinly with fine soil. A graceful annual climber from Mexico. The beautiful flowers are of large size and resemble Foxgloves in shape. They are of a rich purple color. The foliage is of a velvety texture. Blooms continuously from July until frost. Under favorable conditions the vines grow 10 feet tall. Pkt., 10c; ½ oz., 50c.

**COBAEA SCANDENS.** Of rapid growth, with fine foliage and large bell-shaped flowers of a beautiful violet blue color. Pkt., 10c; ¼ oz., 25c.

**WILD CUCUMBER VINE.** (*Echinocystis lobata*.) A quick-growing and attractive climber, will grow 20 feet in six weeks, the large foliage affording plenty of shade. Covered during the summer and fall with sprays of small white flowers. Pkt., 10c; oz., 20c.

**CYPRESS VINE.** (*Ipomoea quamoclit*.) Beautiful and very popular, slender vine, with fern-like foliage and a mass of small star-shaped flowers. Mixed colors. Pkt., 10c; ¼ oz., 15c.

**GOURDS.** A large and interesting class producing a great variety of curious fruits, many of which are peculiarly marked. Pkt., 10c; oz., 25c.

**KUDZU VINE.** (*Pueraria thumbergiana*.) One of the most rapid growing of all climbers, providing a dense screen of large rich green leaves. Pkt., 10c; ¼ oz., 25c; oz., 75c.

**HYACINTH BEAN.** (*Dolichos*.) Of extra rapid growth, introduced from Japan and very much superior to the old-fashioned flowering bean. Darkness, purple flower; daylight, white flowers; or mixed. Pkt., 5c; oz., 10c.

**JAPANESE HOP VINE.** (*Humulus Japonicus*.) Where an attractive climber is desired that will stand rough usage there is nothing better. Pkt., 5c; ¼ oz., 20c.

**MOON FLOWER.** (*Ipomoea mexicana*.) Very pretty, rapid growing vine, with handsome trumpet-shaped flowers. Pkt., 5c; ¼ oz., 20c.

**MORNING GLORY.** (*Convolvulus*.) This splendid and very popular climber needs no introduction. Our Giant Japanese Imperial Mixture is unsurpassed. Pkt., 5c; oz., 15c.

**CLIMBING NASTURTIUM.** Flower and foliage similar to dwarf Nasturtiums; the growth, however, being much more vigorous. 5 to 7 feet. They may be used for porches or urns or left to run freely over the ground. Choicest Mixture, oz., 10c; ¼ lb., 30c; lb., 75c.

**PASSION FLOWER.** (*Passiflora*.) A most interesting and well known climber, bearing singularly beautiful flowers. Pkt., 10c; ¼ oz., \$1.00.

**SMILAX.** (*Medeola*.) This popular Boston Smilax is a most desirable window vine, on account of its charming, glossy green, graceful foliage. Perennial, splendid for greenhouse or conservatory. Pkt., 5c; ¼ oz., 25c.

**THUNBERGIA.** (*Black-eyed Susan*.) Free-flowering and of rapid growth. May be trained on a slender trellis or allowed to run freely over the ground to cover bare spaces. Pkt., 10c; ¼ oz., 35c.

**SCARLET RUNNER.** Of very rapid growth, producing clusters of showy bright scarlet pea-shaped blossoms, followed by edible beans of very fine quality. Pkt., 5c; lb., 50c.

**CINNAMON VINE.** Hardy climber, small white flowers. Strong tubers, 15c each.

**MADEIRA VINE.** Rapid growing climber. 15c each. \$1.50 per doz.

**CLEMATIS PANICULATA.** (White.) One of the most beautifully hardy climbers; of strong rapid growth, producing a profusion of deliciously fragrant flowers. 50c each.

**JACKMANII.** A perennial climber with very delightful purple flowers. 75c each.

## PERENNIAL FLOWER SEEDS



Anemone

### ACHILLEA—Ptarmica

**THE PEARL.** Small double white flower in great profusion. 2 feet tall. Blooms freely during July and August. An excellent perennial for cutting, and very fine for the foreground of shrubs and for borders. Pkt., 10c; 1/16 oz., 60c.

### ACONITUM (Monkshood or Helmet Flower)

**FISCHERI.** A dwarf variety growing 18 inches high, with large pale blue flowers in September and October. Pkt., 10c; ¼ oz., \$1.50.

### ALYSSUM

**\*SAXATILE—Compactum.** An excellent border plant 6 to 9 inches tall covered with bright sulphur-yellow flowers during early spring. Pkt., 10c; ¼ oz., 40c; oz., \$1.25.

### ANCHUSA ITALICA (Alkanet)

**DROPMORE.** One of the finest blue flowered plants growing 4 feet tall. Magnificent spikes from June until frost. An excellent plant for the background to hide walls or fences. Pkt., 10c; oz., 75c.

### ANEMONE

**\*CORONARIA ST. BRIGID.** Blooms early in the spring, grows about 10 inches tall, and has a variety of colors. Pkt., 10c; ¼ oz., \$1.25.

**\*SYLVESTRIS.** A scented white flower with cup-shaped blossoms. Splendid for bouquets. From April to July, height 18 inches. Pkt., 10c; ¼ oz., \$1.00.

### AQUILEGIA OR COLUMBINE

As a cut flower the long spurred Aquilegias are the daintiest of our outdoor grown flowers. Very hardy, blooming profusely early in the season and remaining in bloom for a considerable period. **LONG SPURRED GIANT HYBRIDS.** Pkt., 25c; ¼ oz., \$2.00.

**MRS. SCOTT ELLIOTT HYBRIDS.** The world's finest strain, consisting of the most wonderful colors, with very long spurred flowers. Pkt., 10c; ¼ oz., \$1.00.

**\*CAERULEA—The Rocky Mountain Columbine.** Blue and white flowers, 18 inches tall, blooms during June. Pkt., 10c; ¼ oz., \$1.00.

### ARABIS—Rock Cress

**\*ALPINA.** An excellent early blooming dwarf perennial, covered with a mass of white flowers. It makes a fine border to taller perennials. Blooms during April. Pkt., 10c; oz., 75c.

Perennials are used extensively in old fashioned gardens, hardy borders and rock gardens. They are easily grown and when once established become increasingly beautiful year after year. Care should be taken in selecting varieties according to their color, height and season of bloom.

The seeds may be sown indoors or in hot beds early in the spring and transplanted to their permanent locations when three or four inches tall. Very satisfactory results can also be obtained by sowing the seeds early in August and shading from excessive heat by using lath or burlap screens. It is well to give young plants winter protection the first year.

The following list includes those varieties which are most popular because of their beauty, usefulness and adaptability to local climatic conditions.

### ARMERIA—Sea Pink

**\*FORMOSUM HYBRIDS.** Dwarf growing plants with grassy leaves and clover-like flower heads from May until July in various shades of pinks. Pkt., 10c; ¼ oz., 50c.

### ASTER

**NOVA BELGIL.** Large double lilac-blue; September and October. 4 to 5 feet. Pkt., 10c; ¼ oz., \$1.75.

### AUBRIETIA

**\*LARGE FLOWERING HYBRIDS.** Excellent dwarf spreading plants with rose, blue and lilac, blooms early in spring. Pkt., 10c; ¼ oz., 75c; ¼ oz., \$1.25.

### BELLIS—English Daisy (Double)

Favorite perennials producing their handsome double flowers in the spring. Rich soil and a cool situation suit them best.

**GIANT DARK ROSE.** Extra large double rose flowers from April on. Prefers a cool, shady place. Pkt., 10c; ¼ oz., 90c.

**GIANT WHITE.** Beautiful white double flowers produced on compact and sturdy plants. Pkt., 10c; ¼ oz., 90c.

**DOUBLE MIXED.** This mixture includes a well-balanced proportion of all colors. Pkt., 10c; ¼ oz., 75c.



Aquilegia

**BOSTON IVY**

**AMPELOPSIS VEITCHII.** Popular wall ivy with three lobed leaves which turn to a bright red color late in the fall. Pkt., 10c; oz., 50c.

**CALCEOLARIA (Tender)**

**HYBRIDA GRANDIFLORA.** Produces a mass of pocket-like flowers of various shades through the spring and summer. Fine for the greenhouse. Pkt., 50c; 1/32 oz., \$5.00.

**CALLIRHOE—Poppy Mallow**

\***INVOLCRATA**—Rosy crimson flowers borne profusely from July until October. Of trailing habit, does well even in poor and sandy soil. Pkt., 10c; 1/4 oz., 50c.

**CAMPANULA—CANTERBURY BELLS**

**CALYCANTHEMA.** Tall, erect growing plants, completely covered with large cup and saucer-shaped flowers during May and June. A hardy Biennial. Blue, Rose, White and Mixed. Pkt., 10c; 1/4 oz., 25c; oz., \$1.50.

**CAMPANULA (Single)**

\***CARPATICA.** Flowers clear blue and white, held erect on wiry stems 8 inches high, begins blooming in July until October. Pkt., 10c; 1/4 oz., 25c.

**PYRAMIDALIS.** Produces spikes 4 to 6 feet, covered with star-shaped flowers during entire summer. Blue and White. Pkt., 10c; 1/4 oz., 25c.

**PERSICIFOLIA.** Elegant blue and white flowers, height 2 feet. Pkt., 10c; 1/4 oz., 40c.

**CANDYTUFT**

\***IBERIS SEMPERVIRENS.** Large heads of white flowers, covering the plants during May; 1 foot. Pkt., 10c; 1/4 oz., 90c.

**GIBRALTARICA.** Much like the above, color of lilac rose. Pkt., 10c; 1/4 oz., 45c.

**CARNATIONS**

With protection these well known half-hardy perennials can be wintered over outdoors. When planted early they will begin to bloom in about four months and continue until late in the fall. For winter blooming they should be cut back by removing the flower shoots early in the fall and transplanted to pots and kept in a cool room.

**EARLY DWARF VIENNA.** Mixed Dwarf, compact plants about a foot tall, displaying an excellent range of bright colors. Pkt., 10c; 1/8 oz., 35c.

**MARGARET.** Half Dwarf, choice double mixed. Pkt., 10c; 1/8 oz., 35c.

**PERPETUAL (Famous Chaubaud Type).** Choicest mixture. Pkt., 10c; 1/4 oz., 70c.



Calceolaria



Marguerite Carnations

**CENTAUREA**

**MACROCEPHALA.** An excellent long stem cut flower. Large, golden yellow, thistle-like flowers of graceful formation. Pkt., 10c; 1/4 oz., 50c.

**MONTANA.** Showy, thistle-like, blue flowers on sturdy plants, growing 2 feet tall. Blooms freely from late April until late June. Pkt., 10c; 1/4 oz., 30c.

**CERASTIUM—Snow in Summer**

**TOMENTOSUM.** A valuable creeping plant, with silvery white foliage and snowy white star-shaped blooms covering the plants during May and June. When in full bloom the plants appear like a bed of snow. Pkt., 10c; 1/4 oz., 50c.

**CHRYSANTHEMUM**

Perennial Chrysanthemums are grown chiefly from divisions of roots of the Japanese varieties and cultivated by florists for late fall and winter cut flowers. The following perennials, however, can be very satisfactorily grown from seed, producing beautiful double flowers.

**FINEST MIXED.** Pkt., 10c; 1/4 oz., 30c.

**CINERARIA (Greenhouse)**

**HYBRIDA.** Extra large flowered, first quality mixture. Pkt., 50c; 1/8 oz., \$6.75.

**MARITIMA.** Entirely different from the popular Cineraria, being most useful for bedding. Silver-leaved; also called Dusty Miller. Pkt., 10c; oz., 50c.

**COLEUS (Tender)**

An attractive foliage plant for ornamental bedding. Finest hybrid mixture. Pkt., 25c; 1/4 oz., \$2.00.

**COREOPSIS—Golden Wave**

**GRANDIFLORA, fl. pl.** This variety produces a large number of double and semi-double broadly expanded golden yellow flowers. The plants bloom freely during late spring and summer. Grows about 2 feet tall. Pkt., 10c; 1/4 oz., 25c.

**LANCEOLATA AURICULAEFLORA.** With dark disc. Pkt., 10c; 1/4 oz., 35c.

**CYCLAMEN (Tender)**

Universally admired, tuberous rooted house plants with beautiful foliage and richly colored flowers. Sow the seed in light rich soil, barely covering, and keep at a temperature of 50 to 60 degrees F. Water freely until well started. Seeds sown in spring, by autumn will produce little bulbs, which placed in pots will bloom the following spring.

**AMSTERDAM GIANTS, Florists Prize Mixture.** Pkt., 25c; 100 seeds, \$2.00; 1/16 oz., \$3.50.



Delphinium



Gerbera



Feverfew

**DAHLIA (Half Hardy)**

Seed should be planted very early indoors and the plants transplanted in May or June. Most of the plants will bloom the same year. The roots should be dug before freezing weather and stored in sand in a cool place.

**CACTUS HYBRIDS.** Extra double mixed. Pkt., 25c;  $\frac{1}{4}$  oz., \$2.00.

**DECORATIVE.** Pkt., 25c;  $\frac{1}{4}$  oz., \$3.50.

**DELPHINIUM (Hardy Perennial Larkspur)**

One of the finest hardy perennials. Very effective in beds, masses or borders. To prolong the season of bloom cut the old flower stems off after they have faded and new shoots will produce flower heads successively. Sow Delphinium seed as soon as it is received to insure strong germination.

**GOLD MEDAL HYBRIDS.** A selected English variety, producing long spikes, completely covered with large blooms. The colors range from sky-blue to a deep pansy violet. Pkt., 25c;  $\frac{1}{2}$  oz., \$1.25.

**WREXHAM OR HOLLYHOCK STRAIN.** Light, medium or deep blue shades. Pkt., 25c;  $\frac{1}{16}$  oz., \$1.00.

**DIANTHUS—Hardy Pinks**

**FLORISTS PERPETUAL.** Large clusters, fragrant, very useful for cut flowers. Double mixed. Pkt., 10c;  $\frac{1}{4}$  oz., \$1.50.

**\*PLUMARIUS—Single Mixed.** Large showy single flowers in wide range of colors during May and June. 1 foot tall. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

**\*PLUMARIUS—Double Mixed.** Of very compact growth, double flowers in many colors, during May and June. 1 foot tall. Pkt., 10c;  $\frac{1}{4}$  oz., 50c.

**EUPHORBIA (Snow on the Mountain)**

**VARIEGATA.** A very showy plant, growing about 18 inches high and bearing umbels of pure white flowers with a small green eye during June to August. Pkt., 10c; oz., 35c.

**FEVERFEW (Matricaria)**

Beautiful, small, white button-like double flower heads. Plants of husky growth with very finely cut dark green foliage; desirable for bedding. Pkt., 10c; oz., 75c.

**FORGET-ME-NOT—Myosotis**

**\*ALPESTRIS.** White, Blue, Pink, or Mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

**\*PALUSTRIS.** This is the Marsh Forget-Me-Not with its attractive heavy dark green foliage and bright blue flowers. Plant in the shade. Pkt., 10c;  $\frac{1}{4}$  oz., 50c.

**FOXGLOVE OR DIGITALIS**

In stately appearance the Foxgloves occupy a prominent place among our hardy plants. They succeed well in an average garden soil. Early summer sowings do best. White, Yellow, Rose, Purple. Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.25.

**FINE MIXED.** This mixture of the Giant Foxgloves is sure to please every gardener. It contains a wide range of rich colors. Pkt., 10c;  $\frac{1}{4}$  oz., 25c; oz., 90c.

**THE SHIRELY.** This is a really beautiful new strain of Foxglove, bearing long, stately spikes closely set with large open bells of many bright colors. Especially showy and strong growing. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., \$1.50.

**GAILLARDIA**

**GRANDIFLORA (Blanket Flower).** Beautiful large crimson flowers with contrasting yellow tips; 2 feet tall. Blooms from late spring until frost. Easily grown. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

**PORTOLA HYBRIDS.** A new strain of Gaillardia of strong growth. The long stemmed, well-shaped flowers are golden yellow, marked with rich scarlet. Most outstanding. Pkt., 10c;  $\frac{1}{2}$  oz., 40c.

**GERBERA (Jamesoni Hybrids)**

**NEW AFRICAN TRANSVAL DAISY,** producing wonderfully beautiful daisy-like blooms of large size, in a wide range of colors. Grown either as a greenhouse plant or propagated in hot-beds and set out early in May. Very profitable cut flower for florists. Pkt., 10 seeds, 10c; 100 seeds, 75c; 1,000 seeds, \$5.00.

**GEUM—Coccineum**

**\*MRS. BRADSHAW.** Graceful, double orange-scarlet flowers produced during the summer on plants 2 feet tall. Pkt., 10c;  $\frac{1}{8}$  oz., 50c.

**\*LADY STRATHEDEN.** Fine, double, golden yellow flowers borne on graceful stems. Blooms during the summer; 2 feet. Pkt., 10c;  $\frac{1}{2}$  oz., 60c.



**GYPSOPHILA—Baby's Breath**

**SINGLE (PANICULATA).** Tiny white flowers borne on slender stems. The plants are simply covered with blooms during June and July; 2½ feet. Pkt., 10c; ¼ oz., 25c.

**DOUBLE BABY'S BREATH.** Small, double, white flowers, carried on slender wiry stems. Makes a fine show during June and July. Pkt., 20c; ¼ oz., \$2.00.

**\*REPENS.** An excellent variety for rock-garden planting because of its prostrate growth. The plants are covered with small white flowers during June and July; 4 inches tall. Pkt., 10c; ¼ oz., 50c.

**HELENIUM (P)**

**RIVERTON BEAUTY.** Lemon-yellow flowers with a large purplish black cone in center. Blooms in August and September. Pkt., 10c; ¼ oz., \$1.00.

**HELIOPSIS—Hardy Zinnia**

**SCABRA ZINNIAEFLORE.** The double yellow flowers resembling a Dahlia are produced on stalks 3 to 4 feet tall during the entire summer. Excellent for cutting. Pkt., 10c; ¼ oz., 50c.

**HELIOTROPE (Half Hardy)**

The delightful fragrance and duration of bloom of this flower make it a garden favorite. Can be grown from seed as easily as Verbenas, and should be started early so that large plants may be had for bedding out. The colors of the blossoms range from white through all shades of violet to the deepest purple.

**GIANT LEMOINI, mixed.** Pkt., 10c; ¼ oz., 75c.

**HESPERIS MATRONALIS****(SWEET ROCKET)**

Old fashioned garden plants growing 2 to 3 feet high, bearing spikes of white or purple flowers. Excellent for planting in a border or among shrubbery. Pkt., 10c; ¼ oz., 25c.

**HEUCHERA—CORAL-BELLS**

**SANGUINEA HYBRIDS.** Spikes in White, Pink, Rose and Crimson, 12 inches tall, blooms from May until July. Pkt., 25c; 1/16 oz., \$2.00.

**HIBISCUS—MALLOW MARVELS**

**GIANT MIXED.** Canes growing 6 feet tall with large flower spikes in Crimson, Pink and White, blooms from May until July. Pkt., 10c; ¼ oz., 40c.

**MOSCHATA.** An easily grown garden variety, growing about 3 feet tall, producing flowers of large size and a variety of colors. Pkt., 10c; oz., 50c.

**HOLLYHOCKS**

**GOLD MEDAL STRAIN.** Double crested Begonia flowered. Not only are the flowers very large and perfect in form but they are produced in far greater numbers than the old-fashioned Hollyhock.

**Fine Mixed.** Pkt., 20c; ¼ oz., 50c.

**Charters Double Choice Mixture.** Pkt., 10c; ¼ oz., 30c.

**Single Mixed.** Large, very artistic blooms. Pkt., 10c; ¼ oz., 20c.

**IBERIS—See Candytuft (Perennial)****INCARVILLEA—Hardy Gloxinia**

**DELAVAYI.** Bright rose flowers, plants 15 to 18 inches tall, June and July. Succeeds well in sunny border. Pkt., 25c; 1/16 oz., \$3.00.

**LATHYRUS—Perennial Sweet Peas**

Hardy climber with branches 8 to 10 feet long, blooms freely during the summer. Excellent for cutting.

**PINK BEAUTY.** Bright Rose Pink. Pkt., 10c; oz., \$1.25.

**CRIMSON.** Brilliant. Pkt., 10c; oz., \$1.00.

**GIANT WHITE PEARL.** Clusters of beautiful white flowers. Pkt., 10c; oz., 75c.

**MIXED.** All three colors. Pkt., 10c; ¼ oz., 65c.

**LINARIA—Kenilworth Ivy**

**\*CYMBALARIA.** Small lilac blue flowers, are born on a charming neat trailing plant. Pkt., 10c; ¼ oz., 40c.

**LINUM—Perennial Flax**

**\*PERENNE SIBERICUM.** Beautiful light blue flowers borne profusely on plants 2 feet tall from July until August. The blooms last only one day but they are produced continuously. Pkt., 10c; ½ oz., 30c.

**LUNARIA—Honesty**

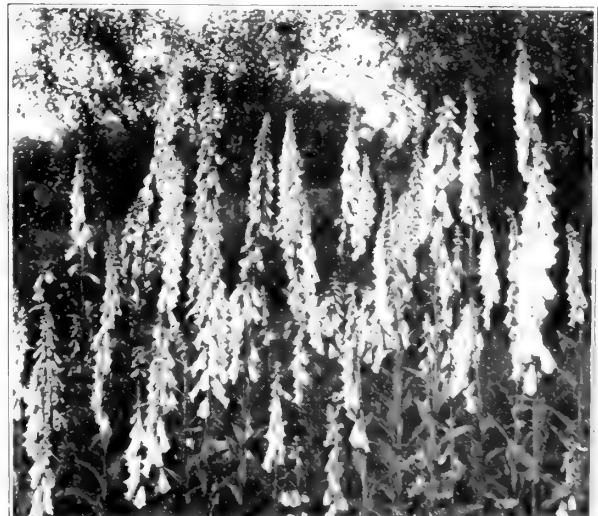
Biennial plant having round, silvery, paper-like seed-pods which are dried for winter bouquets. Pkt., 10c; ¼ oz., 25c.



Sweet Rocket



Gaillardia



Foxglove

**LUPINUS—Hardy Lupines**

A showy hardy plant bearing graceful spikes, studded with sweet-pea shaped flowers, 3 feet. Last long after cutting.

**POLYPHYLLUS.** A very popular sort, bearing clear deep azure blue flowers from June until September. Pkt., 10c; ¼ oz., 20c; oz., 60c.

**MOERHEIMI.** A very showy spike graced with creamy pink flowers. Pkt., 10c; ¼ oz., 25c; oz., 75c.

**SUNSHINE.** A beautiful variety bearing a profusion of bright yellow flower spikes. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.

**LYCHNIS—Maltese Cross**

Elegant hardy perennials of easy culture, excellent for massing in large beds or borders.

**ARKWRIGHTII.** Splendid hybrids, free flowering. Pkt., 10c; ¼ oz., 75c.

**CHALCEDONICA (Rose Champion).** Fine scarlet cross-like flowers, 2 feet; July. Pkt., 10c; ¼ oz., 25c.

**HAAGEANA.** Brilliant large, orange, scarlet, pink and crimson flowers, in mixture; 1 foot; July. Pkt., 10c; ¼ lb., 75c.

**VISCARIA SPLENDENS.** Bright rose red; 1 foot. Pkt., 10c; ¼ lb., 25c.

**LYTHRUM—Loose Strife**

**ROSEUM SUPERBUM.** Fine long heads of rich purplish red flowers from early July until late September, 2 to 3 feet tall. Pkt., 10c; ¼ oz., \$1.25.

**MIMULUS (Half Hardy)**

Showy, profuse flowering plants, fine for greenhouse or moist shady situations, blooming the first year from seed if sown early; 1 foot high. Often used for hanging baskets or window boxes.

**MOSCHATUS OR MUSK PLANT.** Fragrant foliage. Seed extremely small. Pkt., 10c; ½ oz., \$3.00.

**PENSTEMON**

**HARTWEGII.** Beautiful bell-shaped flowers on 18-inch spikes. Pkt., 10c; ¼ oz., \$1.00.

**PHLOX**

**DECUSSATA—New Hybrids.** 2 to 3 feet high; flowers in all bright colors; sow seeds late in fall and they will germinate in the spring. Pkt., 10c; ¼ oz., 75c.

**PLATYCODON—Chinese Bellflower**

**GRANDIFLORA.** Large showy, deep blue flowers on 20-inch spikes, are produced all summer. A splendid plant for the hardy border. Pkt., 10c; ½ oz., 25c.

\***MARIESII.** Deep blue flowers in June and July; 1 foot. Pkt., 10c; ¼ oz., \$2.75.

**PHYSALIS—Chinese Lantern Plant**

**FRANCHETII.** Dense bushes about 2 feet high, producing freely, bright, orange-scarlet, lantern-like fruits. Pkt., 10c; ¼ oz., 50c.

**PHYSOSTEGIA—False Dragon Head**

A very pretty hardy perennial; dense bushes, bearing freely delicate tubular flowers; 3 to 4 feet; July-August.

**VIRGINICA.** Pink. Pkt., 10c; ¼ oz., \$1.00.

**VIRGINICA ALBA.** White. Pkt., 10c; ¼ oz., \$1.00.

**POPIES**

These brightly colored flowers are unequalled for effectiveness and brilliancy of display. They succeed best in a sunny position.

**ORIENTAL.** The blooms are an intense shade of scarlet red having a conspicuous black blotch on each petal, borne on 2½ foot stumps during June and July. Pkt., 10c; ¼ oz., 50c.

**PRINCESS VICTORIA LOUISE.** An exquisite variety with mammoth flowers of bright salmon rose, very free bloomer. Pkt., 10c; ¼ oz., 90c.

**CHOICEST MIXED.** It includes many bright shades as is found in Oriental Poppies. Pkt., 10c; ¼ oz., 40c.

**ROMNEYA COULTIN MATILJA.** (Hardy California Tree Poppy.) 4 to 5 feet. Flowers white, 5 inches in diameter, very fragrant. Pkt., 10c; ¼ oz., \$1.25.

**NUDICAULE—Iceland Poppies**

Great numbers of flowers on slender stems 1 foot long throughout the season.

\***COONARA PINK.** A particularly fine strain of a lovely pink shade of latest introduction. Pkt., 20c; ½ oz., \$1.00.

\***DOUBLE MIXED.** Embracing all the graceful, gaily, colored flowers in white, yellow and orange found in Iceland Poppies. Pkt., 10c; ¼ oz., 75c.

**PRIMULA—Primrose**

\***AURICULA.** Many bright colors, including orange, copper, brown, and other pastel shades. An excellent hardy Primrose for the border; 6 inches tall. Blooms during spring. Pkt., 10c; 1/16 oz., 50c.

\***VULGARIS (English Primrose).** Large rich yellow flowers during the spring; 6 to 8 inches tall. A favorite variety. Pkt., 10c; 1/16 oz., 50c.

**COWSLIP OR OENOTHERA.** Evening Primrose. Pkt., 10c; ¼ oz., 20c.

**CHINESE PRIMROSE.** (Primula sinensis fimbriata.) Popular winter blooming pot plant. Special florist strain, giant mixed. Pkt., 25c; 1/16 oz., \$8.00.

**MALACOIDES.** Fine house plant, lilac. Pkt., 10c; ½ oz., \$2.00.

**PYRETHRUM—Painted Daisy**

**ROSEUM, MIXED.** A showy perennial with daisy-like flowers, blooming during May and June. The plants grow 2 feet tall and come in shades of rose, pink, red and white. Pkt., 10c; ½ oz., 50c.

**DOUBLE MIXED.** This mixture contains many bright showy colors, shading from white to deepest red. The blooms are elegantly doubled. Pkt., 10c; ½ oz., \$1.00.



Physostegia



Platycodon



Saponaria



**RANUNCULUS—Asiaticus**

Improved Palestine strain (Ragionieri). Pkt., 25c; 1/16 oz., \$2.50.

**RUDBECKIA**

**PURPUREA.** A handsome variety, producing large, dull rosy purple flowers with a black center. Blooms from July until October; 2 feet. Pkt., 10c; ¼ oz., 50c.

**SPECIOSA (Cone Flower).** Rich brilliant yellow blooms, purple center. Fall blooming; 2 feet. Pkt., 10c; ¼ oz., 50c.

**SAPONARIA—Rock Soapwort**

\***OCYMOIDES.** Splendid hardy rock plant, with rose pink flowers during spring and summer; 6 to 9 inches tall. Pkt., 10c; ¼ oz., 25c.

**SCABIOSA—Pin Cushion Flower**

Charming perennials for border and cut flower culture. **CAUCASICA.** The large lavender blue flowers are borne profusely on fine long stems. The plants are about 2 feet tall. Pkt., 10c; ¼ oz., 60c.

**COLUMBARIA LAVENDER.** The large lavender blue flowers are borne on short heavy stems, a splendid improvement upon the older varieties. Pkt., 10c; ½ oz., 75c.

**COLUMBARIA PINK.** The showy large blooms are a bright shade of rich pink. Pkt., 10c; ½ oz., 75c.

**SHASTA DAISY**

Splendid hardy perennial plants, having large white flowers with yellow center, born singly on long stiff, wiry stems; excellent for cutting; profuse bloomers. Pkt., 10c; ¼ oz., 35c.

**STATICE—Sea Lavender**

Splendid hardy perennials, either for the border or rockery, producing all summer panicles of small flowers, which can be dried and used for winter bouquets; 2 feet.

**INCANA HYBRIDA.** Mixed colors. Pkt., 10c; ¼ oz., 75c.

**LATIFOLIA.** Large deep-blue flowers. Pkt., 10c; ¼ oz., 60c.

**STOKESIA—Cornflower Aster**

**CYANEA.** A lovely hardy plant producing an abundance of handsome lavender flowers blooming all summer, 2 feet high. Pkt., 10c; ¼ oz., 60c.

**SWEET WILLIAM****DIANTHUS BARBATUS**

A universally admired perennial flower, which, when once started, will last for years. Free-flowering and attractive, producing a splendid effect in beds and borders. It is preferable to sow the seed very early in the spring every year and have vigorous young plants coming into bloom the same season. They may be sown, however, in August to bloom the following spring. Very satisfactory results are also obtained by dividing the roots of old plants.

**SINGLE MIXED.** All shades of white, pink and red. Pkt., 10c; oz., 60c.

**DOUBLE MIXED.** Very fine; all colors. Pkt., 10c; oz., 75c.

**THALICTRUM—Meadow Rue**

Very graceful perennial plants with finely cut foliage; excellent for the hardy border.

**AQUILEGIFOLIUM.** Columbine Meadowrue, 3 feet tall, blooms in June. Pink, White and Purple. Mixed. Pkt., 10c; ¼ oz., 50c.

**DIPTEROCARPUM.** Rosy purple, with yellow anthers. Pkt., 10c; ¼ oz., \$1.25.

**ADIANTIFOLIUM.** Plants 1 foot, yellow flowers; June and July. Pkt., 10c; ¼ oz., 25c.

**TRITOMA—Poker Plant**

**EARLY HYBRID.** Massive orange-scarlet flowers, spikes 3 feet tall. Needs winter protection. Pkt., 10c; ¼ oz., \$1.00.

**UVARIA GRANDIFLORA.** (Poker Plant or Flame Flower.) Large spikes of orange-scarlet flowers, height about 3 feet tall. Pkt., 10c; ¼ oz., \$1.50.

**TROLLIUS (Globe Flower)**

Beautiful border and rockery plants, 18 inches, flowering from May to July.

\***EARLIEST OF ALL,** light orange, yellow.

\***GOLIATH,** dark orange. Pkt., 25c; ¼ oz., \$2.50.

**VALERIANA (Coccinea)**

Very showy red flowered border plant, 2 to 3 feet. Does well in poor soil. Pkt., 10c; oz., 75c.

**VERONICA—Speedwell**

**SPICATA MIXED.** Bright blue, pink and white flowers during June. Grows 1½ feet tall. Pkt., 10c; ¼ oz., 50c.

**MARITIMA.** Deep blue flowers in July to late September; 2 feet. Pkt., 10c; ¼ oz., 50c.

\***REPENS.** Lovely deep blue flowers during May and June; 6 inches tall. Pkt., 20c; ¼ oz., \$1.00.

**VIOLAS OR TUFTED PANSIES**

Well-known, free-flowering hardy perennials, easily grown from seed. While flowers are not so large as the regular type of Pansy, the blooms are produced in such an abundance and the flowering season so much longer that they are superior to pansies for some purposes. Seed sown in April produces flowering plants by June and from then on until frost they are a sheet of bloom.

**PURPLE QUEEN.** Clear distinct blue. Pkt., 10c; ¼ oz., 35c.

**VIOLET-ODORATA**

This beautiful, sweet-scented hardy perennial can be easily grown from seed, thriving best in a partially shaded, moist situation. Pkt., 10c; ¼ oz., 75c.

**WALLFLOWER**

**GIANT GOLIATH.** The earliest and best single variety; large flowered, extra dark blood red. Pkt., 10c; ¼ oz., 20c.

**SINGLE MIXED.** Pkt., 10c; oz., 25c.

**BRANCHING TALL.** Double mixed. Pkt., 10c; ¼ oz., \$2.00.



Trollius



Stokesia



Wallflower



## HARDY PERENNIAL PLANTS

### Special Low Prices

The following prices are merely nominal values for perennials when not on sale. During April and May however, we offer a large stock of handsome, ready to bloom, plants at extremely low prices. Be sure to call at our store this Spring for these special values

#### ACHILLEA—Ptarmica

\*The PEARL, 20c each. \*TOMENTOSA (Yellow), 10c each.

#### ALYSSUM

\*SAXATILE, 25c each; \$2.50 doz.

#### ANCHUSA ITALICA

DROPMORE, 10c each. \*MYOSOTIDIFLORA (Dwarf), 10c ea.

#### AQUILEGIA OR COLUMBINE

LONG SPURRED GIANT HYBRIDS, 25c each; \$2.50 doz.

#### ARABIS—Rock Cross

\*ALPINA, 25c each; \$2.50 doz.



Anchusa

#### ARMERIA—Sea Pink

\*MARITIMA. Forming evergreen tufts 3 inches tall with rose-pink flowers on slender stems 12 inches long. They flower almost continuously from spring to fall. 10c each.

#### ARTEMISIA—Ghost Plant

SILVER KING. Gives the effect of frosted silver, 2 feet. It can be cut down to 5 or 6 inches for bedding purposes. The ornamental silvery foliage proves very effective among shrubbery. 20c each; \$2.00 doz.

#### DWARF ALPINE ASTERS

\*ALPINUS. A hardy border plant indispensable for the rockery, grows 6 to 10 inches high and bears large showy bluish-purple flowers in May and June. 10c each.

#### ASTILBE—Spirea

KRIEMHILDE. A new variety 2½ to 3½ feet high with lovely feathered spikes of pure salmon pink flowers. 75c each.

GRANAT. Dark crimson, very large trusses, very effective. 90c each.

GLADSTONE. Immense trusses of pure white flowers. 90c each.

#### CAMPANULA—Canterbury Bells

CALYCANTHEMA, 15c each; \$1.50 doz.

#### CARNATION

These hardy border Carnations bloom very profusely during summer and fall. In cold sections the plants should be protected with Peat Moss or Straw Manure. The large double flowers are produced in white, red and pink. 10c each.

#### CHRYSANTHEMUM

15c each; \$1.50 doz.

#### COREOPSIS—Golden Wave

LANCEOLATA. Flowers rich golden yellow and of graceful form. Fine for cutting, grows 2 feet tall. Blooms are produced in great quantities all during summer. 20c each; \$2.00 doz.

#### DELPHINIUM—Hardy Larkspur

GOLD MEDAL HYBRIDS, 20c each; \$2.00 doz.

BELLADONNA, 15c each; \$1.50 doz.

BELLAMOSA. A dark blue variety of Belladonna, grows 4 feet tall. 15c each; \$1.50 doz.

#### DIANTHUS—Hardy Pinks

\*PLUMARIUS, 15c each; \$1.50 doz.

\*DELTOIDES—Maiden Pink. A continuous flowering variety with pink flowers, 12 inches high. 25c each; \$2.50 doz.

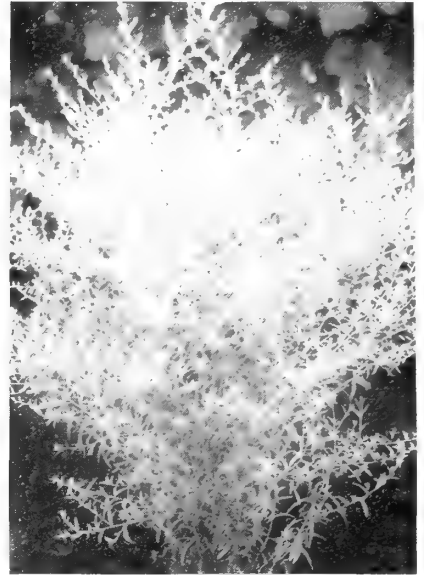
\*ALWOODI. The flowers are much larger than the old type of Hardy Pinks and are borne on long stems suitable for cutting, deliciously clove scented. They are perfectly hardy and bloom continuously from early spring until late in the fall. 25c each; \$2.50 doz.



Astilbe



Helianthus



Artemisia

**DICENTRA—Bleeding Heart**

**SPECTABILIS.** An old fashioned favorite, its long sprays of graceful heart shaped pink flowers are very attractive, blooms very early and disappears during summer and fall. 35c each.

**EUPATORIUM—Hardy Ageratum**

**COELESTINUM.** Blue flowers resembling the annual Ageratum during the fall. Starts growth in June, 2 ft. 10c each.

**FORGET-ME-NOT—Myosotis**

\***ALPESTRIS.** 25c each; \$2.50 doz.

\***PALUSTRIS.** 25c each; \$2.50 doz.

**FOXGLOVE OR DIGITALIS**

**GLOXINIA FLOWERED.** A very showy biennial with large bell-shaped blooms on spikes, 4 to 6 feet high. Includes white, pink, purple lilac. 10c each.

**GAILLARDIA—Blanket Flower**

**GRANDIFLORA.** 10c each.

**GEUM**

\***MRS. BRADSHAW.** 10c each.

\***LADY STRATHEDEN.** 20c each; \$2.00 doz.

**GYSOPHILA—Baby's Breath**

**EHRLEI.** Producing a mass of delicate pure white double flowers during August and September. They may be used as fresh cut flowers in bouquets, also for a semi-everlasting effect. Strong grafted plants. 50c each.

**PANICULATA.** 20c each; \$2.00 doz.

**HELIANTHUS—Hardy Sunflower**

Very effective in borders, among shrubbery or as clumps on the lawn. They produce masses of large double yellow flowers on long graceful sprays during summer until frost. Splendid for cutting and decoration, 4 to 6 feet high. 25c each; \$2.50 doz.

**HEMEROCALLIS—Yellow Day Lily**

**FLAVA.** Lily like plants flowering in great profusion during June and July, deep lemon yellow blooms, very fragrant, 2½ to 3 feet. 20c each; \$2.00 doz.

**KWANSO, fl. pl.** Large, double, golden bronze, blooms during June and July, 3 1/3 feet. 25c each; \$2.50 doz.

**HEUCHERA—Coral Bells**

\***SANGUINEA.** 10c each.

**HIBISCUS—Mallow Marvels**

**GIANT MIXED.** 25c each; \$2.50 doz.

**HOLLYHOCKS**

**GOLD MEDAL STRAIN.** 15c each; \$1.50 doz.

**IBERIS—Hardy Candytuft**

\***SEMPERVIRENS (White).** 10c each.

\***GIBALTARICA (Lilac).** 10c each.

**LATHYRUS—Perennial Sweet Peas**

A hardy trailing or climbing plant with fine Sweet-Pea like flowers produced in cluster from June until September. In colors of red, pink and white. 20c each; \$2.00 doz.

**LILY OF THE VALLEY**

Strong field grown clumps which will give quick results and bloom freely. 50c each.

**LINUM—Perennial Flax**

\***PERENNE.** 25c each; \$2.50 doz.

**LOBELIA**

**CARDINALIS.** 20c each; \$2.00 doz.

**LUPINUS—Hardy Lupines**

**POLYPHYLLUS.** 20c each; \$2.00 doz.

**LYCHNIS**

\***VISCARIA SPLENDENS.** 10c each.

**LYSIMACHIA**

**NUMMULARIA—Money-Wort.** Valuable for planting under trees or shrubs where grass will not grow. This trailing plant is very useful for hanging baskets. 25c each; \$2.50 doz.

**MONARDA—Bergamot**

**DIDYMA, CAMBRIDGE SCARLET.** The sweetly fragrant flowers are produced on foliage 18 inches high from June to September. 20c each; Hybrid mixed 10c each.

**NEPETA**

\***MUSSINI.** A compact grower forming tufts of small violet blue flowers during July and August, an excellent plant for rock gardens. 10c each.

**PACHYSANDRA**

**TERMINALIS.** An evergreen trailing plant with thick glossy foliage forming a dense mat; 6 to 8 inches high; small flower spikes of a grayish white in May and June. One of the best ground covers for either sunny or shaded location. 10c each. Let us quote large quantities.

**PENSTEMON—Beard Tongue**

**BARBATUS TORREYI.** Spikes of brilliant scarlet flowers; 3 feet; June to August. Very useful either for border or rockery. 25c each; \$2.50 doz.

**PHYSALIS—Chinese Lantern Plant**

**FRANCHETI.** 20c each; \$2.00 doz.

**PHYSOSTEGIA—False Dragonhead**

**VIRGINICA.** 10c each.

**PLATYCODON—Chinese Bellflower**

**MARIESII.** 20c each; \$2.00 doz.

**PHLOX**

These beautiful hardy border plants are among the most effective flowers in the garden during late summer and fall. Great improvements have been made during the past few years, both as to color and size of bloom.

We have tried to confine our list to the very best of the numerous varieties offered.

**ANTONIN MERCIÉ.** Clear lilac with white eye, extra large. 25c each; \$2.50 doz.

**BEACON.** Brilliant cherry red, large flower heads carried on long stems. 25c each; \$2.50 doz.

**BRIDESMAID.** Pure white with large crimson carmine eye. 25c each; \$2.50 doz.

**COMMANDER.** Beautiful, new, crimson red with darker eye. The most striking of Phloxes. 35c each; \$3.50 doz.

**ELIZABETH CAMPBELL.** Beautiful, light salmon with a pink center. 35c each; \$3.50 doz.

**MRS. MILLY VAN HOBOKEN.** Bright orange pink. 35c each; \$3.50 doz.

**MISS LINGARD.** Pearly white flowers with delicate pink eye. 35c each; \$3.50 doz.

**RIJNSTROOM.** The large bright rose pink blooms form magnificent trusses. 25c each; \$2.50 doz.

**PHLOX SUBULATA—Moss Pinks**

Evergreen moss like foliage which during the flowering season in April and May is hidden under the masses of bloom. An excellent plant for border, rockery or as a ground cover.

\***AMOENA.** Very showy pink flowers. 10c each.

\***ALBA.** Pure White. 25c each; \$2.50 doz.

\***FAIRY.** Pale blue with dark purple eye. Slow growing, neat in habit with compact foliage. 10c each.

\***ROSEA.** Rose-Pink. Blooms profusely. 10c each.

\***VIVID.** Bright pink with fiery red eye. A new introduction. 45c each; \$4.50 doz.

**PLUMBAGO—Leadwort**

\***LARPENTAE.** It is of dwarf spreading habit, covered with deep blue flowers during summer and fall. 6 to 8 inches high. 20c each; \$2.00 doz.

**POPPIES**

\***NUDICAULE.** The graceful foliage is surmounted with a mass of stems 12 inches high which terminate in a beautiful cup-shaped flower. Blooms continuously the entire summer. Separate colors, white, yellow and orange. 25c each; \$2.50 doz.

**POPPIES—Orientale**

**GOLIATH.** Flowers rich scarlet, the largest flowered of this class. 30c each; \$3.00 doz.

**MRS. PERRY.** A soft shade of salmon rose, a favorite where ever grown. 30c each; \$3.00 doz.

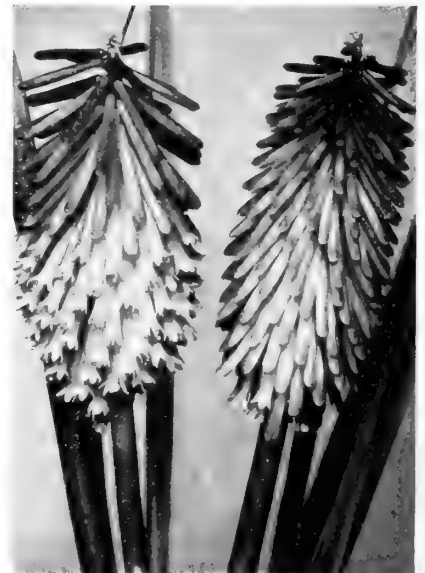
**ORIENTALIS.** Large glistening orange-scarlet flowers during June. 30c each; \$3.00 doz.



Primula



Phlox Subulata



Tritoma

**PRIMULA—Hardy Primrose**

\***VERIS—English Cowslip.** One of the first early spring flowers, varying from a clear yellow to shades of maroon. They delight in a semi-shaded location. 25c each; \$2.50 doz.

**PYRETHRUM**

**ROSEUM MIXED.** 20c each; \$2.00 doz.

**RUDBECKIA**

**GOLDEN GLOW.** A well known popular plant attaining a height of 5 to 6 feet, produces masses of double golden yellow Cactus Dahlia like flowers from July to October, fine for cutting. 20c each; \$2.00 doz.

**SCABIOSA—Pin Cushion**

**CAUCASICA.** 20c each; \$2.00 doz.

**SEDUM—Stoncrop**

\***ALPINATUM.** They are very hardy, drought resisting. Pretty rosette-like foliage, erect, 4 inches high. 35c each; \$3.50 doz.

**SPECTABLE.** Erect growing mass of rose colored flower heads, 18 inches. 20c each; \$2.00 doz.

\***SIEBOLDI.** A charming alpine growing in miniature tufts. Glaucous foliage, each leaf rimmed with a circle of crimson. 10c each.

**SHASTA DAISY**

**ALASKA.** 10c each.

**STATICE—Sea Lavender**

**LATIFOLIA.** 10c each.

**STOKESIA—Cornflower Aster**

**CYANEA.** 10c each.

**SWEET WILLIAM**

**PRIZE MIXTURE.** The plants grow 1½ feet tall. Very showy, of many colors. 15c each; \$1.50 doz.

**THALICTRUM—Meadow Rue**

**DIPTEROCARPUM.** 25c each; \$2.50 doz.

**TRITOMA—Red Hot Poker**

**PFITZERI.** Rich orange-scarlet, blooms borne on stems 3 feet high, very attractive for mass planting or singly in border, in bloom from August to October. Must be protected in winter. 20c each; \$2.00 doz.

**VERONICA—Japanese Speedwell**

**LONGIFOLIA SUBSESSILIS.** A strong grower and undoubtedly the finest of all the Veronicas, rich blue flowers on 3 foot spikes during July and August. 10c each.

**VIOLA—Cornuta**

**JERSEY GEM.** Violet blue. 10c each.

**LUTEA SPLENDENS.** Yellow. **ROSE QUEEN.** 10c each.



**GIANT FLOWERED CANNAS**

**CITY OF PORTLAND.** 3½ ft. pink. Flowers of largest size. A glowing shade of pink. Foliage green. \$1.00 per dozen.

**INDIANA.** 6 ft. Very large flowers of a rich, golden orange color. 60c per dozen.

**KING HUMBERT.** 4 ft. Leaves are purple-brown over bronze. Crowned with immense heads of velvety orange-scarlet. 60c per dozen.

**MRS. ALFRED F. CONARD.** 4 ft. The grandest salmon-pink in existence. 60c per dozen.

**PRESIDENT.** 4 ft. The most wonderful green leaved, red flowered canna in cultivation. 75c per dozen.

**YELLOW KING HUMBERT.** 4 ft. Green leaves, golden-yellow flowers blotched red. \$1.00 per dozen.

**IRIS GERMANICA**

**ALCAZAR.** Standards, light bluish violet. Falls, deep purple, bronze veined at the throat. Its growth is robust with widely branching flower stalks, bearing large blooms of waxy texture; 4 feet tall.

**JEAN D'ARC.** A delicate sort of good size and form; white with edges partly checked and scapes heavily suffused in violet.

**KING OF IRIS.** The standards, a clear lemon color, falls, deep satiny-brown with a broad border of golden yellow.

**MOTHER OF PEARL.** Pale bluish lavender of exceptional substance and texture; 4 feet.

**PARISENSIS.** The fine blue standards harmonize well with the deeper blue falls. The flowers are large and are borne very early. The free blooming habit has made it a great favorite.

Any of the above Varieties or Mixed 10c each; \$1.00 per doz.

**JAPANESE IRIS**

Perfectly hardy and excellent for naturalizing, coming into flower about the middle of June. They continue for five or six weeks at which time they are particularly welcome.

Popular Varieties or Mixed:—\$2.25 per doz; \$15.00 per 100.

**HYACINTHUS CANDICANS**

An ornamental mid-summer flowering plant, producing from 20 to 100 large bell shaped flowers of a creamy white color on spikes two to three feet long. 10c each; \$1.00 doz.



Hardy German Iris

**HARDY OUTDOOR LILIES**

AURATUM (Gold Banded Japanese Lily)

One of the most beautiful and popular varieties in cultivation. The very fragrant large flowers are ivory-white, spotted with crimson and marked with a clear gold band through the center of each petal. Auratum may be planted in the fall or spring and grows from 3 to 5 feet tall and begins blooming in July or early August.

Mammoth bulbs, 25c each; \$2.50 per dozen.

**REGALE (Mynophyllum)**

Coming from China, this extremely hardy, and yet excellent variety for forcing has rapidly become a favorite and is predicted to soon become the most popular Easter Lily. The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. Delightfully fragrant, blooms outdoors in July; they grow 3 to 4 feet. 20c each; \$2.00 per dozen.

**SPECIOSUM RUBRUM**

Especially valuable as a cut flower, its heavy substance making it a good keeper. Flowers are white spotted with red. 25c each; \$2.50 per dozen.

**TIGRINUM FLORA PLENO (The Double Tiger Lily)**

Producing a great number of double orange-colored blooms, spotted with black, and grows from 4 to 6 feet in height. 25c each; \$2.50 per dozen.

**TIGRINUM SPLENDENS (Single)**

The most beautiful of the Tiger Lillies, orange-red spotted purple-black. Very hardy. Bears 8 to 20 blooms when well established. 25c each; \$2.50 per dozen.

**AMARYLLIS****Giant American Hybrids**

The most desirable type of Amaryllis, especially beautiful and easily managed in the amateur's window or conservatory, produces from four to six gigantic blooms of perfect form. 25c each; \$2.50 per doz.

**TUBEROUS ROOTED BEGONIAS**

Especially adapted to window or conservatory culture. We offer bulbs produced from the best seed strains, largest size 2 inches and up in diameter. Scarlet, pink, yellow. Single or double. 25c each; \$2.50 per dozen.

**EXCELSIOR PEARL TUBEROSE**

One of the most fragrant and most popular of the summer flowering bulbs. May be started early in hotbeds or pots, or planted in open ground after the first of May. Extra large size bulbs, 5c each; 50c per dozen; \$3.00 per 100.

**CALADIUM ESCULENTUM OR ELEPHANT'S EAR**

Large bulbs, 3 to 4 inches in diameter. 15c each; \$1.50 per dozen; medium sized bulbs 10c each; \$1.00 per dozen. Add postage. Special price on quantities.



Gladioli in Mass Planting

**JACOBA VAN BEYEREN.** Pure deep violet. Flowers well arranged on tall erect stem.

**LONGFELLOW.** Clear La France pink, tall spike of large wide open flowers.

**LOS ANGELES.** Shrimp pink with orange-carmine throat. Famous as a "cut and come again" variety, as it will send up numerous side spikes if properly grown.

**MARMORA.** Massive lavender-gray with purple throat.

**MINUET.** A beautiful clear light lavender. Considered the finest gladiolus in this color.

**MR. W. H. PHIPPS.** LaFrance pink, overlaid with salmon rose, lighter towards the center, lower petals faintly striped and speckled with ruby. A large flower on strong stem, many open at a time.

**MRS. FRANK PENDLETON.** Deep rose-pink, shading to pale pink in throat, large bright crimson blotches on lower petals, giving it a striking appearance; tall, vigorous grower; extra cut flower sort.

**MRS. LEON DOUGLAS.** Tremendously large flowers, many open at a time, very tall, strong stem with several side shoots. Color, begonia rose striped with flame scarlet, lower petal pale lemon, speckled ruby. The whole forming a gigantic bouquet. Considered one of the largest glads in existence.

**MRS. P. W. SISSON.** Beautiful light creamy pink.

**MRS. VAN KONYNENBURG.** Best true blue variety, grows five feet tall, stems erect, flowers well placed on stems.

**NANCY HANKS.** Rich apricot with red tongue.

**PAUL PFITZER.** Very large deep velvety red.

**PEACE.** One of the best, pure white with lilac feathering on lower petals; large flowers on long, strong stem, many open at a time; great variety for late blooming.

**PERSIA.** Deep mahogany-red, almost black.

**PRINCE OF WALES.** Light salmon-pink, very early.

**PURPLE GLORY.** Deep velvety maroon red with almost black blotches as if burned into petals. Beautifully ruffled and of remarkable color.

**SCARLET WONDER.** Pure deep scarlet. Large flowers, many open at a time on tall stiff stems.

**SOVEREIGN.** Deep indigo blue. Large rounded flowers well placed on strong stem.

**VIRGINIA.** Flaming scarlet; large, massive flowers, many open at a time, making a gorgeous display of dazzling red; good forcer.

## GLADIOLI

**Plant Manns' Gladioli Bulbs.** They are strictly 1½ inch or more in diameter, sound, true to name, and can be absolutely depended upon to produce large, beautiful well-formed blooms.

**Cultural Suggestions:** Set bulbs 4 inches deep and 6 inches apart, either in rows or massed in beds, borders or among shrubbery. Successive plantings from April to July will bloom from July until frost. They will thrive in any good garden soil, but a sunny location is best. Cultivate frequently and water freely while blooms are forming.

**AFLAME.** Orange-red of immense size.

**AVE MARIA.** Light blue with deep purple blotch.

**BELINDE.** Creamy yellow, very large.

**BETTY NUTHALL.** Beautiful salmon pink with yellow throat, florets of fine texture and placement. A tall and straight grower.

**CAPTAIN BOYNTON.** Massive lavender with maroon spot in the throat. A large show flower, tall spike, very choice. Midseason.

**CHARLES DICKENS.** Beautiful purple violet. A very good grower with large flowers on tall spikes.

**CRIMSON GLOW.** Rich glowing velvety crimson, shaded deeper in the center; tall, strong grower; flowers well placed; considered the best in its color.

**DR. F. E. BENNETT.** Peach red, overlaid with flame scarlet, throat speckled ruby and creamy white. Flowers of large size and on strong stem.

**GIANT NYMPH.** Light rose pink, with creamy yellow throat. A very large wide open flower well arranged on strong stem.

**GLORIANA.** Finest golden salmon with pure yellow throat. Many well opened flowers at a time on straight, strong and tall stems.

**GOLDEN DREAM.** Pure golden yellow. One of the leading cut-flowers.

Variety	PRICES		
	Each	Doz.	Per 100
Aflame	\$.07	\$0.70	\$4.50
Ave Maria	.08	.80	6.00
Belinde	.06	.60	4.00
Betty Nuthall	.05	.50	3.50
Captain Boynton	.04	.40	3.00
Charles Dickens	.06	.55	3.75
Crimson Glow	.04	.35	2.50
Dr. F. E. Bennett	.05	.45	3.25
Giant Nymph	.04	.40	3.00
Gloriana	.05	.45	3.25
Golden Dream	.05	.50	3.50
Jacoba Van Beyerens	.07	.70	5.00
Longfellow	.07	.70	4.50
Los Angeles	.04	.35	2.50
Marmora	.05	.50	3.50
Minuet	.06	.60	4.00
Mr. W. H. Phipps	.05	.50	3.50
Mrs. Frank Pendleton	.04	.35	2.25
Mrs. Leon Douglas	.04	.40	3.00
Mrs. P. W. Sisson	.06	.60	4.00
Mrs. Van Konynenburg	.07	.70	5.00
Nancy Hanks	.04	.40	2.50
Paul Pfitzer	.06	.60	4.00
Peace	.04	.35	2.50
Persia	.05	.50	3.50
Prince of Wales	.04	.40	3.00
Purple Glory	.05	.45	3.25
Scarlet Wonder	.06	.60	4.00
Sovereign	.06	.60	4.00
Virginia	.04	.35	2.50

## GLADIOLUS MIXTURES

**MANNS' SPECIAL VARIETY MIXTURE:**

30 Bulbs (mixed) 1 of each listed \$1.15

90 Bulbs (mixed) 3 of each listed \$3.15.

100 Bulbs, in multiples of 10, your selection at 100 rates.

**MANNS' SUPERIOR RAINBOW MIXTURE:** Made up of varieties which because of their commercial value and reliable flowering qualities are being produced in such large quantities that low prices are made possible.  
25c per doz.; \$1.85 per 100



# ROSE BUSHES

## DORMANT SEAL KRAFT ROSES

(Carried in stock during March, April and May)

The three following grades are prepared by a special wax-coating process which thoroughly seals the entire plant (roots and branches) against evaporation. This assures complete preservation of all the original vitality and makes possible the early luxuriant growth and sure blooming quality for which these Northern grown bushes are noted.

**GOLD SEAL.** 50c each; 10 for \$4.50.

**CHARLES K. DOUGLAS.** Scarlet in color and slightly fragrant. A strong grower and one of the best red roses for the garden.

**CHAS. P. KILHAM.** Large, brilliant oriental-red, flushed with orange and glowing scarlet; a very vigorous and prolific bloomer.

**DAME EDITH HELEN.** A free flowering sweetly scented rose of clear pink color and very shapely buds.

**E. G. HILL.** Bright scarlet shading to a deeper red; high centered, very vigorous and free flowering.

**ETOILE DE HOLLANDE.** Brilliant red flowers of large size, very fragrant, vigorous and healthy grower.

**GOLDEN EMBLEM.** A most beautifully clear yellow, wonderfully well shaped buds on long stems.

**JOANNA HILL.** Long, rich apricot blooms with a suggestion of bronze. Strong grower, beautiful foliage.

**LADY ASHTOWN.** Extremely beautiful flowers of pale carmine-pink, shading to golden yellow at base of petals. Blooms are large, globular and well formed.

**LADY MARGARET STEWART.** A lovely new rose which has won praise from those who have grown it; of pleasing golden yellow color.

**MEVR. G. A. VAN ROSSEM.** Golden salmon and light orange. Free flowering.

**MISS ROWENA THOM.** Blending of brilliant pink mauve and old gold. A vigorous upright grower and a profuse bloomer.

**MISS WILMOT.** New everblooming pure white, superior to the older white varieties in form and habit of growth.

**MRS. E. P. THOM.** Long slender buds, opening into perfectly shaped blooms of lemon-yellow, sweetly scented.

**MRS. HENRY MORSE.** One of the best light pink varieties; high centered flowers of two contrasting tones of pink. Free flowering, and very fragrant.

**MRS. LOVELL SWISHER.** Good bloomer. Gorgeous salmon-pink and gold flowers, flesh pink at edges.

**PADRE.** A coppery yellow rose of exquisite beauty.

**PRESIDENT HOOVER.** A splendid color combination of maroon, orange and gold. Long pointed buds, rigid stems.

**REV. F. PAGE ROBERTS.** A golden yellow shaded red rose of large size and very fragrant.

**RICHARD E. WEST.** New everblooming light yellow, buds well shaped.

**ROSELANDIA.** Beautiful new variety of a rich golden yellow color.

**TALISMAN.** A rose noted for its exceptional color. Scarlet orange with rich yellow shadings; strong grower with rich glossy foliage and very free flowering.

**LOS ANGELES.** One of the finest roses grown; color, luminous flame pink toned with coral and shaded with translucent gold at base of petals; flowers very large and a vigorous grower.

**VILLE DE PARIS.** Pure yellow, somewhat similar to Radiance, stands up well under all weather conditions. Splendid for cutting.

**McGREDYS SCARLET.** Fragrant, large, double, continuous blooming brilliant scarlet.

**SOUVENIR DE GEORGES PERNET.** Very fragrant large double orange red.

**OLYMPIAD.** Long pointed buds of velvety rich dark oriental scarlet with golden base.

**MRS. PIERRE S. DUPONT.** Reddish gold bud, opening to a deep golden yellow, vigorous, profuse bloomer.

**RED SEAL.** 40c each; 10 for \$3.75.

**DUCHESS OF WELLINGTON.** Coppery saffron.

**FRANCIS SCOTT KEY.** Vivid Crimson.

**J. J. L. MOCK.** Carmine Pink.

**K. A. VICTORIA.** Snowy White.

**RADIANCE.** Pink.

**RADIANCE.** Red.

**SOUV. DE CLAUDIS PERNET.** Yellow.

**BLUE SEAL.** 25c each; 10 for \$2.25.

**COLUMBIA.** Rose Pink.

**HADLEY.** Velvety crimson.

**LUXEMBURG.** Orange Yellow.

**MME. ED. HERRIOT.** Pernet Red.

**FRAU KRAL DRUSCHKI.** White.

**CLIMBING ROSES.** 35c each. Except as Noted.

**AMERICAN BEAUTY.** Brilliant Carmine.

**AVIATOR BLERIOT.** Yellow.

**BLAZE.** Plant Patent No. 10. The new hardy everblooming scarlet climber, vigorous and free flowering. \$1.50 each.

**DR. VAN FLEET.** Pale Pink.

**NEW DAWN.** New ever blooming large flower, fragrant pink climber. The flowers are produced on long stems, early summer until frost. \$1.50.

**PAULS SCARLET.** Intense Scarlet.

**SILVER MOON.** White, semi-double, very large with yellow stamens.

## POTTED ROSE BUSHES

These roses are ready to bloom when planted out in May, and will give maximum results. They were freshly dug last Fall and potted at once, preserving all their vitality. During the Winter they have been developing in cold frames to be planted, pot and all, in the field during March. Their growth has been natural and they should not be confused with bushes which have been forced for cut flowers all Winter.

75c each—\$8.75 per dozen (except as noted).

Chas. K. Douglas  
Dame Edith Helen  
Duchess of Wellington  
E. G. Hill  
Etoile de Hollande  
Mrs. E. P. Thom  
President Hoover  
Pink Radiance  
Talisman

Francis Scott Key  
Kaiserin Augusta Victoria  
Los Angeles  
Mevr. G. A. van Rossem  
Miss Rowena Thom  
Mrs. Henry Morse  
Red Radiance  
Rev. F. Page Roberts  
Ville de Paris

**BETTY UPRICHARD.** Salmon-pink.

**BRIARCLIFF.** Silvery rose-pink.

**EDITOR McFARLAND.** Pink, amber glow.

**FEU JOSEPH LOOYMANS.** Apricot and bronze.

**GOLDEN DAWN.** Yellow flushed old rose.

**MARGARET McGREDY.** Brilliant red, gold base.

**MAX KRAUSE.** Best outdoor golden yellow, \$1.50.

**MME. BUTTERFLY.** Bright pink shaded gold.

**MME. JULES BOUCHE.** White, pink center.

**MRS. SAM McGREDY.** Scarlet-copper-orange.

**ROSLYN.** Golden yellow and orange.

**SENSATION.** Large deep maroon highly perfumed.

**ESSENCE.** Double Etoile de Hollande. \$1.00.

## U. S. PLANT PATENTED NOVELTIES (Potted)

We recommend live, growing potted bushes of these expensive varieties. They are priced only 25 cents higher than dormant plants.

**COUNTESS VANDAL.** A sensation of the shows, because of its long pointed bud and its distinctive shading of coppery bronze, a very vigorous grower. \$1.25 each. \$12.50 per dozen.

**MARY HEART.** A striking red sport of Talisman, deep, velvety blood red with an overglow of amber. \$1.25 each.

**SOUVENIR.** A golden yellow Talisman. Prolific producer of fragrant flowers for cutting. \$1.25 each. \$12.50 per dozen.

**NIGRETTE** (U. S. Plant Patent No. 87). European novelty described as the first black rose. Blooms are bright crimson during warm weather but in the cool fall months black buds are produced, opening to an extremely dark velvety maroon. \$2.25 each. \$22.50 dozen.

**BETTER TIMES** (U. S. Plant Patent No. 23). Brilliant cerise large double blooms, delicately fragrant on long stems; profuse flowering habit, foliage leathery, dark green. \$1.75 each. \$17.50 dozen.

**AMELIA EARHART** (U. S. Plant Patent No. 63). Large yellow with blush cream overtone, extremely fragrant, vigorous free flowering habit. \$1.75 each. \$17.50 dozen.

**TOKEN** (U. S. Plant Patent No. 95). A unique single toned apricot color, free bloomer, upright growth, glossy foliage, disease resistant. \$1.75 each. \$17.50 dozen.



**AMBASSADOR**—(C). A beautiful dahlia greatly admired; strong grower, and free bloomer. Has many gorgeous colors, blending from a soft yellow center to salmon pink tips. **Roots 35c.**

**AMERICAN LEGION**—(SC). New winner of gold medals; a big artistic clear yellow. **Roots \$5.00.**

**AMERICAN TRIUMPH**—(C rated 85). Incurved petals, oriental bright clear red. **Roots 50c.**

**AZTEC GLORY**—(ID). Deep massive artistically formed blooms of clear yellow; foliage distinctively glossy. **Roots 75c.**

**DWIGHT W. MORROW**—(ID rated 86). Spectacular gigantic rich red dahlia, admired by all. **Roots \$2.00.**

**EAGLE ROCK FANTASY**—(ID rated 87). Huge mallow pink or violet rose flowers with silver shading. A very desirable recent introduction. **Roots \$2.00.**

**EDNA FERBER**—(SC). The leading attraction of 1927. Color a glistening coral, shading to old gold at the base of petals, which are curled and twisted, making a very full flower of extreme beauty and poise. Foliage dark green and thick, medium to tall habit of growth. **Roots 50c.**

**ELITE GLORY**—(FD). This wonderful dahlia was introduced in 1926. Monstrous flower of a brilliant rich red, without any apparent purple or maroon shading. Blooms and foliage huge in size; fine keeping qualities as a cut flower. Consistent prize winner. **Roots 50c.**

**FORT MONMOUTH**—(ID rated 86). Rich claret color, very prolific garden sort and a winner at exhibitions. **Roots 60c.**

**IDA PERKINS**—(FD). One of the best white dahlias. Blooms early and continuously, good for cutting, garden or exhibition. Leathery, dark green foliage. **Roots 50c.**

**JANE COWL**—(ID). Massive blooms of bronzy buff and brilliant gold, broad twisted petals, good stem. **Roots 20c.**

**JERSEY'S BEACON**—(FD). A decided novelty of merit; chinese scarlet with a paler reverse, giving a two-toned effect. An exhibition flower of vigorous growth; excellent stem. **Roots 20c.**

**JERSEY'S BEAUTY**—(FD). This wonderful dahlia was introduced by W. H. Waite in 1923, and is numbered as one of the favorite varieties. Most delicate cut flower on good stiff stem, of an erosine pink; a wonderful keeper; plant of erect habit and growth. **Roots 20c.**

**KATHLEEN NORRIS**—(ID rated 87). The finest true rose pink yet introduced. **Roots 75c.**

**KEMP'S VIOLET WONDER**—(ID rated 85). Violet color with undertone of Royal Purple lightening to a faint bluish violet at the tips of the petals. **Roots 50c.**

**MONMOUTH CHAMPION**—(FD). Brilliant orange flame color, immense size. Popular prize winner. **Roots 75c.**

**MARMION**—(ID). One of the finest exhibition varieties with very large full flowers of splendid form. Color pure golden yellow with bronze suffusion on reverse of petals, having a deeper bronze tone in the center, good bloomer. **Roots 50c.**

## DAHLIAS

### Exhibition, Garden and Cut Flower Varieties

Dahlias do well in almost any kind of soil, but thrive best in a medium loam. The tubers should be planted in a horizontal position, with the sprout up and about four inches below the surface; they should be set three or four feet apart each way, in deeply spaded soil. Mulch with peat moss and allow only one shoot to stand. A good plant food applied just as the buds start to form will increase the size and improve the color of the blooms. If large exhibition blossoms are desired, it is absolutely necessary to disbud. After the frost has killed the flowers, the roots should be removed from the ground, allowed to dry for two or three days, and then stored away in peat moss in a cool, dry, dark place, where frost will not reach them.

**KEY.** C—Cactus. SC—Semi Cactus. ID—Informal Decorative. FD—Formal Decorative.

**MRS. I. De Ver WARNER**—(FD). Vigorous grower on splendid stems; true to type; fine form, orchid lavender. **Roots 25c.**

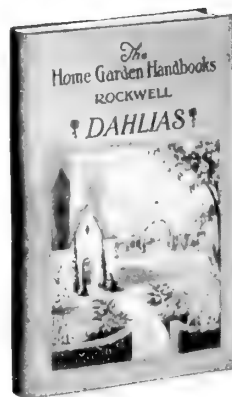
**OMAR KHAYYAM**—(FD). One of the best exhibition varieties but equally valuable for garden and cut flower display. Color a rich Chinese red at the base of the petals shading to bright orange and tipped lighter. **Roots 75c.**

**RUDY VALLEE**—(SC rated 88). Chrome yellow centers, gradually shading to orange and reddish apricot. Large vigorous grower, one of the finest. **Roots \$1.50.**

**TREASURE ISLAND**—(FD rated 88). Bright orange yellow with rose and gold shading. One of the autumn shade varieties. **Roots 35c.**

### PLEASE NOTE

We can also offer many of the older varieties, once leaders and still very beautiful. **Roots 25c to 50c.**



**DAHLIAS**, by F. F. Rockwell. Learn to know the different types of dahlias and their uses in your garden, how to plant and grow them, what fertilizers to use, how to control pests, how to harvest and store the tubers, grow for exhibition, and how to propagate and hybridize. Brief and practical. 65 illustrations, 80 pages. **\$1.00.**

### DAHLIA SEED

Very satisfactory results are obtained from seed planted early indoors and transplanted permanently in May or June. With proper care the plants will bloom the same year. (See page 12.)

## PEONIES

**BARONESS SCHROEDER.** Rose type fading to milk white. Immense globular flowers of perfect form, sweet scented of great lasting substance. Late midseason. **35c each.**

**COURONNE D'OR.** Immense, very full imbricated flat flowers. Semi-rose type; pure white with a ring of yellow stamens around a tuft of center petals tipped carmine. Late. **25c each.**

**EDULIS SUPERBA.** The color is a clear mauve-pink with a beautiful silvery sheen cast over it. Crown type, very early. **35c each.**

**FELIX CROUSSE.** Rose type, midseason, Rich dazzling ruby red. The flowers are large, globular with great substance. Blooms very profusely. **50c each.**

**FESTIVA MAXIMA.** A magnificent strong growing variety, of the rose type, coming in bloom early and remaining in good condition for a long time. Pure white with clear carmine spot on edge of center petal. The finest white in existence. **25c each.**

**MONS. JULES ELIE.** Very large flower of ideal glossy lilac-pink, shading to a deeper rose at the base. The entire flower overlaid with a sheen of silver. Bomb type, early midseason. **60c each.**

**SARAH BERNHARDT.** Semi-rose type, midseason. Apple Blossom pink with each petal silver tipped, giving the appearance of a distinct border. Very strong growing and free blooming. Substance heavy and lasting and as flowers are borne on strong erect stems they are unequalled for cutting. **50c each.**

# HARDY SHRUBS

25c each, except where noted. (No plants mailed or shipped.)

## ALMOND

**Pink Flowering.** Double rose-colored flowers in great profusion early in the spring.

## ALTHEA

**(Rose of Sharon).** A very useful shrub, with large, single or double flowers that appear in great profusion in late summer, a time when flowering shrubs are scarce.

## CALYCANTHUS FLORIDUS

**(Sweet Shrub).** Chocolate colored, double flowers, pineapple-scented, fine and glossy foliage. Blooms in June.

## DEUTZIA

**GRACILIS:** (Slender Deutzia). A small shrub with slender, often arching branches, covered with clouds of pure white flowers in graceful nodding racemes. Good for edging borders.

## FORSYTHIA

**FORTUNEI:** (Golden Bell). One of the very earliest shrubs to bloom and unsurpassed in splendor and brilliancy by other spring flowering varieties. The tall, arching branches are covered with golden yellow blooms in April. Good as single specimens or as a hedge.

## HYDRANGEA

**PANICULATA GRANDIFLORA.** The flowers, borne in dense pyramidal panicles, are white when they first open but gradually change to rose color, and remain in good condition for weeks.

## JAPANESE QUINCE

Covered in early spring with cherry-red flowers. One of the best shrubs of an attractive appearance.

## LILAC

**PURPLE:** (Syringa Vulgaris). **WHITE:** (Syringa Alba.)

## PHILADELPHUS

**VIRGINALE:** (Mock Orange). Flowers are snowy-white, large, crested, fragrant, and come in great quantities. Blooms throughout the season.

## SPIREA

**ANTHONY WATERER.** A perpetual bloomer of dwarf habit, flowering profusely when small. Flowers of a lovely dark crimson-red, borne in dense clusters, and have a peculiar feathery appearance.

**VAN HOUTTEI.** One of the most beautiful spring-blooming shrubs. The arching branches bend to the ground under the immense number of blossoms, making a complete fountain of small white flowers. Beautiful ornament for the lawn at any season.

## VIBURNUM

**PLICATUM:** (Japanese Snowball). A desirable variety bearing an abundance of ball-shaped white flowers, in May. One of the most popular hardy shrubs, having highly ornamental foliage, with purple autumn coloring.

**PRIDE OF ROCHESTER.** Vigorous flowers, borne in large panicles, are pinkish white, with under-side of petals, rose. June.

## WEIGELIA

**ROSEA.** A strong symmetrical grower. An attractive shrub with spreading branches covered with beautiful dark green foliage and a wealth of trumpet-shaped, slightly fragrant, rose-colored flowers. June.

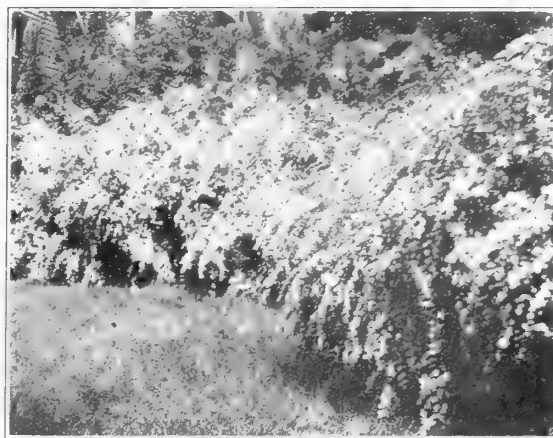
# HEDGE PLANTS

## BARBERRY

**THUNBERGI.** Popular for mixing in the shrubbery border, as single specimens, or for planting in clumps on the lawn, as well as for foundation plantings and for hedges. 15 to 18 in. selected 35c doz.; transplanted 65c doz., 18 to 24 in. \$1.00 doz.

**NEW TRUEHEDGE COLUMNBERRY** (U. S. Plant Patent No. 110). Erect compact variety of Japanese Barberry far superior to the common type in foliage, color and habit of growth. Somewhat resembles boxwood; requires practically no trimming, extremely hardy and immune from rust. Plant 8 to 12 in. apart. 9 to 12 in. 40c each; \$3.00 per 10; \$25.00 per 100; 15 to 18 in. 60c each; \$5.00 per 10; \$45.00 per 100.

**CALIFORNINA PRIVET.** 12 to 18 in. \$2.75 per 100; 18 to 24 in. \$3.25 per 100. Gold Seal Brand 50c dozen.



Spirea—Van Houttei

# ORNAMENTAL AND FLOWERING TREES

## PINK FLOWERING DOGWOOD

**CORNUS FLORIDA RUBRA.** Beautiful rose pink flowering tree making a lovely contrast with the more common white variety. 12 to 18 in. 50c each, 18 to 24 in. \$1.25; also well branched specimens, B. & B. 3 to 4 ft. \$2.25; 5 to 6 ft. \$4.50; 6 to 7 ft. \$6.75.

## CREPE MYRTLE

Lovely summer flowering shrub. Needs winter protection if to be grown into tree form, but so beautiful it is well worth the effort. It is in strong demand for specimen plantings. Strong bushy plants 2 ft. \$1.50 each.

**JAPANESE FLOWERING CHERRIES.** Double (30 ft.). Kofugen, pink; Kwanzan, deep pink; Mt. Fuji, pure white; Naden pink 4 to 5 ft. \$3.00 each; collection, 4 varieties \$10.00.

**BECHTEL'S FLOWERING CRAB.** Double pink (12 ft. to 16 ft.). 4 to 5 ft. \$1.50 each.

**MAGNOLIA TRIPETALA** (30 ft.). 2 to 3 ft. \$1.35; Glanca, Sweet Bay (20 ft.) 5 to 6 ft. B. & B. \$6.00.

# EVERGREENS

AMERICAN ARBORVITAE—2½ to 3 feet.....	\$1.50
ARBORVITAE ELEGANTISSIMA—2 to 2½ feet.....	1.50
GLOBE ARBORVITAE—18 to 24 inches.....	1.50
PYRAMIDAL ARBORVITAE—2½ to 3 feet.....	1.50
BIOTA AUREA—24 to 30 inches.....	2.50
IRISH JUNIPER—2½ to 3 feet.....	1.50
JUNIPER PFITZERIANA—18 to 24 inch spread.....	2.00
JUNIPER STRICTA—12 to 15 inch spread.....	1.25
MUGHO PINE—12 to 15 inch.....	1.25
RETINOSPORA PISIFERA—2 to 2½ feet.....	1.50
RETINOSPORA PISIFERA AUREA—2 to 2½ feet.....	1.50
PLUMOSA AUREA—18 to 24 inches.....	1.50



Wigelia—Rosea



Azalea

### AZALEAS

These beautiful and popular evergreens are particularly attractive for woodland edges, or shaded spots on lawns. They thrive only in acid soil but their beauty and usefulness justifies the little extra effort of applying aluminum sulphate and humus.

**ARBORESCENS.** Broad, dense plant; flowers white, pink outside, 9 to 12 in. clumps \$1.25 each.

**AMONEA.** Late flowering rosy-crimson, 8 to 10 in. heavy, \$1.25 each.

**CALENDULACCA—(Flame Azalea).** The most showy Azalea; bears flame-red or orange-yellow flowers before the leaves appear, 9 to 15 in. clumps \$1.50 each.

**HINODEGIRI.** Beautiful brilliant red, 8 to 10 in. heavy \$1.50 each.

**MOLLIS—(Chinese Azalea).** Thrives in sunny positions, bearing masses of flowers in various shades of red, yellow and orange, 18 to 24 in. \$4.50 each.

**NUDIFLORA—(Pinxter Bloom).** Handsome, early, free flowering, deep pink species, 6 to 12 in. clumps \$1.00 each.

### HYBRID EVERGREEN AZALEAS

**CARMEN.** Carmine pink.

**CLEOPATRA.** Light lilac rose.

**FEDORA.** Deep salmon pink, extra strong grower.

**OTHELLO.** Hinodegiri, brick-red, very strong grower.

12 to 18 inch, \$2.75; 18 to 24 inch, \$5.00; 24 to 30 inch, \$7.00.



Rhododendrons

### FRUIT TREES

**APPLES.** 5 to 6 ft. 75c. each, \$5.00 per 10. Delicious, Grimes Golden, Hyslop Crab, McIntosh, Jonathon, Smoke House, Stark, Spitzenburg, Stayman's Winesap, Wealthy, York Imperial, etc.

**PEARS.** No. 1 grade, 11/16 in. and up 75c each. Bartlett, Sichel, Keiffer.

**PEACHES.** Strong 2 yr. 5 to 6 ft. 60c each. Belle of Georgia, Carman, Crawfords Early, Crawfords Late, Elberta, Heath Cling, J. H. Hale, Niagara, Oriole, Shipley Late Red, etc.

**CHERRIES.** 2 yr. old Budded No. 1, 11/16 in. and up \$1.00 each, \$8.50 per 10.

**SWEET—**Bing, Black Tartarian, Napoleon, Yellow Spanish. **SOUR—**Early Richmond, Montmorency.

**PLUMS AND DAMSONS.** 5 to 6 ft. 75c each. Abundance, Burbank, Moore's Arctic, Shrop-Shire Damson.

**APRICOTS ON PEACH.** Early Golden, 1 yr. 5 to 6 ft. 75c ea.

**QUINCE.** Orange, 5/8 in. diameter and up, \$1.25 each.

### NUT TREES

**BUTTERNUT.** 4 to 6 ft. \$1.85 each.

**CHESTNUT.** American Sweet, 4 to 6 ft. \$2.25 each.

**FILBERT.** 4 to 5 ft. \$1.25 each.

**HICKORY.** 6 to 8 ft. \$3.50 each.

**WALNUT.** Black, 5 to 6 ft. \$1.25 each.

### SHADE TREES

**MAPLE.** Silver, 8 to 10 ft., \$1.25; Norway, 8 to 10 ft., \$2.00; Schwedlers Scarlet (50 ft.-70 ft.), 8 to 10 ft., \$2.00.

**BIRCH.** White, 8 to 10 ft., \$2.25; Canoe, 6 to 8 ft., \$2.00; Weeping, 6 to 8 ft., \$3.25.

**TULIP TREE.** 6 to 8 ft., \$1.75.

**SYCAMORE.** American Planetree, 8 to 10 ft., \$2.00.

**POPLAR.** Lombardy, 6 to 8 ft., 75c; 10 for \$5.00.

**LINDEN.** Tilia Americana, 8 to 10 ft., \$2.25.

**AMERICAN ELM.** (80 ft. to 100 ft.), 8 to 10 ft., \$2.50.

### SMALL FRUITS AND BERRIES

**BLACKBERRIES.** Eldorado, Best of All, Macatawa, 10 for 75c; 100 for \$3.50.

**CURRENTS.** Cherry, Wilder, White Grape, etc. 10 for \$1.50. 100 for \$10.00.

**GOOSEBERRIES.** Downing (Green) Red Jacket, 2 yr. No. 1, 35c each; 10 for \$2.50; 100 for \$12.00.

**DEWBERRIES.** Austin, Youngberry, 10 for 65c; 100 for \$4.00.

**RASPBERRIES.** Chief-red; Cumberland-black; Lathan-red; Logan-black, 10 for 65c; 100 for \$4.00.

**STRAWBERRIES.** Big Joe, 85c per 100; Dorsett (New), \$1.50 per 100; Chesapeake, 90c per 100.

### RHODODENDRONS

**CAROLINIANUM—(Carolina Rhododendrons).** Grows 4 to 6 ft. tall, blooms profusely, very early, pale to deep pink. Recommended for exposed situations. 12 to 18 inch heavy clumps B. & B. \$2.50 each.

**CATAWBIENSE.** The most showy Rhododendron, grows 4 to 6 ft.; hardy, vigorous and free-flowering, producing a gorgeous display of lilac purple blooms in May and June. 12 to 18 inch heavy transplanted clumps B. & B. \$2.50 each.

**MAXIMUM.** The Great Laurel of the Mountain, attains a height and width of 10 ft. Flowers white to pale pink blooms in June and July. Most beautiful foliage of all Rhododendrons. Very suitable for bold mass plantings. 12 to 18 inch transplanted clumps B. & B. \$2.50 each.

### HARDY HYBRID RHODODENDRONS

These hybrids are noted for the beauty, richness and large size of their flowers, in various colors. They deserve a place in any garden and add greatly to the general appearance. The plants priced below are hardy, bushy plants, well set with flower buds, which will give immediate results.

**AMERICA.** Deep red.

**DR. H. C. DRESSULHUY.** Analine red, strong grower.

**MRS. C. S. SARGENT.** Deep pink.

**LEE'S DARK PURPLE.** Purple.

**PRESIDENT LINCOLN.** Lilac pink.

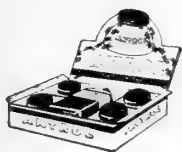
**ROSEUM ELEGANS.** Clear rose.

Two-year grafts 12 inch, \$2.00 each; 12 to 18 inch, \$4.50 each; 18 to 24 inch, \$7.00.

(Two-year grafts have only occasional flower buds.)

# DUSTING AND SPRAYING MATERIALS

## "READY FILLED" ANTROL SET



Consists of four patented glass feeders filled with regular Antrol Syrup, ready for use. Set 40c.

Individual Ready Filled Feeders, 15c each. Not Mailable.

## ANTROL DESTROYS ANTS IN THEIR NESTS

New Method "Gets" Them at Their Source—Safe, Permanent, Effective

The Antrol system is adapted to any size house or garden, composed of small glass containers and a special formula of syrup. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed!

Prices—Antrol sets containing 4 containers and 1 4-ounce bottle of syrup, 75c.; Antrol extra containers (each), 10c.; Antrol syrup, 4-ounce bottles, 35c; pints, 85c.

## ARSENATE OF LEAD

For destroying leaf-eating insects, not harmful to the foliage, greatly adhesive. Powdered arsenate of lead is more economical than other forms.



Prices—Powder, 1 lb., 25c; 4 lbs., 65c; 100 lbs., \$11.00.

## ARSENITE OF ZINC

Kills quicker than Arsenate of Lead, adhesive and less liable to burn foliage than Paris Green. Excellent for potatoes. Lb., 25c; 4 lbs., 65c; 100 lbs., \$11.50.

## BARIUM FLUOSILICATE

Highly recommended by the University of Tennessee Experimental Station. Practically non-poisonous, can be either sprayed or dusted.

For Spraying 1 pound to 50 gallons.  
For Dusting 6 pounds per acre.  
1 lb. 25c; 100-lb. drum \$20.00.

## BORDEAUX-ARSENATE OF LEAD



3 to 7 pounds to 50 gallons of water.

To kill leaf-eating insects and control fungous diseases; a double purpose spray in one application. Lb., 25c; 4 lbs., 85c; 100 lbs., \$13.50.

## BORDEAUX

(12½ Per Cent Metallic Copper)

Use 8 pounds to 50 gallons of water.

For preventing many fungus growths, blights, etc. May be either sprayed or dusted. Powder, 1 lb., 20c; 4 lbs., 65c; 100 lbs., \$10.00.



## Black Leaf 40 FRIEND of Growers and Poultry People!

40% Nicotine. The world's leading contact insecticide and poultry delouser. Always dependable. "A little goes a long way."

## Kills Aphis, Thrips, Leaf Hoppers and



other insects on garden, farm and orchard crops by contact and fumes—an advantage not possessed by non-volatile, non-poisonous spray materials.

## Also Kills Poultry Lice . . .

Merely paint tops of perches with "Black Leaf 40." Body heat from roosting birds creates fumes which penetrate feathers and kill lice and feather mites.

Oz., 35c; 5 ozs., \$1.00; 1 lb., \$2.25; 2 lbs., \$3.25; 5 lbs., \$5.85; 10 lbs., \$10.60.

## CARBOLA

Is a white paint and a powerful disinfectant combined in powder form. Just mix it with water and it's ready to be applied with spray pump or brush.

Carbola applied to the walls, ceilings, partitions, nests, etc., of your poultry houses will help to prevent contagious diseases among your flock. It will aid in keeping your fowls free from profit-destroying ravages of lice and mites. 5 lbs., 75c; 10 lbs., \$1.25; 50 lbs., \$5.00.

## CARBON DI-SULPHIDE

Specified by U. S. Dept. of Agriculture for treatment of soils to destroy grubs of the Japanese Beetle.

Also used for control of insects in grain. Lb., 35c; 5 lbs., \$1.25; 100 lbs., \$11.00. Plus deposit on Drum.

## ANSUL COLLOIDAL SULPHUR

A general fungicide and contact insecticide. Controls scale, rust leaf and black spot, mildew and brown rot on flowers, shrubs, shade and fruit trees. Kills red mites and red spider. Dilution 3 pounds to 100 gallons. ½ lb. tubes 90c each; 3 lb. bottle \$2.00.

## CORONA COPPERCARB

Grow clean wheat free from bunt or stinking smut and receive top prices for your crop. Corona Coppercarb is a dust recommended by experimental stations to be applied dry to seed wheat any time before sowing. Use 2½ to 3 ounces per bushel of wheat. 5 lbs., 75c.

## DETHOL

Household Insecticide. ½ pt. 27c; 1 pt. 47c; 1 qt. 89c. Sprayer 27c.

## CUPROCID

Cuprous Oxide frequently called Red Copper Oxide is strongly recommended by Cornell as an economical seed protectant. It prevents "damping-off", and is very effectively used on spinach where it has been found to increase yields 10% to 50% and also improve the color. Treatment of Tomato, Egg Plant, Peas and Flower seeds with Cuprocid is also highly recommended. For small seed use 2½ lbs. per 100 lbs. of seed; large seeds ¼ to ½ lb. per 100 lbs. Prices: 1 lb 80c; 5 lbs. \$3.50; 20 lbs. \$12.00.

## CYANO GAS



A—To kill ants, rats, moles, fleas, bed bugs, moths, bats, grape mealy bugs, melon Aphis. ½-lb. tin, 45c; 1 lb., 75c; 5 lbs., \$3.00.

G—For greenhouse, bulb, grain, soil, household, warehouse fumigations. 5 lbs., \$3.00; 25 lbs., \$10.00.

## DAWG-GONE

Protect that evergreen. Keep dogs away. Remove cap and hang in lower branches of trees at points of approach. 35c tube, 3 for \$1.00.

## 20-20-60 DUST

Arsenate—Copper—Lime  
\$7.00 per 100 lbs.

DOW'S MAGNESIUM ARSENATE  
Magnesium Arsenate (pure) 2-lb. pkg., 60c; 100-lb. drum, \$22.00.  
Magnesium Arsenate Dust Mixture, 4-lb. pkg., 60c; 100-lb. drum, \$12.00.



## SEED DISINFECTANTS



These effective seed disinfectants are sold by the Bayer-Semesan Company, a consolidation of E. I. du Pont de Nemours & Company, Inc., and The Bayer Company, Inc. They comprise the following products:

SEMESAN—For vegetable and flower seeds. 2 oz., 50c; lb., \$2.50; 5 lbs., \$11.75.

SEMESAN, JR.—For corn. 4 oz., 50c; 1 lb., \$1.50; 5 lbs., \$7.00.

SEMESAN BEL—For potatoes. 4 oz., 50c; 1 lb., \$1.75; 5 lbs., \$8.00.

CERESAN—For grains. 1 lb. 75c; 5 lbs., \$3.00.

NEW CERESAN—For wheat. Lb., 75c; 5 lbs., \$3.00.



# DUSTING AND SPRAYING MATERIALS (Continued)

## NEW EVER GREEN SPRAY



A NEW SIMPLE WAY TO KILL GARDEN INSECTS

No complicated instructions. Simply buy New Ever Green Spray, mix with water—and spray. This perfected pyrethrum spray kills both chewing and sucking insects. Harmless to man, plants and animals.

1-oz. bottles, 35c; 6-oz. bottles, \$1.00; 16-oz. bottles, \$2.00; 1-gal. bottles, \$9.50; 5-gal. bottles, \$42.50.

### FISH OIL SOAP

(Do not use with lime or arsenical sprays)

Keeps trees, plants and vines clean and healthy, effectively controlling sucking insects and many forms of scale. Price, 1 lb., 30c; 5 lbs., \$1.25; 25 lbs., \$2.50; 100 lbs., \$8.50. Liquid, qt., 50c; gal., \$1.50.

### FORMALDEHYDE

Extensively used in the preparation of potatoes for seed, as a preventative against potato scab and to destroy other germs on the seed. Will also control some forms of grain smut. For potatoes a solution of 1 pint to 15 or 20 gallons of water is made and cut pieces are soaked for 2 hours. One to two gallons of this will be sufficient for 1 bushel of seed. Pt., 45c.

### FORMALDEHYDE DUST

Is a seed and soil treating compound which controls seed borne diseases and when applied to the soil controls "damping off" and other root rots of vegetable and flower seedlings. Usually applied 1 lb. per 10 sq. ft. 1 lb., 75c; 5 lb. can, \$2.00.

### FUNGTROGEN

An effective and scientific preventive and remedy for mildew, black spot and many fungus diseases of Roses and other plants. Dilute one part to 60 parts water. ½ pt., 75c; pint, \$1.25.

### GRAPE DUST

A readily diffusible, light weight powder fungicide, very efficient in destroying mildews and preventing blights. 5 lbs., \$1.00.

### KAY-SO

A combined adhesive and spreader, making spray materials more economical and effective, inexpensive. Use 1 pound to each 100 gallons of spray. 2-lb. pkg., 35c; 10-lb. pkg., \$1.60.

### LEMON OIL

Soluble in water; will destroy Aphis, Rust, Scale, and Bugs on Palms, Ferns, Rose Bushes, etc. Highly recommended as a wash for dogs and other animals, destroying lice and relieving mange. ½ pt., 30c; 1 pt., 50c; 1 qt., 85c.

### LIME AND SULPHUR SOLUTION

The popular spray material for dormant spraying against scale and as a Summer spray against certain fungus diseases.

1 qt., 50c; 1 gal., 85c; 5 gal., \$3.00; 50 gal., 14c per gal.

### DRY LIME AND SULPHUR

Dormant Season: 12 lbs. to 50 gallons. Growing Season: 3 lbs. to 50 gallons.

Just as effective as liquid but more economical because of the absence of water. Disolves readily in cold water and complies with Government specifications. 1 lb., 30c; 12½ lbs., \$1.50; 200 lbs., \$20.00.



### NICO-FUMELIQUID

Very powerful tobacco extract. Soluble in water. Guaranteed 40 per cent nicotine.

1-lb. tin, \$2.25; 4 lbs., \$5.75; 8 lbs., \$10.00.

### NICO-FUME

This is the strongest tobacco paper on the market. Does not injure blooms and furnishes the easiest method of fumigation ever devised.

Tin box of 24 sheets, \$1.25; 144 sheets, \$4.50; 288 sheets, \$8.00.

### NICO-FUME TOBACCO POWDER

Tobacco powder impregnated with a high strength nicotine solution. Effective for fumigating in greenhouses to destroy aphis, thrips, etc. Lb., \$1.00; 5 lbs., \$3.35; 10 lbs., \$5.85.

### NICOTINE DUST

Extremely valuable for combating pea lice, aphis, etc.

100-lb. drum, \$16.00.

### OIL EMULSION

Contains 83 per cent of refined petroleum oil. Kills scale and many other over-wintering insects on trees; is safe and easier to use. A dormant spray which penetrates into all cracks and crevices, thus insuring better coverage. 50 gallon steel drum. 83%—mix 1 to 25—23c. gallon; 66 2-3%—mix 1 to 20—16½c. gallon. (Plus \$1.50 deposit on drum, returnable.)

### PARIS GREEN

A poisonous, insoluble powder similar to arsenic in its effects; used extensively against potato bugs, worms and caterpillars, etc.

¼ lb., 15c; 1 lb., 40c; 5 lbs., \$1.85.

### PURE PARA-DICHLOROBENZENE

For Peach Borer Control

Very powerful and effective remedy just coming into general use as a result of the experiments of the Department of Entomology. Should be applied September 1st to October 10th, according to latitude. Some growers prefer to make two applications, the first being in the month of June. One pound is sufficient for 10 to 30 trees, according to size. It is not advisable to treat trees under 4 years of age with Para-Dichlorobenzene, and apple trees should never be treated.

1 lb., 40c; 5 lbs., per lb., 35c; 10 lbs., per lb., 30c; 25 lbs., per lb., 22c; 100 lbs., per lb., 20c.

*Pyrox kills bugs  
—prevents blights*

ALL you have to do to keep your farm crops free from leaf-chewing insects and fungus diseases is this: Mix Pyrox with water and spray. No need to waste time and effort mixing Bordeaux and arsenicals.

We recommend Pyrox because it will not clog the smallest nozzle. It comes out a fine mist and covers the foliage completely, sticking to the leaves even through the hardest rains. Insects die. Blight is prevented. Your farm has a chance to show what it really can do for you! There is a size of Pyrox to suit every need!

### Nicotine Pyrox

If you have a garden patch, you will want a jar of the new Nicotine Pyrox—Standard Pyrox treated with Nicotine. It not only kills leaf-chewing insects, prevents blight and other diseases, as Standard Pyrox does, but it also kills sucking insects, such as aphis, thrips and leaf-hoppers. Standard Pyrox, of course, is designed for most commercial crops, but in the garden, where sucking insects do so much damage, you will want Nicotine Pyrox.



Just mix  
**Pyrox**  
with water—and spray,

1 lb.....	\$ .50
5 lb.....	1.75
10 lb.....	3.00
25 lb.....	5.00
50 lb.....	7.25
100 lb.....	12.50
300 lb.....	30.00

### NICOTINE PYROX

1 lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00.

# DUSTING AND SPRAYING MATERIALS (Continued)



## Dust with Pomo-Green

A complete dust that will control black-spot, mildew, and insects on roses and all flowers in general.

1 lb., 50c; 5 lbs., \$1.75.

With Nicotine—1 lb., 75c; 5 lbs., \$3.00.



1 oz. makes 8 gal.

Economical and efficient contact spray, non-poisonous, will not injure blossoms, foliage of fruit; positive death to all types of insects. Poison sprays only kill if eaten, while Red Arrow Pyrethrum Spray kills every insect it strikes. 1 oz., 35c; 4 oz., \$1.00; 1 pt., \$2.00; 1 qt., \$3.70; 1 gal., \$12.00.

## ROTECIDE

The Standard Rotenone Spray

The Standard Rotenone Spray is the most modern and fool-proof method of insect control. Rotecide is a complete spray, simply add water. It kills every type of insect, worm or beetle. Very good for Mexican bean beetle. Harmless to delicate plants and non-poisonous to humans, animals, and bird life. 1 oz., 35c; 8 oz., \$1.00; pt., \$1.75; quart can, \$3.00; gallon can, \$8.00.

NICO-ROTE—Nicotine Rotenone  
Quart, \$4.00; gallon, \$12.00.

## SCALECIDE

—THE COMPLETE DORMANT SPRAY—

Prices—Qt., 65c; gal., \$1.55; 5 gals., \$5.50; 10 gals., \$9.50; 15 gals., \$11.25 (plus \$2.00 deposit on drum); 30 gals., \$18.50 (plus \$2.50 deposit on drum); 50 gals., \$26.00 (plus \$3.00 deposit on drum). (Freight to factory to be deducted from refund.)

## SLUG SHOT

(Hammond's.) Guaranteed to destroy potato bugs, cabbage worms, lice, fleas, beetles, striped bugs, etc., on currants, egg plants, melons, turnips, beets, etc.; canker worms and caterpillars on fruit and ornamental trees.

1-lb. sifter, 25c; 5-lb. pkg., 75c; 30 lbs., \$10.50.

## SNAROL

A ready prepared bait meal that means sure death for cut-worms, snails, slugs, sowbugs, and other garden pests. Harmless to vegetation, safest to use, not affected by rain or sprinkling. 1½ lb. pkg., 35c; 4 lb. pkg. 85c. Not Mailable.



## STRAWBERRY DUST

85-15 Mixture successfully used for many years. 1 lb., 15c; 10 lbs., \$1.00; 25 lbs., \$2.25; 100 lbs., \$6.50.

## SULPHUR

Commercial Flour of Sulphur. 1 lb., 6c; 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$2.70.

Superfine Dusting Sulphur. 1 lb., 10c; 10 lbs., 70c; 25 lbs., \$1.25; 100 lbs., \$3.60.

## SULFOCIDE

A Better Summer Spray

Sulfocide is a highly concentrated non-poisonous liquid sulfur fungicide—entirely distinct from lime-sulphur.

Prices—Pt., 50c; qt., 85c; gal., \$2.25; 5 gals., \$7.50; 10 gals., \$13.50; 30 gals., \$33.00; 50 gals., \$50.00.

## TAROCIDE

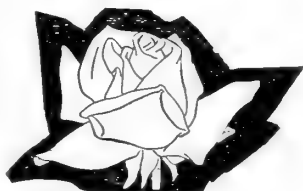
A very dependable dormant spray for trees, kills the eggs of aphid, red mite, pear psylla, scale insects, etc. Mix 1 to 20. 54 gallon drum, 30c gallon; 28 gallon drum, 32c gallon. (Plus \$1.50 deposit on drum, returnable.)

## TOBACCO DUST

Excellent insecticide and fertilizer combined, extensively used against black and green aphid, fleas, beetles, etc. Finely powdered and high in nicotine content.

1 lb., 10c; 10 lbs., 50c; 100 lbs., \$3.00; ton, \$50.00.

TOBACCO STEMS—Valuable as fertilizer and humus—10 lbs., 25c; 100 lbs., \$1.50; ton, \$20.00.



## TRI-GEN

The all-purpose spray

A highly concentrated insect spray and fungicide for garden and greenhouse plants. Stimulates plant growth and is harmless to foliage or blooms. Small kit (makes 16 quarts), \$1.50; medium kit (makes 64 quarts), \$4.00.

## TREE TANGLEFOOT

Applied directly to the bark of trees, protecting them from climbing insect pests. Easily applied and will remain sticky for three months fully exposed to the weather.

1-lb. can, 50c; 5-lb. can, \$2.25; 10-lb. can, \$4.25.

## WILSONS O. K. PLANT SPRAY

### WHY BUGS LEAVE HOME



For aphid, thrip, mealy bugs, scale, rose bugs, and other insects. ½ pt., 40c; qt., \$1.00; gal., \$3.00.

## VOLCK

For Safe and Sane Control of Nursery, Garden, and Greenhouse Insects



VOLCK is one of the most powerful insecticides known. Even mildews and rusts are prevented and stopped by VOLCK. Not only does VOLCK give effective control of pests, but it also prevents reinfestation for a considerable period; is odorless, colorless and non-poisonous.

Volck Does Not Burn the most tender foliage. Coleus, cyclamen, evergreens, ferns, orchids and many other types of plants can be sprayed with safety.

Prices—½-pint cans, 35c; 1-quart cans, 75c; 1-gallon cans, \$2.00; 5-gallon cans, \$6.25.

## FAIRMOUNT

The Original Weed Killer



The Standard since 1892. Positively destroys any kind of weed and vegetation wherever applied. One gallon Fairmount Weed Killer makes 50 gallons of treating liquid, sufficient to effectively cover 100 to 150 square yards. Just

the thing for driveways, tennis courts, baseball diamonds and walks where weeds are not wanted. Will not injure or discolor marble, gravel or stone—but makes them clean and bright. Fairmount Weed Killer acts by destroying seeds, germs and roots of plants.

Qt., 70c; ½-gal. can, \$1.00; 1-gal. can, \$1.75; 5-gal. can, \$7.25; 30-gal. drum, \$33.00.

THE "MISTY" SINGLE ACTION



A low-cost sprayer, made of heavy tin for general purposes; holds one quart.

- Misty ..... \$ .45
- Acme, 1/2 pt. .... .20
- No. 222 Vapor..... .30

GLASS JAR SPRAYER

Holds one quart; has long, powerful pump; two discharge tubes, which send the spray over a wide area. Price, 75c.

NEW ERA No. 23C



Designed to handle liquids not easily applied with ordinary sprayers. Siphon tube and brass ball check valve removable for cleaning. A steady spray of great volume can be maintained with very little effort. 1 gallon capacity.

All Brass—Cheaper when long life is considered .....\$2.10



- NO 26 A — ALL TIN
- B — TIN PUMP, BRASS RESERVOIR
- C — ALL BRASS

This continuous atomizer will spray insecticides in a continuous fog of great volume. Unequaled for small garden and house plant sprays.

- No. 26BG—Brass Pump, glass container .....\$1.15
- ACE SENIOR, 1 Quart..... .70

No. 26-D—Heavy brass pump and copper tank. \$1.65.

CONTINUOUS

- No. 432—1 Quart Capacity..... \$ .75
- No. 435NS—3 Quart Capacity..... 1.50
- No. 26F—2 Quart Capacity..... 1.25

COG-GEAR BARREL SPRAY PUMP



The construction is such that the entire pump sets inside the barrel containing the liquid, being bolted fast at its upper end to the head of the barrel.

Has bronze ball valves and brass seats. The air chamber is 32 inches in length, enabling the pump to throw a uniform, constant and elastic spray.

It has good leverage, is very powerful and easily operated. Complete with 15 feet of 1/2-inch, 5-ply hose, Vermorel or Bordeaux nozzle and agitators. Price, No. R305B, \$15.00. No. R318B (illustrated), \$16.00. No. R308B, \$25.50.

SPRAYERS

PERFECTION



This is the most powerful machine in its class. The barrel is 7 1/2 inches in diameter and 20 inches high. The pump is 1 1/4 seamless brass tubing. The valves are metal and work automatically from 8 to 15 minutes, and may be recharged in 12 seconds. Galvanized Steel, \$6.25; Brass, \$9.60.

HUDSON JUNIOR SPRAYER

Capacity about 2 1/2 gallons. Shipping weight 8 pounds. No. 140G, Junior with galvanized tank, \$4.95. No. 140B, Junior with brass tank, \$7.15.

HUDSON ECONOMY SPRAYER

The Economy sprayer meets the demand for large capacity at a minimum cost. (No. 125.) Capacity 3 1/2 gallons. With galvanized tank. \$5.00.

HUDSON THRIFTY SPRAYER

Capacity about 2 1/2 gallons. No. 120G, galvanized, \$3.90.

HUDSON STERLING SPRAYER

A high grade sprayer at a very moderate price. Four gallon capacity tank. 115G galvanized, \$4.60; 115B copper, \$6.75.

HUDSON DU-MORE SPRAYER

A continuous high pressure sprayer adapted for all truck and field crops. Capacity 4 gallons. No. 147G, galvanized tank, \$12.95.

LITTLE GIANT AND PEERLESS BUCKET SPRAY PUMPS



Made entirely of brass, malleable footrest, provided with large air chamber and throws a continuous spray. Price, with 4 ft. 1/2-inch hose and two nozzles, \$3.75.

PERFECT LEVER BUCKET SPRAY PUMP

The air chamber is 50 per cent larger than the Little Giant Sprayer. Price, complete with agitator, hose and nozzle, \$6.00. 8-foot extension pipe, 75c.

AUTO SPRAY No. 9



Tank of heavy, best quality sheet brass or strong copper bearing galvanized sheet steel. Air Pump of one-piece seamless brass with new all-metal brass ball check valve. Capacity 3 1/2 gallons.

Copper, \$9.90; Galvanized, \$6.65.

AUTO SPRAY No. 50

Capacity 2 1/2 gallons. Brass, \$8.30; Galvanized, \$5.60.

BROWN'S CHALLENGER SPRAYER

An economical compressed air sprayer of 3 1/2 gallons capacity. Made of heavy copper bearing galvanized steel sheet with brass screw locking cap. \$4.00.

BROWNS BLUE RIBBON JR.

An excellent small capacity compressed air sprayer. Tank made of copper bearing galvanized steel, capacity 2 gallons, equipped with strong strap, spray hose, all metal automatic shut off, seamless brass extension and screen non clog nozzle. \$4.20.

JUNIOR No. 5 BUCKET SPRAYER

Does away entirely with the objectionable foot-rest, clamps, leather suction, packing, etc.

This Pump requires no fastening of any kind, holds itself down and works anywhere and everywhere.

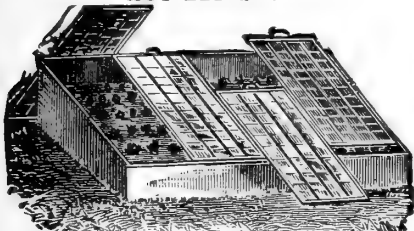
Will pump from a pail, barrel, tank, spring or creek. Weighs only 4 pounds and is ready for instant use everywhere.

Price, \$4.15.

JAPANESE BEETLE TRAPS

Nesco Brand. Fit any pint jar, attractive green color. Price each with Bait, 35c.

**HOT BED SASH**



Finest quality; white pine lumber, free from knots; substantially made, grooved for glass to lap or for putty (unglazed). \$1.75 each; 10, \$16.50.

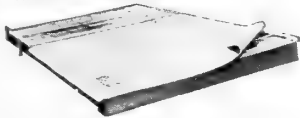
**HOT BED GLASS**

1 box of glass will glaze 3 sash, 8x10 and 10x12. \$2.25 per box.

**HOT BED MATS**

**Burlap.** Made of strong burlap interlined with wool.  
Size, 40x76 inches, each.....\$1.50  
Size, 76x76 inches, each..... 2.60

**MILO WATERPROOF HOT BED MATS**



Made from heavy weight burlap, absorbent pulp and felt cemented together with a specially prepared waterproof compound. This combination forms a covering both airtight and waterproof. Easy to handle. Wear for years. Milo mats are made in sizes 40x78 inches and 78x80 inches, also in continuous lengths. 40x78 inch, \$1.50 each; 78x80 inch, \$3.00 each.

**MARLINE**

Made from Indian Hemp and the best product in making Straw Mats. Furnished in 1 and 5-pound balls. Per pound, 25c.

**PEERLESS GLAZING POINTS**

Price, per box of 1,000, 65c. Pincers, per pair, 70c; by mail, 75c.

**PUTTY BULBS**

A very useful tool for applying liquid Putty and Mastic for glazing Sash or Greenhouses. Large size, \$1.15.

**MASTICA**

For glazing greenhouses, sashes, etc., new and old. It is elastic, adhesive and easily applied. It is not affected by dampness, heat or cold. Price, 1 gal., \$2.25.

**MASTICA GLAZING MACHINE**

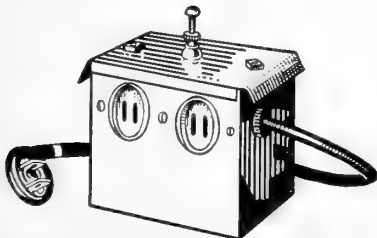
Price, \$2.25

**TWEMLOW'S OLD ENGLISH GLAZING PUTTY**

Semi-Liquid

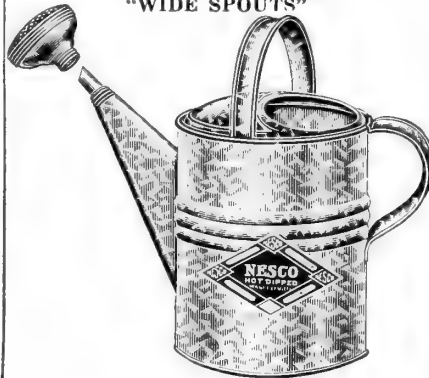
For bedding glass in sash and filling cracks or seams in roof joints or frames of greenhouses or hotbeds. 16-pound can (1 gallon capacity), \$2.35

**ELECTRIC HOT BED HEATER**



With this thermostat and 2-60 ft. heating cable, four sash, or a total surface 6 ft. by 12 ft., can be economically heated. B-47 Thermostat only. Weight 4 lbs., \$5.75 each. B-48 60 feet heater wire. Weight 7 lbs., \$4.25 each.

**GALVANIZED WATERING POTS "WIDE SPOUTS"**



Made of heavy galvanized iron, with removable Sprinkler.

4 qt. 6 qt. 8 qt. 10 qt. 12 qt. 16 qt.  
\$ .55 \$ .65 \$ .70 \$ .80 \$ .90 \$ 1.00

**HOSE NOZZLES**

Mystic Spray Nozzle.....\$ .30  
Justrite Spray Nozzle..... .45

**WOODEN LABELS**

	Painted	Plain
4 inch pot, per 1,000.....	\$1.70	\$1.40
4½ inch pot, per 1,000.....	1.90	1.45
5 inch pot, per 1,000.....	1.80	1.50
6 inch pot, per 1,000.....	2.10	1.70
12 inch pot, per 100.....	.75	
3½ inch Tree, iron wired....	1.90	1.50
3½ inch Tree, copper wired. 2.00		1.60
8 inch Garden, per 1,000....	4.85	
10 inch Garden, per 1,000....	6.00	
12 inch Garden, per 1,000....	8.50	

Prices, per 100—3½ to 6 in., 35c; 8 in., \$1.00; 10 in., \$1.25; 12 in., \$1.75.

**HARDWOOD FAN TRELLIS**

Very durable and artistically made; will not scorch the most tender plant, and is far superior to any metal trellis.

30 in. x 13 in. \$ .60	6 ft. x 38 in. \$2.10
36 in. x 16 in. .95	7 ft. x 42 in. 2.50
4 ft. x 27 in. 1.50	8 ft. x 46 in. 2.95
5 ft. x 32 in. 1.80	10 ft. x 72 in. 3.80

**FLOWER POTS**



We carry a complete line of Regular Pots, Azalea Pots, Bulb Pans and Saucers in stock and quote as follows: Saucer

Size	Each	Dozen	100	1,000	Each
2 in.	\$.02	\$.15	\$1.00	\$8.45	
2½ in.	.03	.20	1.40	11.25	
3 in.	.03	.25	1.75	14.65	
4 in.	.05	.45	2.70	22.50	\$.03
5 in.	.07	.70	4.85		.05
6 in.	.10	1.00	7.25		.06
7 in.	.15	1.50	12.00		.08
8 in.	.25	2.50	16.75		.11
9 in.	.35	3.50	24.00		.15
10 in.	.45	4.50	32.00		.18
11 in.	.65	6.50	50.00		.22
12 in.	.75	7.50	64.00		.25

**NEPONSET FLOWER POTS**

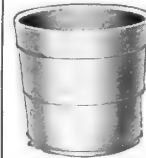
Made of waterproof paper, extensively used for starting seeds and seedlings in frames and hot houses.

	Doz.	100	1,000
2¼ in....	\$.08	\$.50	\$3.80
2½ in....	.10	.60	4.10
3 in....	.15	.70	5.10
3½ in....	.20	.85	6.60
4 in....	.25	1.10	8.00
5 in....	.30	1.50	10.50



**CEDAR PLANT TUBS**

(Richmond Style)  
Made of Selected Virginia White Cedar, bound with electric welded hoops, painted green.



No.	Inside		Price
	Top Dia.	Bot. Dia.	
5	10	7½	\$ .60
7	12	9	.90
9	14	11	1.25
11	16	12½	1.60
13	18	14½	2.25

**WATERPROOF PLANT BANDS**



The simplest way to handle plants for transplanting is to grow them in our Ready-to-Use Plant Bands, because they are ready to use and no time is lost in setting them up.

Size	Depth	Per 5,000	Per 1,000	Per 250
2x2 in.	2½ in.	\$10.80	\$2.40	\$.75
3x3 in.	3 in.	18.45	4.10	1.25

**BAMBOO PLANT STAKES**

3 ft. Light	\$.65 per 100	\$5.00 per 1,000
5 ft. Heavy	.45 per doz.	3.00 per 100
6 ft. Heavy	.55 per doz.	3.75 per 100

**PERFECTO FLOWER BOX**



The Perfecto is an ornament in good taste for any home and is constructed with this purpose in view. The finish is enamel, in either of three colors—Green, Old Ivory or Red. They measure 6 inches deep and 7 inches wide.

20 in.	26 in.	32 in.	38 in.	44 in.
\$1.00	\$1.25	\$1.50	\$2.00	\$2.50

**BEACON FLOWER BOX**

Galvanized with green enamel finish—efficient waterer and ventilator. 8½ inches wide and 6 inches deep.

24 in.	30 in.	36 in.
\$1.10	\$1.25	\$1.50

**GALVANIZED HARD STEEL WIRE PLANT STAKES**

Very durable, neat and strong, and extensively used for carnation and rose beds. No. 8 gauge.

Height	Doz.	100	1,000
3 ft.	\$.20	\$1.20	\$10.00
3½ ft.	.25	1.35	11.50
4 ft.	.30	1.50	13.00
5 ft.	.35	1.85	16.50

**DIBBLES**



Decidedly the best tool for transferring plants.

- All steel, D-handle.....\$ .80
- All steel, bent handle..... .60
- Wood bent handle, steel point..... .65
- Steel points for same..... .35

**HOLE-IN-ONE TOOLS**



Makes a 3-inch hole in one operation, cuts into and removes soil leaving a perfectly flat bottomed hole. 5 inch D handle, 50c. 32 inch handle with adjustable foot rest and depth regulator, \$4.00.

**HAND GARDEN FORKS**

- No. 2. 11 inches long, hardwood handle, 3 tines, Japanned. Price, 40c.
- No. 3. 10 inches long, hardwood handle, 4 tines, Japanned. Price, 30c.

**ASPARAGUS KNIFE**



Made of solid steel; see the cutting point. Price, 35c.

ASPARAGUS BUNCHEE.....\$3.50

**GARDEN TROWELS**



- Each
- 6-in. Steel Blade, Malleable Shank...\$ .15
- 6-in. Extra Strong, Hollow Back... .35
- 6-in. Solid Steel, Bronzed and Polished..... .50
- 6-in. American Solid Steel, Hollow Back, finely finished..... .50
- 5-in. Solid Steel, Forged Shank..... .60
- 6-in. Florists' favorite, solid steel forged, Shank and Blade one piece .75

**TRANSPLANTING TROWELS**

- No. 2, 5-inch blade.....\$ .20
- No. 1, 8-inch blade..... .25

**EVERLAST ALL STEEL GARDEN TOOLS**

The one piece construction and quality of steel make them practically unbreakable. Trowel, transplanting trowel, weeder, and cultivator, made of heavy steel, enameled. Each tool guaranteed. Set of 4 pieces, 75c.

**THERMOMETERS**

- 8-inch, Tin Japanned.....\$ .50
- 10-inch, Hardwood Cabinet..... .60
- 12-inch, Tin, Japanned, Hot-Water Reg..... 1.00
- Mushroom Bed and Hot Bed, Brass Point..... 2.00

**AMERICAN EDGING KNIVES**  
All Steel. Price, \$1.00.

**PRUNING SAW**



- 18-inch.....\$1.25
- 20-inch..... 1.35

**NORCROSS CULTIVATOR**



The Norcross is an adjustable garden cultivator of 5 blades. A very handy garden tool. By removing the center tooth you can straddle the rows. The teeth can be made to set close or wide apart. Can be detached from handle and attached to any wheel hoe.

Price, \$1.00.

**MIDGET NORCROSS**

- 3-prong, short handle.....Price, 50c
- 3-prong, long handle.....Price, 80c

**MAGIC WEEDER**



A perfect and efficient tool, made of best tempered steel and furnished with 6 and 18-inch handle. Price, 15c and 20c.

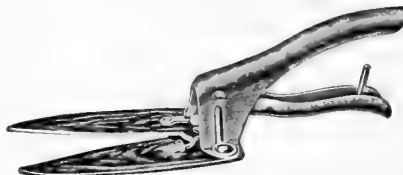
**GRAFTING WAX**

Trowbridge Brand.  
Price, 1/4 lb., 15c; lb., 50c.

**FRUIT PICKER**

Made of galvanized hard-steel wire, shaped so as to imitate the human hand. Without pole. Price, 50c.

**DOO KLIPS**



These tools are very handy because of the vertical movement of the handles.

- Grass Shear (Standard).....\$1.50
- Grass Shear (Long Handle)..... 2.50
- Pruner..... 1.25
- Snip-Itt (illustrated)..... 1.00

**"U.S." MOLDED GARDEN HOSE**



**RAINBOW BRAND**—Double braid, finest quality; 5/8 inch. 10c ft.; 50 ft. lengths with couplings, \$4.50 each.

**COMPETITION BRAND**—Single braid, 5/8 inch. 25 ft. lengths, \$1.75 each.

**NEPTUNE BRAND**—5/8 inch corrugated, 50 ft. length with couplings, \$3.75

**LOPPING SHEARS**



- No. 6 Forged blade and ferrule.....\$1.40
- No. 4 Handy Andy (9-in. handles).. 1.45
- No. 3 American Draw Cut (22-in. handles)..... 2.40

**"LITTLE WONDER" HEDGE TRIMMER**



**New Model N, Electric**  
Makes cut 36 inches wide. ONE MAN Machine. Will easily trim 300 to 500 lineal feet per hour. Cuts costs to a minimum. Saves untold hard labor. Write for descriptive circular.



	Prices	Hand Driven	Elec- tric
30-in.	\$25.00	\$103.00	
40-in.	27.50	106.50	
60-in.	35.00	114.00	
25-in.	....	65.00	

**TREE PRUNER**

- 8 ft.....\$2.00
- 10 ft..... 2.20
- 12 ft..... 2.40

**LITTLE GIANT PRUNING HOOKS**

Without pole, \$2.00 each

**HANGING BASKETS**

- Enameled green
- 10 in..... 20c
- 12 in..... 25c



**HINGED HANGING BRACKETS**  
For same 15c each

**HEDGE SHEARS**



American Disston	English
6 in.....\$1.35	6 in.....\$3.00
8 in..... 1.75	8 in..... 3.25
9 in..... 1.90	9 in..... 3.50
10 in..... 2.00	10 in..... 4.00
12 in..... 2.50	12 in..... 5.25

**THE RODERICK MOLE TRAP**



Self-setting by pressing down on lever. Very convenient feature, found on no other trap. Made from best spring steel, thoroughly galvanized. Simple and durable in its construction.

Price, 85c.

**OUT-O'-SIGHT MOLE TRAP**

This, while possessing all the good qualities of other traps, is especially adapted for setting under glass in hot beds. Price, \$1.25.

**PRUNING SHEARS**



- Each
- No. V R 10 Tempered steel blades, green enamel handles, coil spring, 8 in.....\$ .50
- No. V 179 Tempered blades, polished; black handles; 9 in..... .85
- No. V 139 Half polished, adjustable lock nut, renewable blade, 9 in.. 1.25
- No. F 544 Nickel plated German Shear, best steel; 6 in..... 1.35
- No. F 1547 Two pieced forged, adjustable lock nut, half polished, 9 in..... 1.90





# National Eezy Wear Garden Gloves



Here's a new and increasingly popular type of glove—for men and women—specially designed for garden wear. Just the thing you've been looking for.

**All-Leather SOFT AS KID**     **DIRT-PROOF Easy to Wear**

Sizes: Small, Medium, Large for Women; Medium and Large for Men, 75c. pr.; 2 prs. \$1.40 postpaid.

### MANURE FORKS (Meadow Monarch)



12½-inch tines, 4½ foot handle, strap ferrule, 4 tines, \$1.45; 5 tines, \$1.60; 6 tines, \$1.75. Malleable D-Handles same prices as above.

### HAY FORKS (Meadow Monarch)

Three 12-inch tines, 6-foot straight handle, Strap Ferrule. Price, \$1.75.

### SPADING FORKS



**Farm King**—Heavy, five 11-inch tines, D-Handle, Strap Ferrule. Price, \$2.50.

**Jumbo**—Four 11-inch tines, D-Handle, Strap Ferrule. Price, \$2.20.

**Boys' Spading Forks**—Four 8-inch tines, D-Handle, Plain Ferrule. Price, 95c.

### ENSILAGE FORKS (Continental)

Ten 16-inch Oval tines, 2½-foot D-Handle, Strap Ferrule. Price, \$3.45.

### POTATO HOOKS (Continental)

Round Steel Tines, 4½-foot Handles.

Four 7-inch tines ..... Price, \$1.20

Five 7-inch tines ..... Price, 1.55

Six 7-inch tines ..... Price, 1.65

### GARDEN HOES



**Meadow Monarch**—Solid Socket Pattern (no rivets), 6 to 7½-inch Blades, 4-foot Handle. Price, \$1.20.

**Ladies' Hoe, Meadow Monarch**—5-inch Blade, 4-foot Handle. Price, 95c.

### WARREN HOES

**Continental**—Heart Shaped, large size 7½-inch. Price, \$1.50

### WEEDING HOES

**Acme**—(Pressed Steel), Double Prong, 4½-inch Blade, 4 1/3 foot handle. Price, \$1.20.

**Forged Steel, Double Prong, 3½-inch Blade, 4 1/3 foot handle, 8¼ inch head. Price, \$1.20.**



### FLORAL SETS

Consisting of Shovel, Hoe and Rake. Price per set, \$2.10.

### STEEL GARDEN RAKES



**Meadow Monarch**—Round Bow Curved Teeth, 5½-foot Handle. Price, 12 teeth, \$1.10; 14 teeth, \$1.20; 16 teeth, \$1.30.

**Meadow Monarch**—Level Head Curved Teeth, 5½-foot Handle. Price, 12 teeth, 90c; 14 teeth, 95c; 16 teeth, \$1.10.

### BROOM RAKES

**Continental**—22 14-inch Flat Teeth, 4-foot Handle, Flexible Spring Steel. Price, \$1.00.

### WIRE LAWN RAKES

**Meadow Monarch**—24 2-inch Teeth, 5-foot Handle, No. 9 Steel Wire. Price, \$1.00.

### WOOD LAWN RAKE

3 Wire Brace, 24 teeth, 70c; 1 Wire Brace, 20 teeth, 55c.

**WOOD HAY RAKE. 2 Wire, 10 teeth, 45c.**

### TURF EDGERS

Socket Pattern, 9-inch 1/3 Polished Blade, Green Finish, 4-foot Handle. Price, \$1.25.

### SPEEDY CULTIVATORS



Four 4-inch Sharp Curved Tines, Blue Finish, Plain Ferrules; 4 1/3-foot Handle. Price, \$1.10.

	SCYTHES	Price
	Best American Grass	\$1.50
	Bush or Brier Scythes	1.50
	English T. Waldron	2.50
	Little Giant Dutchman	1.85
	<b>IMPORTED GERMAN SNATH</b>	<b>\$2.25 Each.</b>
	<b>SNATH or SCYTHE HANDLES</b>	
	Patented Fasteners	Price, 1.50
	Bush Snath, heavy	Price, 1.50

### GRASS AND BRUSH HOOKS

	Price
American Grass Hook, V B 3.	\$.45
American, No. K-1.	.35
German Grass Hook.	.50



### BRUSH HOOKS

For shrubbery and underbrush. Tempered Steel, No. 10 (with handle) ..... Price, \$1.35

### LIGHTNING HAY KNIFE

Crucible Steel ..... Price, \$1.75

### CHAMPION POTATO SCOOP

Heavy wire potato and vegetable scoop, D Handle ..... \$2.00



### SHOVELS

Round or Square Point. Long or D-Handles.	
No. 2	\$.125
No. 4	1.50
No. 3	\$1.50
No. 6	1.60

### SPADES

Favorite, solid back D Handle, \$1.35.

Nursery, extra heavy D-Handle, full strap. Price, \$4.25.



### POST-HOLE DIGGERS

Baldwin Brand ..... Price, \$1.75

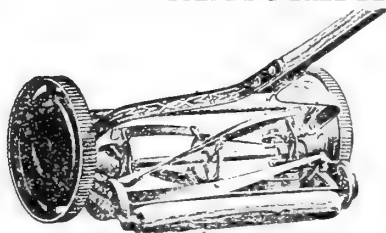
### EARTH AUGER

Bores holes 8 to 14 inches in diameter, 3½ feet deep... \$6.00  
Bores holes 8 to 16 inches in diameter, 3½ feet deep... 6

# QUALITY LAWN MOWERS

All reliable, successful brands on which repairs are always easily obtained.

## STERLING BALL BEARING

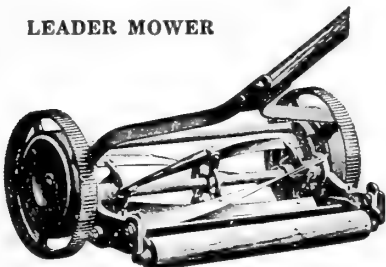


Light running; practical design.  
4 blades; 8 in. wheels  
14 in. ....\$4.75

## TERRACE SPECIAL AND PLAIN STERLING

3 blades; 8 in. wheels  
12 in. ....\$4.10  
14 in. .... 4.35  
16 in. .... 4.60

## LEADER MOWER



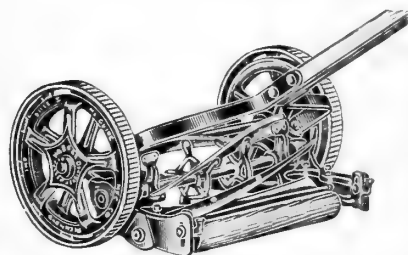
Ball Bearing, 4 blades. Very light running. Wheels 9 inches high; reel 6 inches in diameter; all latest improvements; noiseless action; keen cutting; self-sharpening; high speed.  
14 in. ....\$5.75  
16 in. .... 6.00  
18 in. .... 6.25

## KING HIGH GRASS MOWERS—BALL BEARING

Driving wheels 10 inches high; 6-inch ball-bearing revolving cutter; five crucible steel blades, hardened and tempered in oil.  
14-inch cut \$12.00    16-inch cut \$12.75    18-inch cut \$13.25

## HIGH SPEED—BALL BEARING MOWER

A special high grade mower, cuts the thickest grass fine and close. Patented adjustment for center of stationary knife; drive wheels 11 inches in diameter; 5 blades; 6 inch ball bearing revolving cutter; knives crucible cast steel, hardened and tempered in oil; self sharpening.  
14 inch. ....\$8.75    16 inch. ....\$9.25....18 inch ....\$9.75



## NOBRAKO

The unbreakable lawn mower made of malleable iron, commonly known as all-steel, 6 inch ball bearing, 5 blade revolving cutter; 10½ inch Hyatt roller bearing wheels. Silent in operation. 16 inch, \$12.50; 18 inch, \$13.00.

## PHILADELPHIA STYLE "B-B" MOWER

A very sturdy yet easily operated Philadelphia-made ball bearing mower, having 9-inch drive wheels, revolving cutter, and 4 crucible steel blades. 14-inch, \$8.50.  
With 10-inch diameter Open Wheels. 16-inch, \$10.50.

## REVOLVING SPRINKLER

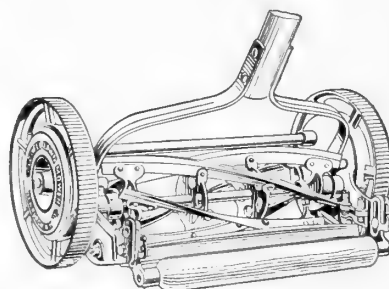


These sprinklers are compactly and strongly made with phosphor-bronze bearing.  
Eureka Sprinkler, 12 inches high, Price, \$1.85.  
Newport Sprinkler, 24 inches high, Price, \$3.25.

## FOUNTAIN SPRINKLER

Made of Heavy Brass

Easily moved over the lawn without turning off the water. The mist-like spray is a veritable "thing of beauty." Price, 75c.



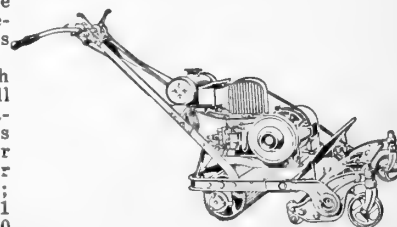
## AMBASSADOR

High grade, ball bearing, five blades, 10 inch wheel. Light and easy to handle. 14 in., \$12.00; 16 in., \$12.50; 18 in., \$13.00.

## COLDWELL CUB POWER LAWN MOWER

Made by one of the oldest and most reliable manufacturers in the country.

Five blades, 21 inch cut, ball bearing, full width drive roller, capacity 2 to 3 acres per day. Enclosed four cycle motor, water cooled; three speeds; fuel consumption 1 gallon gasoline for 10 hours cutting. Price \$195.00. Grass Box Attachment, \$10.00.



## GRASS COLLECTOR

Made of best quality duck with galvanized iron bottom, easily attached. Collectors, No. 1 for 12-14-16 inch, 90c; No. 2 for 18 inch, 1.00.

## LAWN ROLLERS

These rollers represent all the latest and up-to-date improvements; they are fitted with hardened steel roller bearings, which reduces the draft by 40 per cent; the counter-balance attached on the outside of the drum induces the handle to stand in an upright position. The outer edges of the drum are well rounded to prevent cutting.

No. 605 has plain bearings and no scraper.



## WATER BALLAST LAWN ROLLER

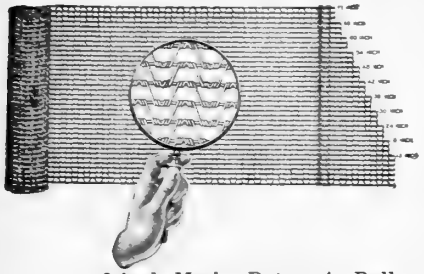
No. 601—14x24, Empty 70 lbs.; Filled 175 lbs.. \$17.00 List\*  
No. 602—18x24, Empty 85 lbs.; Filled 265 lbs.. 20.00 List\*  
No. 603—24x24, Empty 110 lbs.; Filled 420 lbs.. 23.00 List\*  
No. 605—14x24, Empty 68 lbs.; Filled 175 lbs.. 13.50 List\*

\*Subject to 25% Discount

	Diameter		Weight Pounds	Price
	Face	Length		
Cast Drum Rollers				
No. 504—2 section	20	20	250	\$19.00
No. 507—2 section	20	24	300	24.75
No. 509—2 section	24	20	400	32.25

**UNITED STATES POULTRY NETTING**

United States Poultry Fence is strictly a "NO SAG" fence, as the combination of line and mesh wires, closely woven, prevents any lengthening or narrowing between posts. In erecting U.S. Poultry Fence the line wires permit of being stretched to a high tension, which compels the fence to remain rigid and upright without anchoring it to a baseboard or top rail.



2-inch Mesh—Put up in Rolls of 150 feet

	19 gauge	20 gauge
12-inch .....	\$1.10	\$0.95
24-inch .....	2.00	1.70
36-inch .....	2.75	2.30
48-inch .....	3.65	3.10
60-inch .....	4.60	3.85
72-inch .....	5.45	4.60

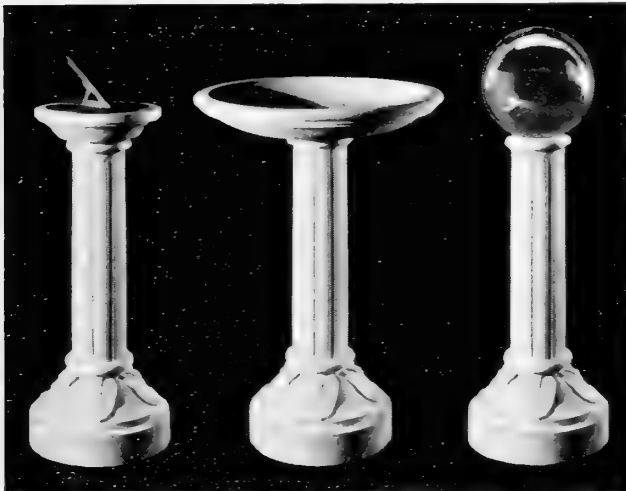
25 to 150 foot lengths, 1c per square foot.

**ONE INCH MESH (Hexagon)**

12-inch—150 sq. ft....	\$2.10	30-inch—375 sq. ft....	\$4.60
18-inch—225 sq. ft....	3.00	36-inch—450 sq. ft....	5.25
24-inch—300 sq. ft....	3.85	48-inch—600 sq. ft....	7.00

Poultry Netting Staples—Pound, 10c.

**GARDEN SET**



In high fired light stony gray Terra Cotta. Enduring beauty for the garden throughout the seasons.

No. 85—Bird Bath, 34x33 inches.....	\$18.50
No. 86—Sun Dial, 33 inches high, complete with hand-some 9½ inch bronze plate.....	20.25
No. 87—Gazing Globe, 40 inches high, complete with 10 inch guaranteed globe.....	19.25

59

58



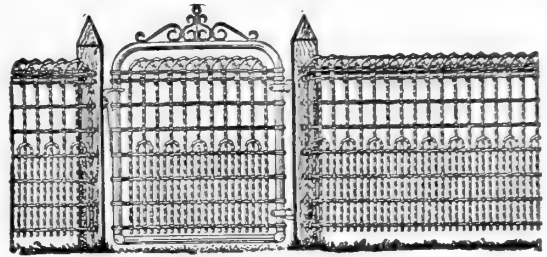
**BIRD HOUSES**

No. 57—Woodpecker or Flicker.....	\$1.25
No. 58—Wren.....	1.45
No. 59—Blue Bird.....	1.45
No. 73—Wren.....	1.25
No. 76—Wren.....	1.25

73

57

76



**ORNAMENTAL LAWN FENCE**

Very attractive and we believe the most durable wire lawn fence made. Heavy galvanized. Spaces, 1¼ inches; wire, No. 9 Crimped Pickets in No. 12½ Tw. Cables.

Price, 36-inch, per foot, 14c; per 100 feet.....	\$12.00
Price, 42-inch, per foot, 15c; per 100 feet.....	13.00
Price, 48-inch, per foot, 17c; per 100 feet.....	15.00

In Rolls of 150 feet, deduct 1c a foot.

Style 100—Per 100 ft., 36 in., \$9.00; 42 in., \$10.00; 48 in., \$11.00.

**FLOWER GUARD**

Designed for protecting Flower Beds

16-inch, per foot.....	7½c	22-inch, per foot....	8½c
------------------------	-----	-----------------------	-----

100 feet or more, 1c per foot less.

**TRELLIS WIRE**

Trellis—18-inch, 9½c ft.; 24 inch.....	10c ft.
--	---------

**ORNAMENTAL GATES**

Heavy steel frames, filled to match the fence; fittings for Jr. 1¼ in. posts included.

Height	Distance Between Posts				
	3 ft.	3½ ft.	4 ft.	8 ft.	10 ft.
36-inch .....	\$3.40	\$3.55	\$3.70	\$8.15	\$9.40
42-inch .....	3.55	3.65	3.80	8.30	9.60
48-inch .....	3.65	3.80	3.95	8.45	9.75

**American Steel Fence Posts**



**TAMP! TAMP! TAMP!**  
The Boys Are Tamping While We Have Our Work ALL DONE!

Steel Posts Need No Tamping They Pierce Firm Ground

Made by American Steel & Wire Company

	Painted	Galv.
5-foot	\$ .30	\$ .40
6-foot	.36	.48
6½-foot	.40	.53
7-foot	.42	.56
7½-foot	.45	.60
8-foot	.48	.64

Special Prices on Quantities.  
Ball Tops for Line Posts, 23c;  
Pig-Ear Latch, 75c;  
Driving Caps for Line Post, 36c.

**JUNIOR CORNER AND END POSTS**

Painted		Galvanized	
6-ft. end .....	\$1.05	6-ft. end .....	\$1.25
8-ft. end .....	1.35	8-ft. end .....	1.55
6-ft. corner .....	1.55	6-ft. corner .....	1.75
8-ft. corner .....	2.05	8-ft. corner .....	2.30

**T-BAR STEEL POSTS**

Bar Iron—Special Price on Quantities	
6½-foot .....	\$ .41
7-foot .....	.44
7½-foot .....	\$ .47
8-foot .....	.50

**CHAMPION WIRE STRETCHER**

No. 1 has hickory handle and malleable clamp; can be quickly adjusted, and is a favorite with fence builders. Price, \$1.50.

**BARBED WIRE—GALVANIZED**

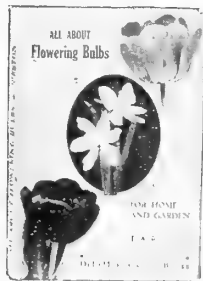
Hog—4-point, 12 gauge, 4 in. between barbs, 80 rod .....	\$3.65
Cattle—4-point, 12 gauge, 6 in. between barbs, 80 rod .....	\$3.40

**BALE TIES**

9½ feet, No. 14 gauge, bdl. 250.....	\$1.85
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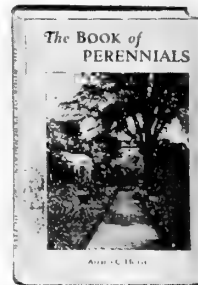
Pioneer



# GARDEN BOOKS

## 1001 Garden Questions Answered

By A. C. Hottes. For the amateur gardener who wishes some information on every phase of gardening on his own place. Discusses flowers, fruits, vegetables, pruning, planting, fertilizers, diseases, pests, propagation, soil, lawns, paths, trees, shrubs, etc. Cloth, \$2.15, postpaid.



### THE BOOK OF ANNUALS

By A. C. Hottes. Complete information on over 100 genera of annual plants, everlastings and vines. Care, culture, diseases, etc. 182 pages, 155 illustrations. Cloth, \$1.65, postpaid.

### ALL ABOUT FLOWERING BULBS

By T. A. Weston. Complete information on spring flowering, tender flowering and summer flowering bulbs and roots. 186 pages, 8 color plates and 68 halftones. Cloth, postpaid, \$2.15.

### CITY AND SUBURBAN GARDENING

By C. C. Sherlock. Especially written to give full information for the owner of a modest suburban or city home. 196 pages, 82 illustrations. Cloth, \$2.15, postpaid.

### FLOWERS OF THE WILD

By F. C. Pellett. Covers most of the common wild flowers suited for naturalization in the Northeastern States and the best of them from the West. 168 pages, 4 color plates and 104 halftones. Cloth, \$2.15, postpaid.

### GARDEN GUIDE

Each subject written by an expert in that line. Discusses all phases of gardening pertaining to the owner of a moderate-sized home. 576 pages, 300 illustrations. Cloth, \$2.50, postpaid.

### LANDSCAPING THE SMALL HOME

By E. W. Olver. Solves all landscape problems for the owner of a small place. 160 pages, 90 illustrations. Cloth, \$2.00, postpaid.

### THE BOOK OF PERENNIALS

By A. C. Hottes. Complete information on over 140 genera. Discusses care, culture, propagation, fertilizers, diseases, etc. Gives pronunciation under each genera. 280 pages, 103 illustrations, numerous tables. Cloth, \$2.00, postpaid.

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By A. Thornton. For the amateur who wishes practical information on every minute point in the construction of a rock garden. 152 pages, 4 color plates, 70 illustrations. Imitation leather, \$2.15, postpaid.

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**THE GARDENER**, by L. H. Bailey. You get full advantage of Dr. Bailey's unequalled knowledge and experience in this book. It tells how to grow flowers, vegetables, and fruits from the time of planting through to maturity. Special articles on different types of gardening. Information that is easy to find and simple to use. 116 illustrations, 260 pages. **\$2.00**

**AROUND THE YEAR IN THE GARDEN**, by F. F. Rockwell. Because the time when you do your garden work is so important, you need a regular schedule. This book gives you complete information on every garden problem, outlined week by week, and written by a practical gardener. 88 illustrations, 350 pages. **\$2.50**

**THE STANDARD CYCLOPEDIA OF HORTICULTURE**, edited by L. H. Bailey. This is the one universal and invaluable authority on every horticultural question. Makes a compact but thorough presentation of the kinds, characteristics and methods of cultivation of the plants grown in the United States and Canada for ornament, for fancy, for fruit, and for vegetables. Formerly in 6 volumes, but now in three at about half the original price. 5,000 illustrations, 3,637 pages, 3 volumes, fabrikoid binding. **\$25.00**

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**GARDEN MAINTENANCE**, by Ortloff and Raymore. How to prune, fertilize, spray, and care for flowers, trees, shrubs, and lawns. This is a book written for the home owner who already has a lawn and garden space; it does not presuppose a new garden or the complete rearrangement of existing plantings. **\$2.50**

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The Outdoor Living Room, by Ramsey & Lawrence	2.50
Gladiolus, by F. F. Rockwell	1.25
Perennial Gardens, by H. S. Ortloff	1.25
Adventures In A Suburban Garden, by L. B. Wilder	3.50
Roses	1.25
The Book Of Bulbs, by Rockwell	2.00



# Books for better Gardens

**FOR SOIL IMPROVEMENT**

	Lb.	10 lbs.	25 lbs.	100 lbs.
Aluminum Sulphate	\$.10	\$.50	\$1.00	\$3.75
Asparagus Salt		.20	.40	1.15
Cotton Seed Meal		.40	.75	2.25
Epsom Salts	.10	.65	1.25	4.50
Kainit (14%)			.75	1.50
Muriate of Potash	.10	.50	1.00	3.00
Nitrate of Soda	.05	.35	.75	2.15
Sulphate of Ammonia	.10	.50	1.00	2.75
Sulphate of Potash	.10	.65	1.25	3.50
Super Phosphate (20%)	.10	.40	.65	1.25
Tankage		.50	1.00	2.75
Top Soil		.25	.50	1.00
Wood Ashes		.50	1.00	2.50

Let us quote special prices on quantities.

**GROUND TOBACCO STEMS**

A finely ground, organic fertilizer material. An ideal and readily available source of necessary elements for your lawn, flowers, truck, market garden, and green house crops, and fruit. Better than stable manure, and makes a superior compost. Adds humus. Thoroughly sterilized, therefore free of weed seeds. Supplies ORGANIC Nitrogen and ORGANIC Potash. Does not burn tender roots. Economical, easy to use, and safe for every purpose. Guaranteed 1.25% Nitrogen, 4.50% Potash. Being a "natural" fertilizer carries nearly all of the minor elements that a plant demands, particularly Magnesium for flower and leaf color. Apply at rate of 5 to 10 pounds per 100 square feet, or 1000 to 2000 pounds per acre for all truck crops, tobacco, fruit, tomatoes, potatoes, etc. 10 lbs., 25c; 25 lbs., 50c; 100-lb. bag, \$1.50; ton, \$21.00.

**PURE RAW BONE MEAL (Extra Fine)**

An excellent fertilizer, especially recommended for lawns, rose bushes, grape vines, and deep-rooted shrubbery, where it is desired to furnish the plants with a perfectly safe, slow-acting but continuous supply of nourishment. Florists and nurserymen use large quantities of our bone meal very successfully. 10 lbs., 35c; 25 lbs., 75c; 50 lbs., \$1.35; 100-lb. bag, \$2.25. Let us quote special price on quantities.

**STEAMED BONE MEAL (Bone Flour)**

100 lbs. \$2.00.

**PULVERIZED SHEEP MANURE**

The Sheep Manure we are selling proves its quality by its analysis. Maryland State inspection figures:

	Guaranteed Percentage	Found to Contain
Nitrogen	1.25	1.78
Phosphoric Acid	1.00	1.90
Potash	2.00	3.80
Total	4.25	7.48

5 lbs., 20c; 10 lbs., 35c; 25 lbs., 75c; 100-lb. bag, \$2.00; ton, \$35.00.

**COW MANURE**

SHREDDED. 5 lbs. 30c; 10 lbs. 50c; 25 lbs. 90c; 50 lbs. \$1.50; 100 lbs. \$2.50.

**LAND PLASTER**

80-lb. bag, 90c; ton, \$19.00.

**HYDRATED LIME**

Especially useful for correcting acid condition of soils in gardens and lawns. 50-lb. bag, 50c. Let us quote ton prices.

**PEAT MOSS**

Promotes Growth by Improving Texture of Soils and Regulating Supply of Moisture Investigate its Many Advantages

Granulated Peat Moss has rapidly come into general use for horticultural purposes, and large commercial growers recommend it highly as a moisture retaining humus, unsurpassed for mulching. It is excellent for clayey, light, sandy or gravelly soils, beds, hotbeds, coldframes, greenhouse benches, in potting soil and as a winter protection for lawns. Also as a mulch on strawberry, perennial beds, roses, rhododendrons, azaleas, evergreens, ferns, etc.

Baby Bale	2 1/2 Bushels	\$0.75
Garden Bale	5 Bushels	1.10
Junior Bale	10 Bushels	1.50
Large Bale	20 Bushels	2.25

Special Price on Larger Quantities

**FISH BONE POTASH FERTILIZER**

FOR BETTER PRODUCTION

Guaranteed Analysis

The Commercial Fertilizers which we offer are made by one of Baltimore's largest and most reliable manufacturers. Animal base products are consistently used, making a plant food which in its chemical action in the soil is best suited for continuous growth of the crops.

Analysis	Recommended for	Per Ton	Bag 167 lbs.
2- 9- 5	Grain Crops	\$24.80	\$2.50
4- 8- 5	Beans, Cantaloupes, Peas, etc.	28.00	2.80
3-12- 6	Corn, Main crop Tomatoes	29.30	2.95
4-8 -10	Beets, Carrots, Potatoes		
	Radishes, Turnips	30.50	3.05
5-10- 5	General truck crops	31.30	3.15
8- 5- 2	Special top dresser, Cabbage,		
	Kales, Lettuce, Spinach, etc.	32.20	3.25

**GROUND TANKAGE**

8- 9 (Total)—O	47.70	4.80
5-13 (Total)—O	36.35	3.65
Nitrate of Soda, 100-lb. bags	38.50	

**CHILEAN POTASH NITRATE**

14-13-0 100-lb. bags	48.00
----------------------	-------

Ton prices include delivery to farm. Less 10% C. O. D. If hauled from factory or factory warehouse deduct \$1.25 per ton.

**BLOOD MEAL**

10c per lb.; 3 lbs., 25c; 25 lbs., \$1.00; 100 lbs., \$3.50.

**ESSKAY QUALITY PLANTFOOD**

(Analysis: 5-9-4)

A complete organic fertilizer consisting of blood, bone-meal, tankage and potash scientifically blended for Flowers, Lawns, Vegetables, Trees and Shrubs. It builds up the soil and leaves no acid residue. 2 lbs. 20c; 10 lbs. 65c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.00.

**NITROPHOSKA**

Analysis: 15 per cent Nitrogen, 30 per cent Phosphoric Acid, 15 per cent Potash.

A wonderful fertilizer for lawns, shrubs, flowers and vegetables. Is three to five times as rich in actual plant food as the ordinary commercial fertilizers. Lb. 25c; 10 lbs. \$1.50; 25 lbs. \$2.75; 50 lbs. \$4.75.

Prices

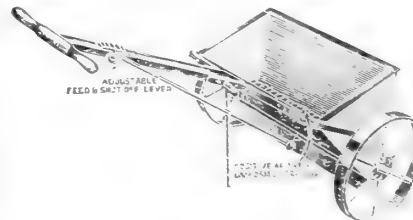
**Lōma**  
TRADE-MARK REG. U.S. PAT. OFF.

1-lb. can	\$0.15
5-lb. can	.50
10-lb. bag	.85
25-lb. bag	1.50
50-lb. bag	2.50
100-lb. bag	4.00

**SOIL-PREP**

Scientific soil conditioner and plant food. 5-lb. bag, 30c; 10-lb. bag, 50c; 25-lb. bag, \$1.00; 50-lb. bag, \$1.75; 100-lb. bag, \$2.50.

**SPREADERS**



Size at top 12x21 inches, and 10 inches deep. Capacity about 2 1/2 pecks. Weight 25 pounds. \$6.00.

E-Z — Cheap but practical — 85c ea.





Scene from the beautiful Horticultural Gardens at A Century of Progress Chicago. Vigoro was used to keep the exhibition gardens looking their best throughout the 1933 and 1934 Fair season.

*for lawn and garden beauty*  
**Give Your Plants a "SQUARE MEAL"**

**VIGORO PRICES**

100 lb. bag \$4.00 - 25 lb. bag \$1.50 - 5 lb. pkg. \$.50  
 50 lb. bag \$2.50 - 10 lb. pkg. .85 - 12 oz. pkg. .10

for:

- Lawns
- Flowers
- Shrubs
- Trees
- Gardens

**VIGORO**  
*Complete plant food*



Mr. W. E. Hartman of the National Academy of Sciences says: "I believe that **Hyper-Humus** is responsible for the general excellence of both lawn and plantings." For many years the U. S. Government has used **Hyper-Humus** in the landscaping and planting of many of its Public Buildings, Post Offices, and Parks. It meets the Government's standard for landscaping, and is approved for Government plantings in Washington and throughout the East.

**Hyper-Humus**

Humus makes rich loamy garden soil out of common dirt. Added in sufficient quantity it will give the soil the proper texture, help hold the right amount of moisture, and retain plant foods for natural plant stimulation.

- FIVE HYPER-HUMUS VALUES**
- 1 **Hyper-Humus** is literally a **workshop** for bacterial conversion. The millions of beneficial bacteria in **Hyper-Humus** gives life and fertility to your soil.
  - 2 **Hyper-Humus** is a **storage-house** of soil organics... plant food awaiting plant call.
  - 3 **Hyper-Humus** is a **reservoir** of normal moisture, assisting food conversion, and coming to the aid of your plants when they need it.
  - 4 **Hyper-Humus** is a **regulator** of temperature and air... so vital to plant life.
  - 5 **Hyper-Humus** has **perfect friability**... it is easy and pleasant to use; absolutely free from odor and from weed-seeds.

**AMOUNT TO APPLY PER SQUARE FOOT:**  
**NEW LAWNS,** 1 to 3 lbs.; **OLD LAWNS,** 1 to 2 lbs.  
**GARDENS AND FLOWER BEDS,** 2 to 4 lbs.  
 In addition to the directions for general use, the following specially prepared Bulletins are available:

- How to Build a Lawn
- The Flower Garden
- Gardening with Rocks and Flowers
- Hyper Humus... First aid to Gardening
- Hyper Humus for Roses
- The Vegetable Garden

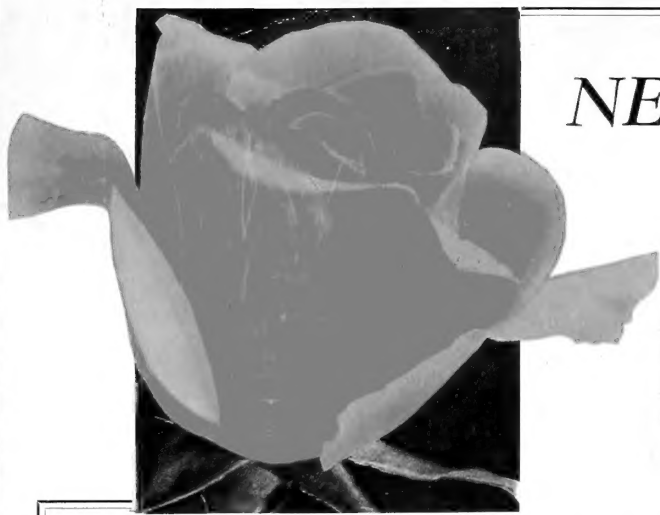
10 lbs. 35c; 25 lbs. 65c; 100 lbs. \$1.75; 500 lbs. \$7.50; 1000 lbs. \$10.00; ton \$17.50. Let us quote 5 ton and carload lots.

**NOTE:** It is suggested that you add 1 pound of an approved non-toxic plant food to every 10 pounds of **Hyper-Humus**.









# NEW ROSE CREATIONS

U. S. Plant Patented Varieties produced by expert hybridizers, fully tested and proved to be of real commercial value.

AMELIA EARHART . . \$1.50	MARY HART . . \$1.00
BETTER TIMES . . . 1.50	NIGRETTE . . . 2.00
BLAZE . . . . . 1.50	SOUVENIR . . . 1.00
COUNTESS VANDAL 1.00	TOKEN . . . . . 1.50

*For descriptions of these and other popular varieties, see page 21*

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© 1932 BLAZE. Hardy Everblooming Climber

*Hyper-Humus greatly multiplies the pleasure of growing Roses*

## J. MANNS & CO.

ESTABLISHED 1887

FORREST AND HILLEN STREETS

(At Belair Market)

BALTIMORE, MD.



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