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San Francisco
1933

Hallawell Seed Company

STORE: 256-258 MARKET STREET, SAN FRANCISCO, CALIFORNIA

Warehouse: 30 Davis Street
Store Phone SUTter 8981

Nursery: Quintara St. and 23d Ave., Sunset District
Nursery Phone MOntrose 7043

GENERAL DIRECTIONS TO CUSTOMERS

Remittances should be in the form of money order or bank draft—never in currency, as there is the hazard of loss.

We pay postage on flower seeds anywhere in the United States or possessions; also on vegetable and grass seeds priced at 50c per pound or more. Special prices will be quoted on larger quantities than listed, which will not include free transportation. Nursery Stock, bulbs, fertilizers, insecticides, and supplies are not prepaid except as specifically stated.

Please give the names of express and freight offices where they differ from the postoffice.

IMPORTANT

Useful planting information will be found on pages 35 to 37 inclusive, and spraying information on pages 90 and 91. A complete index is on page 96 and the inside back cover. Practically every requisite for the modern garden is to be found in the pages of this conveniently arranged Garden Book.

PRICES

All prices in this catalog cancel previous quotations and are subject to change in the event of unforeseen circumstances. If your requirements are for larger quantities than listed, please give us the opportunity of quoting.

HOW TO RAISE FLOWERS SUCCESSFULLY FROM SEED

Tender, or Greenhouse, means the plant will not stand the least frost. All such must be planted out late in spring (May) or in a greenhouse.

Half Hardy means the plant will stand any light frost, but needs protection against very cold weather. These should be planted out in the spring (March and April), not in the fall.

Hardy means the plant will stand considerable frost, or practically all we have on the Pacific Coast. These may be planted in the fall or in the spring (September to May). If sown in the fall they will come into bloom earlier than if sown in spring, even if the plants do not make much progress during the cold weather.

Annuals are plants that bloom the first year from seed, and the plant dies after one season. Tender annuals must be sown in spring (February to June), and most hardy annuals may be sown either in fall or spring (September to May).

Biennials are plants that bloom the second year from seed, and the plant dies after the second year. In California some of these will bloom the first year if sown early. Sow under the same conditions as perennials.

Perennials are plants that bloom the second year from seed, and the plant lives and blooms during successive years. If sown in early spring (February and March), many perennials will bloom the first year from seed. Perennials are best sown in the summer and early fall (May to September) for next year's flowers.

NON-WARRANTY—While the greatest care is exercised to have all seeds and plants of good quality and true-to-name, the Hallawell Seed Company gives no warranty, express or implied, as to the description, purity, productiveness, or any other matter of any seeds, bulbs, or plants they send out, and will be in no way responsible for the crop.

PARCEL POST RATES (Approximate) from San Francisco

Zone	Distance	1st Pound	Each Additional
1st	Within 50 Miles	\$0.08	1c
2nd	50-150 "	.08	1c
3rd	150-300 "	.09	2c
4th	300-600 "	.10	4c
5th	600-1000 "	.11	6c
6th	1000-1400 "	.12	7c
7th	1400-1800 "	.14	9c
8th	Over 1800 "	.15	11c

(The 8th zone includes U. S. Possessions)

FOREIGN PARCEL POST

For the convenience of customers in other countries, we pay regular postage on flower seeds, and on vegetable and grass seeds priced at \$1.00 per pound or more; but extra transit charges if any are to be included in the customer's remittance. For "not prepaid" items please include postage at the prevailing rate, or add 25 per cent to the value of the articles involved and an accounting will be given of the amount due or to be refunded as the case may be.

Customers residing in countries requiring Horticultural Certificates or Consular Invoices, please include 50c for such documents on orders amounting to less than \$5.00.



LAWN GRASSES

To Make a Lawn—Spade deeply, adding commercial fertilizer, sheep manure or other organic fertilizers which contain no weed seeds. Rake to the desired grade and water thoroughly to settle the soil evenly. If this preparation is made two weeks in advance of sowing, the surface weed seeds will have germinated and may be removed. Now rake for the final grade and broadcast the seed at the rate of one pound to 150 square feet, except where other quantities are suggested in the grass seed listings.

To prevent surface drying and crusting cover the seed with about $\frac{1}{4}$ inch of moistened Imported Peat. Sprinkle carefully, using a fine spray to prevent washing. Water thoroughly, but avoid applying too much in one place to form puddles, which may float the seed and mulch into low spots. Sprinkle daily until seed is germinated, and when the grass has grown about one or two inches, pull all weeds and mow. To maintain a deep velvety green turf apply a good commercial fertilizer three or four times a year.

For steep banks or slopes, burlap is sometimes used instead of mulch. It keeps the surface moist and prevents washing. Remove the burlap as soon as the seed germinates.

All of our grass seeds are the best grade. Please write for prices on larger quantities and quotations will be made promptly on the basis of the current market. Prices of grass seed fluctuate and quotations below are not guaranteed.

WE PAY POSTAGE anywhere within U. S. on items of grass seeds priced at 50c per pound or more. On other items refer to parcel post chart on inside front cover.

SEASIDE BENT (Coos County Bent)—A true creeping bent which roots at each joint where it contacts the soil, producing a thick, smooth, and enduring turf. Once established, the growth is upright, of fine texture, and a beautiful rich green. Seaside Bent succeeds for golf course and lawn under varied soil and climatic conditions. Sow one pound to 500 square feet. Certified seed. **Lb., \$1.50; 5 lbs., \$6.75; 10 lbs., \$12.50.**

ASTORIA BENT—Spreads from underground rootstalks, and produces a splendid rich green turf of upright growth and fine texture. Sow one pound to 500 square feet. Certified seed. **Lb., \$1.75; 5 lbs., \$8.00; 10 lbs., \$15.00.**

CHEWING'S FESCUE—Produces a dense, lasting turf, succeeding well even under adverse conditions. It is used extensively in lawn and putting green mixtures. **Lb., 85c; 5 lbs., \$4.15; 10 lbs., \$8.00.**

HALLAWELL'S EVERGREEN LAWN MIXTURE—A blend of several deep green, fine bladed grasses, producing a good thick turf and remaining green both winter and summer. It thrives in heavy or black soils. **Lb., 70c; 5 lbs., \$3.25; 10 lbs., \$6.00.**

KENTUCKY BLUE GRASS—The most popular grass for lawns. It is a dark green and of dense growing habit, making a beautiful turf in a heavy or black soil.

Hallawell's Select Grade—Specially re-cleaned. **Lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00.**

Standard Grade—Thoroughly re-cleaned seed. **Lb., 50c; 5 lbs., \$2.35; 10 lbs., \$4.50.**

PACIFIC RYE GRASS (Pacey's Rye Grass, Imported)—This grass is similar to the Australian Rye Grass, but has a finer leaf and is longer lived. Use one pound to 100 square feet. **Lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75.**

PARK LAWN MIXTURE (formerly sold under the name of Golden Gate Lawn Mixture)—A blend of hardy, fine-bladed grasses to which is added a small amount of White Clover. It provides an excellent turf which will withstand hard usage. Sow one pound to 100 square feet. **Lb., 50c; 5 lbs., \$2.35; 10 lbs., \$4.50.**

RED TOP GRASS—Gives a quick effect and succeeds on all soils, though doing best on moist soils. Should be in all lawn mixtures. **Lb., 50c; 5 lbs., \$2.35; 10 lbs., \$4.50.**

ROUGH STALKED MEADOW GRASS (*Poa trivialis*)—An ideal perennial shade grass which is closely related to Kentucky Blue Grass, but somewhat finer and softer. It has an apple-green color and is a creeper. Requires plenty of moisture. **Lb., 85c; 5 lbs., \$4.15; 10 lbs., \$8.00.**

SHADY NOOK MIXTURE—A blend of suitable lawn grasses which thrive in the shade and under trees. **Lb., 85c; 5 lbs., \$4.00; 10 lbs., \$7.50.**

WHITE CLOVER—Of dwarf habit with creeping stems, rooting at joints, on which account it makes an excellent turf that withstands abuse. Planted for a lawn either alone or in mixture with grass seed. Sow one pound to 300 square feet. **Lb., 75c; 5 lbs., \$3.65; 10 lbs., \$7.00.**

SPECIALTIES

Including Novelties, recent outstanding introductions, and other items of particular merit.

NEW ASTERS

ENCHANTRESS (Crego Giant Wilt Resistant)—An entirely new color in Asters; a luscious shade of lively salmon-rose. Large, fluffy flowers produced on well branched plants. Pkt., 25c; $\frac{1}{8}$ oz., 75c.

CATTLEYA (Crego Giant Wilt Resistant)—Large flowers of a fascinating shade of rich orchid. Pkt., 25c; $\frac{1}{8}$ oz., 75c.

CARNATION ENFANT DE NICE

The finest and most satisfactory annual Carnation. The flowers are $2\frac{1}{2}$ to 3 inches in diameter and the stems long and stiff. The separate colors (listed on page 9) come approximately 75 per cent true, and about 90 per cent of the plants produce double flowers. Mixture. Pkt., 25c; $\frac{1}{8}$ oz., 75c.

CENTAUREA JUBILEE GEM

A dwarf form of Centaurea Cyanus or Bachelor Button. The plants are about 12 inches in height, have bright green foliage, and are literally covered with double flowers of the same rich blue so greatly admired in the taller variety. Pkt., 20c; $\frac{1}{8}$ oz., 60c.

CINERARIA

California Super Giants

The huge flowers measure from 3 to 5 inches across and are borne in immense rounded trusses above the dark green foliage. The colors range from pastel salmons, azure blue and snowy white, to the deepest blood red and violet blues. Plants are compact in habit; 15 to 18 inches in height. Mixture. Pkt., 50c; Large Pkt., \$1.25.

COSMOS GIANT SENSATION

This recent introduction has proven highly successful and popular. The flowers are 4 to 5 inches in diameter. The plants grow to a height of about 4 feet and flower freely as early as 10 weeks from the time of sowing. The group has been enlarged this season to include two new separate colors as well as the mixture. Pinkie (rose pink), and Purity (white). Each: Pkt., 25c; $\frac{1}{4}$ oz., 85c.

MIXTURE—Shades of pink, and white. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

CUPHEA FIREFLY

Small and delicately formed flowers, fiery cerise-red in color, produced in profusion through the summer months on compact plants about 10 inches in height. Tender annual flowering within 14 weeks from seed. Should be a fine subject for borders, edging, or the rockery, as well as for window boxes or potting. Pkt., 35c.

DELPHINIUM

Pacific Strain

A fine new strain introduced by a California hybridist. Individual florets are 2 inches or more across, and are well placed on long, tapering spikes. Stems are slender and woody, and stand well with a minimum of staking. **GIANT BLUE SHADES**—Producing 80% of blue tones. Pkt., \$1.00. **GIANT WHITE**—Clear, glistening white florets. Pkt., \$1.25.

DELPHINIUM WREXHAM

HOLLYHOCK STRAIN

A magnificent race of Delphinium, producing spire-like spikes of bloom with many new and beautiful shades, ranging from pale blue to deep indigo-blue and royal purple, with many intermediate pastel tones of mauve, pink, and lavender shadings. Very large flowers in both the single and double forms. A splendid strain for exhibition purposes. Pkt., 35c; $\frac{1}{8}$ oz., 85c.

(Wrexham separate shades and other Delphiniums listed on page 13)



Aster, Enchantress



Cineraria, California Super Giants



Cosmos, Giant Sensation

SPECIALTIES

DIASCIA BARBERAE

A very attractive little plant, blooming freely in summer. The flowers have two short spurs and are a beautiful salmon-pink. It is a fine rock plant and also makes a good pot plant for indoor use; hardy perennial. Sow the seed in boxes to transplant; will bloom the first year if sown early. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

GILIA FAIRY STARS

A dainty little annual forming a dense cushion covered with single, star-like flowers in pastel shades. Fine for dwarf beds and edgings. Is also known as *Leptosiphon* French Hybrids. Pkt., 15c; $\frac{1}{4}$ oz., 35c.

GODETIA KELVEDON GLORY

The color of this new single Godetia is deep glowing salmon-orange, of unusual intensity and vividness. Plants are free flowering and of robust constitution. This variety, like Duke of York and Sybil Sherwood, is excellent for cutting, as the satiny flowers which are borne in clusters at the end of the stems, last exceptionally well. Pkt., 25c; $\frac{1}{8}$ oz., 75c.

LARKSPUR WHITE KING

A fine addition to the Giant Imperial group of Larkspurs. The large florets are fully double, and have broad, rounded petals; while the color is pure glistening white. The plants are base branching and come into flower early, making the variety of particular value for cut flower purposes. Pkt., 15c; $\frac{1}{4}$ oz., 40c.

NEW MARIGOLDS SUNSET GIANTS

The largest of all marigolds, the flowers averaging 5 inches in diameter with some as large as 7 inches across. Loosely formed, full centered flowers with broad petals, produced on plants 3 to 4 feet high; each plant with 6 to 8 branches bearing 3 or more large flowers. The color assortment ranges from deep orange, to golden orange, golden yellow, lemon yellow and primrose. The plants come into bloom in July or earlier in most sections, and may be depended upon to flower well before frost in any latitude. Pkt., 25c; $\frac{1}{4}$ oz., 85c.

CHRYSANTHEMUM FLOWERED

Consisting of many new and distinct types varying in size of bloom from 2 to 4 inches in diameter, and in shades of orange and yellow. Some have petals which are quilled and incurved, while others have from 4 to 5 rows of imbricated flat petals with quilled florets in the center. The plants are about 3 feet high, supporting masses of flowers on fine stems for cutting. Hybrid Mixture. Pkt., 20c; $\frac{1}{8}$ oz., 75c.

Separate Colors

Two new color varieties of the general type of the above are being introduced for this season. They differ in the respect that they are of the true incurved type, and do not have drooping guard petals. Both come practically 100% true to color, type, and doubleness. ORANGE and YELLOW. Each: Pkt., 25c; $\frac{1}{8}$ oz., 70c.

NIEREMBERGIA HIPPOMANICA

There is no plant of its type to compare with this lovely half hardy perennial of recent introduction. The lavender blue, cup-shaped flowers are heightened by a touch of yellow in the center, and are borne so freely as to nearly cover the plants over an exceptionally long season. Plants have light gray-green foliage, reach a height of 4 to 6 inches with a spread of 8 to 10 inches, and will bloom the same season from early spring sowings. Possibilities for its use are quite varied, as it is equally effective for walls and stone steps, for edgings and borders, and is lovely as a window box or pot plant. Pkt., 35c.

PANSY FIRE BEACON

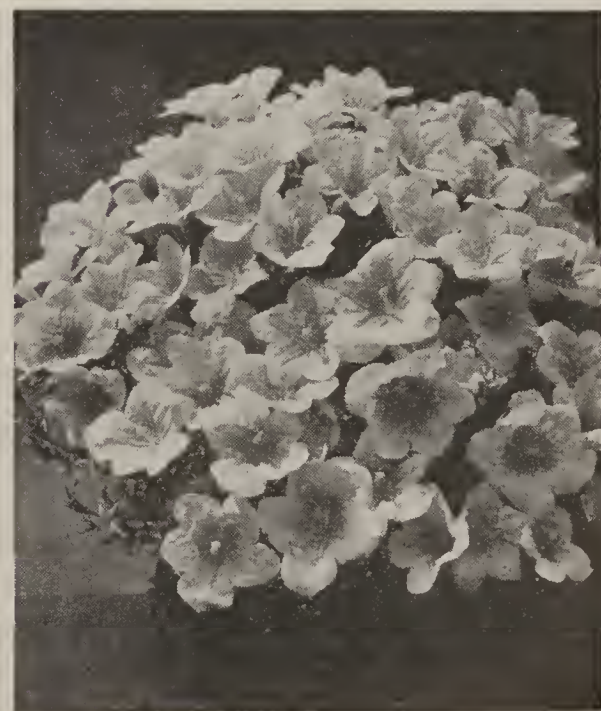
The latest introduction of the foremost specialist in Pansies. The color may be described as reddish bronze with dark eye, or Wallflower-red shaded orange. The flowers are $2\frac{1}{2}$ to 3 inches across, have fine substance, and are carried on long stems. This is a true Geneva Giant variety, and the seed comes to us directly from the originator. Pkt., 75c; Large Pkt., \$1.85.



Godetia, Kelvedon Glory



Marigold, Sunset Giants



Nierembergia, Hippomanica

SPECIALTIES

SHAKESPEARE PANSY

An old fashioned Pansy which was to be found in English gardens during the time of Shakespeare, and mentioned in many of his works. It is a simple, quaint little Pansy, suitable for any situation in the garden. In form, habit, and time of flowering, it is similar to Viola Papilio. Pkt., 35c; $\frac{1}{8}$ oz., \$1.35.

PETUNIA GIANT RUFFLED

An exceptionally fine strain with truly giant flowers in a range of rich colors. While not a real dwarf type, the first flower is borne when the plants are only a few inches tall in pot culture, and the plants remain sturdy when used for bedding.

SPECIAL MIXTURE—Pkt., 50c; large pkt., \$1.25.

(Separate colors of this strain listed on page 23)

PRIMULA SINENSIS DAZZLER

A most brilliant shade of orange-scarlet. The plants are exceptionally free flowering and are long lasting, making it a highly satisfactory variety for pot culture. This is the single flowering strain. Pkt., 50c.

RUDBECKIA KELVEDON STAR

An annual Rudbeckia growing to a height of about 3 feet. The flowers are deep golden yellow, with mahogany zone and dark brown central disc. Stems are long, making it suitable for cutting. Pkt., 25c; $\frac{1}{4}$ oz., 65c.

SUPER MAJESTIC SNAPDRAGONS

2 New Colors

"Red Rocket" is a striking bright red, almost scarlet in some lights, and has a fire and warmth which is most attractive. "Rose Sensation" is a charming rich shade of rose-pink with a touch of salmon. Both have huge flowers in immense nicely tapered trusses, and are rust resistant. Each: Pkt., 25c; $\frac{3}{8}$ oz., 75c.

STOCK SUPER GIANT IMPERIAL

This new type is a distinct improvement over the Giant Imperial group. The plants are base branching, producing a dozen or more huge flower spikes. "Blush Pink" is a lovely new addition to this group, with the same fine habit, and huge florets measuring 2 inches or more across. Blush Pink, Dark Blue, Rose Charm (deep rose), and Roselight (rose pink). Each: Pkt., 25c; $\frac{1}{8}$ oz., 85c.

SWEET PEA FLUFFY RUFFLES

Not a new Sweet Pea, but a greatly improved stock of a popular Ruffled Spencer variety. The color is a lovely pink on cream ground, the standards are duplexed, and the entire flower ruffled and frilled. With the double appearance of the flowers, only a few of the long stemmed sprays are needed to provide a bouquet. Pkt., 15c; oz., 40c.

TITHONIA FIREBALL

Fireball is a brilliant, vibrant shade of scarlet-orange, with a yellow center in pleasing contrast. The flowers measure $4\frac{1}{2}$ to 5 inches across, and are on fine long stems. The stately plants reach 8 or 9 feet, with grayish green, woolly foliage which does not become ragged. A tender annual, the seed should be started indoors in cooler districts, and the plants set out after danger of frost is past. Pkt., 25c; $\frac{1}{8}$ oz., 75c.

POMPON ZINNIA

Pastel Shades Mixture

Splendid for bedding, and of great value for cut flowers in the home when softer shades are desired. Lovely shades of apricot, salmon, yellow, pink, and orchid. An early flowering variety. Pkt., 15c; $\frac{1}{4}$ oz., 45c.

SCABIOSA FLOWERED ZINNIA

Autumn Tints

Interesting type with crested center and wider guard petals, in rich autumn shades. Splendid for cutting, but not especially showy in the garden. Pkt., 20c; $\frac{1}{4}$ oz., 85c.



Petunia, Giant Ruffled



Tithonia, Fireball



Zinnia, Scabiosa Flowered

ASTERS

Asters are one of the most popular half hardy summer and fall flowering annuals; excellent for bedding and cutting. Sow the seed in boxes from February to June and transplant 1 foot apart each way when danger from frost is over.

CALIFORNIA GIANTS

A splendid new strain of branching habit, plants grow 3 to 3½ feet high with long strong stems 18 to 24 inches in length bearing beautifully formed curled interlaced flowers 5 inches and over across. **Deep Rose, Light Blue, Peach Blossom** (delicate pink), **Dark Purple, White**—Any of the above. Per pkt., 15c; ⅓ oz., 60c. Collection of one packet each of the above 5 sorts for 65c. Mixture of all colors. Pkt., 15c; ⅓ oz., 50c; ¼ oz., 85c.

CREGO GIANT (Wilt Resistant)

This fine variety grows over 2 feet tall and is well branched; of free sturdy growth. The fluffy, graceful flowers are rarely less than 4 inches across and frequently over 5 inches. Fine for cutting. **White, Shell Pink, Rose, Crimson, Azure Blue, Purple**—Any of the above. Per pkt., 15c; ⅓ oz., 45c; ¼ oz., 75c. Collection of one packet each of the above 6 colors, 75c. Mixture of all colors. Pkt., 15c; ⅓ oz., 35c; ¼ oz., 65c.

EARLY ROYAL (Wilt Resistant)

An early large blooming type of Aster, coming into bloom in July or early August, with rounded double flowers carried on long stems. The plant grows 2 feet high and branches near the ground which insures long stems for cutting. **Deep Rose, White, Lavender, Shell Pink, Purple**—Any of the above. Per pkt., 15c; ¼ oz., 75c.

Collection of one packet each of the above 5 colors, 65c.

Mixture of all colors. Pkt., 10c; ⅓ oz., 40c; ¼ oz., 70c.

IMPROVED CALIFORNIA SUNSHINE

Plants of this new type grow 3 feet high and bear blossoms 5 and 6 inches across on long, stiff stems. The color in these new Asters is startlingly beautiful. The disc-like center is a lovely light yellow and the outer or ground petals are varying shades of pink, rose, blue and lavender. **Deep Rose, Enchantress Pink** (salmon-pink), **Light Blue, Purple, White**—Any of the above. Per pkt., 25c; ⅓ oz., \$1.00.

Mixture of all colors. Pkt., 20c; ⅓ oz., 75c.

HEART OF FRANCE (Wilt Resistant)

The best of the red Asters, the color being a rich garnet. The plants are of free branching habit, growing 18 inches high and producing flowers about 3½ inches across. Pkt., 15c; ⅓ oz., 60c.

GOLDEN SHEAF

The deepest yellow Aster yet offered and the only yellow Aster that is wilt resistant. The flowers are fully double with an attractive crest-like center. 2 feet high. Pkt., 15c; ⅓ oz., 45c.

SUPER GIANT

EL MONTE—Crimson; early flowering. Pkt., 25c; ⅓ oz., 65c.

LOS ANGELES—Giant shell-pink flowers beautifully curled and interlaced, and carried on long strong stems. Pkt., 25c; ⅓ oz., 65c.

LATE BEAUTY (Wilt Resistant)

A comparatively new type of Aster which comes into bloom early in September and lasts until late in the fall. The straight petaled flowers are large and densely double and borne on long and stout stems from 18 to 24 inches. **Azure Fairy** (light blue), **Crimson Beauty, September Beauty** (delicate pink), **Purple Beauty, Rose Beauty, White Beauty**—Any of the above. Per pkt., 15c; ⅓ oz., 50c.

Collection of one packet each of the above 6 sorts for 75c.

Mixture of all colors. Pkt., 15c; ⅓ oz., 45c; ¼ oz., 85c.

POMPON

A pretty little Aster bearing a great profusion of dainty button-like flowers with quilled petals. Grows 12 to 15 inches high. **Rose, White, Blood Red, Light Blue, Violet**—Any of the above. Per pkt., 15c; ⅓ oz., 75c.

Collection of one packet each of the above 5 sorts, 65c.

Mixture of all colors. Pkt., 15c; ⅓ oz., 75c; ¼ oz., \$1.25.

SEMPLES or LATE BRANCHING (Wilt Resistant)

The plant grows 2 to 3 feet high and about 18 inches in width. The blossoms are large, full and straight petaled and are borne on long stems or branches. Comes into flower late in the autumn. **Azure Blue, Blood Red, Deep Rose, Purple, White, Shell-Pink**—Any of the above. Per pkt., 10c; ⅓ oz., 45c.

Collection of one packet each of the above 6 colors, 50c.

Mixture of all colors. Pkt., 10c; ⅓ oz., 45c; ¼ oz., 75c.

SINGLE or SOUTHCOTE BEAUTY

A distinct single type. Flowers are 2 to 3 inches in diameter with small yellow centers. Free blooming and fine for cutting. Set plants 15 inches apart. **Rose-Pink, White, Dark Blue, Light Blue, Scarlet**—Any of the above. Per pkt., 15c; ⅓ oz., 35c.

Collection of one packet each of the above 5 sorts, 65c.

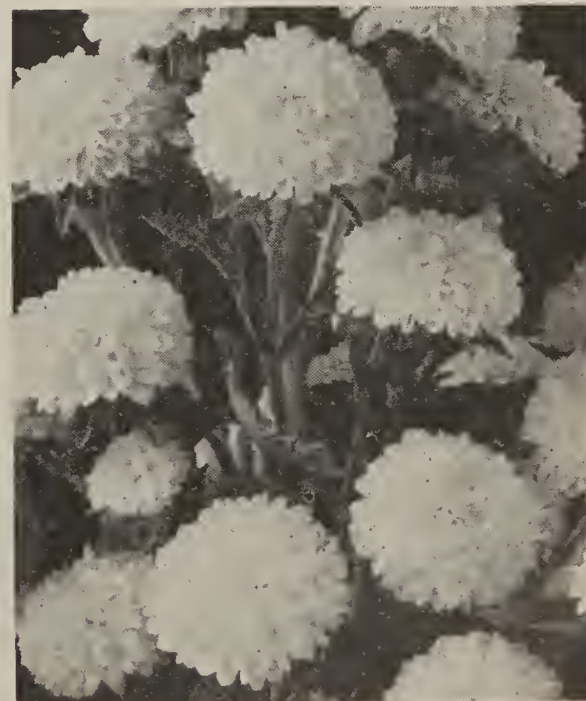
Mixture of all colors. Pkt., 10c; ⅓ oz., 25c; ¼ oz., 40c.



Aster, Crego Giant



Aster, Early Royal



Aster, Pompon

HALLAWELL'S FLOWER SEEDS

Selected strains of imported and California grown seeds

ABRONIA GRANDIFLORA

(Sand Verbena)

A hardy perennial trailing plant with numerous clusters of sweet scented rosy lilac flowers. Thrives in dry situations and rockeries. Peel off the husk and sow seed in the fall or early spring in the open. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

ABUTILON

(Flowering Maple)

Beautiful shrubs with maple-like leaves and large bell-shaped flowers in various colors. Half hardy perennial. Sow the seed in boxes and transplant when well started, after danger of frost is over. Giant Hybrids, pkt., 25c.

ACHIMENES

Profuse blooming greenhouse plants valuable for pots or hanging baskets. The flowers vary considerably in size and are of the most brilliant colors. Finest Mixed, pkt., 50c.

ACROCLINIUM

A pretty annual "Everlasting," growing about 15 inches high, bearing lovely rosy pink flowers, which, when cut in the bud state, can be dried and used in winter bouquets. Sow seed in the open in the fall or spring until June. Double Pink, pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 65c.

LARGE FLOWERED HYBRIDS—Assorted colors. Pkt., 15c; $\frac{1}{4}$ oz., 45c.

AGERATUM

(Floss Flower)

A half hardy annual of easy culture, especially adapted for borders and bedding, as it is literally covered with clusters of feathery blossoms all summer. Sow the seed early in spring, either in boxes to transplant or out of doors, and thin to 4 or 6 inches apart.

BLUE BALL—Deep blue, compact, ball-shaped plants 6 inches high, of uniform growth, bearing small flowers in great profusion for a long season. Pkt., 15c; $\frac{1}{8}$ oz., 30c; $\frac{1}{4}$ oz., 50c.

BLUE PERFECTION—Deep blue, 1 foot high. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

IMPERIAL DWARF WHITE—Eight inches high; flowers white. Pkt., 10c; $\frac{1}{4}$ oz., 30c.



Ageratum

AGATHEA

(Blue Daisy)

COELESTIS—Sky blue flowers with yellow disc growing 1 foot tall. A half hardy perennial remaining in bloom all year round. Useful for window boxes. Sow the seed in boxes to transplant. Pkt., 10c; $\frac{1}{8}$ oz., 30c; $\frac{1}{4}$ oz., 50c.

AGROSTEMMA

(Rose of Heaven or Mullein Pink)

CORONARIA—An attractive free flowering hardy perennial of easy culture, producing glowing crimson flowers like a single Pink; has silvery-white foliage; 2 feet. Plant in the fall or early spring. Sow the seeds in boxes or outdoors. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

ALONSOA

(Mask Flower)

WARSCIEWICZI COMPACTA—A charming variety of compact habit with racemes of bright vermilion-scarlet flowers; a free flowering, half hardy annual which grows 1 foot tall and thrives best in a sunny situation. Sow the seed in boxes in early spring and transplant when danger from frost is over. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

ALYSSUM

For borders, edgings, and rockwork, we recommend a liberal use of this dainty little flower. In borders, sow thickly so as to form masses, early in spring, or even the previous autumn. For winter bloom, sow late in August. Cut back after the first flowers fade, and others will come.

MARITIMUM (Sweet Alyssum)—Fragrant white flowers all summer. Hardy annual. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.15.

MARITIMUM CARPET OF SNOW—Dwarf and a very dense grower; fine for edgings; very floriferous. Hardy annual. Pkt., 10c; $\frac{1}{4}$ oz., 30c; oz., 85c.

LILAC QUEEN (Improved Type)—Flowers light lilac, well suited for bedding or ribbon bordering, the plants being erect and compact. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

SAXATILE COMPACTUM—(Gold Dust)—Single plants easily cover a square foot in a year, and produce many hundreds of bright yellow flowerheads. Grayish foliage. Hardy perennial. 1 foot. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

SAXATILE SILVER QUEEN—Pale yellow, good compact habit; especially good for edging and rockeries; hardy perennial. Pkt., 20c; $\frac{1}{8}$ oz., 65c.

AMARANTHUS

Remarkably handsome foliage and interesting flowers, producing a striking effect in the border as a background or as a center of beds. Seed may be sown in the open border, or in a hotbed; transplant about the first week in April. Produces the most attractive and brilliant foliage upon poor soil. Transplant to 20 inches. Half hardy annual.

CAUDATUS (Love Lies Bleeding)—Long drooping scarlet flowers. 3 feet. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

CRUENTUS—Tall spikes of red flowers. 3 feet. Pkt., 10c.

MOLTEN FIRE—Rich maroon foliage crowned with fiery crimson top leaves. Pkt., 15c; $\frac{1}{8}$ oz., 45c.

TRICOLOR SPLENDENS (Joseph's Coat)—Foliage scarlet, crimson, yellow, and bronze green. 2 feet. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

ANAGALLIS

(Pimpernel)

Lovely dwarf hardy annual plants, 6 inches high. Exceedingly effective as edgings, also useful in rockeries. Sow the seed in the fall or spring where it is to remain.

GRANDIFLORA BLUE—Pkt., 15c; $\frac{1}{4}$ oz., 35c.

GRANDIFLORA MIXED—Mauve, blue and scarlet shades. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

ANCHUSA

Hardy annuals and perennials producing brilliant blue, Forget-me-not-like flowers. Sow the seed of the annual sorts in the fall or early spring. The perennial sorts should be sown in the summer or early fall for next season's bloom.

BLUE BIRD—Flowers are a vivid indigo-blue. Plants are compact and of even habit; 18 inches high. Annual. **Pkt., 15c; ¼ oz., 30c.**

CAPENSIS (Cape Forget-me-not)—Azure blue flowers; grows 2 feet high and blooms all summer. Annual. **Pkt., 10c; ¼ oz., 25c.**

ITALICA LISSADELL—An improved form of the Dropmore variety, growing about 5 feet high with sprays of extra large, bright gentian blue flowers. Perennial. **Pkt., 15c; ¼ oz., 35c.**

ANEMONE

The flowers come in a great variety of colors. They bloom very early in spring and make a nice display when planted in a bed or border. The woolly seed should be rubbed with sand and the two may be sown together in the fall for next season's bloom; keep shaded until plants appear and when of suitable size thin to 6 inches apart.

CAEN or **GIANT SINGLE** (Monarch Strain)—Mixed colors. **Pkt., 15c; ½ oz., 75c.**

ST. BRIGID (True Irish Strain)—Mixture of semi-double and double flowers. **Pkt., 25c; ½ oz., \$1.00.**

ARABIS ALPINA

(Rock Cress)

A hardy perennial Alpine trailing plant. Flowers are pure white and borne on erect spikes and bloom very early. Useful in sunny rockeries and well-drained borders. **Pkt., 10c; ¼ oz., 30c.**

ARCTOTIS

GRANDIS—The African Lilac Daisy. Handsome annual forming branched bushes 2 to 2½ feet in height. Pearl white flowers with mauve center, with the reverse of the petals pale lilac. Sow the seed in the fall or early spring, either in boxes to transplant or outside. **Pkt., 10c; ¼ oz., 25c.**

GIANT HYBRIDS—An interesting annual from South Africa. The plants grow to a height of 12 inches, are very free-flowering, and the color range is exceedingly varied. The flowers, which resemble the Transvaal Daisy, are 2½ to 3 inches in diameter, and are borne above the foliage on wiry stems. **Pkt., 25c; ½ oz., \$1.25.**

ASCLEPIAS

(Butterfly Milk Weed)

TUBEROSA—A hardy perennial border plant with clusters of brilliant orange colored flowers; 2 feet. Prefers a well-drained soil and sunny situation. **Pkt., 25c.**

ASPARAGUS

PLUMOSUS—A tender perennial for greenhouses or potted plant use, with long, fine feathery foliage. Seeds start slowly and should be soaked in water before sowing. **Pkt., 10c; 100 seeds, 35c.**

SPRENGERI (Emerald Feather)—An easily grown, feathery-leaved variety with drooping branches. The best variety for hanging baskets. **Pkt., 10c; 100 seeds, 35c.**

ASTER PERENNIAL

(Michaelmas Daisies)

Beautiful hardy fall flowering perennials. Flowers are single in shades of lilac, blue and mauve.

WARTBURG STAR (Sub-coeruleus)—A new, earlier and larger flowering variety of this type. Lavender-blue flowers with yellow centers borne from May to July. Height 18 to 24 inches. **Pkt., 25c; ⅓ oz., \$1.00.**

NEW LARGE FLOWERED—Mixed, 1 to 3 feet tall. **Pkt., 15c; ⅓ oz., 60c.**

AUBRIETIA

One of the daintiest and most beautiful of all dwarf, creeping plants for massing in rockeries or in borders, forming brilliant sheets of color for many weeks in the spring. Sow the seed in the summer or fall. Hardy perennial.

BOUGAINVILLEI—Dark blue. **Pkt., 25c; ⅓ oz., 75c.**

GRAECA—Light purple, very free blooming. **Pkt., 15c; ½ oz., 50c.**

AUSTRALIAN PEA VINE

(Dolichos Lignosus)

A rapid-growing evergreen climbing perennial, flowering freely in large clusters of rose flowers. For covering arbors, trellises, etc., they have no superior. **Pkt., 10c; ¼ oz., 40c.**

BALSAM

(Lady's Slipper)

A tender annual, with brittle stems and foliage. Grows about 12 inches high. Plants are profusely covered with large double wax-like flowers of brilliant colors—some self-colored, others blotched, spotted, and striped in a wonderful manner. Sow the seed in spring in boxes to transplant or out of doors when danger of frost is over. Set the plants 18 inches apart.

DOUBLE VARIETIES—White, Salmon-Pink, Lilac, Scarlet, Violet. Any of the above. **Per pkt., 15c; ¼ oz., 35c.**

CAMELLIA FLOWERED MIXED—Resembles a Camellia in its perfect shape. **Pkt., 10c; ¼ oz., 25c; oz., 75c.**

BARTONIA AUREA

A California wild flower producing showy golden yellow flowers above its gray and downy thistle-like foliage, which is exceedingly brilliant in the sunshine. Sow it where it is to remain, as it does not bear transplanting; annual; 2 feet. Sow in the fall or spring. **Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.**

BEGONIA**TUBEROUS ROOTED**

Plants of great value for pot culture or for growing outside in sheltered position, blooming the first season from seed, if sown in February or March in a temperature of 60 degrees.

SINGLE—Finest Mixed. **Pkt., 35c.**

DOUBLE—Extra Choice Mixed. **Pkt., 50c.**

CRISPA—Large single flowers, beautifully frilled on edge and crested. **Pkt., 35c.**

CRESTED or **BEARDED**—Finest Mixed. **Pkt., 50c.**

LLOYDI—Owing to its pendulous habit this Begonia makes a beautiful pot plant, but a still more striking effect is produced in hanging baskets. The flowers are double and come in many fine shades. **Pkt., 50c.**

FIBROUS ROOTED

These dwarf varieties are valuable for bedding, doing equally well in full sunlight or in partially shaded positions. They flower from May until frost. Half hardy perennials.

ERFORDIA—Rosy carmine. 12 inches. **Pkt., 25c.**

FIRE DWARF—Deep scarlet; extra dwarf. **Pkt., 25c.**

FIRE SEA—Fiery dark red; foliage green. Compact habit; 6 to 8 inches. **Pkt., 35c.**

PRIMA DONNA—Light rose, deeper at center. 12 inches. **Pkt., 25c.**

LUMINOSA—Deep scarlet; foliage crimson-bronze. 12 inches. **Pkt., 25c.**

ROSABELLE (New)—Rose pink; compact. **Pkt., 25c.**

SALMON QUEEN—Brilliant salmon-red; foliage brownish red. 12 inches. **Pkt., 35c.**

VERNON—Scarlet; foliage bronze-red. 15 inches. **Pkt., 15c.**

BRACHYCOME

(Swan River Daisy)

Free flowering dwarf growing hardy annuals 12 to 15 inches high, covered during the summer with a profusion of pretty blue or white flowers. **Blue or Mixed, pkt., 10c; ¼ oz., 40c.**

BROWALLIA

(Amethyst)

ELATA BLUE—Very free-flowering, half-hardy annual, covered with bright blue flowers. Used both for bedding and cutting; height 18 inches. **Pkt., 10c; ½ oz., 30c; ¼ oz., 50c.**

SAPPHIRE (New)—Compact plants 9 to 10 inches high. Dark blue flowers with white eye. Fine for bedding or for pots. **Pkt., 25c.**

SPECIOSA MAJOR—Extra large deep blue; does fine outside in the border, but is especially valuable as a pot plant for winter bloom. **Pkt., 25c.**



Calendula, Orange Shaggy

CALENDULA (Cape Marigold)

Free flowering hardy annuals which are excellent for bedding and cutting. Sow in the open and thin or transplant to 1 foot apart; sow in January, May and August for a succession of blooms.

SUNSHINE (*Chrysantha*)—Large double, buttercup-yellow flowers on exceptionally long, stout stems. The petals are long, wide and drooping, giving the flowers a globular appearance. **Pkt., 15c; ¼ oz., 25c; ½ oz., 45c; oz., 75c.**

ORANGE SUNSHINE—Clear orange. **Pkt., 15c; ¼ oz., 35c; oz., \$1.00.**

ORANGE KING (Hallawell's Special Strain)—Very large, deep orange-red with dark center. We consider this the finest strain in existence. **Pkt., 10c; ½ oz., 35c; oz., 60c.**

LEMON KING ("Extra Select")—Very large, rich lemon-yellow. **Pkt., 10c; ½ oz., 25c; oz., 40c.**

BALL'S APRICOT—Large flowers; soft apricot with dark eye. **Pkt., 15c; ¼ oz., 35c; oz., \$1.00.**

BALL'S GOLD—Deep golden yellow of extra large size; fine long stems. **Pkt., 15c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.**

BALL'S ORANGE—Immense rich orange flowers carried on long stems. **Pkt., 15c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.**

CAMPFIRE (Sensation)—Large double, brilliant orange colored flowers with a scarlet sheen and full yellow center; stems are stout and long. **Pkt., 15c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.**

ORANGE SHAGGY—Petals are long, deeply fringed and overlap each other in a rather irregular fashion. Color is deep orange shading to lighter orange in the center of the flower; stems are stout and long. **Pkt., 15c; ¼ oz., 25c; oz., 75c.**

RADIO—Medium size, clear orange flowers. The petals are beautifully quilled, adding great charm to the flowers. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

MIXED—**Pkt., 10c; oz., 25c; ¼ lb., 85c.**

HALLAWELL'S SPECIAL MIXTURE—Large flowered varieties. **Pkt., 15c; oz., 45c; ¼ lb., \$1.35.**

CALCEOLARIA

This ornamental, annual greenhouse plant produces a mass of beautiful pouch-shaped flowers in spring, many of which are tigered or spotted. Sow the seed from June to September for next spring's bloom.

COVENT GARDEN STRAIN—Flowers of large size and beautifully marked in a great variety of colors. **Pkt., 50c.**

CAMPANULA (Canterbury Bells)

Well known, beautiful hardy herbaceous perennials and biennials, bearing a great profusion of attractive bell-shaped flowers, thriving best in light, rich soil.

BIENNIAL

SINGLE—(*Campanula Medium*)—A hardy biennial, blooming the second year from seed; of easy culture, but preferring rich, moist soil. Grows about 2½ feet high and bears single bell-shaped flowers in blue, white, purple and pink colors. For next summer's bloom sow seed in boxes from April 15 to August 15 and transplant when well started. **Dark Blue, White, Rose, Lavender.** Each per **pkt., 10c; ¼ oz., 25c.** **SINGLE MIXED**—**Pkt., 10c; ¼ oz., 25c; oz., 75c.**

DOUBLE MIXED—All the double flowering varieties assorted. **Pkt., 15c; ¼ oz., 50c.**

CUP and SAUCER TYPE—In this variety the outer petals form a brim, like a saucer. **Dark Blue, White, Rose, Lavender.** Per **pkt., 15c; ½ oz., 45c.** **Finest Mixed.** **Pkt., 15c; ½ oz., 35c; ¼ oz., 60c.**

PERENNIAL

PERSICIFOLIA GRANDIFLORA (Peach-Bell) — Perennial; 4 feet; large flowered. **Blue, White, Mixed.** Per **pkt., 15c.**

PERSICIFOLIA TELHAM BEAUTY—Immense bell-shaped flowers of a pale china-blue, produced on long stems. **Pkt., 25c.**

PYRAMIDALIS (Chimney Bellflower)—Large flowers on tall (6-foot) spikes; blooms late; perennial. **Blue, White, Mixed.** Per **pkt., 15c; ½ oz., 50c.**

CARPATICA (Carpathian Harebell)—A dwarf perennial, 9 inches, for rockeries, edges and beds. **Blue, White, Mixed.** Per **pkt., 10c; ¼ oz., 50c.**

ANNUAL CANTERBURY BELLS

A new strain of these beautiful flowers which will commence blooming in August from seed sown in February. The plants grow 2 to 2½ feet tall, each plant having from 6 to 8 spikes of bloom in shades of dark blue, light blue, rose and white.

ANGELUS BELL—A beautiful deep rose. **Pkt., 15c; ½ oz., 35c.**

BLUE BELL—Cambridge blue. **Pkt., 15c; ½ oz., 35c.**

LIBERTY BELL—Intense violet-blue. **Pkt., 15c; ½ oz., 35c.**

MISSION BELL—Clear pink. **Pkt., 15c; ½ oz., 35c.**

WEDDING BELL—Pure white. **Pkt., 15c; ½ oz., 35c.**

SELECT MIXTURE—**Pkt., 15c; ½ oz., 30c; ¼ oz., 50c.**



Annual Canterbury Bell

CALLIOPSIS

Showy and beautiful free-flowering annuals, of the easiest culture, doing well in any sunny position, blooming all summer and excellent for cutting and massing. It is best to sow them where they are to bloom, in spring, thinning out to stand 6 inches to 12 inches apart.

ATROSANGUINEA—Velvety dark maroon. 2½ to 3 feet high. Pkt., 10c; ¼ oz., 25c; oz., 75c.

BI-COLOR HYBRIDA SEMI PLENA—Semi-double flowers of garnet and yellow. 2½ to 3 feet high. Pkt., 10c; ¼ oz., 25c.

CRIMSON KING—A fine dwarf sort 9 inches high; color, rich velvety crimson-scarlet. Pkt., 10c; ¼ oz., 25c.

GOLDEN WAVE—The largest flowering variety. Clear yellow flowers with brown center. 2 feet high. Pkt., 10c; ¼ oz., 25c.

SPLENDENS—Large golden yellow flowers with brown centers. 2½ to 3 feet high. Pkt., 10c; ¼ oz., 25c.

TIGER STAR—Dwarf variety, not over 9 inches high. Flowers a rich reddish brown tigated with golden yellow. Pkt., 10c; ¼ oz., 25c.

Collection of one packet each of the above 6 sorts, 50c.

TALL MIXED—A gorgeous mixture of golden yellow, brown, maroon and other shades. Pkt., 10c; ½ oz., 25c; oz., 40c.

For perennial sorts see *Coreopsis*.

CANARY BIRD VINE

A tender, climbing annual of the *Nasturtium* family. Blossoms have curiously winged petals and are light yellow. Sow the seed in the open ground from March 15th until June. Pkt., 10c; ½ oz., 25c; oz., 40c.

CANDYTUFT

One of the most popular hardy annuals for furnishing beds and borders with masses of color from spring until fall; also good for cutting. Requires plenty of sunshine and only a moderate amount of watering. Seeds sown in autumn produce flowers early in spring; when sown in April, flowers from July to September.

TALL ANNUAL VARIETIES

(Height 1 foot)

ALBIDA—Creamy white. Pkt., 10c; ½ oz., 30c; oz., 50c.

CARMINE—Bright carmine-rose. Pkt., 10c; ½ oz., 30c; oz., 50c.

CRIMSON or PURPLE—Pkt., 10c; ½ oz., 30c; oz., 50c.

LAVENDER—Delicate shade of lilac. Pkt., 10c; ½ oz., 30c; oz., 50c.

ROSE CARDINAL—Deep rosy cardinal. Pkt., 10c; ½ oz., 40c; oz., 75c.

Collection of a packet each of the above 5 sorts, 45c.

SPLENDID MIXED—Pkt., 10c; ½ oz., 25c; oz., 40c.

GIANT HYACINTH FLOWERED or IMPROVED EMPRESS—Very large heads and long spikes of white flowers. Best sort for cut flowers. 1½ feet. Extra select strain. Pkt., 10c; ¼ oz., 35c.

DWARF ANNUAL VARIETIES

(Height 6 inches)

DWARF LAVENDER—Pkt., 10c; ¼ oz., 35c.

DWARF PINK—Pkt., 10c; ¼ oz., 35c.

DWARF HYBRIDS MIXED—Plants of fine compact growth in a large range of colors. Sow in the late spring or summer as the plants will grow tall if the seed is sown early. Pkt., 10c; ¼ oz., 25c; oz., 70c.

PERENNIAL SORTS

Sow in summer or early fall for next season's bloom. Start seed in boxes and transplant.

SEMPERVIRENS—Pure white. Pkt., 15c; ½ oz., 50c.

GIBALTARICA—White shading to lilac. Pkt., 15c; ¼ oz., 50c.



Carnation, *Enfant de Nice*

CARNATION

The Chabaud and *Enfant de Nice* Carnations are the most satisfactory garden types as they bloom within a few months after being sown and continue to produce flowers in great profusion indefinitely. Sow the seed in boxes in the fall or early spring. The florists' varieties are propagated from cuttings.

CHABAUD'S EVERBLOOMING—Very free blooming, produces a large percentage of double flowers. **Flesh Pink, White, Crimson, Rose-Pink, Cardinal-Red, Salmon-Rose, Yellow**—Any of the above. Per pkt., 15c; ⅛ oz., 85c.

Collection of one packet each of the above 7 colors, 85c.

CHABAUD'S GIANT MIXED—Pkt., 15c; ⅛ oz., 75c.

ENFANT DE NICE—The result of a cross between Chabaud's Giant Improved and Carnation Perpetual. The plants are of robust, upright habit, with long, strong stalks bearing flowers 2½ to 3 inches in diameter. This strain is magnificent and so far the last word in Carnations. May be treated as an annual. The color comes about 75 per cent true from seed and about 90 per cent of the plants come double. **Red, Rose, Light Salmon, White, Striped**—Any of the above. Per pkt., 25c; ⅛ oz., \$1.50. **Finest Mixed**. Pkt., 25c; ⅛ oz., 75c.

GIANT MARGUERITE MIXED—A showy type carrying a profusion of large, fragrant blooms 2½ to 3 inches across. Pkt., 10c; ¼ oz., 60c.

CASTOR OIL BEAN

(*Ricinus*)

An annual which persists as a perennial in mild climates. Grows to a height of from 6 to 15 feet, and has large ornamental foliage. Sow the seed from March until June.

ZANZIBARENSIS—A large-leaved variety, deep green and bronze, growing 10 to 15 feet high. Pkt., 10c; oz., 30c.

CELOSIA

(Cockscomb)

Very attractive and showy annual, producing massive heads of rich shades of crimson and yellow flowers. Does best started in a hotbed and transplanted into very rich soil after warm weather has set in. Set the plants a foot or more apart. Tender annuals.

PLUMOSA MAGNIFICA (Improved Feathered Cockscomb)—A new variety, superior to the older sorts, of pyramidal growth attaining a height of 3 feet and producing feathery plumes of the most brilliant colors. **Mixed. Pkt., 10c; ¼ oz., 40c.**

PLUMOSA MAGNIFICA, YELLOW—Pkt., 15c; ¼ oz., 50c.

PLUMOSA MAGNIFICA, CRIMSON—Pkt., 15c; ¼ oz., 50c.

PLUMOSA MAGNIFICA, SCARLET—Pkt., 15c; ¼ oz., 50c.

PRIDE OF CASTLE GOULD—Beautiful plants for pot culture or for bedding. Of pyramidal compact habit, attaining a height of 2 to 3 feet, with immense fine feathered heads, in wide range of colors. **Prize Strain. Pkt., 25c.**

CHILDSI or CHINESE WOOLFLOWER—This attractive variety grows 2 to 3 feet high, bearing on long stems brilliant flowers that look like balls of silky wool; very effective in the garden. **Crimson, Yellow and Mixed. Each 10c per pkt.; ¼ oz., 50c.**

CRISTATA GLASGOW PRIZE—A dwarf crimson variety, 6 or 8 inches high, with very wide combs. Valuable for borders and edging. **Pkt., 15c; ⅛ oz., 65c.**

CRISTATA GIANT EMPRESS—Wide blood red combs, brown foliage, dwarf. **Pkt., 15c; ⅛ oz., 45c.**

CRISTATA DWARF YELLOW—Pkt., 15c; ⅛ oz., 75c.

CRISTATA DWARF MIXED—Extra select mixture of rich colors. **Pkt., 10c.**

CRISTATA TALL CRIMSON—1½ to 2 feet. **Pkt., 10c.**

CENTAUREA**CYANUS**

(Bachelor Button or Cornflower)

Of easy culture, sow the seed either in the fall or spring in boxes to transplant or sow where the plants are to remain and thin to 4 inches.

JUBILEE GEM—Double blue flowers. Annual; height, 1 foot. **Pkt., 20c; ½ oz., 60c.**

DOUBLE BLUE—Large semi-double blue flowers; plants of vigorous growth. **Pkt., 10c; ¼ oz., 25c.**

DOUBLE PINK—Clear rose-pink. **Pkt., 10c; ¼ oz., 25c.**

DOUBLE WHITE—Pure white. **Pkt., 10c; ¼ oz., 25c.**

DOUBLE MAROON—Pkt., 10c; ¼ oz., 25c.

DOUBLE MAUVE—Pkt., 10c; ¼ oz., 25c.

DOUBLE RUBY—Pkt., 10c; ¼ oz., 25c.

Collection of one packet each of the above 6 Double Sorts, 50c.

DOUBLE MIXED—Pkt., 10c; ¼ oz., 20c; oz., 50c.

IMPERIALIS

(Royal Sweet Sultan)

The large thistle-like blossoms are borne on long strong stems; when cut will last in good condition for several days; 2½ feet tall. Sow in the fall or early spring so that they may perfect their flowers before very hot weather comes.

PURE WHITE, ROSE, PURPLE, LAVENDER, AMARANTH RED.

Any of the above colors. **Pkt., 10c; ¼ oz., 30c.**

Collection of one packet each of the above 5 colors, 45c.

MIXED COLORS—Pkt., 10c; ¼ oz., 25c; oz., 75c.

VARIOUS CENTAUREAS

SUAVEOLENS—Yellow Sweet Sultan. **Pkt., 10c; ¼ oz., 35c.**

AMERICANA—A splendid native annual variety; grows 3½ feet high and bears immense thistle-like blooms of rosy lavender color. **Pkt., 10c; ¼ oz., 25c.**

MONTANA (Perennial Cornflower)—Hardy perennial sort, growing 2 feet high, bearing large violet-blue flowers during July and August. **Pkt., 10c; ¼ oz., 40c.**

CANDIDISSIMA, WHITE LEAVED, or DUSTY MILLER—Grown for its silvery white foliage; used for borders, carpet bedding; 1 foot; perennial. **Pkt., 15c; ¼ oz., 70c.**



Annual Chrysanthemum

CHRYSANTHEMUM

(Painted Daisy)

Summer-blooming annuals, of compact growth, producing quantities of large single flowers, 2 inches across, and of striking beauty; very effective for flower beds and for cut flowers. 2 to 2½ feet. Sow the seed in spring. In mild sections seed may also be sown in the fall for early bloom.

BURRIDGEANUM—White petals with zone of brownish red and inner zone of yellow surrounding the dark brown disc. **Pkt., 10c; ¼ oz., 25c.**

CHAMELEON—Autumn tints; very fine. **Pkt., 10c; ¼ oz., 25c.**

THE SULTAN—Dark copper with yellow zone. **Pkt., 10c; ¼ oz., 25c.**

W. E. GLADSTONE—Rich purple with yellow zone. **Pkt., 10c; ¼ oz., 25c.**

EVENING STAR—A splendid variety for cutting. Pure golden yellow. 3 inches in diameter. **Pkt., 10c; ¼ oz., 25c.**

MORNING STAR—Large, primrose yellow, shading deeper; fine for cutting. **Pkt., 10c; ¼ oz., 25c.**

EASTERN STAR—Primrose yellow with brown disc; very fine. **Pkt., 10c; ¼ oz., 25c.**

NORTHERN STAR—Large, pure white with yellow center and dark disc. **Pkt., 10c; ¼ oz., 25c.**

SINGLE MIXED—Pkt., 10c; ¼ oz., 20c; oz., 50c.

CARINATUM DOUBLE and SINGLE MIXED—The flowers are double and semi-double, with some singles and come in a great variety of colors and are fine for cutting. **Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.**

NIVELLI (Annual Marguerite)—A new variety with pure, deep yellow flowers. The earliest flowering variety and a very free bloomer; 2 to 3 feet high. **Pkt., 10c; ¼ oz., 25c; oz., 75c.**

PERENNIAL

MAWII—A hardy perennial with rich pink flowers 2 inches across. The plants are 1 foot high with silvery foliage. A very useful subject for the border or rockery. **Pkt., 25c; ⅛ oz., 85c.**

CERASTIUM

(Snow in Summer)

TOMENTOSUM—Very pretty dwarf white leaved plant, bearing small white flowers; invaluable for rockeries and edgings; hardy perennial. Start in boxes to transplant. **Pkt., 15c; ½ oz., 40c.**

CHEIRANTHUS

(Siberian Wallflower)

ALLIONI—An exceedingly showy rock and border plant. Brilliant orange-colored flowers throughout spring and summer if seed pods are removed. 1 foot. Best treated as an annual as it frequently blooms itself to death. Will flower freely through the summer from seed sown early in spring; for early spring flowering sow in late summer. **Pkt., 10c; ¼ oz., 25c.**

CHELONE BARBATA

A hardy border perennial of Pentstemon-like habit producing long spikes of flowers. Height 3 feet. Sow from May to September for next summer's bloom. Start seed in boxes and transplant.

HYBRIDA PRAECOX—A new early flowering strain producing a large proportion of pretty pink and cerise flowers in various shades. **Pkt., 15c; ¼ oz., 40c.**

CINERARIA

These plants are invaluable for the decoration of the conservatory or for bedding outside in partial shade; unsurpassed for richness and variety of vivid colors, ranging through all shades of blue, purple and crimson; the seed is easily started and the plants grow readily in good ordinary soil. Sow in boxes in the summer for spring blooming, or early in spring for late summer flowering.

CALIFORNIA SUPER GIANTS MIXED—The huge flowers measure from 3 to 5 inches across and are borne in immense rounded trusses above the dark green foliage. The colors range from pastel salmons, azure blue and snowy white to the deepest blood-red and violet-blues. Plants are compact in habit, 15 to 18 inches high. **Pkt., 50c; Large pkt., \$1.25.**

SUPER GIANT, BLUE SHADES—**Pkt., 50c; Large pkt., \$1.25.**

SUPER GIANT, SALMON SHADES—**Pkt., 50c; Large pkt., \$1.25.**

MATADOR—Terra cotta-red. Large Flowered. **Pkt., 35c.**

ROYAL BLUE—Large Flowered. **Pkt., 35c.**

GOOD MIXTURE—Semi-Dwarf, Large Flowered. **Pkt., 25c.**

DWARF PRIZE—Dwarf compact plants with large flowers in various colors, not over a foot high. **Pkt., 50c.**

MULTIFLORA NANA MIXED—A new race producing dwarf plants 10 inches high with masses of small flowers measuring about ¼-inch diameter; compact heads over small foliage. The flowers are all self colored. **Pkt., 35c.**

STELLATA (Star-Flowering Cineraria)—A tall-growing variety with large spreading panicles of star-shaped flowers in all colors. **Pkt., 25c; Large pkt., 65c.**

STELLATA FELTHAM BEAUTY—Similar to above but is dwarfier, with larger flowers and broader petals, but retaining the true star shape. Many have white centers. **Pkt., 35c.**

CLARKIA

A hardy annual of easy culture, growing about 18 inches high and bearing bright rose, white, or purple flowers in great profusion. Seed sown in the fall will give early blossoms in the spring. Seed can be sown almost any time.

BRILLIANT—Very bright carmine-rose, double. **Pkt., 10c; ¼ oz., 35c.**

PURPLE PRINCE—Double rich purple. **Pkt., 10c; ¼ oz., 35c.**

SALMON QUEEN—Double salmon-pink flowers. **Pkt., 10c; ¼ oz., 35c.**

SCARLET BEAUTY—Double brilliant scarlet. **Pkt., 10c; ¼ oz., 35c.**

WHITE—Double pure white. **Pkt., 10c; ¼ oz., 35c.**

Collection of one packet each of the above 5 varieties, 45c.

DOUBLE MIXED—An extra select strain. **Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 90c.**

CLEOME PUNGENS

(Giant Spider Plant)

The plants grow 3 to 4 feet tall and are well branched, with heads of curious-shaped rose colored flowers. Used extensively in the mixed border and among shrubbery. Sow seed in the open when the ground becomes warm. **Pkt., 10c.**

COBAEA SCANDENS

A very fine and rapid-growing climber, with large bell-shaped purple flowers and beautiful foliage. Needs rich soil; plant seeds edgewise and cover lightly. **Pkt., 10c; ¼ oz., 35c.**

COLEUS

Richly colored ornamental foliage plants for house culture. Although perennials they attain perfection from seed the first year.

HALLAWELL'S IMPROVED HYBRIDS—This strain produces the finest colored and most attractive varieties. **Pkt., 35c.**

RAINBOW MIXTURE—**Pkt., 20c; ½ oz., 75c.**

COLLINSIA BICOLOR

A free-flowering and easily grown annual, growing from 1 to 2 feet; flowers violet and white. A California wild flower; prefers shade. Sow seed in the open ground any time in the fall until May. **Pkt., 10c; oz., 35c.**

COREOPSIS

A perennial with light, graceful foliage and beautiful golden flowers. Blossoms in midsummer and is one of the best yellow cut flowers. Will bloom the first season if sown early. Sow the seed in boxes and transplant to 1 foot apart.

GRANDIFLORA—**Pkt., 10c; ¼ oz., 25c; oz., 75c.**

DOUBLE SUNBURST (New)—This new strain produces a good percentage of semi-double flowers and is just as easy to grow as the single flowering form and the extra petalage adds a further charm to the flower. **Pkt., 20c; ¼ oz., 45c.**

MAYFIELD GIANT—A new variety of Australian origin. It produces a taller and more vigorous plant than the Grandiflora, with longer and firmer stems and larger individual blooms. The color is the same familiar yellow, if anything, a shade more intense. **Pkt., 15c; ¼ oz., 50c.**



Clarkia



Columbine

COLUMBINE

(Aquilegia)

A hardy perennial of graceful habit growing 2 to 3 feet high. The attractive flowers produce an unusual wealth of color from May to July. They succeed best in partial shade and are of value for cutting. Seeds sown in early summer or fall will bloom the following spring. Start seed in boxes to transplant.

CRIMSON STAR (Long Spurred)—Crimson petals and white corolla. **Pkt., 25c; 1/8 oz., 85c.**

CHRYSANTHA—Golden yellow. **Pkt., 15c; 1/8 oz., 45c.**

LONG SPURRED PINK HYBRIDS—A beautiful selection of pink and rose shades. **Pkt., 25c; 1/8 oz., 65c.**

LONG SPURRED BLUE HYBRIDS—Blue and lavender shades. **Pkt., 25c; 1/8 oz., 65c.**

LONG SPURRED ORANGE and SCARLET HYBRIDS—Very fine. **Pkt., 25c; 1/8 oz., 65c.**

HALLAWELL'S SELECT HYBRIDS—This strain far surpasses the Scott-Elliott hybrids. The blooms are of large size and the range of color quite complete. **Pkt., 25c; 1/8 oz., 75c.**

LONG SPURRED HYBRIDS, MIXED—A great variety of colors. **Pkt., 15c; 1/8 oz., 50c.**

DOUBLE MIXED—**Pkt., 15c; 1/8 oz., 30c.**

CYCLAMEN

A tender bulbous perennial, used in greenhouses and window gardens. It is easily grown from seed. Sow in the fall or early spring.

CHERRY RED—Bright cherry-red. **Pkt., 10 seeds, 25c.**

PEARL OF ZEHLENDORF—Dark salmon. **Pkt., 10 seeds, 25c.**

ROSE OF MARIENTHAL—Soft rose, carmine eye. **Pkt., 10 seeds, 25c.**

ROSE OF ZEHLENDORF—Light salmon. **Pkt., 10 seeds, 25c.**

WHITE LADY—Pure white. **Pkt., 10 seeds, 25c.**

MIXED—**Pkt., 12 seeds, 25c; 100 seeds, \$1.85.**

PAPILIO—Butterfly type, fringed and waved edges. **Pkt., 10 seeds, 30c; 100 seeds, \$2.50.**

COSMOS

The plants grow 5 to 6 feet high, and are one mass of feathery green foliage, gemmed with large single flowers of white, pink, or crimson, enlivening the garden long after more tender flowers have succumbed to early frosts. For bouquets and vases this is one of the finest flowers grown. This half hardy annual may be sown from February until June. Sow in boxes to transplant or out of doors if cold weather is over and thin to 12 inches apart.

EARLY GIANT SENSATION

A splendid improvement over the older types. The flowers which are 4 inches or more in diameter are produced freely as early as 10 weeks after sowing, on plants 3 to 4 feet in height.

PINKIE—Rose pink. **Pkt., 25c; 1/4 oz., 85c.**

PURITY—Glistening white. **Pkt., 25c; 1/4 oz., 85c.**

MIXTURE—Pink and white shades. **Pkt., 15c; 1/4 oz., 50c.**

GIANT LATE or LADY LENOX

The finest late flowering type, bearing giant flowers with broad and overlapping petals of splendid substance. The plants, 5 to 6 feet high, are of symmetrical pyramidal form.

GIANT PINK—Bright pink. **Pkt., 10c; 1/4 oz., 25c.**

GIANT WHITE—Pure white. **Pkt., 10c; 1/4 oz., 25c.**

GIANT CRIMSON—Brilliant crimson. **Pkt., 10c; 1/4 oz., 25c.**

GIANT MIXED—Contains an even proportion of the above colors. **Pkt., 10c; 1/4 oz., 20c; oz., 50c.**

MAMMOTH EARLY FLOWERING

A great improvement on the ordinary early flowering type. Plants grow 3 1/2 to 4 feet tall and produce immense flowers in 60 days from time of sowing.

MAMMOTH EARLY PINK—**Pkt., 10c; 1/4 oz., 25c.**

MAMMOTH EARLY WHITE—**Pkt., 10c; 1/4 oz., 25c.**

MAMMOTH EARLY CRIMSON—**Pkt., 10c; 1/4 oz., 25c.**

MAMMOTH EARLY MIXED—**Pkt., 10c; 1/4 oz., 20c; oz., 60c.**

EARLY ORANGE FLARE (Klondyke)—Free flowering vivid bright orange; the plants are in full flower less than four months from the time of planting. **Pkt., 15c; 1/4 oz., 35c.**

DOUBLE CRESTED

The plants grow 3 1/2 to 4 feet tall and produce about 60 per cent of flowers having double centers and a row of petals around the base of the flower which makes them very effective.

CRIMSON KING—Dark crimson. **Pkt., 20c; 1/4 oz., 85c.**

PINK BEAUTY—Soft pink. **Pkt., 20c; 1/4 oz., 85c.**

WHITE QUEEN—Pure white. **Pkt., 20c; 1/4 oz., 85c.**

Mixture of the above colors—**Pkt., 15c; 1/4 oz., 65c.**



Cosmos, Double Crested

CYNOGLOSSUM
(Chinese Forget-Me-Not)

A hardy biennial recently introduced from China, of the easiest culture, forming strong plants about 18 inches high and producing through the summer months sprays of Forget-me-not-like flowers. Will bloom the first season if sown early.

- AMABILE BLUE—Intense deep blue. Pkt., 10c; ¼ oz., 25c.
- FAIRY BLUE—Bright Cambridge blue. Pkt., 15c; ¼ oz., 35c.

CYPRESS VINE
(Ipomea Quamoclit)

A beautiful annual climber, with delicate, dark-green, feathered foliage, and an abundance of bright, star-shaped blossoms. The seed will sprout more readily if allowed to soak in lukewarm water for a few hours before sowing. Sow the seed in the open in April, or when the weather becomes warm.

- SCARLET—Pkt., 15c; ½ oz., 35c. WHITE—Pkt., 15c; ½ oz., 35c.
- MIXED COLORS—Pkt., 10c; ½ oz., 25c; oz., 40c.
- QUAMOCLIT HYBRIDA (Cardinal Climber)—Beautiful fern-like foliage and brilliant cardinal flowers. Pkt., 15c; ¼ oz., 45c.

DAHLIA

One of the best late summer and autumn flowering plants. Will bloom the first season if the seed is sown in boxes before the beginning of April. When the first pair of leaves attain a height of one inch, pot singly at a depth close to the base of the leaves. Transfer to larger pots as often as necessary to avoid giving any check. Harden off and plant outside when danger from frost is over.

- UNWIN'S DWARF HYBRIDS—A charming dwarf early flowering, semi-double strain of Dahlia in a wide range of attractive colors. Grows 2 feet tall and is as easily grown from seed as Zinnias. Pkt., 25c; ½ oz., 65c.
- COLTNESS SCARLET GEM—Brilliant single flowers in profusion on plants 18 inches in height. Fine for bedding or may be grown singly in small gardens. Pkt., 25c; ½ oz., 65c.
- DOUBLE CACTUS—Mixture from named sorts. Pkt., 35c.
- DOUBLE FINEST MIXED—Mixture from named varieties. Pkt., 35c.
- POMPON MIXED—Selected from the finest parent varieties. Pkt., 25c.
- MINIATURE MIXED—This class embraces the small size Decorative, Cactus and Hybrid Cactus types. The dainty flowers measure less than three inches in diameter, bloom profusely and have splendid keeping qualities. Pkt., 25c.
- SINGLE COLOSSAL MIXED—Pkt., 15c; ¼ oz., 45c.

DOUBLE DAISY
(Bellis Perennis)

A hardy perennial, blossoming freely all spring and summer. Plant is about 4 inches high and is valuable for borders. Sow the seed in boxes to transplant. If sown early will flower the first season.

- GIANT WHITE—Flowers are very large and the plants of vigorous growth. Pkt., 15c; ½ oz., 60c.
- GIANT ROSE—Same as the above except in color. Pkt., 15c; ½ oz., 60c.
- GIANT QUILLED ETNA—Rich red. Pkt., 25c; ⅛ oz., 75c.
- GIANT QUILLED MONTEROSA—Rose. Pkt., 25c; ⅛ oz., 75c.
- GIANT MIXED—Pkt., 15c; ½ oz., 60c; ¼ oz., \$1.00.
- LONGFELLOW—Double dark rose. Pkt., 10c; ½ oz., 40c.
- SNOWBALL—Extra Double. Clear white. Pkt., 10c; ½ oz., 40c.
- EXTRA DOUBLE MIXED—Pkt., 10c; ½ oz., 40c.
- SINGLE LAWN DAISY—Pkt., 15c; ½ oz., 50c.

SHASTA DAISY

A fine perennial plant bearing large white single blossoms with yellow centers; an excellent cut flower and admired everywhere. Soak seed in warm water overnight before sowing. Sow in boxes and transplant when well started.

- ALASKA—The best variety. Pkt., 15c; ½ oz., 35c; ¼ oz., 65c.
- GIANT DOUBLE—(Variable). Pkt., 35c.



Delphinium, Hollyhock or Wrexham Strain

DELPHINIUM
(Perennial Larkspur)

One of the most popular perennials for garden display and for cutting. Seeds sown in beds or in boxes any time from June to November will bloom the following season.

- AZURE FAIRY—An annual type with large azure-blue blossoms. Forms a compact free flowering bush about 1 foot high. Pkt., 15c; ½ oz., 40c; ¼ oz., 70c.
- BLUE BUTTERFLY—Intense deep blue, same habit of growth as Azure Fairy. Pkt., 15c; ½ oz., 40c; ¼ oz., 70c.
- BELLADONNA IMPROVED (Special Strain)—Beautiful light turquoise-blue and a continuous bloomer. Larger flowered and a stronger grower than the original Belladonna. Pkt., 20c; ¼ oz., 65c.
- BELLAMOSUM—Rich deep blue. The standard cut-flower variety. Pkt., 20c; ⅛ oz., 65c.
- CARDINALE—This is the Southern Scarlet Larkspur, growing 3 to 5 feet high and blooming in June and July. Pkt., 15c; ½ oz., 60c.
- SUMMER CLOUD—Long spikes of pure white flowers with an occasional light blue. 4 feet. Pkt., 35c; ⅛ oz., 65c.
- HOLLYHOCK or WREXHAM STRAIN—A magnificent strain which produces enormous spire-like spikes of large single and double blooms in a very rich assortment of blue and pastel shades. Mixture—Pkt., 35c; ⅛ oz., 85c.
- WREXHAM ART SHADES—Pkt., 50c; ⅛ oz., \$1.25.
- WREXHAM DEEP BLUE SHADES—Pkt., 50c; ⅛ oz., \$1.25.
- WREXHAM LIGHT BLUE SHADES—Pkt., 50c; ⅛ oz., \$1.25.
- Collection of one packet each of the above 3 colors for \$1.25.
- HALLAWELL'S IMPROVED HYBRIDS—A specially selected strain with large handsome flower spikes; contains all colors from lightest to deepest blue. Pkt., 20c; ½ oz., 75c.
- GOLD MEDAL HYBRIDS—Rich blue of various shades, grows 3 to 4 feet high. Pkt., 10c; ¼ oz., 75c.

DIANTHUS

ANNUAL PINKS

Hardy annuals, about 1 foot high, and bearing beautifully colored, single and double blossoms in profusion all summer. Sow seed from September until May in boxes to transplant. Seed may also be sown in spring in the open in rows where the plants are to remain.

HEDDEWIGI, FL. PL. (Japan Pink)—Large double flowers, fine colors. Mixed. **Pkt., 10c; ¼ oz., 25c.**

CHINENSIS (Indian Pink)—Finest double mixed. **Pkt., 10c; ¼ oz., 25c.**

LACINIATUS—Finest single fringed variety, in choice colors. **Pkt., 15c; ¼ oz., 35c.**

DIADEMATIS (Double Diadem Pink)—Fine mixed. **Pkt., 10c; ¼ oz., 30c.**

MOURNING CLOAK—Double deep blackish crimson, with white edge. **Pkt., 10c; ¼ oz., 35c.**

CRIMSON BELLE—Single, brilliant crimson. **Pkt., 10c; ¼ oz., 30c.**

FIREBALL—Double rich scarlet; compact. **Pkt., 15c; ¼ oz., 40c.**

SNOWBALL—Double fringed white. **Pkt., 10c; ¼ oz., 40c.**

SALMON KING—Double brilliant salmon-rose. **Pkt., 15c; ¼ oz., 60c.**

SWEET WIVELSFIELD—This new hardy annual Dianthus resembles a Sweet William but the flowers are larger and carried more gracefully in loose heads; it has a much wider range of coloring, the predominating colors are reds, pinks and crimsons. Grows about 12 inches in height and is excellent for cutting. Seed may be sown either in the fall or spring in boxes to transplant or in the open ground. **Pkt., 15c; ¼ oz., 40c.**



Annual Dianthus



Dianthus, Plumarius Cyclops

PERENNIAL PINKS

Hardy perennial, low-growing Pinks, extensively used for borders, edgings and rockeries. The Plumarius type has a delightful spicy odor and all varieties are free flowering. Seed sown in boxes in the early summer or fall will bloom the following season.

CAESIUS (Cheddar Pink)—A splendid rock plant, forming dense tufts 3 inches high with bright pink colored flowers in May and June. **Pkt., 15c; ¼ oz., 50c.**

DELTOIDES BRILLIANT (Maiden Pink)—A charming creeping variety for the rock garden, with rich rosy crimson flowers in June and July. **Pkt., 15c; ⅛ oz., 50c.**

DELTOIDES MAJOR STERN'S VARIETY—Bright crimson flowers and dark foliage. **Pkt., 25c; ⅛ oz., 75c.**

LATIFOLIUS ATROCOCCINEUS FL. PL. (Everblooming Hybrid Sweet William)—This is a cross between an Annual Pink and Sweet William, combining the free and continuous blooming qualities of the former with the hardiness of the latter; color is an intense velvety crimson-scarlet. **Pkt., 15c; ¼ oz., 50c.**

PLUMARIUS CYCLOPS (Clove Pink)—Large single and semi-double fringed flowers in various rose and red shades with clove-like fragrance; produced in great abundance. **Pkt., 15c; ⅛ oz., 35c; ¼ oz., 60c.**

PLUMARIUS DOUBLE MIXED (Double Clove Pink)—Double and semi-double flowers in various colors; fragrant. **Pkt., 15c; ⅛ oz., 45c; ¼ oz., 75c.**

PLUMARIUS NANUS DOUBLE MIXED (Double Clove Pink)—Dwarf double flowers in various colors, 1 foot high. **Pkt., 15c; ⅛ oz., 50c.**

PLUMARIUS DOUBLE WHITE—Very fragrant. **Pkt., 20c; ⅛ oz., 75c.**

PLUMARIUS (Pheasant's Eye Pink)—A single Clove Pink with fringed edged flowers in various colors, fragrant. **Pkt., 10c; ¼ oz., 25c.**

DIASCIA BARBERAE

A very attractive little plant, blooming freely in summer. The flowers have two short spurs and are a beautiful salmon-pink. It is a fine rock plant and also makes a good pot plant for indoor use; hardy perennial. Sow the seed in boxes to transplant; will bloom the first year if sown early. **Pkt., 15c; ⅛ oz., 50c.**

DIDISCUS COERULEA

(Blue Lace Flower)

This annual should be grown extensively for cutting purposes. The plants grow 18 to 24 inches high, flowers are light blue in flat clusters 2 to 3 inches across and are borne on long stout stems. Sow seeds in early spring in boxes to transplant. The seeds may also be sown in the open in rows in late spring and thinned out to 8 inches. **Pkt., 15c; ¼ oz., 50c.**



Dimorphotheca Aurantiaca

DIMORPHOTHECA

(The African Golden Daisy)

This half hardy annual of neat branching habit grows 12 to 15 inches high, and is exceedingly profuse in flowering. The Marguerite-like blossoms are a rich, glossy color, 2½ inches in diameter. Sow the seed in early spring in boxes to transplant or later in the open and thinned as necessary.

- AURANTIACA—Orange. Pkt., 15c; ¼ oz., 50c.
 AURANTIACA GOLDEN WEST—Pkt., 15c; ¼ oz., 50c.
 AURANTIACA SALMON BEAUTY—Pkt., 15c; ¼ oz., 50c.
 AURANTIACA HYBRIDS—Various shades of white, yellow, orange and salmon. Pkt., 10c; ⅓ oz., 25c; ¼ oz., 40c.
 EKLONIS (Perennial)—Pure white flowers with blue disc, on long stems. Height 2 feet. Pkt., 15c; ⅓ oz., 60c.

DOLICHOS

(Hyacinth Bean)

A rapid-growing annual climber; flowers freely in erect racemes, followed by ornamental seed pods. Sweet scented. Sow the seed in the open ground in April or May.

- WHITE, PURPLE or MIXED—Per pkt., 10c; ½ oz., 35c.

EUPHORBIA

Half hardy annuals suitable for beds of tall growing plants or mixed borders; the flowers are inconspicuous but the foliage is very ornamental. Sow the seeds in boxes in spring and transplant to the open ground when danger from frost is over.

- HETEROPHYLLA (Annual Poinsettia, Mexican Fire Plant)—The plants grow 2 to 3 feet high, of branching habit, with smooth, glossy, green leaves which become a bright scarlet in summer. Thrives in warm localities only. Pkt., 10c; ¼ oz., 35c.
 VARIEGATA (Snow on the Mountain)—Attractive foliage veined and margined with white. Pkt., 10c; ¼ oz., 25c.

EXACUM AFFINE

A beautiful rich blue; sweet scented. A most elegant plant for pots. Seed sown in the greenhouse in March will make specimen plants in 5-inch pots in summer; for larger specimens, sow in August. Pkt., 35c.

ESCHSCHOLTZIA

(California Poppy)

A hardy annual. Sow seed where the plants are to remain, as they do not transplant easily. Seed may be sown from September to early spring.

- AURANTIACA ORANGE (True California Poppy)—A selected type of the common variety, being a deep rich orange. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.
 CRIMSON—Deep crimson. Pkt., 10c; ¼ oz., 25c; oz., 75c.
 CHROME QUEEN—Clear chrome-yellow. Pkt., 10c; ¼ oz., 25c.
 GEISHA—Orange crimson, inside petals rich golden orange. Pkt., 15c; ¼ oz., 40c.
 LOVELY—Rose pink suffused salmon. Pkt., 15c; ¼ oz., 40c.
 PURPLE GLOW—Bright reddish purple. Pkt., 15c; ¼ oz., 40c.
 SCARLET BEAUTY—Vivid, deep scarlet. Pkt., 15c; ¼ oz., 40c.
 VESUVIUS—Glistening Wallflower-red. Pkt., 10c; ¼ oz., 30c.
 WHITE—Ivory white. Pkt., 10c; oz., 40c.
 Collection of the above 9 sorts, 85c.
 BRILLIANT MIXED—Rich in shades of crimson, pink and orange-scarlet. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.
 NEW HYBRIDS MIXED—New, large flowering, erect type, containing a large percentage of new shades in Eschscholtzias. Pkt., 15c; ¼ oz., 40c; oz., \$1.25.

FORGET-ME-NOT

(Myosotis)

A hardy perennial of easy culture which thrives best in a cool, moist location; grows 6 to 12 inches high. Sow seed in summer or fall for next season's bloom.

- ALPESTRIS—Blue. Pkt., 10c; ¼ oz., 35c; oz., \$1.00.
 INDIGO or ROYAL BLUE—A rich dark indigo-blue color. Pkt., 10c; ¼ oz., 50c.
 WHITE—Pkt., 10c; ¼ oz., 35c.
 PINK—Pkt., 10c; ¼ oz., 50c.
 BLUE PERFECTION—Beautiful dwarf indigo-blue, very compact. Pkt., 15c; ⅓ oz., 60c.
 OBLONGATA PERFECTA—Large dark blue flowers on long stems. Suitable for winter-blooming. Pkt., 15c; ⅓ oz., 45c.
 VICTORIA—Large sky-blue flowers, dwarf habit. Pkt., 15c; ⅓ oz., 50c.
 ROBUSTA GRANDIFLORA—Strong grower, with clear blue flowers, 10 inches tall. Pkt., 15c; ⅓ oz., 40c.
 PALUSTRIS SEMPERFLORENS—Dwarf blue variety, continuing in bloom from early spring until autumn. Pkt., 15c; ⅓ oz., 60c.

FOUR O'CLOCK

(Marvel of Peru)

Free flowering garden favorite usually treated as an annual; forms bushy plants 2 feet in height. The flowers open in the late afternoon, remaining expanded until the next morning. Mixture; Pkt., 10c; oz., 20c; ¼ lb., 50c.

FOXGLOVE

(Digitalis)

Handsome hardy biennials and perennials of stately growth with long spikes of various colored flowers; fine for shrubberies and half shady places. Seed sown in boxes or in the open in a cool place any time in the summer to early fall will bloom the following season.

- GLOXINIAEFLORA—Improved Strain of the ordinary variety: ROSE—Pkt., 15c. PURPLE—Pkt., 15c. WHITE—Pkt., 15c.
 MIXED—Pkt., 10c; ¼ oz., 30c.
 GIANT SHIRLEY—The plants of this new strain attain a height of 5 to 7 feet with spikes 3 to 4 feet long, carrying flowers of giant size, ranging in color from white to dark rose and handsomely blotched and spotted. Pkt., 15c; ¼ oz., 35c.
 LUTZII HYBRIDS—A new hybrid variety with long spikes of charming pale apricot colored flowers. Perennial, 6 feet high. Pkt., 15c; ⅓ oz., 40c.

FREESIA

HYBRIDA TUBERGENII—Large flowered hybrids in a great variety of richest shades. They will bloom the following spring if the seed is sown before the first of September. Pkt., 25c; ⅓ oz., 50c.

- REFRACTA ALBA PURA—Pure white. Pkt., 15c; ¼ oz., 35c.



Double Annual Gaillardias

GAILLARDIA

A very showy garden plant, with brilliant flowers in scarlet and yellow, blended and shaded. Blooms freely from early summer till autumn. Grows 1½ to 2 feet high. Seed of the annual varieties may be sown from February to May. Perennial varieties will bloom the first season if sown early, but it is advisable to sow in summer or fall to insure strong plants for next season's blooming.

FINE SINGLE MIXED, ANNUAL—Pkt., 10c; ¼ oz., 25c.

DOUBLE MIXED, ANNUAL (*Picta Lorenziana*)—Pkt., 10c; ¼ oz., 25c.

PORTOLA HYBRIDS, PERENNIAL—Semi-double blooms of magnificent size, with broad overlapping petals golden tipped around glowing centers of bronzy red. Pkt., 15c; ½ oz., 40c.

GRANDIFLORA SUPERB MIXED—A choice strain of the single perennial variety in varying shades of reddish brown and yellow. Pkt., 10c; ¼ oz., 35c.

GERANIUM

ZONALE—A half hardy perennial, flowering the first year from seed sown early. Choice Mixed. Pkt., 20c; ⅛ oz., 50c.

GERBERA

(Transvaal Daisy)

The large Marguerite-like flowers come in all shades of pink, salmon, red and yellow and are borne on long, stiff, straight, stems. They require a warm, sunny position, good drainage and protection from frost. Sow in seed boxes in light soil and transplant when large enough to handle. Pkt., 25c; 100 seeds, 75c.

GESNERIA

(*Naegelia*)

Profuse blooming greenhouse plants. The flowering spikes are thrown up in great abundance and carry numerous bright, pendulous flowers, including pure white, yellow, salmon-pink, orange, rose, carmine and rich crimson. **Finest Hybrids.** Pkt., 50c.

GEUM

MRS. BRADSHAW—A showy hardy perennial with large double brilliant scarlet flowers borne on long stems. Useful for cutting as well as for growing in borders. Pkt., 15c; ⅛ oz., 50c.

LADY STRATHEDEN—Fine rich golden yellow flowers which match in other respects the popular scarlet variety, Mrs. Bradshaw. Pkt., 15c; ⅛ oz., 60c.

MIXED—Mixture of the above two varieties. Pkt., 15c; ⅛ oz., 50c.

GILIA

Hardy annual California wild flower. Sow the seed in the open either in the fall or spring.

CAPITATA, "BLUE GILIA"—A slender branching plant 1½ to 2½ feet high; flowers light blue in dense globular heads. Pkt., 10c; ½ oz., 25c; oz., 40c.

MICRANTHA, "FAIRY STARS" (*Leptosiphon*)—A charming little annual 12 inches or less in height, covered with tiny single star-like flowers in pastel shades. Pkt., 15c; ¼ oz., 35c.

TRICOLOR, "BIRDS' EYES"—Flowers pale lilac, yellow toward the center with five purple spots; 9 to 12 inches high. Pkt., 10c; ½ oz., 25c; oz., 40c.

GLOXINIA

Beautiful hothouse plants with large velvety bell-shaped blossoms, of rich and brilliant coloring. The seed may be sown in the fall or early spring.

HYBRIDA GIGANTEA—A superb strain containing the spotted hybrids as well as the self-colored sorts. Pkt., 50c.

GOMPHRENA

(Globe Amaranth)

A half hardy annual everlasting or straw flower, growing about 8 inches high with flowers which resemble large clover heads and can be dried and used in winter bouquets.

MIXED COLORS—Pkt., 10c; ¼ oz., 20c; oz., 60c.

ORANGE—Known as "Strawberry Flower." Pkt., 10c; ¼ oz., 25c.

GOURDS

Excellent for covering verandas or trellis work and for training over arbors, fences, etc. Sow outside where they are to remain, when the ground becomes warm.

AFRICAN PIPE—The stem end of the fruits is used in making Calabash pipes. Pkt., 10c.

APPLE-SHAPED—Beautifully striped; small. Pkt., 10c.

CHINESE BOTTLE—Pkt., 10c.

CHINESE LUFFA (Sponge or Dish-Rag)—Pkt., 10c.

DIPPER or SIPHON—Makes a convenient dipper. Pkt., 10c.

HERCULES CLUB—Club-shaped fruits, 4 feet long. Pkt., 10c.

NEST EGG—White like an egg; small. Pkt., 10c.

ORANGE-SHAPED (Mock Orange)—Small. Pkt., 10c.

PEAR-SHAPED—Striped yellow and green; small. Pkt., 10c.

SPOON—Small ball-shaped fruit with a slender neck, deep orange. Pkt., 10c.

TURBAN—Odd brightly colored fruit. Pkt., 10c.

WARTED—All shapes; small. Pkt., 10c.

Each of above: ½ oz., 25c; oz., 45c.

Collection of 6 packets of any of the above varieties, 50c.

SMALL FRUITED VARIETIES MIXED—Pkt., 10c; oz., 35c.

MIXED—All varieties. Pkt., 10c; ½ oz., 20c; oz., 30c.

"How to Raise Flowers from Seed"—Inside Front Cover

GODETIA

Of all the hardy garden annuals, few are more lovely than the Godetia. It is exceedingly showy in beds and masses, and the satiny flowers last well after cutting. Sow the seed in the open ground in the fall for early bloom, or in the spring until June for later flowering.

DOUBLE VARIETIES

Of distinct and graceful habit, producing long sprays of beautiful large, double flowers, which are fine for cutting and excellent for the border. Height, 2 feet.

DOUBLE CARMINE—Bright carmine flowers, edged more or less with white. **Pkt., 10c; ¼ oz., 35c.**

DOUBLE CHERRY RED—A beautiful rich color. **Pkt., 10c; ¼ oz., 35c.**

DOUBLE MAUVE—An attractive shade of clear pinkish mauve. **Pkt., 10c; ¼ oz., 35c.**

DOUBLE ROSY MORN—A beautiful bright pink color. **Pkt., 10c; ¼ oz., 35c.**

DOUBLE WHITE—Pure white. **Pkt., 10c; ¼ oz., 35c.**
Collection of one packet each of the above 5 sorts, 45c.

DOUBLE MIXED—**Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.**

SINGLE VARIETIES

DUKE OF YORK—Satiny crimson-carmine. Height 18 inches and splendid for cutting. **Pkt., 10c; ¼ oz., 35c.**

KELVEDON GLORY (New)—Glowing salmon orange. A fine bedding and cutting variety. Height 18 inches. **Pkt., 25c; ½ oz., 75c.**

LORD ROBERTS—Darkest glowing red with white base; very fine, of compact habit. **Pkt., 10c; ¼ oz., 35c.**

ROSAMOND—Large glossy pink; compact. **Pkt., 10c; ¼ oz., 35c.**

SYBIL SHERWOOD—Bright salmon-pink softened by an undefined edging of white; 18 inches. **Pkt., 15c; ¼ oz., 50c.**

WHITE SWAN—Pure satiny white. **Pkt., 15c; ¼ oz., 45c.**

SEMI-DWARF VARIETIES—Splendid mixture of brilliant colors. **Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.**



Double Godetia

GYPSOPHILA

(Baby's Breath)

A free flowering plant of easy culture. Grows 2 to 3 feet high, and bears a profusion of small star-shaped flowers. Sow the seed of the annual varieties in the open any time in the fall until early summer. Seeds of the perennial varieties should be started from early summer until fall for next season's bloom. Sow in boxes to transplant.

ELEGANS GRANDIFLORA—Improved annual white sort. Very largely grown by florists for use in bouquets. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

ELEGANS CARMINEA—A free-flowering variety with carmine-rose blossoms; 2 to 3 feet tall. **Pkt., 10c; oz., 35c.**

PANICULATA—Fine for bouquets; white flowers; perennial. **Pkt., 10c; ¼ oz., 25c.**

PANICULATA, DOUBLE SNOW WHITE—A fine double white flowering perennial sort. **Pkt., 25c; ¼ oz., 75c.**

HELICHRYSUM

A free flowering, hardy annual, growing 2 to 3 feet high and bearing beautiful straw-like flowers in a great variety of shades and colors. The stems are long and the blossoms large. It is the best and most satisfactory of the everlasting flowers and makes a very handsome dried bouquet. Sow the seed in boxes in early spring or in the open ground later in spring and thin out to at least 1 foot apart.

CANARY YELLOW. **SALMON.**
FIREBALL—Bright scarlet. **SILVER BALL**—Pure white.
GOLDEN BALL—Bronze **ROSE QUEEN**—Rich deep rose.
shading to golden yellow.

Each of above: **Pkt., 15c; ¼ oz., 35c.**

Collection of the above 6 sorts, 75c.

MONSTROSUM—Extra fine mixed. **Pkt., 10c; ¼ oz., 25c.**

HELIOPSIS

(Orange Sunflower)

PITCHERIANA—A hardy perennial growing 2 to 4 feet high, beginning to flower early and continuing the entire season. The flowers are deep golden yellow about 2 inches in diameter; of thick texture and very graceful for cutting. **Pkt., 10c; ¼ oz., 40c.**

HELIOTROPE

A half hardy perennial of very free flowering habit. The small flowers are borne in graceful clusters and are very fragrant. Blooms the first season from seed if sown early. Plant out after danger from frost.

REGAL (Dwarf Giant Flowered Heliotrope)—A very fine improved variety of dwarf habit with immense heads of flowers in various shades of blue. **Pkt., 20c; ½ oz., 50c.**

FINEST MIXED—A choice mixture. **Pkt., 15c; ½ oz., 40c.**

HEUCHERA

(Coral Bells)

SANGUINEA SPLENDENS—A low growing hardy perennial plant with heart-shaped leaves, which form a low clump 6 to 8 inches high and bearing during early summer, loose graceful sprays of coral-red flowers in great profusion; suitable for the border or rockery. **Pkt., 25c; ½ oz., 85c.**

HIBISCUS

(Rose Mallow)

Shrub-like hardy perennial plants, 5 to 6 feet high with luxuriant foliage, producing throughout summer saucer shaped flowers of enormous size.

GIANT VARIETIES—RED, PINK, WHITE, (carmine eye)—Any of the above. **Per pkt., 10c; ¼ oz., 30c.**

GIANT MIXED—**Pkt., 10c; ¼ oz., 25c.**

GOLDEN BOWL—A half hardy perennial variety; flowers deep cream with velvety maroon center. 3 to 5 feet high. **Pkt., 10c; ¼ oz., 30c.**

HOLLYHOCK

Hollyhocks make a fine row in a garden, or a good background next to a building or high fence. These hardy perennials are of upright, stately growth, 5 to 8 feet high and flower in summer and fall.

DOUBLE VARIETIES — BRIGHT RED, CANARY YELLOW, ROSE-PINK, MAROON, NEWPORT PINK (Pure Pink), WHITE, SALMON-ROSE.

Any of the above. **Per pkt., 15c; ¼ oz., 65c.**

Collection of the above 7 sorts, 85c.

DOUBLE, ALL COLORS MIXED—**Pkt., 10c; ¼ oz., 60c.**

TRIUMPH MIXED—A new, early flowering strain containing a great variety of new colors. The double and semi-double flowers are gracefully waved and fringed. **Pkt., 15c; ½ oz., 45c.**

ALLEGHENY FRINGED — The large flowers are single and beautifully fringed. All colors mixed. **Pkt., 10c; ¼ oz., 40c.**

SINGLE MIXED—**Pkt., 10c; ¼ oz., 25c.**

HONESTY

SATIN FLOWER (Lunaria)—The flat silvery seed pods are used for winter decoration. Free-flowering, hardy biennial. 2 feet. Sow seeds in the open in partial shade in summer or early fall. **Pkt., 10c; ¼ oz., 30c.**

HUMULUS

(Japanese Hop)

A rapid-growing, half hardy climbing annual with dense leaves. Will grow 20 to 30 feet in a season. Sow in the open from March to May.

JAPONICUS—Bright green foliage. **Pkt., 10c; ½ oz., 25c.**

JAPONICUS VARIEGATUS—Variegated foliage. **Pkt., 10c.**

HUNNEMANNIA

(Bush Eschscholtzia)

Seed sown in the open in April or early in May will, by the middle of July, produce plants covered with their large buttercup yellow, Poppy-like blossoms, and never out of flower until hard frost. The plants grow about 2 feet high, are quite bushy, with beautiful feathery glaucous foliage. Fine for cutting, remaining in good condition for several days.

FUMARIAEFOLIA—The original single form which has become known as the Santa Barbara Poppy. **Pkt., 10c; ¼ oz., 35c.**

SUNLITE—An attractive semi-double form. **Pkt., 15c; ¼ oz., 50c.**

IMPATIENS

(Zanzibar Balsam)

HOLSTII HYBRIDS—A very attractive plant for pot culture. The branches are semi-transparent and the foliage is waxy green. A very free and continuous bloomer. Flowers come in different shades of pink, red and purplish violet. Sow in pots in a temperature of 60 degrees. **Pkt., 20c.**

SULTANI—Brilliant rosy scarlet. **Pkt., 20c.**

IPOMOEA

Ornamental climbers of rapid growth. Sow seeds in the open where they are intended to grow, in late spring after danger from frost. The seeds should be notched and soaked in warm water for a few hours before planting.

GRANDIFLORA (Moonflower)—At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers, 5 to 6 inches in diameter. It grows very rapidly and will cover a large surface. **Pkt., 10c; ½ oz., 30c.**

HEAVENLY BLUE (Improved)—Large sky blue flowers, free bloomer and very beautiful. **Pkt., 15c; ¼ oz., 40c.**

IMPERIALIS—See under Morning Glory.

ROSE MARIE (New)—An early free flowering form of Ipomoea. Flowers are a beautiful shade of deep rose of double and semi-double form. **Pkt., 15c; ¼ oz., 35c.**

KENILWORTH IVY

(Linaria Cymbalaria)

A hardy perennial trailing plant, with small lavender or purple flowers, especially adapted for hanging baskets or for trailing over walls. Sow the seed in boxes to transplant. **Pkt., 15c; ⅛ oz., 50c.**

LARKSPUR

Exceedingly popular and free flowering hardy annuals, growing 3 to 4 feet high, their long spikes of flowers on long stems rendering them of exceptional value for cutting purposes. They are of long continued bloom and very bright and showy. Sow in the fall or spring. Seed is slow in germinating, often taking 6 weeks or longer.

GIANT IMPERIAL LARKSPURS

A greatly improved strain of the Double-Stock Flowered Larkspur, of upright habit and branching from the base.

BLUE BELL—Clear light blue. **Pkt., 15c; ¼ oz., 40c.**

BLUE SPIRE—Intense deep blue. **Pkt., 15c; ¼ oz., 40c.**

CARMINE KING—Deep carmine-rose. **Pkt., 15c; ¼ oz., 40c.**

DAINTINESS—Delicate lavender. **Pkt., 15c; ¼ oz., 40c.**

EXQUISITE PINK IMPROVED—Soft pink shaded salmon. **Pkt., 15c; ¼ oz., 40c.**

EXQUISITE ROSE—A beautiful shade of rose, several tones deeper than the preceding variety. **Pkt., 15c; ¼ oz., 40c.**

GLORIA—Deep rose. **Pkt., 15c; ¼ oz., 40c.**

LILAC SPIRE—A beautiful lilac color. **Pkt., 15c; ¼ oz., 40c.**

MISS CALIFORNIA—Deep pink shaded salmon. **Pkt., 15c; ¼ oz., 40c.**

WHITE KING—Glistening white. **Pkt., 15c; ¼ oz., 40c.**

WHITE SPIRE—Pure white. **Pkt., 15c; ¼ oz., 40c.**

Collection of 6 packets of any of the above varieties for 75c.

SUPERB MIXED—**Pkt., 15c; ¼ oz., 40c; ½ oz., 70c; oz., \$1.25.**

DOUBLE STOCK FLOWERED MIXED—**Pkt., 10c; ¼ oz., 25c; oz., 65c.**



Larkspur

KOCHIA

(Summer Cypress)

TRICOPHYLLA—A half hardy annual, forming compact bushes about 2½ feet in height, with small feathery light green drooping foliage, which changes, as the summer advances, to a deep green, and to a crimson hue in September. Sow the seed in the spring and thin or transplant to 2 feet apart when well started. **Pkt., 10c; ½ oz., 25c; oz., 40c.**

LATHYRUS

(Perennial or Everlasting Pea)

LATIFOLIUS—A hardy perennial climber. Leaves and stem smooth. Flowers resemble Sweet Peas, but are borne on strong stems, with 8 to 10 blossoms to the stem. Is not fragrant, but is hardy and showy, and thrives in any good soil.

CRIMSON, PINK BEAUTY or WHITE PEARL. Each; **Pkt., 15c; ¼ oz., 30c.**

MIXED—Pkt., 10c; ¼ oz., 25c.

LAVATERA

(Mallow)

SPLENDENS SUNSET—A showy and free flowering hardy annual 3 to 4 feet tall. Brilliant rosy carmine flowers. Splendid for large beds where they bloom all summer; fine for cutting. Sow from March to May where they are to bloom and thin out to 12 inches apart. **Pkt., 10c; ¼ oz., 25c.**

LAVENDER

(Lavandula Vera)

Chiefly cultivated for the delicious and lasting fragrance of its flower; succeeds in any common garden soil. Perennial. **Pkt., 10c; ¼ oz., 45c.**

LEPTOSYNE

(Sea Dahlia)

MARITIMA—A profuse blooming half hardy annual with large lemon-yellow Marguerite-like flowers on long stems, good for cutting; 2 feet. Requires a sunny situation. Sow from February to June. **Pkt., 10c; ¼ oz., 40c.**

LILIUM

PHILIPPINENSE FORMOSANUM (Dream Lily)—A fine garden Lily with large white flowers of the Easter Lily type, slightly marked externally with reddish brown. **Pkt., 25c.**

REGALE—The trumpet-shaped flowers are white, slightly suffused pink with a beautiful shade of canary yellow at the center. Hardy and delightfully fragrant. **Pkt., 15c; ¼ oz., 50c.**

LINARIA

MAROCCANA—Showy hardy annuals with small Snapdragon-shaped flowers. Grows 12 to 15 inches tall; desirable for edgings and rockeries. Sow the seed in the open ground in the fall for early bloom or any time in spring until July for later flowering.

Carmine Shades	Crimson and Gold	Lavender Shades
Chamois Shades	Golden Gem	Snow White

Each of above: **Pkt., 15c; ¼ oz., 35c.**

Collection of one packet each of above 6 colors for **75c.**

EXCELSIOR MIXED—Pkt., 10c; ¼ oz., 25c; oz., 75c.

FAIRY BOUQUET (New)—Compact plants 10 to 12 inches in height. Large flowers in a wide range of distinct colors. A gem for the border or rock garden. **Pkt., 15c; ¼ oz., 60c.**

LYCHNIS

Hardy perennial growing about 3 feet high and bearing bright-colored flowers in clusters. Of easy culture. Fine for permanent beds and borders. Sow the seed in boxes or in a hotbed to transplant.

ARKWRIGHTII—This new hybrid attains a height of 30 inches and produces an abundance of large flowers of brilliant colors varying from orange-scarlet to soft salmon-pink. **Pkt., 20c; ½ oz., 50c.**

CHALCEDONICA—Scarlet flowers. **Pkt., 10c; ¼ oz., 30c.**

HAAGEANA HYBRIDS—Mixed colors. **Pkt., 15c; ¼ oz., 50c.**



Linaria, Excelsior

LINUM

(Flax)

RUBRUM (Scarlet Flax)—A hardy annual, about 1½ feet high. Of slender and graceful appearance, with smooth stems and bright red flowers which are borne in great profusion. Sow from February to June out of doors. **Pkt., 10c; oz., 35c.**

PERENNE—Bright blue, 18 inches tall; hardy perennial. **Pkt., 10c; ¼ oz., 25c.**

NARBONENSE—Azure-blue with white eye. Forms a spreading clump; fine for the rockery; perennial. **Pkt., 20c; ¼ oz., 50c.**

LOBELIA

A half hardy annual, growing 4 to 6 inches high; is of compact growth, and literally covered with small bright flowers. By cutting back the plants during the summer and giving plenty of water, they may be kept in flower for a long season. Used for ribbon work and borders or hanging baskets. Sow the seed in boxes from November to May and transplant when well started.

CAMBRIDGE BLUE (New)—Fine light blue flowers, compact habit, 6 inches; very free blooming. **Pkt., 25c; ¼ oz., 50c.**

CELESTIAL BLUE—Bright blue flowers with tiny white throats; foliage green; dwarf compact and very free flowering. **Pkt., 10c; ¼ oz., 40c.**

CRYSTAL PALACE COMPACTA—The variety most used for borders; deep blue flowers and dark foliage; 6 inches; a constant bloomer. **Pkt., 15c; ¼ oz., 50c.**

BLUE EMPEROR—Sky blue; compact. **Pkt., 15c; ¼ oz., 45c.**

GRACILIS—Light blue; trailing. **Pkt., 10c; ¼ oz., 35c.**

KERMESINA COMPACTA—A pretty crimson color with large white eye; very compact. **Pkt., 25c; ¼ oz., 50c.**

SAPPHIRE—A superb variety of pendulous habit; large deep blue flowers with conspicuous white eye; suitable for window boxes and hanging baskets. **Pkt., 15c; ¼ oz., 35c.**

SPECIOSA—Deep blue; trailing, dark foliage. **Pkt., 10c.**

TENUIOR—Of upright habit; about 15 inches high, with large, deep blue flowers. Useful for pots. **Pkt., 15c; ¼ oz., 35c.**

WHITE LADY (Compacta)—Snow white. **Pkt., 15c; ¼ oz., 60c.**

CARDINALIS (Queen Victoria)—A perennial sort growing 18 to 24 inches tall with spikes of deep crimson flowers; foliage, dark red. Succeeds best in moist ground. **Pkt., 35c.**



Marigold, Guinea Gold

LUPINE

Hardy annuals and perennials in great variety, growing from 1 to 4 feet high, and bearing spikes of Pea-shaped flowers. Sow in the open ground and thin to 6 inches apart.

ANNUAL SORTS

(Height, 2 feet)

WHITE, DARK BLUE, SKY BLUE, ROSE—Each; Per pkt., 10c; ½ oz., 25c; oz., 50c.

ANNUAL SORTS—Mixed. Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

GIANT MIXED—An improved type, 3 to 4 feet tall. Pkt., 15c; ¼ oz., 25c.

NANUS—A showy California wild flower, 10 to 15 inches high; flowers rich blue with white markings. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

PERENNIAL SORTS

(Height, 4 feet)

NEW RUSSELL LUPINS—An English introduction said to be the last word in perennial Lupins, and to contain a wonderfully complete range of colors. Awarded the Gold Medal of the R. H. S. in June, 1937. Pkt. of 12 seeds, 25c; pkt. of 50 seeds, 65c.

POLYPHYLLUS BLUE OR WHITE—Pkt., 10c; ¼ oz., 25c.

POLYPHYLLUS MOORHEIMI—Pink and white. Pkt., 15c; ¼ oz., 40c.

POLYPHYLLUS NEW REGAL HYBRIDS—Tall, perennial variety in various colors. Pkt., 15c; ¼ oz., 50c.

MATHIOLA

BICORNIS (Evening-Scented Stock)—This hardy annual has purplish lilac flowers on long spikes, but is grown only for its fragrance, which it emits in the evening. 1 foot tall. Sow in the open any time in the fall until May. Pkt., 10c; ¼ oz., 25c.

MATRICARIA

(Feverfew)

Free-flowering hardy perennial plants with small double button-like flowers. Sow seed in boxes to transplant from September to March.

GOLDEN BALL—Compact habit; suitable for edging; small double yellow flowers. Pkt., 15c; ¼ oz., 50c.

MARIGOLD

(Tagetes)

No garden is complete without Marigolds. They are easy to grow and bloom profusely from midsummer until after the first light frost. Sow in boxes to transplant from February to May.

CROWN OF GOLD—New Collarette type with Chrysanthemum-like crown. The color is bright golden orange and the foliage is entirely odorless. Height, 2 feet. Pkt., 15c; ¼ oz., 45c.

SUNSET GIANTS MIXTURE—Huge loosely formed, full centered flowers in shades of orange and yellow. Pkt., 25c; ¼ oz., 85c.

CHRYSANTHEMUM FLOWERED

(Height 3 feet)

ORANGE—Medium sized flowers with incurved petals, but without the drooping guard petals characteristic of the Crown of Gold type. Pkt., 25c.

YELLOW—Identical to the above except in color. Pkt., 25c.

CHRYSANTHEMUM FLOWERED HYBRIDS—Medium sized flowers in shades of orange and yellow, varying in type from the incurved to those having imbricated flat outer petals with quilled florets in the center. Pkt., 20c; ¼ oz., 75c.

CALIFORNIA DOUBLE

(Height 3 feet)

GOLDEN DAWN—Medium sized flowers, light golden orange in color, and similar to Guinea Gold but with petals more wavy. Pkt., 20c; ¼ oz., 75c.

MOONBEAM—Clear lemon yellow; identical to the above in other respects. Pkt., 20c; ¼ oz., 75c.

GUINEA GOLD—Semi-double flowers, 2 to 2½ inches in diameter, brilliant orange in color with broad wavy petals. Pkt., 15c; ¼ oz., 40c.

DWARF FRENCH

(Height, 1 foot)

HARMONY (New)—Deep orange center with outer petals broader and dark maroon in color. Pkt., 15c; ¼ oz., 35c.

ROYAL SCOT DWARF (New)—Beautifully striped, mahogany and gold. Pkt., 25c; ¼ oz., 50c.

DWARF DOUBLE BROWN—Pkt., 10c; ¼ oz., 25c.

DWARF DOUBLE GOLDEN BALL—Pkt., 10c; ¼ oz., 30c.

MONARCH STRAIN MIXED—Pkt., 15c; ¼ oz., 35c.

DWARF DOUBLE MIXED—Pkt., 10c; ¼ oz., 25c; oz., 65c.

DWARF SINGLE FRENCH

(Height, 9 to 10 inches)

FIRE CROSS—Deep orange-yellow with a large crimson-maroon blotch on each petal. Pkt., 10c; ¼ oz., 25c.

LEGION OF HONOR—Single golden yellow flowers with velvety red centers; very dwarf. Pkt., 10c; ¼ oz., 25c.

SIGNATA PUMILA—A miniature variety forming very dwarf plants with fern-like leaves densely covered with small single orange flowers. Pkt., 10c; ¼ oz., 40c.

TALL FRENCH

(Height, 2½ feet)

ROYAL SCOT (New)—Gold, striped maroon. Pkt., 15c; ¼ oz., 50c.

TALL DOUBLE BROWN—Pkt., 10c; ¼ oz., 25c.

TALL DOUBLE LEMON—Pkt., 10c; ¼ oz., 25c.

TALL DOUBLE ORANGE—Pkt., 10c; ¼ oz., 25c.

TALL DOUBLE FRENCH MIXED—Pkt., 10c; ¼ oz., 25c; oz., 65c.

TALL SINGLE BROWN—An excellent cut flower. Pkt., 10c; ¼ oz., 25c.

AFRICAN FISTULOSA TYPE

(Large ball-shaped flowers; height, 2½ to 3 feet)

ALL DOUBLE ORANGE—An improved strain which produces practically one hundred per cent double flowers. Pkt., 15c; ½ oz., 45c.

ALL DOUBLE LEMON—Identical to the preceding variety except in color, which is a clear lemon yellow. Pkt., 15c; ½ oz., 45c.

ALL DOUBLE MIXED—Pkt., 15c; ¼ oz., 75c.

AFRICAN MIXED—Pkt., 10c; ¼ oz., 25c; oz., 75c.

MAURANDIA

BARCLAYANA—Beautiful half hardy perennial climber for either garden or greenhouse; gemmed with Gloxinia-shaped flowers in shades of rose, purple and white. Sow seed from September to March. Mixture. Pkt., 20c; ¼ oz., 45c.

MECONOPSIS

BAILEYII—The new and beautiful blue Thibetan poppy. It is a graceful plant, with downy pale green leaves, the brilliant Cambridge-blue pendant flowers, 4 inches across, being carried singly on stems about 2 feet high. Hardy perennial, thriving best in a shaded position. Seed is very slow in starting and sometimes many months may elapse before seedlings appear. **Pkt., 25c; 1/2 oz., 50c.**

MESEMBRYANTHEMUM CRINIFLORUM

(Livingstone Daisy)

Low growing annual plant of semi-spreading habit, covered with large daisy-like flowers with yellow centers, in many attractive shades. An ideal plant for edging or the rockery; succeeds in poor soil. **Pkt., 25c; 1/8 oz., 50c.**

MIGNONETTE

(Reseda)

A fragrant hardy annual which grows easily from seed sown out in the garden and thinned to 4 or 6 inches.

GOLIATH "Extra Select"—Enormous red spikes, very fragrant. **Pkt., 10c; 1/4 oz., 35c.**

GIANT FLOWERED MACHET—Broad heavy spikes closely set with large florets of a gray color, deliciously scented. **Pkt., 10c; 1/4 oz., 25c.**

HALLAWELL'S TRIUMPH—A magnificent new Mignonette of tall-branching habit, sending up numerous large spikes thickly set with brilliant red florets. Unsurpassed for cutting. **Pkt., 15c; 1/4 oz., 50c.**

SWEET SCENTED (Reseda Odorata)—The spikes are small, but very sweet scented. **Pkt., 10c; oz., 25c.**

MIMOSA PUDICA

(Sensitive Plant)

Curious pot plant with pinkish white flowers; the leaves close or droop when touched. Sow from February to May. **Pkt., 10c; 1/4 oz., 25c.**

MIMULUS

A free-flowering, half-hardy perennial, growing from 6 inches to 1 foot high. Useful for window gardens and pot work or for garden in a moist, shady situation. Blooms first year from seed if sown early.

MOSCHATUS or MUSK PLANT—Small yellow blossoms, spotted lightly with brown. **Pkt., 15c.**

QUEEN'S PRIZE—An improved strain of *M. Tigrinus* or Monkey Flower. The large flowers are spotted in various colors. **Pkt., 15c; 1/4 oz., 45c.**

MINA LOBATA

A beautiful free-blooming half hardy annual climber with scarlet and yellow flowers. Sow in the open in late spring after danger from frost. **Pkt., 15c; 1/8 oz., 50c; 1/4 oz., 85c.**

MORNING GLORY

(Convolvulus)

Annual climbers of rapid growth which bloom for a long period and delight in sun. Soak the seed for two hours in warm water to hasten germination; sow late in spring.

TALL MIXED—Attain a height of 15 feet. **Pkt., 10c; oz., 25c.**

TALL DARK BLUE—**Pkt., 10c; oz., 35c.**

IMPERIAL JAPANESE—Very large flowers in a wide range of radiant colors with odd markings. 15 to 20 feet. **Pkt., 10c; oz., 30c.**

DWARF BLUE—Beautiful intense blue flowers on a dwarf bushy plant. A fine annual for edging or rock work. 1 foot. **Pkt., 10c; oz., 40c.**

MOONFLOWER—See *Ipomoea*.

NEMOPHILA

A hardy annual California wild flower, growing about 6 inches high. Has small cup-shaped blossoms in shades of blue and white. Sow in the open ground in the fall or spring.

INSIGNIS (Baby Blue Eyes)—Sky blue with white eyes. **Pkt., 10c; oz., 30c; 1/4 lb., \$1.00; lb., \$3.00.**

DISCOIDALIS—Brownish purple with white edge. **Pkt., 10c; oz., 35c.**

MACULATA—White with large deep purple blotch on each petal. **Pkt., 10c; oz., 35c.**

MIXED—**Pkt., 10c; oz., 30c.**

NASTURTIUM

Nasturtiums prefer dry, rather rocky soil, such as we usually call "poor" soil, and bear their flowers in such locations in greater profusion than in a rich garden, where they run too much to foliage. This adds to their value for planting over many unsightly places. Do not water too much.

Sow the seed where it is to remain late in the spring after danger of frost is over. It is seldom necessary to thin the young plants, as they will bear standing close together.

DOUBLE VARIETIES

FIRE GLEAM—Fine bright-scarlet. **Pkt., 15c; oz., 30c.**

GOLDEN GLEAM—Golden yellow. The original double sweet-scented Nasturtium. **Pkt., 10c; oz., 25c; 1/4 lb., 60c.**

MAHOGANY GLEAM—Dark mahogany red. **Pkt., 15c; oz., 35c.**

ORANGE GLEAM—Glowing golden orange. **Pkt., 10c; oz., 30c.**

SALMON GLEAM (Supreme)—Salmon cerise. **Pkt., 10c; oz., 30c.**

SCARLET GLEAM—Fiery scarlet. **Pkt., 10c; oz., 30c.**

SUN GLEAM—Lemon yellow. **Pkt., 15c; oz., 35c.**

GLEAM HYBRIDS MIXTURE—**Pkt., 10c; oz., 25c; 1/4 lb., 60c.**

DWARF DOUBLE VARIETIES

GOLDEN GLOBE—Golden yellow. **Pkt., 10c; oz., 30c.**

MAHOGANY GLOBE—Deep mahogany. **Pkt., 15c; oz., 40c.**

SCARLET GLOBE—Bright scarlet. **Pkt., 15c; oz., 40c.**

GEM MIXTURE—Dwarf, compact plants in an excellent range of color. **Pkt., 10c; oz., 25c; 1/4 lb., 65c.**

TALL or CLIMBING VARIETIES

FULGENS—Bright scarlet; dark foliage. **ORANGE**—Pure orange. **SALMON QUEEN**—Salmon shades.

GOLD GARNET—Rich yellow, spotted garnet. **YELLOW**—Golden yellow.

Any of the above Tall Sorts. **Per pkt., 10c; oz., 20c; 1/4 lb., 50c.**

TALL VARIETIES MIXED—All the above varieties, besides many others, in a splendid mixture. **Pkt., 10c; oz., 15c; 2 ozs., 25c; 1/4 lb., 40c; lb., \$1.25.**

DWARF BEDDING VARIETIES

This type forms a small round bush 12 to 16 inches high.

CRYSTAL PALACE GEM—Yellow, spotted maroon. **GOLDEN KING**—Rich golden yellow.

EMPRESS OF INDIA—Fiery crimson; dark foliage. **SALMON**—Salmon shades.

Any of the above Dwarf Sorts. **Per pkt., 10c; oz., 20c; 1/4 lb., 50c.**

DWARF VARIETIES MIXED—A splendid mixture of all the above besides many other varieties. **Pkt., 10c; oz., 15c; 2 ozs., 25c; 1/4 lb., 40c; lb., \$1.25.**

NICOTIANA

(Flowering Tobacco)

AFFINIS (Tuberose-Flowered Tobacco)—Delightfully sweet-scented, pure white tubular flowers, blooming continually; half hardy annual; 2 to 3 feet. **Pkt., 10c; 1/4 oz., 25c.**

AFFINIS, PINK SHADES—Sweet scented. **Pkt., 10c; 1/4 oz., 25c.**

AFFINIS HYBRIDS—A new large flowering type with various bright-colored blossoms. **Pkt., 10c; 1/4 oz., 25c.**

SANDERAE, CRIMSON KING—Dark velvety crimson-red. **Pkt., 10c; 1/4 oz., 40c.**

NIEREMBERGIA HIPPOMANICA

Forms a cushion of gray green foliage which is covered throughout the entire summer with lovely lavender blue flowers with yellow eyes. For edgings, rock walls, or rockeries it is unexcelled, and may also be used in pots or window boxes. A half-hardy perennial blooming the first season from early sowings. **Pkt., 35c.**

NIGELLA

(Love-in-a-Mist)

A hardy annual, 18 inches high, with finely cut foliage. Oddly shaped blossoms in blue and white, and curious seed-pods. Of easy culture. Sow in the open in fall or spring.

MISS JEKYLL—A long-stemmed sort with beautiful Corn-flower-blue blossoms. **Pkt., 10c; 1/2 oz., 25c; oz., 40c.**



Pansy, Geneva Giant

PANSIES

(Select Strains)

Pansies thrive in a partially shaded location and in a loose soil, well enriched with decayed manure, which should be well dug into the soil. Seed should be sown in the fall for early spring blooming, and early in the year until May for flowers in the spring and summer. The seed may be sown in boxes and as soon as the plants are large enough to handle, transplant to stand 9 inches apart.

GENEVA GIANTS

Originator's seed of this superb strain. Truly giant flowers of splendid form and substance, in rich shades and striking color combinations. Unquestionably the finest strain of Pansies in cultivation.

GENEVA GIANT SPECIAL MIXTURE. Pkt. 50c; larger pkt. 75c; $\frac{1}{2}$ oz., \$1.50; $\frac{1}{4}$ oz., \$2.25; $\frac{1}{8}$ oz., \$7.50.

Separate Colors

FIRE BEACON (New)—Wallflower-red shaded orange; an outstanding introduction. Pkt., 75c; large pkt., \$1.85.

ALPINE SNOW—Large, pure snow-white.

BERNA—Exceptionally large velvety violet-blue.

CRIMSON QUEEN—Rich dark red with deeper center.

EIGER—Deep yellow with rich dark eye.

GOLDELSE—Largest pure yellow Pansy.

THUNER SEA—Beautiful bright gentian blue, with darker velvety center.

Each of above (except as quoted): Pkt., 50c; large pkt., \$1.25.

GIANT PANSIES

ALPENGLOW—Rich velvety red with three dark blotches. Pkt., 25c; $\frac{1}{8}$ oz., \$1.00.

LAKE OF THUN or ULLSWATER—Rich ultramarine-blue with a dark blue blotch on each petal. Pkt., 25c; $\frac{1}{8}$ oz., \$1.00.

RHINEGOLD—Golden yellow with deeper brown blotches on the three lower petals. Pkt., 25c; $\frac{1}{8}$ oz., \$1.00.

HALLAWELL'S SUPERB MIXTURE—A bright colored mixture similar to Geneva Giants. Pkt., 50c; Large pkt., \$1.25.

MAPLE LEAF GIANT MIXTURE—One of the newer strains. Huge flowers on large-leaved stocky plants. Pkt., 35c; $\frac{1}{8}$ oz., \$1.50.

SUPER SWISS GIANTS MIXED—Flowers of mammoth size in a good range of colors; the rich dark colors predominating. Pkt., 35c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{2}$ oz., \$1.85.

STEELE'S JUMBO MIXTURE—Giant sized flowers in a fine wide range of bright colors. Pkt., 50c; Large pkt., \$1.25.

PANSIES

(Continued)

LARGE PANSIES

ADONIS—Light blue.

BLACK.

CARDINAL—Brilliant red.

EMPEROR WILLIAM—Dark navy blue.

FIRE KING—Golden yellow, upper petals crimson.

GOLDEN QUEEN—Pure golden yellow.

Each of above: Pkt., 15c; $\frac{1}{8}$ oz., 50c. (Except as quoted)

LORD BEACONSFIELD—Lavender, heliotrope and purple.

PRINCE HENRY—Rich dark blue.

SNOWFLAKE—Pure white.

ST. KNUD—Golden orange (Pkt., 25c; $\frac{1}{8}$ oz., \$1.00)

YELLOW KING—Golden yellow with dark eye.

PARISIAN MIXED—A large flowering type of Trimardeau Pansies containing a great many colors. Pkt., 15c; $\frac{1}{8}$ oz., 60c; $\frac{1}{4}$ oz., \$1.00.

MASTERPIECE (Select Strain)—These Pansies have a combination of rich velvety colors and attractive ruffled petals. Pkt., 25c; $\frac{1}{8}$ oz., 85c.

NEMESIA

This free-blooming annual grows about 12 inches. The flowers of this improved strain come in all shades of purple, pale yellow, white, red, orange, pink and rose, spotted and blotched, making a splendid effect when planted in a bed or border. They are also used as a pot plant. Sow from February to May for summer blooming. In mild sections a sowing may be made in August or September for spring flowering.

STRUMOSA BLUE (New)—Pkt., 20c; $\frac{1}{8}$ oz., 85c.

STRUMOSA ORANGE—Pkt., 20c; $\frac{1}{8}$ oz., 85c.

STRUMOSA ROSE—Pkt., 20c; $\frac{1}{8}$ oz., 85c.

STRUMOSA SCARLET—Pkt., 20c; $\frac{1}{8}$ oz., 85c.

STRUMOSA GRANDIFLORA MIXED—Many beautiful colors. 10 to 12 inches tall. Pkt., 15c; $\frac{1}{8}$ oz., 60c.

TRIUMPH MIXED—Compact form. 6 to 8 inches tall. Pkt., 15c; $\frac{1}{8}$ oz., 60c.

BLUE GEM—Dwarf blue for edging. Pkt., 20c; $\frac{1}{8}$ oz., \$1.00.



Nemesis, Strumosa Grandiflora

California customers please include Sales Tax

PETUNIA

No flower surpasses the Petunia for massing in beds. They do well sown in open border in spring or earlier in the cold frame or hotbed. Be careful not to cover the small seeds too deeply. Seeds of double varieties do not all produce double flowers; save the weaker seedlings, as they usually give the finest double flowers.

GIANT RUFFLED SORTS

RUFFLED GIANTS OF CALIFORNIA—Flowers of extraordinary size and substance and distinguished from the large flowering fringed section by the deep fluting, giving it the appearance as if artificially ruffled. **Pkt., 35c; Large pkt., 85c.**

DWARF GIANTS OF CALIFORNIA—A new dwarf strain of Ruffled Giants; flowers are large and beautifully colored with open throats well marked and veined. **Pkt., 50c; Large pkt., \$1.25.**

GIANT RUFFLED SPECIAL MIXTURE—A fine strain of Giant Petunias with a semi-dwarf habit of plant. Exhibition size flowers in a range of rich colors. **Pkt., 50c; Large Pkt., \$1.25.**

PINK, VEINED RED—Huge, rich pink flowers with wine-red veining and darker center. **Pkt., 50c; Large Pkt., \$1.25.**

COPPER RED—Rich coppery red with dark center; immense flowers. **Pkt., 50c; Large pkt., \$1.25.**

RED, DARK CENTER—Brilliant red flower of fine form. **Pkt., 50c; Large pkt., \$1.25.**

VARIEGATED—Attractive red and white markings which vary during the periods of bloom. **Pkt., 50c; Large pkt., \$1.25.**

VELVETY ROYAL PURPLE—Rich purple with a striking satiny sheen. A large wavy edged Petunia, slightly smaller than the above varieties. **Pkt., 50c; Large pkt., \$1.25.**

FRINGED VARIETIES

DAINTY LADY (New)—Fringed light yellow. **Pkt., 35c.**

MARTHA WASHINGTON—Compact plants 9 inches high, smothered with frilled blooms about 3 inches in diameter. Color is flesh pink with the center veined wine red. **Pkt., 25c.**

THEODOSIA—Rosy pink with golden throat, fringed. **Pkt., 35c; Large pkt., 85c.**

WHITE BEAUTY—Large white flowers with edges deeply frilled and fringed. **Pkt., 25c; Large pkt., 65c.**

GIANT SINGLE FRINGED MIXTURE—Flowers are in a wonderful range of lighter shades than appear in the Giant Ruffled sorts, and are beautifully frilled and fringed. **Pkt., 25c; Large pkt., 60c.**

GIANT DOUBLE FRINGED—This strain produces a large percentage of double flowers in a splendid variety of colors. **Pkt., 50c; Large pkt., \$1.25.**

BALCONY PETUNIAS

A splendid free-flowering type either for bedding or window boxes. Flowers average 3 inches across.

BLACK PRINCE—Deep velvety red. **Pkt., 25c; ½ oz., 60c.**

BLUE—Velvety indigo-blue. **Pkt., 15c; ⅓ oz., 75c.**

CRIMSON—Rich crimson. **Pkt., 15c; ⅓ oz., \$1.00.**

ROSE—Brilliant rose-pink. **Pkt., 15c; ⅓ oz., \$1.00.**

WHITE—Pure white. **Pkt., 15c; ⅓ oz., \$1.00.**

Collection of one packet each of the above 5 colors, 70c.

BALCONY MIXED—**Pkt., 15c; ⅓ oz., 75c.**

SINGLE BEDDING SORTS

CRIMSON—Compact. **Pkt., 15c; ⅓ oz., 50c.**

HEAVENLY BLUE—Silvery light blue flowers; varies somewhat in color; compact growth. **Pkt., 15c; ⅓ oz., 65c.**

ROSE OF HEAVEN—Brilliant rose-pink, of compact growth. **Pkt., 15c; ⅓ oz., 65c.**

ROSY MORN "SELECT"—Soft, rosy pink with white throat; compact growth. **Pkt., 15c; ⅓ oz., 75c.**

SNOWBALL—Compact growing variety; flowers pure white. **Pkt., 15c; ⅓ oz., 50c.**

VELVETY BLUE—Rich violet-blue, splendid compact growing variety. **Pkt., 15c; ⅓ oz., 75c.**

LARGE-FLOWERED FINEST MIXED—Flowers of very choice colors, large size and free blooming. **Pkt., 15c; ⅓ oz., 50c; ¼ oz., 85c.**

GOOD MIXED—A complete mixture of all colors. **Pkt., 10c; ¼ oz., 65c; oz., \$2.00.**

PINK GEM—A new strain of dwarf compact Petunias. Each plant forms a perfect ball 5 to 6 inches high, literally smothered with light pink blooms. **Pkt., 15c; ⅓ oz., 40c.**

ROSE GEM (New)—Similar in habit to Pink Gem. Color is a rich, deep rose. **Pkt., 20c; ⅓ oz., 75c.**



Petunia, Ruffled Giants

PENTSTEMON

One of the most satisfactory flowers for the hardy perennial border. Grows 2 feet high and will bloom the first season if seed is sown early.

GIGANTEUS—New giant variety, largest blooms in many rare shades. Extra fine strain. **Pkt., 15c; ⅓ oz., 45c.**

GIANT CARMINE SHADES—**Pkt., 25c; ⅓ oz., 65c.**

GIANT RED SHADES—**Pkt., 25c; ⅓ oz., 65c.**

GIANT ROSE SHADES—**Pkt., 25c; ⅓ oz., 65c.**

GIANT VIOLET SHADES—**Pkt., 25c; ⅓ oz., 65c.**

FINE MIXED—**Pkt., 10c; ⅓ oz., 60c.**

MINIATURE HYBRIDS—A new hybrid variety producing in great profusion small flowers in a good range of colors; very graceful and good for cutting. 2½ to 3 feet high. **Pkt., 20c; ⅓ oz., 45c.**

BLUE GEM—Flowers very bright blue; particularly desirable for rock garden. Height 1 to 2 feet. **Pkt., 15c; ⅓ oz., 50c.**

PHACELIA

CAMPANULARIA—A hardy California wild flower. The saucer-shaped flowers are a beautiful clear deep blue color with contrasting white stamens, and are produced in remarkable profusion. 9 inches high. **Pkt., 10c; ¼ oz., 25c; oz., 75c.**

WHITLAVIA (Wild Canterbury Bell)—Large bell shaped flowers hanging in open, airy clusters; color violet-purple. Hardy annual 1 to 1½ feet high. Sow seed of both varieties in the open either in the fall or spring. **Pkt., 10c; ¼ oz., 25c; oz., 75c.**

PHYSALIS

(Lantern Plant)

FRANCHETI—Ornamental plants growing 2 feet high with large pointed seed pods, which are yellow and change to a brilliant scarlet in the fall. Although a perennial it is usually grown as an annual. Start the seed early in frames and immediately after danger from frost transplant to the open in a warm sunny exposure; let the plants stand 1 to 2 feet apart in the row. **Pkt., 10c; ¼ oz., 35c.**



Phlox, Giant Art Shades

PHLOX

DRUMMONDII—For beds and massing nothing can surpass these beautiful annuals. They produce immense trusses of large, brilliant flowers throughout the summer. Sow the seed in boxes in the fall for early flowers, or in the open in spring, and thin to 6 inches.

GIANT ART SHADE MIXTURE—Pkt., 25c; $\frac{1}{4}$ oz., 85c.

CARNEA—Pale pink with rose center. **KERMESINA**—Deep carmine with white eye.

CHAMOIS ROSE—Lovely chamois rose with tiny carmine eye.

PURE WHITE.
SOFT LILAC.
VIOLET.

COCCINEA—Deep, vivid scarlet.

YELLOW (Isabellina)—Primrose.

Each of above: Pkt., 15c; $\frac{1}{4}$ oz., 60c.

Collection of 6 packets of any of the above varieties for 75c.

FINE MIXED—A choice mixture of all colors of the larger types. Pkt., 10c; $\frac{1}{4}$ oz., 50c; oz., \$1.50.

CUSPIDATA MIXED—Starred and fringed. Pkt., 10c; $\frac{1}{4}$ oz., 65c.

PHYSOSTEGIA

A very pretty, hardy perennial, forming a dense bush 2 feet high and bearing freely during the summer, leafless spikes of tubular flowers.

VIRGINICA GIGANTEA—Lilac-pink flowers. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

VIRGINICA ALBA—Large white flowers. Pkt., 15c; $\frac{1}{8}$ oz., 40c.

PLATYCODON

(Balloon Flower)

GRANDIFLORUM—Also known as *Wahlenbergia*. A free-flowering perennial of dense habit, 18 inches high, which is useful for rock garden and border. The balloon-shaped buds are interesting and almost as attractive as the steel blue, star-shaped flowers. In bloom from June to October. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

POTENTILLA

(Cinquefoil)

Hardy perennial border plants with handsome strawberry-like foliage and of free blooming habit, continuing in bloom from spring until autumn. The flowers run mostly in shades of maroon, scarlet and orange, often beautifully banded with yellow. Height $1\frac{1}{2}$ to 2 feet.

NEPALENSIS ROXANA—Brilliant salmon colored flowers with darker veins. Pkt., 25c; $\frac{1}{8}$ oz., 40c.

FINE SINGLE MIXED—Pkt., 15c; $\frac{1}{4}$ oz., 50c.

PORTULACA

A creeping annual with thick stems and foliage, bearing brilliant colored cup-shaped flowers during the entire summer. This plant is suitable for rockeries and banks and will grow and bloom profusely in a dry, hot situation. In sowing, mix the seed with dry sand to insure an even distribution. Sow in the late spring when the ground is thoroughly warmed up.

GOLDEN YELLOW, WHITE, SCARLET (Single)—Any of these colors. Per pkt., 15c; $\frac{1}{4}$ oz., 45c.

SINGLE MIXED—A large variety of the most brilliant colors. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

DOUBLE MIXED—The most brilliant shades and choice flowers. Pkt., 15c; $\frac{1}{8}$ oz., 60c.

PRIMULA

SINENSIS

The Chinese Fringed Primroses are very desirable for the greenhouse. Sow in April or May for winter blooming, cover lightly and keep moist. Transplant when second leaf appears and keep shifting plants as they grow.

DAZZLER—Brilliant orange scarlet. Pkt., 50c.

GIANT SINGLE FRINGED VARIETIES—Excelsior Mixture. 100 seeds, Pkt., 35c.

STELLATA—A form of Chinese Primrose bearing large trusses of star-shaped flowers in many shades. Pkt., 35c.

OBCONICA

These are of the easiest culture in the greenhouse and also succeed well in the open border during the summer. Seed should be sown in good porous loam; they will not germinate well in any compost containing peat or leaf mold. If sown in February or March will bloom the same year.

FASBENDER—Deep glowing red, of the largest size. Pkt., 50c.

RHINE PEARL—Very large of a dark salmon-carmine. Pkt., 50c.

GIGANTEA—Blue, Crimson, Rose, Salmon, and Mixed. Pkt., 35c.

GRANDIFLORA MIXED—Pkt., 20c.

VARIOUS PRIMROSES

AURICULA—The Primrose of the Alps. Flowers variously colored; fragrant. Seed selected from prize flowers. Pkt., 25c.

BULLEYANA—The flowers shade from buff through apricot to orange and are quite distinct from those of any other hardy Primula. The plant is perfectly hardy and is also well worth growing in pots. Height, 2 feet. Pkt., 25c.

MALACOIDES—Small, light lilac flowers; very early and profuse bloomer. If sown in January or February will commence flowering from May to July, while by sowing in August a fine display of bloom can be obtained during the winter months. Pkt., 15c; $\frac{1}{8}$ oz., 90c.

MALACOIDES TRUE ROSE—A new variety with rich, bright pink blooms. Pkt., 25c; Large pkt., 65c.

MALACOIDES SNOW QUEEN (New)—Large flowered pure white. Pkt., 25c; Large pkt., 65c.

PULVERULENTA BARTLEY STRAIN—A strong growing hardy Primula with numerous tiers of flowers in shades of pink, produced on sturdy tall stems. Valuable for shaded and damp places. Pkt., 35c.

POLYANTHUS—A hardy sort, blooming early in the spring. Colors mostly red and yellow. Choice Mixed. Pkt., 15c; $\frac{1}{8}$ oz., 75c.

POLYANTHUS GIANT SUPERB MIXED—Extra choice strain, most carefully selected for habit, rich colors and size of bloom. Pkt., 25c; Large pkt., 65c.

POLYANTHUS GIANT MUNSTEAD STRAIN—Flowers of the largest size in fine shades of yellow and white. Pkt., 25c; $\frac{1}{8}$ oz., 85c.

POLYANTHUS YELLOW—Golden yellow. Pkt., 25c; $\frac{1}{8}$ oz., \$1.00.

VULGARIS—Yellow English Primrose. Pkt., 15c; $\frac{1}{8}$ oz., 60c.

**POPPY
ORIENTAL**

Majestic summer flowering hardy perennial plants with numerous leafy stems about 2½ feet high and large showy flowers having a conspicuous black blotch on each petal. The plants disappear in summer but appear again as soon as the weather becomes cool. Start seed during summer or early fall for next season's bloom. Sow in boxes or in the open ground and transplant when of suitable size.

- PRINCE OF ORANGE—Orange-scarlet. Pkt., 15c; ⅛ oz., 50c.
- PRINCESS VICTORIA LOUISE—Salmon, varies in color. Pkt., 15c; ⅛ oz., 75c.
- REMBRANDT—Magnificent scarlet. Pkt., 15c; ⅛ oz., 75c.
- ORIENTALE HYBRIDS—A splendid mixture of all shades. Pkt., 15c; ¼ oz., 65c.

**ICELAND
(Nudicaule)**

While these are hardy perennials, they flower the first year from seed if sown fairly early. The plants are of graceful compact habit with low fern-like foliage, from which issue slender stalks about 15 inches high, bearing their brilliant flowers in endless profusion. Most useful for cutting, for which purpose pick when in bud. If the seed pods are picked off they will continue in bloom the entire season.

- THE EMPEROR—Large flowers of deep tangerine-orange, with broad fluted petals. Pkt., 20c; ⅛ oz., 75c.
- THE EMPRESS (New)—Large flowered salmon-rose shades. Pkt., 20c; ⅛ oz., 75c.
- GIANT WHITE—Pkt., 15c; ⅛ oz., 50c.
- YELLOW WONDER—Large flowers of bright buttercup yellow. Pkt., 20c; ⅛ oz., 65c.
- SUNBEAM MIXTURE—A large flowered and strong growing strain of Iceland Poppy. The colors are also very rich. Pkt., 15c; ⅛ oz., 50c; ¼ oz., 85c.
- SANDFORD'S GIANT STRAIN (New)—Immense flowers and very strong, long stems. A beautiful range of color. Pkt., 25c; ⅛ oz., 60c; ¼ oz., \$1.00.



Iceland Poppies

ANNUAL POPPIES

Annual Poppies should be sown in the open ground where they are to remain. Seed may be sown any time from September to June.

- THE SHIRLEY—Rose Pink. Pkt., 10c; ½ oz., 35c; oz., 60c.
- THE SHIRLEY—Deep Apricot. Pkt., 10c; ½ oz., 35c; oz., 60c.
- THE SHIRLEY—Sweet Briar, double rose-pink. Very fine. Pkt., 10c; ¼ oz., 25c; oz., 75c.
- THE SHIRLEY—Finest Mixed. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.
- ELDORADO—A beautiful strain of double Shirley Poppies with showy, thin, crinkly petals containing many new salmon shades. Mixed Colors. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.
- AMERICAN LEGION—An improved Flanders Poppy with large single flowers of a rich dazzling orange-scarlet color. 2 feet high. Pkt., 10c; ½ oz., 30c; oz., 50c.
- CARNATION FLOWERED MIXED—Large double fringed; all colors. Pkt., 10c; oz., 30c.
- PEONY FLOWERED MIXED—Large, double straight edged; all colors. Pkt., 10c; oz., 30c.

PYRETHRUM

- PARTHENIFOLIUM AUREUM or GOLDEN FEATHER—Small cut leaves of bright golden yellow. A hardy perennial, with bright foliage, much used for edging and borders. Seed can be sown in the fall or spring and transplanted. Pkt., 10c; ¼ oz., 25c; oz., 75c.
- SELAGINOIDES—Foliage bright golden yellow, finely serrated; fine for borders and edging. Pkt., 10c; ¼ oz., 30c.
- ROSEUM, IMPROVED SINGLE HYBRIDS—A hardy perennial bearing large Cosmos-like flowers with bright yellow centers; blooms in May and June and again in the fall and is one of the most graceful and long lasting cut flowers; 2 feet. A re-selected strain with rose and pink shades predominating with some reds and very few whites. Pkt., 25c; ⅛ oz., 75c.
- HYBRIDUM FL. PL.—Seeds saved from the finest double flowers; only a small percentage can be expected to come double the first year. Mixed Colors. Pkt., 25c; ⅛ oz., 75c.

RANUNCULUS

These spring blooming plants grow 1 foot or more high and may be planted in a sunny or light shaded position. The flowers are double and semi-double, last well after cutting, and come in a wide range of brilliant colors. Sow seeds in boxes in the fall for bloom in the spring, or from February to June for the next spring's bloom. Separate shades (variable) of Scarlet, Orange, Pink, and Yellow: Each; Pkt., 35c. Hallawell's New Hybrid Mixture: Pkt., 25c; ⅛ oz., \$1.25.

REHMANNIA

PINK PERFECTION—A new and improved variety of this half hardy herbaceous perennial, with beautiful large bright rosy pink Gloxinia-like flowers. Suitable for pot culture or outdoors in a sheltered situation; 3 feet tall. Sow in boxes to transplant. Pkt., 25c; ⅛ oz., 60c.

**RHODANTHE
(Everlasting)**

A charming annual for winter bouquets. The blossoms should be gathered before fully expanded, and dried in the shade. In mild sections sow seed in the open from October to June. Pink, White or Mixed. Per pkt., 10c; ¼ oz., 25c.

**RUDBECKIA
(Cone Flower)**

- KELVEDON STAR—Annual 3 feet in height. Flowers golden yellow with mahogany zone. Pkt., 25c; ¼ oz., 65c.
- BICOLOR SUPERBA—A free-flowering annual which produces an abundance of bright yellow flowers with a brown central disc; fine for cutting. Height, 2 feet. Sow the seed from February to May. Pkt., 10c; ¼ oz., 25c.
- MY JOY—Orange-yellow with rather small cone. Some flowers are over 5 inches in diameter. A striking addition to the annual Rudbeckias. Pkt., 20c; ¼ oz., 75c.
- PURPUREA GRANDIFLORA—A perennial variety with large, handsome crimson-purple flowers with dark central disc; 3 feet high. Pkt., 15c; ¼ oz., 50c.



Salpiglossis

SALPIGLOSSIS

Highly ornamental half hardy annuals with large veined funnel-shaped flowers. Very showy in beds and borders and much prized for cutting. Height 3 feet. Sow seed early in the spring and transplant, or sow the seed where it is to remain, in April, and thin to 6 or 8 inches. Enrich the soil.

LIGHT BLUE and GOLD. ROSE and GOLD.
PRIMROSE. SCARLET and GOLD.
PURPLE and GOLD. VELVETY RED.

Each of above: Pkt., 15c; ¼ oz., 30c.

Collection of one packet each of 6 colors, 75c.

EMPEROR MIXED—A very rich mixture. Pkt., 10c; ¼ oz., 40c; ½ oz., 70c; oz., \$1.25.

SAINTPAULIA

(African Violet)

IONANTHA GRANDIFLORA—A free and long flowering greenhouse perennial pot plant. Plants are dwarf, leaves like a Gloxinia, flowers beautiful violet-blue with golden anthers resembling those of a single Violet. This strain has much larger flowers than the original variety. Pkt., 50c.

SANVITALIA

PROCUMBENS FL. PL.—An excellent annual edging plant growing 6 inches high, with small double yellow flowers produced in abundance all summer. Pkt., 15c; ⅛ oz., 35c.

SAPONARIA

(Bouncing Bet)

OCYMOIDES—A handsome dwarf trailing plant with bright rose colored flowers. Suitable for rock work or borders. Hardy perennial. Pkt., 15c; ¼ oz., 35c.

VACCARIA—A pretty and useful annual variety, bearing an abundance of satiny pink flowers somewhat like an enlarged Gypsophila; fine for cutting; 2 feet tall. Sow in the open at intervals for a succession of bloom. Pkt., 10c; oz., 30c.

SALVIA (Flowering Sage)

The Scarlet Sage is usually treated as an annual. Start the seed indoors or in the hotbed early and set out plants when the weather has become warm. Other varieties are treated as perennials except Salvia Carduacea, which is an annual.

SPLENDENS (Scarlet Sage)—Beautiful bright scarlet; 3 feet. Pkt., 10c; ¼ oz., 75c.

FIREBALL—A more compact form of the above with brilliant red flowers. 18 inches. Pkt., 15c; ⅛ oz., 50c.

PATENS (Blue Sage)—In color this is as blue as the "Scarlet Sage" is red; unlike the latter, however, it is not useful for bedding, but is a beautiful plant for the border or greenhouse; half hardy perennial; 2 feet. Pkt., 20c.

AZUREA GRANDIFLORA—A hardy perennial variety growing 3 to 4 feet and producing during late summer, panicles of pretty sky blue flowers in great profusion. Pkt., 15c.

FARINACEA BLUE BEDDER—A more compact form of this popular hardy perennial variety, making it more desirable for bedding. Flowers deep blue. Pkt., 25c.

CARDUACEA (Thistle Sage)—A hardy annual California wild flower with thistle-like woolly foliage and rich lavender flowers in large heads. 1 to 2 feet tall. Pkt., 10c; ¼ oz., 35c.

SILENE PENDULA

(Catchfly)

Pretty dwarf plants used mostly for borders, growing 6 inches high. A hardy annual, which is easily grown. Sow the seed in the fall or spring.

PINK, RED, WHITE, or MIXED. Each; Pkt., 10c; ¼ oz., 25c.

SMILAX

A tender perennial twining climber with small glossy green leaves. Start seed under glass and transfer to a sheltered position after the weather has become warm. Pkt., 10c; ¼ oz., 25c.

SOLANUM

(Jerusalem Cherry)

CLEVELAND RED—A popular pot plant for winter decoration. It is of dwarf branching habit and bears bright scarlet berries in great profusion. Pkt., 15c; ¼ oz., 30c.

STATICE

(Sea Lavender)

Splendid hardy annuals, either for the border or rockery, producing all summer panicles of small flowers which can be dried and used for winter bouquets. Start the seed in boxes and when of suitable size transplant to a sunny position.

ROSEA SUPERBA, DARK BLUE, WHITE, or YELLOW—Each; Pkt., 10c.

MIXED—Pkt., 10c; ½ oz., 25c; oz., 40c.

SUWOROWII—A hardy annual variety producing long spikes of bright rose-colored flowers. Pkt., 10c; ¼ oz., 50c.

LATIFOLIA—A hardy perennial variety with large branching heads of clear mauve flowers. Invaluable for the perennial border as well as for drying. Pkt., 15c; ⅛ oz., 40c.

CASPIA—One of the finest of the many varieties. Smaller flowers than Latifolia and of more delicate appearance in bouquet work. Color, pale lavender. Pkt., 15c; ⅛ oz., 85c.

PEREZII—A splendid perennial variety with panicles of rich deep blue flowers carried well above attractive foliage. Makes a fine specimen plant and is a good cutting variety. Pkt., 20c; ¼ oz., 85c.

STOKESIA

(Cornflower Aster)

A hardy perennial growing about 2 feet high, bearing 20 to 30 lavender Cornflower-like blossoms; in bloom from July until frost. Pkt., 15c; ⅛ oz., 40c.

STREPTOCARPUS

Novel free-blooming greenhouse pot plants, remaining in bloom for a long period. Finest Hybrids Mixed. Pkt., 50c.

SCABIOSA

Sow the seed any time in the fall or spring, either in boxes to transplant or in the open ground. Scabiosas grow about 3 feet high, and come into bloom early in July, and continue without interruption until hard frost. Splendid for cutting.

ANNUAL

GIANT BLUE COCKADE—Deep azure-blue. Pkt., 15c; ¼ oz., 50c.

GIANT LOVELINESS—Varying tones of soft, delicate salmon-rose. Pkt., 15c; ¼ oz., 50c.

GIANT ROSETTE (New)—Beautiful deep rose suffused salmon. Pkt., 25c; ½ oz., 60c.

GIANT HYBRIDS—Giant size, including new rare colors. Pkt., 15c; ¼ oz., 50c.

AZURE FAIRY—Lavender-blue.

PEACH BLOSSOM—Giant light pink.

FIRE KING—Rich rosy crimson.

SHASTA—Mammoth pure white.

KING OF BLACKS—Reddish black. MIXED—Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.

Above 5 separate colors: Each; Pkt., 10c; ¼ oz., 30c.

Collection of 5 separate sorts, 45c.

HARDY PERENNIAL SORTS

CAUCASICA (Blue Bonnet)—One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water; lilac-blue; 3 feet. Pkt., 15c; ½ oz., 60c.

COLUMBARIA—Fine orchid-pink flowers on long stems; spreading habit and very free flowering. Flowers slightly smaller than Caucasica, but a good companion. Pkt., 15c; ½ oz., 75c.

HOUSE'S HYBRIDS—An improvement over the Caucasica with larger flowers and longer stems. The colors range from light lavender to dark blue. Pkt., 25c; ¼ oz., 65c.



Scabiosa, Loveliness



Schizanthus, Pansy Flowered

SCHIZANTHUS (Butterfly Orchid)

Extremely showy half hardy annual with fern-like foliage. The seed germinates readily and in a few weeks the plants are a mass of dainty flowers in a bewildering range of color. Unsurpassed for bedding as well as pot culture. During early spring sow the seed in boxes to transplant. In late spring the seed may also be sown in the open. For winter flowering in pots sow from July to September. Save the weaker seedlings as they usually produce the finest flowers.

HALLAWELL'S SELECT MIXTURE—An especially fine strain with very large, well shaped flowers, in a wide range of colors. They make splendid pot plants and are very useful in the flower border as the plants are compact and bushy. Pkt., 25c; ¼ oz., 65c.

	Per pkt.		Per pkt.
AMBER.....	25c	PINK.....	25c
CARMINE.....	25c	PURPLE.....	25c
MAUVE.....	25c	ROSE.....	25c

Collection of the above 6 sorts, \$1.25.

WISETONENSIS (Excelsior Strain)—A choice strain with large flowers in a wide range of colors. Pkt., 25c; ¼ oz., 65c.

MIXED—A mixture of the regular type. Pkt., 10c; ¼ oz., 25c.

PANSY FLOWERED

This new type of Schizanthus has already become very popular. The large, smooth-edged pansy-flowered blooms are remarkably substantial, while the many rich self-colors in shades of pink, crimson, mauve, purple, as well as white are extremely bright and attractive. Mixture. Pkt., 35c; ¼ oz., 85c.

SNAPDRAGON (Antirrhinum)

Snapdragons are one of the best cut flowers, while for beds or borders they are a constant source of pleasure. They succeed best in a rather light soil in a sunny situation, and although perennial are best treated as annuals. For early flowering sow in the fall, protecting the plants from frost. Sown in spring, they bloom from mid-summer until frost. These Rust Resistant Snapdragons are offered as being the best obtainable, and although not entirely immune to rust, will flower much more satisfactorily than the old type. It has been found that different species of rust perhaps exist, and that the totally resistant strain is yet to be achieved.

MAXIMUM TYPE

(Rust Resistant—Height, 3 to 4 feet)

ALASKA—Pure white.	CRIMSON MONARCH—Rich crimson.
CAMPFIRE—Luminous scarlet, yellow lip.	DAFFODIL—Rich yellow.
CANARY BIRD—Canary yellow.	FAIR LADY—Pink, white tube.
CHRISTMAS CANDLE—Bright flame, cream tube.	INDIAN SUMMER—Coppery orange scarlet.
COPPER SHADES—Copper and bronze shades.	LOVELINESS—Soft rose pink.
	SALMON ROSE SHADES—Bright yellow lip.

Above separate colors: Pkt., 25c; $\frac{1}{8}$ oz., 65c.

Collection of 5 packets of any of above, \$1.00.

CHOICE MIXTURE—Pkt., 10c; $\frac{1}{8}$ oz., 45c; $\frac{1}{2}$ oz., 75c.

HALLAWELL'S SELECT MIXTURE—A selected strain containing many new shades. Pkt., 25c; $\frac{1}{8}$ oz., 65c; $\frac{1}{2}$ oz., \$1.00.

SUPER MAJESTIC TYPE

(Rust Resistant—Height, 20 to 30 inches)

AUTUMN GLOW SHADES—Old rose, yellow lip.	RED SHADES—Crimson, garnet, and ruby.
HARMONY SHADES—Terra cotta and yellow.	ROSE SENSATION—Finest rose pink.
ORANGE SHADES—Deep and light shades.	ROSE SHADES—Begonia-rose shades.
RED ROCKET—Fiery red.	SILVER PINK—Lovely clear pink.

Above separate colors: Pkt., 25c; $\frac{1}{2}$ oz., 75c.

Collection of one packet each of 6 colors, \$1.25.

HALLAWELL'S SUPER MAJESTIC MIXTURE—Pkt., 25c; $\frac{1}{8}$ oz., 75c.

INTERMEDIATE TYPE

(Rust Resistant—Height, 18 to 24 inches)

CARMINE ROSE—Rich carmine rose.	ORANGE SHADES—Light to deep tones.
INDIAN GIRL—Beautiful old gold.	RED BOY—Rich deep scarlet.
OLD GOLD SHADES—Art shades.	WILDFIRE—Bright orange scarlet.

Above separate colors: Pkt., 15c; $\frac{1}{8}$ oz., 65c.

Collection one packet of each of the above separate sorts, 75c.

HALLAWELL'S INTERMEDIATE MIXTURE—Pkt., 15c; $\frac{1}{2}$ oz., 50c; $\frac{1}{4}$ oz., 85c.

SUNFLOWER (Helianthus)

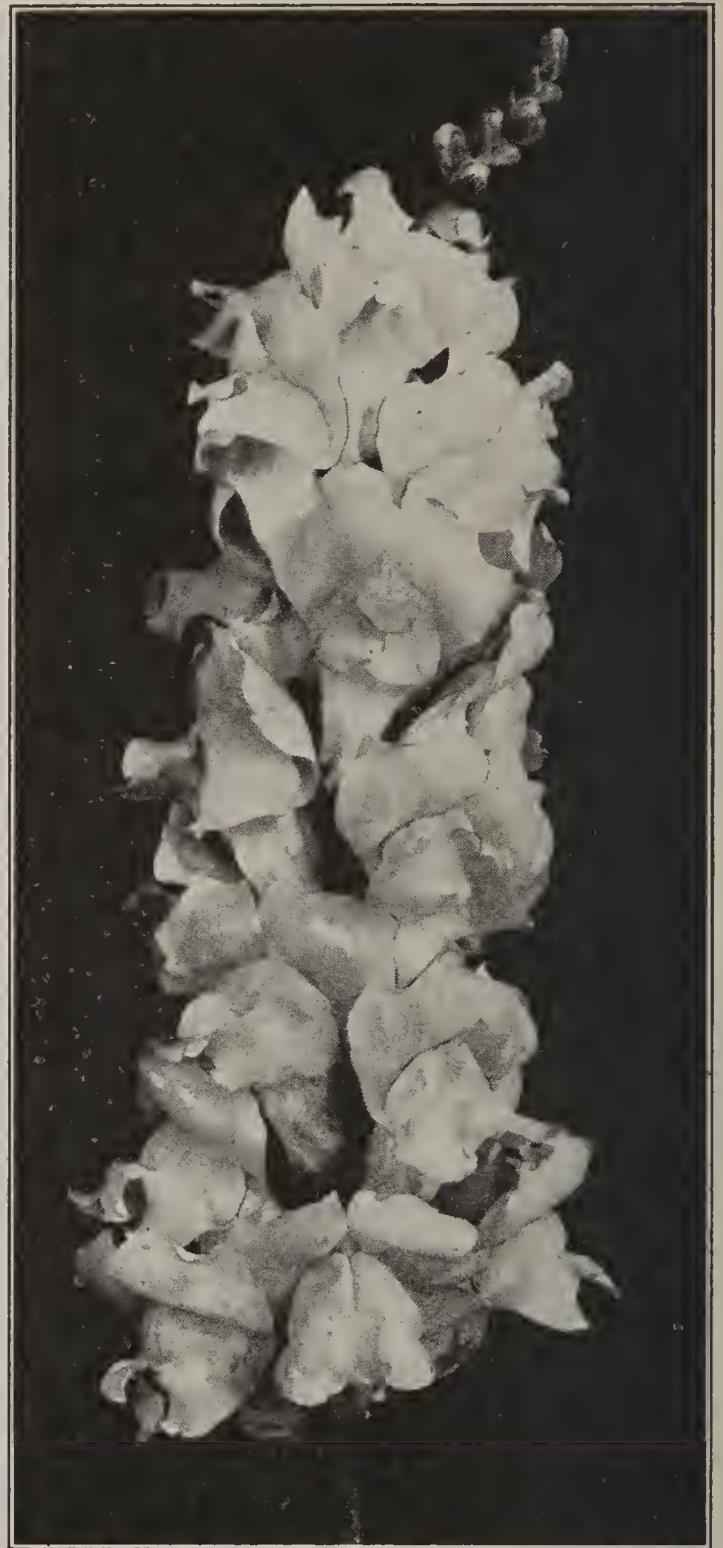
Tender annuals, growing from 3 to 8 feet high. Of the easiest culture and suitable for a stately row or background. Plant when the ground is well warmed, in light soil and in a sunny position.

CHRYSANTHEMUM FLOWERED—Large, densely double, bright golden flowers. The plant branches and affords fine, long stout stems for cutting. 6 feet. Pkt., 10c; oz., 45c.

CUCUMERIFOLIUS STELLA—Of dwarf branching habit; grows about 3 feet high and blooms profusely throughout the summer; flowers single orange-yellow, with black center. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 50c.

CUCUMERIFOLIUS PERKEO—The plants form compact bushes about 18 inches high and are covered with small yellow blossoms with dark eyes all summer. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

RED HYBRIDS—Some flowers are a rich chestnut-red color, others tipped with yellow and others slightly washed with red. The flowers vary in size, some being very large. Plants grow from 4 to 8 feet tall. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 50c.



Snapdragon, Super Majestic

SWEET WILLIAM

A very desirable low-growing, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers. Seed sown in boxes in the early summer or fall will bloom the first season.

SINGLE WHITE—Pure white. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

SINGLE CRIMSON SHADES—Pkt., 10c; $\frac{1}{4}$ oz., 25c.

SINGLE NEWPORT PINK—Brilliant salmon-rose. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

SINGLE SCARLET BEAUTY—Bright scarlet. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

SINGLE MIXED—Pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 60c.

GIANT DOUBLE MIXED—Pkt., 10c; $\frac{1}{4}$ oz., 30c.

HOLBORN GLORY—This strain is a large-flowered selection of the auricula-flowered section. This variety contains a beautiful strain of light shades. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

SWEET WIVELSFIELD—See page 14.

STOCKS

EARLY GIANT IMPERIAL

An especially fine strain of Stocks, growing from twenty-four to thirty inches tall; of branching habit. Very free blooming and produces a high percentage of double flowers. Splendid for cutting; equally suitable for bedding.

- | | |
|---------------------------------|------------------------------------|
| ANTIQUE COPPER—Copper Red. | GOLDEN ROSE—Rose, golden sheen. |
| BUTTERCUP—Canary-yellow. | LAVENDER—Pure lavender. |
| CHAMOIS—Ivory, tinted old rose. | OLD ROSE. |
| DARK BLUE—Rich dark blue. | ROSE—Rose-pink. |
| FIERY BLOOD RED. | SANTA MARIA—Large pure white. |
| FLESH—Delicate pink. | SHASTA—Pure white; base-branching. |

Each of above separate colors: Pkt., 15c; $\frac{1}{8}$ oz., 50c.
Collection of 6 packets of any of above, 75c.

CHOICEST MIXTURE—Pkt., 15c; $\frac{1}{8}$ oz., 75c; $\frac{1}{4}$ oz., \$1.25.

SUPER GIANT IMPERIAL

This new type is a distinct improvement over the Giant Imperial group. The plants are base branching, producing a dozen or more huge flower spikes.

- | | |
|------------------|-----------------------|
| BLUSH PINK (New) | ROSE CHARM—Deep rose. |
| DARK BLUE | ROSELIGHT—Rose Pink. |

Each of above: Pkt., 25c; $\frac{1}{8}$ oz., 85c.

GIANT PERFECTION

A splendid class that can be used for summer flowering, but for winter flowering is most valuable. They form much branched plants and have numerous spikes of large double flowers. For winter bloom sow from June to August.

- | | |
|---------------------------------|---|
| AMERICAN BEAUTY—Deep rose. | HEATHAM BEAUTY—Rose shaded terra cotta. |
| PINK (Abundance)—Lavender-pink. | PALE BLUE (May Queen). |
| FLESH (Beauty of Nice). | WHITE (Snowdrift). |
| OLD ROSE (Belle of Naples). | YELLOW (Monte Carlo). |
| CRIMSON (Crimson King) | LAVENDER (Parma Violet). |
| | PURPLE (Summer Night). |

Each of above separate colors: Pkt., 15c; $\frac{1}{8}$ oz., 75c.
Collection of 6 packets of any of the above varieties, 75c.

GIANT PERFECTION MIXED—Pkt., 15c; $\frac{1}{8}$ oz., 65c.

DWARF TEN WEEK

These large flowered Stocks grow to a height of 1 foot and are the leading class for bedding out for summer blooming. Sow the seed in the spring, in boxes or hotbed, and transplant to 1 foot apart.

- | | |
|--------------------------|-----------------------|
| BLOOD RED—Pkt., 15c. | LIGHT BLUE—Pkt., 15c. |
| BRIGHT PINK—Pkt., 15c. | PURE WHITE—Pkt., 15c. |
| FLESH PINK—Pkt., 15c. | PURPLE—Pkt., 15c. |
| CANARY YELLOW—Pkt., 15c. | MIXTURE—Pkt., 10c. |

Each of above: $\frac{1}{8}$ oz., 60c; $\frac{1}{4}$ oz., \$1.00.

GIANT EXCELSIOR (Improved Column Type)

These produce but one enormous spike 2 to 2½ feet high and can be planted close together.

- | | |
|---------------------------------------|--|
| CHAMOIS PINK—Apricot or chamois-pink. | OLD ROSE—Rich color. |
| DEEP ROSE—Brilliant deep rose. | RUBY—Rich crimson-red. |
| LILAC LAVENDER—Rich bright lavender. | WHITE—White faintly tinged pink. |
| | EXCELSIOR MIXTURE—Mixture of all colors. |

Each of above: Pkt., 50c; $\frac{1}{8}$ oz., 75c.



Stock, Early Giant Imperial

BROMPTON or WINTER STOCK

Seed sown in July will produce plants that will bloom freely the following spring and summer. The Brompton is not strictly speaking a winter stock, but is known as such for its hardiness and the fact that it carries through the winter in colder climates. It is a sturdy grower, and withstands cold wet weather well. Height 20 to 24 inches.

- | | |
|-----------------------------------|---------------------------------------|
| EMPRESS ELIZABETH—Bright carmine. | WHITE LADY—Very double, pure white. |
| VIOLETTA—Dark violet. | SELECT MIXTURE—Mixture of all colors. |

Each of above: Pkt., 20c; $\frac{1}{8}$ oz., 75c.

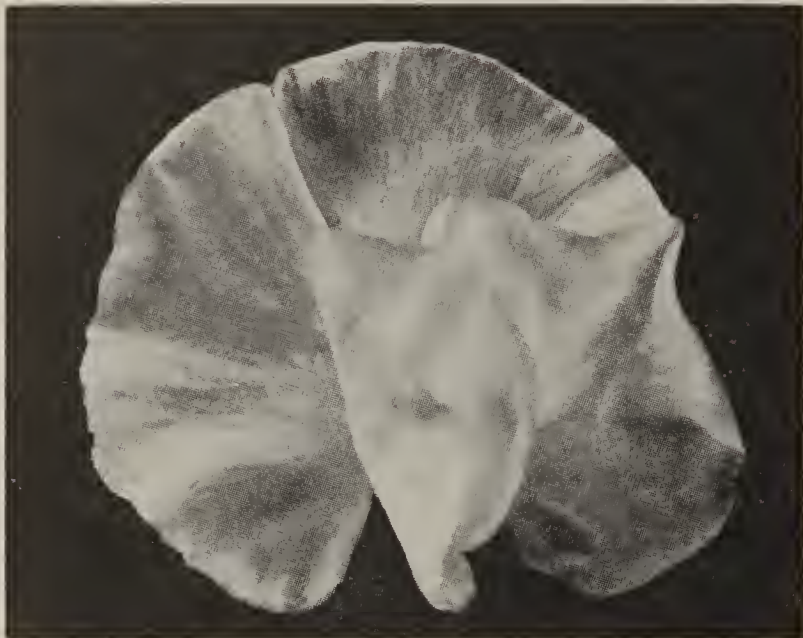
VIRGINIAN STOCK (Malcomia)

A hardy annual, growing about 6 inches high and blooming profusely. Of easy culture, and can be had in continuous bloom by sowing the seed at frequent intervals during spring and summer.

- | |
|---|
| CRIMSON GEM—An erect, compact variety. Pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 75c. |
| ROSE—Bright rose turning to lavender. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c. |
| WHITE—Pure white. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c. |
| MIXED COLORS—Pkt., 10c; Large pkt., 25c; oz., 35c; $\frac{1}{4}$ lb., \$1.00. |

SWEET ROCKET (Hesperis)

Hardy perennial, growing 2 to 3 feet, bearing spikes of fragrant purple and white flowers. Purple or Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 50c.



Spencer, Powerscourt



Spencer, Magnet

SWEET PEAS

GIANT WAVED AND RUFFLED SPENCER

For Spring and Summer Blooming

STANDARD VARIETIES

Price of each: Pkt., 10c; oz., 30c.

- AUSTIN FREDERICK IMPROVED—Giant lavender, very fine.
 AVALANCHE—Glistening white of great substance.
 CHARMING—Bright glowing rose with a scintillating salmon sheen; holds its color well.
 CHIEFTAIN—Large clear satiny mauve (deep lavender).
 COLORADO—Bright orange; should be shaded when in bloom.
 CRIMSON KING—True crimson; large, bold flowers on long stems.
 DAMASK ROSE—A beautiful rosy crimson shade; of splendid formation.
 FLAMINGO—Brilliant orange-scarlet flowers shaded cerise, of large size and carried on long stems.
 FORTUNE—Large violet-blue flowers of fine form.
 GOLD CREST—Orange tinted salmon; should be shaded when in bloom.
 GRENADIER—Flowers of exceptionally large size, of Geranium-red color and quite sun-proof.
 HAWLMARK PINK—Rich rose-pink, deeply flushed and shaded with salmon.
 MAGNET—Salmon-pink on a deep cream ground; of fine size and form.
 MARY PICKFORD—A light and dainty cream-pink with a faint suffusion of salmon.
 MAYFAIR—Shell pink.
 MRS. A. SEARLES—Orange-cerise merging into a soft oriental-red.
 PINKIE—Unusually large flowers and clear rose-pink.
 POWERSCOURT—Clear pure lavender; the best lavender.
 ROSIE—Giant flowered deep pink; of heavy texture and borne on long stout stems.
 SEXTET QUEEN—Pure white; 5 to 6 blossoms on a stem.
 SMILES—Glistening salmon shaded shrimp-pink which holds its color well.
 SPLENDOUR—Reddish maroon; of splendid form.
 SUNKIST—Clear cream, edged rose; large waved blossoms.
 WELCOME—A really sun-proof vivid deep scarlet.
 YOUTH—Large pure white with margin of clear pink. Developed especially for its fragrance.

NEWER INTRODUCTIONS

Price of each: Pkt., 15c; oz., 40c

- BLUE (Ruffled)—Lovely mid-blue; ruffled and duplexed.
 CAPRI—Giant waved light blue with long stems; a very beautiful variety.
 CREAM (Ruffled)—Very large; ruffled and duplexed.
 CHEERIO—Mammoth deep Begonia rose suffused with gold.
 CHLOE—Deep shell pink, cream ground; duplexed flowers.
 EXQUISITE (Ruffled)—Sparkling salmon-cerise; ruffled.
 FLUFFY RUFFLES (Ruffled)—Light cream pink; long stems and beautifully ruffled flowers.
 GIGANTIC—Giant waved white; black seed. The finest white.
 GOLD FINCH—Gold and rich pink; fine color combination.
 HIGHLANDER—Pure clear lavender; large bold flowers on strong stems.
 HOLLYBERRY—Large flowers; rich scarlet, orange suffusion.
 LEVIATHAN—Rich maroon; huge flowers on long stems.
 MASTERCREAM—Rich deep cream; black seeded. One of the finer new introductions.
 PURPLE (Ruffled)—Rich rosy purple; nicely ruffled.
 ROSE (Ruffled)—Soft, rich rose; perfectly ruffled.
 SILVER JUBILEE—Intense salmon on cream ground. Award of Merit winner.
 SONNY BOY—Vermilion crimson, outstandingly brilliant.
 STATIONMASTER—Hydrangea pink; large waved flowers on fine long stems.
 WHITE (Ruffled)—Large pure white; ruffled; black seed.

COLLECTION OF NEWER INTRODUCTIONS—One pkt. each of 6 varieties of your choice, 75c.

HALLAWELL'S SPENCER MIXTURE—This mixture is a beautiful blend of the best varieties of Spencers in the proper proportion and includes all the latest novelties. Pkt., 10c; oz., 25c; ¼ lb., 65c; ½ lb., \$1.15; lb., \$2.00.

SUPERB COLLECTION—Consisting of twelve of the best varieties of Spencers of our selection, \$1.00.

(For varieties see back cover of catalogue)

SPECIAL COLLECTION—Consisting of six of the best Spencer varieties of our selection, 50c.

(For varieties see back cover of catalogue)

CUSTOMER'S SELECTION—Any six packets of the 10c per packet varieties, 50c.

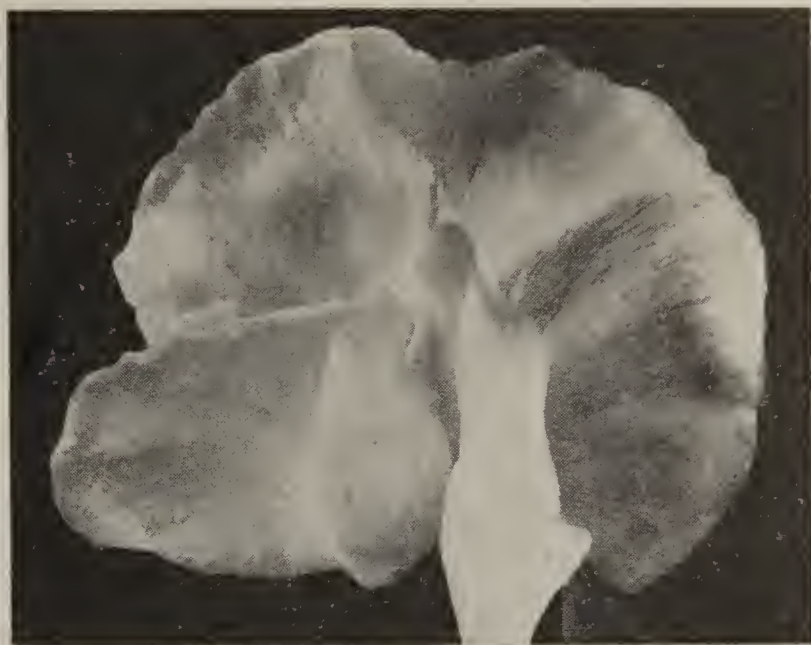
CUPID MIXED—Very dwarf and bushy, growing 1 foot high and spreading to about 2 feet in diameter; very effective when planted in a border. Mixture of all varieties. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

McQUEEN'S INOCULATOR

A nitrogen gathering bacteria for inoculating Sweet Peas and Garden Peas. Garden Size, 15c, postpaid.



Early Spencer, Bridesmaid



Early Spencer, Shirley Temple

EARLY SPENCER SWEET PEAS

For Winter and Early Spring Flowering

Any of following (except where quoted). Pkt., 15c; oz., 60c.

APOLLO—Soft salmon-cerise; long strong stems.
 AVIATOR—Dazzling crimson scarlet; popular variety.
 BALL ROSE IMPROVED—Large, rich rose pink.
 BLUE BONNET—Clear rich blue; attractive.
 BLUE DANUBE—Enchanting mid-blue; large ruffled flowers on long strong stems. (Pkt., 20c; oz., 75c.)
 BRIDESMAID—Sparkling deep silvery pink; extra long stems and vigorous growth. (Pkt., 20c; oz., 75c.)
 CATTLEYA—Large flowers of rich rosy lilac; striking.
 FRAGRANCE—Mammoth clear, uniform lavender.
 GLORIA—Sparkling salmon rose; long stems.
 HARMONY—Clear lavender; one of the best lavenders.
 HOPE—Large pure white; black seeded.
 JOSIE—Beautiful rose pink; extra long stems.
 LADDIE IMPROVED—New long stemmed giant rose pink.
 MEMORY—A fine large clear rosy lavender. (Pkt., 20c; oz., 75c.)
 MISS ALABAMA—Large rich maroon flower of good substance.
 MRS. REDDICK—Brilliant salmon flesh pink; long stems and exceptionally large wavy flowers.

ORIENTAL—Rich deep cream; black seeded.
 OTHELLO—Deep maroon; a standard variety.
 PRIDE—Pure deep cerise; long stemmed.
 SEQUOIA—Enormous rich golden cerise. An exceptionally fine variety with long, strong stems. (Pkt., 20c; oz., 75c.)
 SHIRLEY TEMPLE—Giant wavy flowers of soft rose pink.
 SUNRAY—Scarlet cerise with salmon sheen; a striking variety.
 SUSANNA—Rich carmine red flowers on good stems.
 TOP HAT—New and distinct deep velvety violet-blue. Mammoth flowers with wavy standard; long stems. (Pkt., 20c; oz., \$1.25.)
 VALENCIA—Vivid sunproof orange with long stems.
 VULCAN—The most vivid orange scarlet. Sunproof and long stems.
 WHITE CHAMPION—Long stemmed pure white. One of the best white seeded varieties. (Pkt., 20c; oz., 75c.)
 WHITE HARMONY—Fine long stemmed white; black seed.
 EARLY COLLECTION—Six fine varieties of our selection for 65c.
 HALLAWELL'S CHOICE MIXTURE—A select formula mixture. Pkt., 15c; oz., 40c; ¼ lb., \$1.25.

Spencer Sweet Peas are most satisfactory for spring and summer flowering, and may be planted from October to February.

The Early Spencer type is used for greenhouse culture, and will also bloom out of doors during the winter and early spring months in mild climates, from early fall sowings. Or they may be sown at any time during the spring or summer for flowering within a few months.

Sweet Pea seed sown during hot weather should be shaded with muslin or a mulch of loose straw or twigs, to keep the soil cool and prevent decay of the seed.

Culture—Dig a wide trench to a depth of 12 inches and after breaking up the bottom of trench fill in with several inches of peat or leaf mold to which add a liberal amount of bone meal; fill in the balance of the trench with good top soil. Tamp the soil down firmly and water thoroughly to the base. Let stand a few days until moderately moist. Never put the seed in too wet soil. Rake off the surface nice and smooth, make rows and plant seed about once inch deep, and two inches apart. Do not water until all the seed is up, at least half an inch out of the soil. (Nine-tenths of the failures are caused by watering too soon.). Thin out to at least six inches apart and train on wire netting or strings when plants are five or six inches high. Applications of complete chemical fertilizers during flowering period will add to the length of stem and size of blossoms. Keep well cultivated and water only as needed during the blooming period, as excessive moisture will cause the buds to drop.



Verbena, Apple Blossom

VERBENA

One of the most popular half-hardy perennial plants for summer bedding. Sown early in a hotbed, they commence to bloom in June and continue until frost.

GIANT FLOWERING

APPLE BLOSSOM—Immense heads of large, nearly white florets shading to cameo pink. **Pkt., 20c; 1/8 oz., 70c.**

LAVENDER GLORY—Immense lavender colored flower with a creamy white eye. Varies somewhat, a small percentage being pure white. **Pkt., 20c; 1/8 oz., 70c.**

LUCIFER—An intense deep cardinal-scarlet throughout. **Pkt., 15c; 1/8 oz., 50c.**

LUMINOSA—Luminous flame pink shading to salmon. **Pkt., 15c.**

ROSEA STELLATA—Rose-pink, white eye; large size. **Pkt., 15c.**

ROYALE—Royal blue, creamy yellow eye. **Pkt., 20c; 1/8 oz., 70c.**

WHITE—**Pkt., 15c; 1/8 oz., 50c.**

HALLAWELL'S GIANT MIXED—A wonderful mixture of extra large flowering varieties with conspicuous white eyes. **Pkt., 15c; 1/4 oz., 75c.**

MAMMOTH MIXED—**Pkt., 10c; 1/4 oz., 50c.**

ERINOIDES (Moss Verbena)—This lovely variety produces a mass of moss-like foliage, spreading over the ground like a carpet, above which are borne heads of purplish blue flowers in great profusion from June until frost. A very desirable rock plant. **Pkt., 10c; 1/8 oz., 30c; 1/4 oz., 50c.**

VENOSA (Hardy Garden Verbena)—This variety is largely used for bedding purposes. It is a strong, thrifty grower, about 1 foot high and covered from early summer until late fall with its bright purplish Heliotrope-colored flowers. **Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 60c.**

THALICTRUM

(Meadow Rue)

DIPTEROCARPUM—A hardy perennial of vigorous growth, 4 to 5 feet high. The dainty rosy purple flowers are brightened by a bunch of conspicuous yellow stamens and are produced in graceful sprays from July until September. **Pkt., 25c; 1/8 oz., 50c.**

THUNBERGIA

(Black-Eyed Susan)

A tender annual trailing plant, growing about 4 feet long and valuable for low fences or hanging baskets. Prefers a sunny situation. Blossoms are buff, orange or white, with dark centers. **Mixed. Pkt., 10c; 1/4 oz., 30c.**

TITHONIA

(Mexican Sunflower)

SPECIOSA—This native annual of Mexico is one of the most useful late fall flowers we have, growing to a height of 8 to 10 feet, of free branching habit and is covered with orange-scarlet flowers until cut down by extreme frost. As a cut flower this will be highly prized for decorative purposes. Seed should be sown in April or May and planted out when 8 inches high. **Pkt., 15c; 1/4 oz., 60c.**

TORENIA

A half hardy annual, with trumpet-shaped flowers and growing 4 to 6 inches high; in bloom all summer. Good for hanging baskets or borders, or for bedding. Sow in boxes from February to May.

FOURNIERI—Velvety blue, with three dark spots of indigo and a bright yellow throat. **Pkt., 15c; 1/8 oz., 40c.**

WHITE WINGS—White, tinted with rose at throat. **Pkt., 15c.**

BAILLONII—Yellow with brown markings. **Pkt., 25c.**

TRACHELIUM

COERULEUM—A free flowering perennial producing large cloud-like heads of tiny pale mauve flowers; 1 1/2 feet. **Pkt., 25c.**

URSINIA

(Jewels of the Veldt)

ANETHOIDES NEW HYBRIDS—A brilliant colored Daisy-like half hardy annual from South Africa; the flowers remaining open until dark. The dwarf plants form large tufts of finely cut foliage from which spring up long wiry stems carrying flowers in yellow, flesh and orange shades over 2 inches in diameter, each with a purple zone around the center. Height, 1 foot. Sow the seed in boxes in early spring and transplant to a sunny position after danger from severe frost. **Pkt., 20c; 1/8 oz., 75c.**

VALERIAN

Showy plants for mixed borders or shrubberies, bearing large corymbs of bright flowers; bears shade and moisture well. Hardy perennial 2 1/2 feet.

Crimson, White or Rose. Pkt., 15c; 1/4 oz., 35c.

Mixed. Per pkt., 10c; 1/4 oz., 35c.

VENIDIUM

FASTUOSUM—A half hardy South African annual about 2 to 3 feet high, with long serrated grayish hairy foliage and flowers 3 inches across of a most brilliant orange with dark center and maroon zone. Sow the seed in boxes in March or April and transplant to a sunny position. **Pkt., 25c; 1/8 oz., 65c.**

VERONICA

(Speedwell)

LONGIFOLIA—A hardy perennial producing long spikes of brilliant blue flowers; 2 feet high. Excellent for growing in shady places and requiring plenty of moisture. **Pkt., 15c.**

VIOLA

(Tufted Pansies)

Very free-blooming hardy perennial plants. Flowers are not so large as in other varieties of Pansies, but are produced in much greater numbers and also bloom for a longer season. Valuable for edging beds and borders.

ARKWRIGHT RUBY—Dark crimson-scarlet with central markings. Pkt., 35c; 1/8 oz., \$1.15.

BLUE PERFECTION—Deep purplish blue. Pkt., 15c; 1/8 oz., 75c.

CHANTREYLAND—Pure apricot; free flowering. Pkt., 25c; 1/8 oz., 85c.

JERSEY GEM—Forms a large compact plant. The flowers are a deep violet-blue with an occasional very slight variation in tint. Pkt., 25c; 1/8 oz., \$1.00.

LUTEA GRANDIFLORA—Fine yellow. Pkt., 15c; 1/8 oz., 50c.

PAPILIO—Lavender with white eye. Pkt., 15c; 1/8 oz., 60c.

VIOLET PERFECTION—Papilio type. Pkt., 15c; 1/8 oz., 60c.

WHITE PERFECTION—Large white. Pkt., 15c; 1/8 oz., 60c.

MIXED COLORS—Pkt., 10c; 1/8 oz., 60c.

VIRGINIA STOCKS—See page 29.

VISCARIA

A beautiful hardy annual and one of the easiest to grow. The flowers are similar in shape to a single Pink; it is extremely free flowering and makes brilliant clumps in the border. Height, 1 foot. For summer flowering seed may be sown in the open from March until May, or in September and October for early flowering next season.

CANDIDA—Pure white. Pkt., 10c; 1/4 oz., 30c.

COMPACTA CARNEA—Delicate pink, 8 inches in height; also excellent as pot plants. Pkt., 15c; 1/8 oz., 30c.

DELPHINIUM BLUE—Pure bright blue. Pkt., 15c; 1/8 oz., 35c.

FIRE KING—Brilliant scarlet. Pkt., 15c; 1/8 oz., 50c.

OCULATA ROSE—Rich rose with darker eye. Pkt., 10c; 1/4 oz., 30c.

Collection of the above 5 sorts, 55c.

MIXED COLORS—Pkt., 10c; 1/4 oz., 25c; oz., 75c.



Viscaria



Viola, Blue Perfection

WALLFLOWER

An old fashioned perennial which is always popular. Grows 1 to 2 feet high and bears long stems of fragrant flowers. It is best to renew the plants every 2 or 3 years by resowing the seed. For extra early bloom next season, sow in May or June.

SINGLE BLOOD RED—Pkt., 10c; 1/4 oz., 30c.

SINGLE CLOTH OF GOLD—Rich golden yellow. Pkt., 10c; 1/4 oz., 30c.

SINGLE FIRE KING—Vivid orange. Pkt., 10c; 1/4 oz., 30c.

SINGLE GOLIATH—Large dark brown flowers; a splendid variety. Pkt., 10c; 1/4 oz., 30c.

SINGLE PRIMROSE—Pkt., 10c; 1/4 oz., 30c.

Collection of the above 5 sorts, 45c.

SINGLE EXTRA FINE MIXED—All colors. Pkt., 10c; 1/4 oz., 20c; oz., 50c.

DOUBLE EXTRA CHOICE MIXED—This mixture contains many beautiful colors. Pkt., 20c; 1/8 oz., 85c.

DOUBLE MIXED—Pkt., 10c; 1/8 oz., 50c.

PARISIAN—A single flowering type, which may be treated as an annual, flowering the first year from seed.

RED, YELLOW or MIXED—Per pkt., 10c; 1/4 oz., 25c; oz., 75c.

WILD FLOWERS OF CALIFORNIA

BARTONIA AUREA

CLARKIA ELEGANS

COLLINSIA

ESCHSCHOLTZIA CALIF.

GILIA CAPITATA

GODETIA AMOENA

LEPTOSYNE MARITIMA

LUPIN NANUS

NEMOPHILA INSIGNIS

PHACELIA CAMPANULARIA

PHACELIA WHITLAVIA

SALVIA CARDUACEA

Collection of one packet each of the above 12 best hardy sorts for \$1.00.

California Wild Flower Mixture. Pkt., 10c; oz., 50c; 1/4 lb., \$1.50; lb., \$5.00.

Mixture of Wild and Hardy Cultivated Flower Seeds. Pkt., 10c; oz., 35c; 1/4 lb., \$1.90; 1/2 lb., \$1.65; lb., \$3.00.

XERANTHEMUM

A bright and pretty "Everlasting" with silvery foliage and silky flowers in rose, white and purple, which are not only showy in the garden, but very useful as dried flowers in winter bouquets. Grows 2 to 3 feet high, can be sown in the open in spring. Pkt., 10c; 1/4 oz., 25c.



Zinnia, Desert Gold

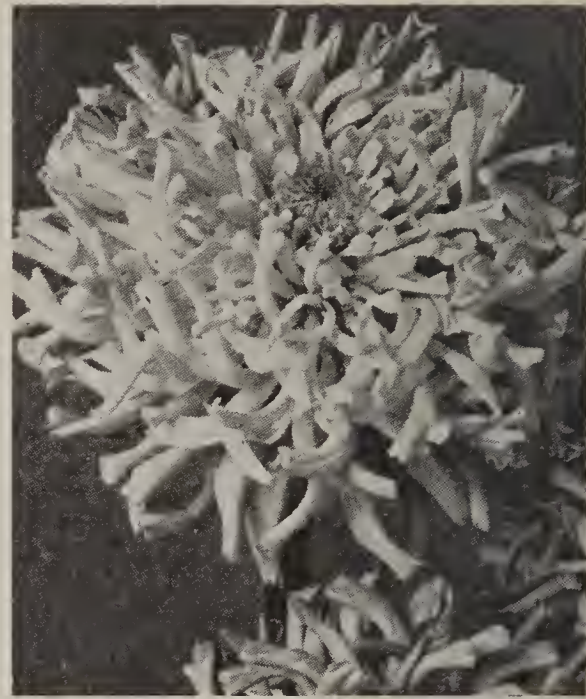
ZINNIA DESERT GOLD

Beautiful yellow shades with each petal overlaid at the base with deeper golden color. **Pkt., 20c; ¼ oz., 60c.**

ZINNIA SCABIOSA FLOWERED

AUTUMN TINTS

Interesting type with crested center and wider guard petals in rich autumn shades. A fine cutting variety. **Pkt., 20c; ¼ oz., 85c.**



Zinnia, Fantasy

ZINNIAS

The Zinnia is one of the most brilliant and showy of annuals, and has long been a general favorite. They come into flower early in the summer and keep on blooming until hard frost; half hardy. The seed should not be sown too early. March is quite early enough. Start in boxes in a warm place to be transplanted to a sunny position after danger from frost. Splendid Zinnias may be grown from seed sown in the open where the plants are to remain, after the ground becomes thoroughly warm. Seed may be sown until July for very late blooming.

Giant Dahlia Flowered

The plants of this new race are strong and of vigorous habit, fully 3 feet high, producing many flowers with stout stems, in a wide range of colors. The flowers in full bloom often measure 4 inches in depth and 6 to 8 inches in diameter, closely resembling Show Dahlias. Transplant from 12 to 15 inches apart each way.

CANARY BIRD—A bright shade of primrose-yellow. **Pkt., 15c.**
CRIMSON MONARCH—Rich crimson; flowers often eight inches in diameter. **Pkt., 15c.**

DREAM—Deep lavender turning to purple. **Pkt., 15c.**

EXQUISITE—Rich light rose with deeper rose center. **Pkt., 15c.**

GOLDEN DAWN—Deep golden yellow of immense size. **Pkt., 15c.**

GOLDEN STATE—A very rich orange-yellow. Yellow in the bud turning to an attractive orange. **Pkt., 15c.**

ILLUMINATION—Similar to Exquisite, but a striking self color of deep rose. **Pkt., 15c.**

ORIOLE—Immense flowers of orange and gold. **Pkt., 15c.**

POLAR BEAR—Very large pure white. **Pkt., 15c.**

SCARLET FLAME—Scarlet with a blending of orange throughout the petals. **Pkt., 15c.**

YOUTH—Light flesh. **Pkt., 15c.**

Any of the above varieties, ¼ oz., 50c.

Collection of 6 packets of any of the above varieties for 75c.

HALLAWELL'S SPECIAL MIXTURE—A well blended mixture containing all the very best sorts. **Pkt., 15c; ¼ oz., 45c; ½ oz., 75c; oz., \$1.35.**

Fantasy

Medium sized shaggy flowers with twisted petals. Long lasting qualities and informal appearance of the flower make it particularly desirable for cutting. Height 2½ to 3 feet.

STAR DUST (New)—Golden yellow. **Pkt., 20c; ¼ oz., 65c.**

FANTASY MIXTURE—Fine assortment of brilliant and pastel shades. **Pkt., 15c; ¼ oz., 50c.**

California Giant

A special strain which produces flowers of enormous size with smaller flat centers and more loosely placed petals. The petals are decidedly imbricated and the flower from bud to full bloom presents a graceful appearance. The plants are of vigorous and free blooming habit, fully 3 feet high and should be set 12 to 15 inches apart.

ENCHANTRESS—Light rose, deep center. **MISS WILLMOTT**—Soft pink.

GOLDEN QUEEN—Golden yellow. **ORANGE KING**—Burnt orange.

GRENADIER—Rich dark red. **PURITY**—Pure white.

LAVENDER GEM—Deep lavender. **ROSE QUEEN**—Bright rose.

SCARLET QUEEN—Glowing scarlet.

Any of the above varieties. **Pkt., 15c; ¼ oz., 50c.**

CALIFORNIA GIANT FINEST MIXED—**Pkt., 15c; ¼ oz., 45c; ½ oz., 75c; oz., \$1.35.**

Lilliput or Pompon

A pretty type of compact habit not over 15 inches high, bearing in great profusion small, densely double flowers on long stems, held well above the foliage. Makes a good border or bed and is of more than usual value for cutting. Transplant 8 inches apart each way.

	Per pkt.		Per pkt.
CANARY YELLOW	15c	ORANGE GEM	15c
GOLDEN ORANGE	15c	SALMON ROSE	15c
CRIMSON GEM	15c	WHITE GEM	15c
LILAC GEM	15c	SCARLET GEM	15c

Any of the above colors, ¼ oz., 35c.

PASTEL SHADES MIXTURE—Lovely soft shades of apricot, yellow, pink, and orchid. Fine for bouquets in the home. **Pkt., 15c; ¼ oz., 45c.**

DOUBLE LILLIPUT or POMPON MIXED—**Pkt., 10c; ¼ oz., 30c; oz., 85c.**

Mission Giant

Not as large flowered as the California Giant type, but exceptionally double and in a wonderful range of bright and pastel shades. Splendid for mass effect and for cutting.

MIXTURE—**Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.50.**

Haageana Hybrids (Mexicana or Miniature Zinnias)

Flowers are the size of a large Daisy, semi-double and double. The colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia and the Chrysanthemum. Extremely free flowering and pretty; 12 inches high. **Pkt., 15c; ¼ oz., 60c.**

CLASSIFICATION OF FLOWER SEEDS

HEIGHTS

ANNUALS

Tall—2½ Feet and Up

- | | | |
|---------------|------------------|---------------|
| Amaranthus | Larkspur, Annual | Salpiglossis |
| Aster | Lavatera Sunset | Scabiosa |
| Calliopsis | Marigold, | Snapdragon, |
| Celosia, Tall | Tall French | Maximum |
| Cleome | Marigold, | Stocks |
| Cornflower | Tall African | Sunflower |
| Cosmos | Nicotiana | Tithonia |
| Helichrysum | Poppy, Double | Zinnia, Giant |
| Kochia | Rudbeckia | |

Medium—1 to 2 Feet

- | | | |
|------------------|---------------------|--------------------|
| Ageratum, | Dimorphotheca | Mathiola |
| Blue Perfection | Eschscholtzia, or | Mignonette |
| Alonsoa | California Poppy | Nasturtium, Dwarf |
| Anchusa | Euphorbia | Nigella, or |
| Arctotis Grandis | Variegata | Love-in-a-Mist |
| Aster | Four-O'Clock | Petunia |
| Balsam | Gaillardia | Poppy |
| Bartonia Aurea | Gilia | Phlox |
| Browallia | Godetia | Saponaria Vaccaria |
| Calendula | Gypsophila | Schizanthus |
| Candytuft | Hunnemannia, | Snapdragon, |
| Centaurea | or Bush | Intermediate |
| Imperialis | Eschscholtzia | Statice |
| Chrysanthemum | Leptosyne | Stocks, Ten Weeks |
| Clarkia | Linum, Scarlet Flax | Viscaria |
| Collinsia | Lupines | Zinnia, Pompon |
| Dianthus | Marigold, | |
| Didiscus | Dwarf French | |

Dwarf—6 to 12 inches

- | | | |
|---------------------|-------------------|--------------------|
| Ageratum, Dwarf | Cuphea | Petunia, Compact |
| Alyssum | Gilia Micrantha | Phacelia |
| Anagallis | Godetia, Semi- | Portulaca |
| Brachycome | Dwarf | Sanvitalia |
| Browallia, Sapphire | Linaria Maroccana | Silene |
| Calliopsis Tiger | Lobelia Compacta | Sweet Peas, Cupid |
| Star | Marigold, Signata | Torenia |
| Candytuft, Dwarf | Nemesia | Ursinia |
| Celosia, Dwarf | Nemophila | Virginia Stocks |
| Convolvulus Minor | Pansy | Viscaria, Compacta |

PERENNIALS

Tall—2½ Feet and Up

- | | | |
|-----------------|-----------------|------------------|
| Anchusa | Hibiscus | Rudbeckia |
| Campanula, Tall | Hollyhock | Salvia Azurea |
| Castor Oil Bean | Honesty | Salvia Splendens |
| Chelone | Larkspur, | Salvia Farinacea |
| Dahlia | Perennial | Scabiosa |
| Delphinium | Lavender | Caucasica |
| Digitalis | Lobelia | Sweet Rocket |
| Geranium | Cardinalis | Thalictrum |
| Heliopsis | Lupines | Valerian |
| Heliotrope | Poppy, Oriental | |

Medium—1 to 2 Feet

- | | | |
|------------------|---------------|------------------|
| Agatheia | Coreopsis | Platycodon |
| Agrostemma | Cynoglossum | Poppy, Iceland |
| Asclepia | Dahlia, Dwarf | Potentilla |
| Begonia, Fibrous | Hybrids | Pyrethrum |
| Rooted | Daisy, Shasta | Grandiflorum |
| Begonia, | Forget-Me-Not | Rehmannia |
| Tuberous | Gaillardia | Salvia Patens |
| Candytuft, | Geum | Scabiosa |
| Perennial | Gerbera | Columbaria |
| Carnation | Heuchera | Stocks, Brompton |
| Centaurea | Sanguinea | Sweet William |
| Montana | Linum Perenne | Trachelium |
| Cheiranthus | Lychnis | Verbena |
| Cineraria | Meconopsis | Veronica |
| Columbine | Pentstemon | (Speedwell) |
| | Physostegia | Wallflower. |

Dwarf—6 to 12 inches

- | | | |
|------------------|----------------|----------------|
| Alyssum Saxatile | Cerastium | Matricaria, |
| Anemone | Daisy, English | Golden Ball |
| Arabis | Dianthus | Nierembergia |
| Aubrietia | Plumarius | Primula, |
| Campanula | Diascia | Polyanthus |
| Carpatica | Forget-Me-Not | Pyrethrum, |
| Centaurea, | Freesia | Golden Feather |
| Dusty Miller | | Ranunculus |
| | | Viola |

FOR SPECIAL PURPOSES

FOR CUT FLOWERS

- | | | |
|---------------------|---------------|----------------|
| Acroclinium | Dahlia | Phlox |
| Anemone | Delphinium | Poppy, Iceland |
| Arctotis | Didiscus | Pyrethrum |
| Aster | Gaillardia | Ranunculus |
| Brachycome | Gerbera | Rhodanthe |
| Calendula | Godetia | Salpiglossis |
| Calliopsis | Gypsophila | Scabiosa |
| Candytuft | Helichrysum | Shasta Daisy |
| Carnation | Heuchera | Snapdragon |
| Celosia | Hunnemannia | Statice |
| Centaurea | Larkspur | Stock |
| Chrysanthemum | Lupine (Per.) | Sunflower |
| Cineraria, Stellata | Marigold | Sweet Peas |
| Coreopsis | Mignonette | Thalictrum |
| Cornflower | Pentstemon, | Zinnia |
| Cosmos | Miniature | |

FOR SHADE (*), OR PARTIAL SHADE

- | | | |
|--------------|----------------|------------|
| Begonia | Forget-Me-Not | Pansies |
| *Calceolaria | Foxglove | Pentstemon |
| *Cineraria | Heuchera | Primula |
| Clarkia | Kenilworth Ivy | Snapdragon |
| Collinsia | *Meconopsis | Thalictrum |
| *Columbine | Mignonette | *Valerian |
| *Cyclamen | *Mimulus | Viola |
| Cynoglossum | Nemophila | Wallflower |

GREENHOUSE PLANTS

- | | | |
|-------------------|-----------------|--------------------|
| Achimenes | Cineraria | Mimosa |
| Asparagus Fern | Coleus | Nemesia |
| Begonia, Tuberous | Cyclamen | Physalis |
| Begonia, Fibrous | Diascia | Primula |
| Rooted | Exacum | Rehmannia |
| Browallia Major | Gesneria | Saintpaulia |
| Calceolaria | Gloxinia | Schizanthus |
| Celosia, Glasgow | Impatiens | Solanum |
| Prize | Linaria "Fairy | Streptocarpus |
| Celosia, Pride of | Bouquet" | Torenia |
| Castle Gould | Lobelia Tenuoir | Viscaria, Compacta |

FOR ROCKERIES

- | | | |
|-------------------|--------------------|-------------------|
| Abronia Umbellata | Dianthus Deltoides | Pentstemon, |
| Alyssum Saxatile | Diascia | Blue Gem |
| Arabis | Forget-Me-Not | Portulaca |
| Aster, | Heuchera | Sanvitalia |
| Sub-Coeruleus | Sanguinea | Saponaria |
| Aubrietia | Iberis | Ocymoides |
| Cerastium | Kenilworth Ivy | Statice Latifolia |
| Dianthus Caesius | Lobelia, Trailing | Thunbergia |
| | Nierembergia | Verbena |

FOR WINDOW BOXES

- | | | |
|----------------|----------------|--------------|
| Agatheia | Forget-Me-Not | Nasturtium |
| Alyssum | Geranium | Nierembergia |
| Arabis | Heuchera | Nemesia |
| Asparagus Fern | Kenilworth Ivy | Pansy |
| Begonia | Lobelia | Petunia |
| Dianthus | Mimulus | Verbena |
| | | Viola |

ANNUAL VINES

- | | | |
|---------------------|--------------------|------------------|
| Scarlet Runner Bean | Dolichos | Mina Lobata |
| Canary Bird Vine | Gourds, Ornamental | Moonflower |
| Cardinal Climber | Humulus, or | Nasturtium, Tall |
| Cypress Vine | Japanese Hop | Sweet Peas |
| Convolvulus, | Ipomoea | |
| Morning Glory | | |

PERENNIAL VINES

- | | | |
|---------------------|---------------------|--------|
| Australian Pea Vine | Lathyrus Latifolius | Smilax |
| Cobaea Scandens | | |

EVERLASTING FLOWERS

- | | | |
|-------------|-----------|-------------|
| Acroclinium | Honesty | Statice |
| Gomphrena | Rhodanthe | Xeranthemum |
| Helichrysum | | |

Seasons to Sow Flower Seeds in Central California

(Reference to lower left column on inside front cover will assist in adapting this table to other sections as well)

This list enables one to tell at a glance when the various flower seeds may be sown. As some perennials will bloom the same season if sown early in the year, we have stated the latest time in spring that they may be sown for this purpose. Several varieties of hardy annuals if sown in the fall will come into bloom earlier than if sown in the spring, even if the plants do not make much progress during the cold weather. Tender and half hardy annuals, if sown early, should be started in a warm, sheltered position and transplanted when the cold weather is over.

HA—Hardy Annual.
HP—Hardy Perennial.

TP—Tender Perennial.
HHA—Half Hardy Annual.
HB—Hardy Biennial.

HHP—Half Hardy Perennial.
TA—Tender Annual.

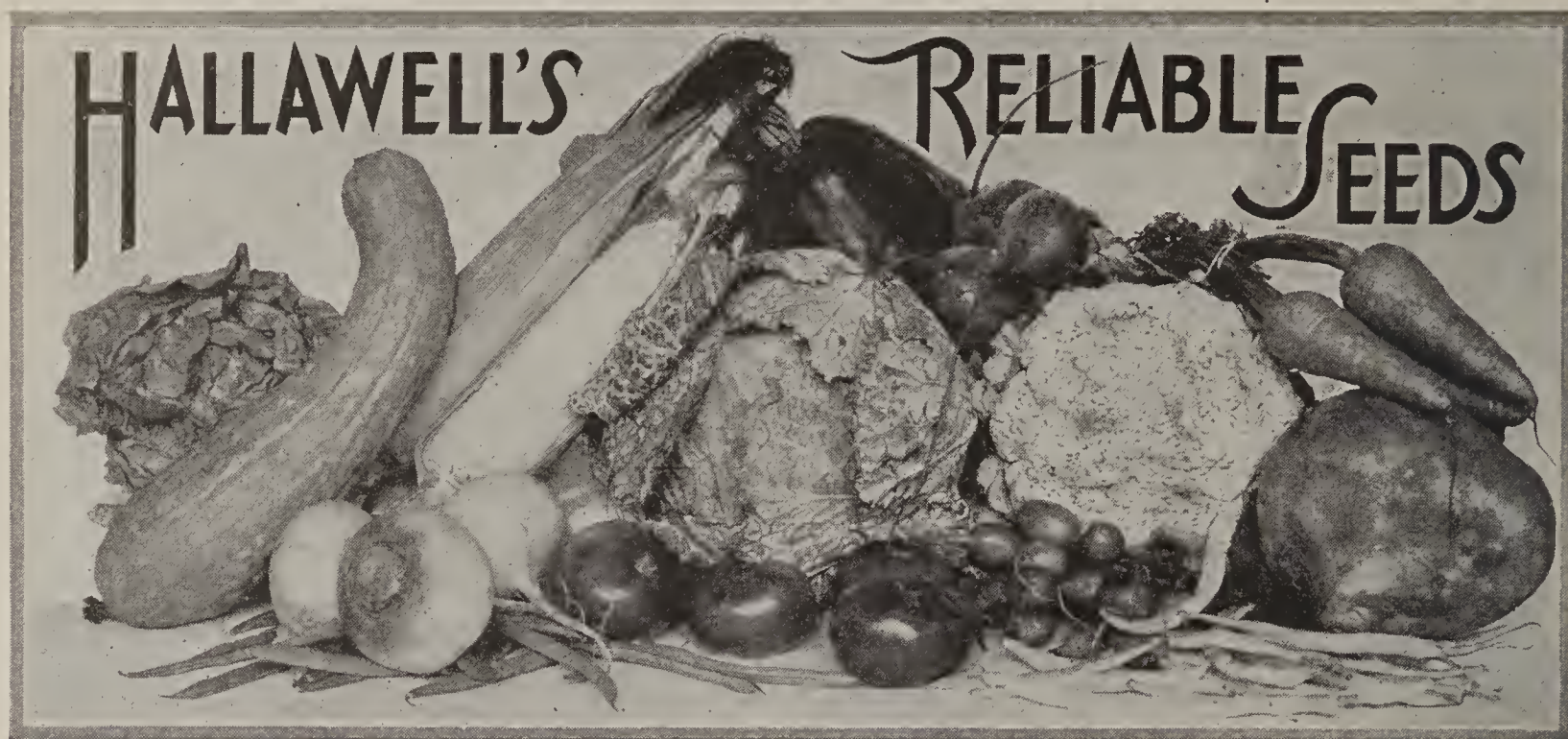
Abronia HP	August to March	Gaillardia HHA	February to May
Achimenes TP	Feb. to April, June to Aug.	Gaillardia HP	June to March
Acroclium HA	September to June	Gerbera HHP	March to September
Agathe HP	May to September	Gesneria TP	Jan. to Mar., June to Aug.
Ageratum HHA	February to May	Geum HP	June to March
Agrostemma HP	June to March	Gilla HA	September to June
Alyssum HA	All year round	Gloxinia	Jan. to Mar., June to Aug.
Alonsoa HHA	February to May	Godetia HA	September to June
Amaranthus TA	February to May	Gomphrena HHA	February to May
Anagallis HA	September to June	Gourds TA	April and May
Anchusa HP	May to September	Gypsophila Elegans HA	October to July
Anchusa HA	August to March	Gypsophila Paniculata HP	May to September
Anemone HP	March to July		
Arabis HP	May to September	Helichrysum HA	February to May
Arctotis HA	September to May	Heliopsis HP	May to September
Asparagus	January to May	Heliotrope HHP	August to March
Aubrietia HP	May to September	Heuchera HP	May to September
Australian Pea Vine HHP	May to September	Hibiscus HP	May to September
Aster HHA	February to June	Hollyhock HP	May to September
Aster Perennial HP	May to September	Honesty HP	May to September
Balloon Vine TA	March 15 to May	Humulus (Japonicus) HHA	March to May
Balsam TA	February to June	Hunnemannia TA	April to June
Bartonia HA	September to May		
Begonia	Jan. to March, June to Aug.	Impatiens TP	March to June
Brachycome HA	February to June	Ipomoea (Moonflower) HHA	March 15 to May
Browallia HA	February to June		
Calceolaria	June to September	Kenilworth Ivy HP	May to September
Calendula HA	All year round	Kochia HA	February to May
Calliopsis HA	February to June		
Campanula HP	May to September	Larkspur HA	September to April
Canterbury Bells HB	April 15 to August 15	Lathyrus HP	May to October
Canterbury Bells, Annual	September to February	Lavatera Splendens HA	March to May
Canary Bird Flower TA	March 15 to June	Lavender HP	May to September
Candytuft HA	All year round	Leptosyne HHA	February to June
Candytuft HP	May to September	Linaria Maroccana HA	September to July
Canna HP	February to June	Linum Scarlet Flax HA	February to June
Cardinal Climber TA	April and May	Lobelia HHA	November to May
Carnation HP	August to March	Lupin HA	September to May
Castor Bean HHP	March to June	Lupin HP	June to March
Celosia (Cockscomb) TA	February to May	Lychnis HP	May to September
Centaurea Sweet Sultan HA	September to March		
Cerastium HP	May to September	Marigold HHA	February to May
Cheiranthus HB	August to March	Mathiola HA	September to May
Chrysanthemum HA	February to June	Matricaria HP	September to March
Chelone HP	May to September	Maurandia HHP	September to March
Cineraria HHP	May to Oct., Dec. to Mar.	Meconopsis HP	March to September
Clarkia HA	September to June	Mignonette HA	All year round
Cleome TA	March 15 to May	Mimosa (Sensitive Plant)	February to May
Cobaea HP	August to March	Mimulus HHP	September to March
Coleus TP	March to May	Mina Lobata HHA	March 15 to May
Collinsia HA	September to May	Momordica HHA	March 15 to May
Columbine HP	April to September	Morning Glory HHA	March 15 to May
Coreopsis HP	August to March		
Cornflower or Bachelor's Button HA	September to May	Nasturtium TA	March 15 to June
Cosmos HHA	February to June	Nemesia HHA	Feb. to June, Aug. & Sept.
Cuphea TA	February to May	Nemophila HA	September to March
Cyclamen TP	August to March	Nicotiana HHA	February to May
Cynoglossum HP	June to March	Nierembergia HHP	September to March
Cypress Vine TA	March 15 to May	Nigella HA	September to May
Dahlia HHP	January to March	Pansy, for spring blooming HA	July to October
Daisy HP	August to March	Pansy, for summer and late blooming HA	February to May
Daisy, Shasta HP	May to September	Pentstemon HP	July to March
Delphinium HP	June to November	Petunia TP	January to May
		Phacelia HA	September to June
Dianthus (Pinks) HA	September to May	Phlox HA	September to May
Dianthus HP	May to September	Physalis TA	February and March
Diascia HP	August to March	Physostegia HP	May to September
Didiscus HHA	February to June	Platycodon HP	May to September
Dimorphotheca HHA	February to June	Poppy, Annual	September to June
Dolichos, Hyacinth Bean TA	March to May	Poppy, Iceland HP	August to March
		Poppy, Oriental HP	May to September
Eschscholtzia (Calif. Poppy) HA	September to May	Portulaca HA	April to June
Euphorbia TA	February to May	Potentilla HP	May to September
Exacum TA	Mar. & April, Aug. to Sept.	Primrose, Hardy Sorts	May to September
		Primula, Greenhouse Sorts	February to May
Forget-Me-Not HP	June to November	Pyrethrum (Golden Feather) HP	September to March
Four O'Clock HA	February to April	Pyrethrum Hybrids HP	May to September
Foxglove (Digitalis) HP	May to September		
Freesia HP	February to August		

Seasons to Sow Flower Seeds—Continued

Ranunculus HP	July to Nov., Feb. to Apr.	Sunflower TA	April to June
Rehmannia HHP	May to September	Sweet Peas HA	August to April
Rhodanthe HA	October to June	Sweet Rocket HP	August to March
Rudbeckia, Annual	February to May	Sweet William HP	May to September
Rudbeckia HP	May to September	Sweet Wivelsfield HA	September to May
Saintpaulia TP	Jan. to Mar., June to Aug.	Thalictrum HP	May to September
Salpiglossis HHA	February to May	Thunbergia TA	February to May
Salvia Splendens HHP	February to April	Tithonia	April and May
Salvia HP	May to September	Torenia HHA	February to May
Sanvitalia HA	February to May	Trachelium HP	May to September
Saponaria Ocymoides HP	May to September	Ursinia HHA	February to May
Saponaria Vaccaria HA	August to May	Valerian HP	May to September
Scabiosa HA	August to May	Venidium HHA	March to June
Schizanthus HHA	February to June	Verbena, for spring bloom HHP	August to November
Schizanthus, for winter blooming in pots HHA	July to September	Verbena, for summer bloom HHP	February to May
Silene HA	August to April	Veronica HP	May to September
Smilax TP	All year round	Viola (Tufted Pansies) HP	August to March
Snapdragon, for spring bloom HA	August to November	Virginia Stocks HA	All year round
Snapdragon, for summer and fall bloom HA	February to April	Viscaria HA	September to May
Solanum (Jerusalem Cherry) HHP	February to May	Wallflower HP	May to September
Statice, Sinuata HA	September to April	Xeranthemum HA	February to May
Stocks, Summer HA	December to April	Zinnia HHA	March to June
Stocks, Winter HP	July to October		
Stokesia HP	May to September		
Streptocarpus TP	Jan. to Mar., June and July		

SEASONS TO PLANT VEGETABLES IN CENTRAL CALIFORNIA

VARIETY	When to Sow	Matures in About	Depth to Plant	One Ounce Will Sow a Row	Quantity for 1 Acre	Put Rows Apart	Distance Apart in the Row
Artichoke Seed	Early Spring	Second season	1 inch	200 feet	6 ounces	3 feet	2 feet
Artichoke Plants	January—April	Next season				5 feet	4 feet
Asparagus Seed	February—April	Third Spring	1 inch	100 feet	4 to 5 lbs.	2 feet	3 inches
Asparagus Roots	January—April	Next Spring	3 inches			4 to 6 feet	1 foot
Beans, Bush	April 15—August	45 to 65 days	1½ to 2 inches	1 lb. to 50 feet	50 lbs.	2 feet	4 inches
Beans, Pole	April 15—August	65 to 75 days	1½ to 2 inches	1 lb. to 100 hills	25 lbs.	4 ft. hills	4 ft. hills
Beets	All year round	65 to 75 days	1 inch	50 feet	6 lbs.	18 inches	3 to 4 inches
Broccoli	July	150 to 200 days	½ inch	1,500 plants	2 to 3 ounces	2½ feet	1½ feet
Brussels Sprouts	January—April July—October	150 days	½ inch	2,000 plants	2 to 3 ounces	2½ feet	2 feet
Cabbage, Early	January—April July—October	105 days	½ inch	2,000 plants	2 to 3 ounces	2 feet	1½ feet
Cabbage, Late	January—April July—October	150 days	½ inch	2,000 plants	2 to 3 ounces	2½ feet	2 feet
Carrot	All year round	60 to 90 days	½ inch	100 feet	3 to 4 lbs.	1½ feet	2 to 4 inches
Cauliflower	June—January	150 days	¾ inch	1,500 plants	2 to 3 ounces	2 feet	1½ feet
Celery	February—June	6 months	¾ inch	4,000 plants	2 ounces	2 feet	6 inches
Collards	All year round	100 days	½ inch	2,000 plants	2 to 3 ounces	2 feet	2 feet
Corn	April 15—July 15	80 to 100 days	1 inch	1 lb. to 100 hills	15 lbs.	3 ft. hills	2 ft. hills
Corn Salad	August—November	100 days	½ inch	50 feet		15 inches	4 to 6 inches
Cucumber	April 15—June 15	120 days	1 inch	100 hills	3 lbs.	4 ft. hills	4 ft. hills
Dandelion	May and June	6 months	½ inch	200 feet		18 inches	8 inches
Egg Plant	February—April	150 to 160 days	¾ inch	1,000 plants	3 ounces	2½ feet	2½ feet
Endive	June—October	100 days	½ inch	100 feet	4 lbs.	1½ feet	8 inches
Kale	January—April July—October	90 to 120 days	½ inch	2,000 plants	2 to 3 ounces	2 feet	1½ feet
Kohl Rabi	January—May July—October	120 days	½ inch	200 feet	4 lbs.	1½ feet	8 inches
Lettuce	All year round	65 to 90 days	¾ inch	200 feet	4 lbs.	1½ feet	6 inches
Muskmelon	April 15—June	120 to 140 days	1 to 2 inches	50 hills	3 lbs.	4 ft. hills	4 ft. hills
Watermelon	April 15—June	120 to 140 days	1 to 2 inches	25 hills	3 to 4 lbs.	8 ft. hills	8 ft. hills
Mustard	February—May		¾ inch	200 feet	2 to 3 lbs.	1½ feet	3 inches
Okra	April 15—June 15	75 days	1 inch	100 feet	8 lbs.	3 feet	1½ feet
Onion	November—March	150 days	¼ to ½ inch	200 feet	4 to 5 lbs.	1 foot	4 inches
Parsley	All year round	60 to 75 days	¾ inch	200 feet	3 lbs.	1 foot	6 inches
Parsnips	February—September	125 days	½ inch	200 feet	3 lbs.	1½ feet	8 inches
Peas	All year round	8 to 12 weeks	2 to 3 inches	1 lb. to 100 ft.	80 to 150 lbs.	1½ to 3 feet	2 inches
Pepper	February—March	140 to 150 days	¾ inch	1,000 plants	3 ounces	2 feet	1½ feet
Potatoes	January—May	3 to 5 months	4 to 6 inches	8 lbs. to 100 ft.	500 to 600 lbs.	3 feet	15 to 18 inches
Pumpkin	April 15—June	100 days	1 to 2 inches	25 hills	5 lbs.	8 ft. hills	8 ft. hills
Radish	All year round	30 to 45 days	½ inch	100 feet	10 lbs.	1 foot	1 to 2 inches
Rhubarb	January—May	Second Spring	½ inch	150 feet	1 lb.	3 feet	3 feet
Rhubarb Roots	January—April	Next Spring	1 inch			6 feet	3 feet
Salsify	February—September	150 days	½ inch	50 feet	8 lbs.	15 inches	3 inches
Spinach	All year round	45 days	½ inch	100 feet	8 lbs.	1 foot	3 inches
Squash, Summer	May—June	65 days	1 to 2 inches	25 hills	4 to 6 lbs.	3 to 4 ft. hills	3 to 4 ft. hills
Squash, Winter	May—June	150 days	1 to 2 inches	15 hills	3 to 4 lbs.	6 to 8 ft. hills	6 to 8 ft. hills
Tomato	February—May	150 days	¾ inch	2,500 plants	¼ lb.	4 feet	4 feet
Turnip	August—April	60 to 70 days	½ inch	200 feet	3 to 4 lbs.	12 to 15 inches	3 to 4 inches



MARKET GARDENERS—Please write for prices on your quantity requirements.

ARTICHOKE

Sow any time the weather is favorable, preferably in March or April. Soil should be a light, moist loam and seed should be sown thinly in drills 1 inch deep. Transplant when 6 inches high in rows 5 feet apart, and 4 feet between the plants. Save offsets from best plants for new supply as artichokes never come true from seed, some will prove inferior. When transplanting seedlings reject those with spiniest leaves.

LARGE GREEN GLOBE—Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

ASPARAGUS

Sow the seed early in spring in drills 2 feet apart, and when well started thin out to 3 inches apart. When one or two years old transplant into permanent beds, thoroughly trenched, 2 feet or more in depth. Set the plants in rows 4 feet apart, and 1 foot apart in the row. Care should be taken that roots are well spread, and set at a depth of 6 inches below the level of the bed. Cover only 2 or 3 inches, and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every fall after the tops have been cut down apply a dressing of coarse manure, and in the spring fork it in. One ounce will sow 100 feet of row.

MARY WASHINGTON—A new variety which has proven to be nearly rust free. The plants form large, thick, heavy shoots which are dark green and of fine flavor; a heavy yielder. Pkt., 10c; oz., 15c; 2 ozs., 25c; $\frac{1}{4}$ lb., 35c.

Extra Selected Roots—40c per doz.; \$2.50 per 100 (postpaid within 4th zone).

LIMA BEANS

Limas are very sensitive to cold and overmoist ground and should not be planted until May, when the soil has warmed up. Stick the seed edgewise with the eye down into the soil, covering $1\frac{1}{2}$ to 2 inches deep. See that the ground is moist so that the beans will not require any watering until the seeds have sprouted, otherwise they may rot. Sow the bush varieties in rows $2\frac{1}{2}$ feet apart and 6 inches in the row. Plant the pole beans 4 feet apart in hills and set a pole firmly in each hill. Plant 5 or 6 beans in a hill. Plant in a rich, mellow soil and cultivate frequently. One pound of the bush varieties will plant 50 feet of row and 1 pound of the pole varieties will plant 75 hills.

BUSH

BURPEE'S IMPROVED BUSH LIMA—Plants uniformly dwarf and enormously productive. Pods large, containing 4 to 6 large thick beans of superior quality. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75.

HENDERSON'S BUSH LIMA—Valuable for its earliness. Pods short, containing 2 to 4 beans of excellent quality. Vines continue to grow and set pods until frost. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 5 lbs., \$1.50.

POLE

KING OF THE GARDEN—A vigorous and productive sort, pods very long, each containing 5 to 6 large beans of delicious flavor. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 5 lbs., \$1.50.

Seasons to plant Vegetables in Central California, see page 37.

BEANS

Postpaid only within 4th zone. See parcel post rates on inside front cover.

Beans should not be planted until April 15th, or until all danger from frost is over, and for a continuous supply should be planted every two weeks until August. A warm, well drained, sandy loam is best suited. Plant the bush varieties in rows 2 feet apart and 4 inches apart in the row. Plant pole beans in hills. Set the poles about 4 feet apart each way and plant 5 to 6 beans around each pole. Cover the seeds from 1½ to 2 inches deep. One pound of the bush varieties will plant 50 feet of row. One pound of the pole varieties will plant 100 hills.

Dwarf Beans GREEN PODDED

BOUNTIFUL—An early, hardy and productive variety, bearing thick, flat, light green pods of fine quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

STRINGLESS GREEN POD—One of the earliest varieties. Pods round, long and quite stringless, very crisp and tender. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

CANADIAN WONDER—Pods are flat, of great length and very tender. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

STRINGLESS REFUGEE—An excellent bean with pods averaging 5¼ inches in length. The pods are brittle and tender and quite stringless; meat thick and fleshy. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

BROAD WINDSOR, LONG POD (Fava)—A fine variety for shelling when green. Pods are very long and the beans green and tender; endures frost. Pkt., 10c; lb., 40c; 5 lbs., \$1.75.

FRENCH STRING BEAN—Matures very early. Pods long, round, straight and of excellent quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

DWARF HORTICULTURAL or CRANBERRY—Pods large, color green splashed with red, mostly used for shell beans. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

WAX PODDED

DAVIS WHITE WAX—Of compact, upright growth, producing a large yield of handsome, long pods, of a clear waxy white color; quite stringless. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

IMPROVED GOLDEN WAX—The golden yellow pods average 5 inches long; brittle and entirely stringless. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

PROLIFIC BLACK WAX—A very vigorous and prolific wax bean; stringless and tender; pods fairly long and golden yellow. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.



Davis White Wax Beans

POLE BEANS

BURGER'S POLE—In some sections this is called White Seeded Kentucky Wonder. Bears long, brittle pods of excellent quality, entirely stringless. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

HORTICULTURAL or SPECKLED CRANBERRY—Popular old variety. Pods 5 inches long, pale green, but become streaked with red when mature. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

KENTUCKY WONDER—The most popular pole bean in cultivation. The medium sized, silvery green pods hang in great clusters from top to bottom of pole. Quite stringless. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

KENTUCKY WONDER WAX—An exceedingly productive variety, bearing a large quantity of rich golden yellow pods which are thick, stringless and very tender. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

SCARLET RUNNER—A great favorite; both ornamental and useful; producing dazzling scarlet flowers during the summer months. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

MANGEL or STOCK BEET

For main crop sow about March 1st in rows 2 feet apart and thin to 8 inches apart in the row. Sow 6 pounds to 1 acre.

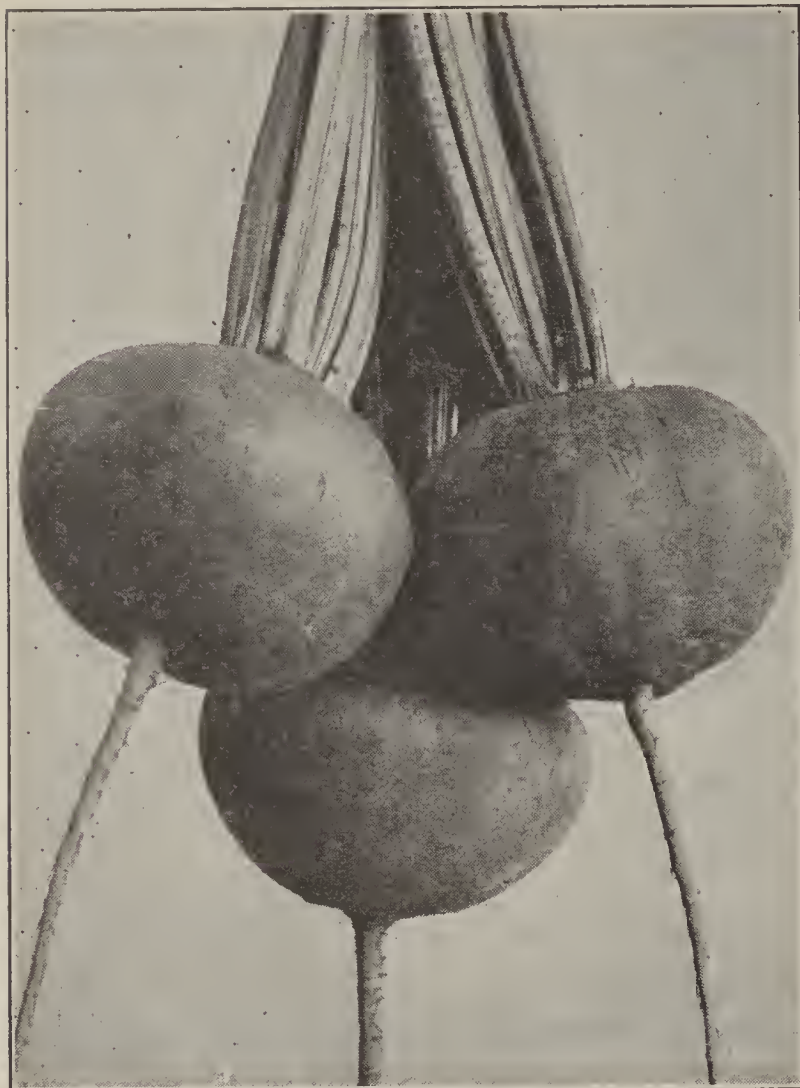
MAMMOTH LONG RED—The largest of the mangels and the heaviest cropper. The skin is red; flesh white zoned with red. This variety produces a larger amount of good feed than any other beet. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.50.

GOLDEN TANKARD—This is a distinct and superior strain of the yellow mangel, being much finer and firmer in flesh and containing more sugar. On account of its peculiar shape, enormous crops are grown when plants are set out closer in the rows than the ordinary mangel crops. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.50.

GIANT HALF SUGAR ROSE TOP—A very hardy variety, producing large crops with little care. The root is large and very rich in sugar, and while not sufficiently so for sugar purposes, it makes a remarkably fine, rich food for stock. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.50.

KLEIN WANZLEBEN SUGAR—For sugar-making. Contains a large percentage of saccharine matter. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.50.

Please include Sales Tax within the State of California



Crosby's Egyptian Beets

BEETS

Beets may be planted any time of the year and at intervals of 2 or 3 weeks. A rich sandy loam is most favorable. Sow seed about 1 inch deep in rows 18 inches apart and when well established thin the plants to stand 3 or 4 inches apart. One ounce will sow 50 feet of row.

CROSBY'S EGYPTIAN—Extremely early and of fine quality. More globe-shaped than Extra Early Egyptians and of a rich vermilion color; is sweet and tender. The most popular variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.

DETROIT DARK RED—An early globe-shaped variety; skin blood red and flesh rich red. Tops small and green. One of the best table varieties and of handsome appearance. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.35.

EARLY WONDER—Globe-shaped and very uniform in size, skin smooth. Flesh deep blood-red and extremely tender. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.

IMPROVED BLOOD TURNIP—A selected strain of Early Blood Turnip Beet. Flesh is blood red and of excellent quality; remains in good condition for a long time; tops are green. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; lb., \$1.10.

SWISS CHARD

Used for greens; the leaf stalks are cooked as Asparagus.

IMPROVED SILVER—Large green leaves with white mid-rib. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00.

GIANT LUCULLUS—Large crumpled leaves with thick light-colored mid-ribs which are delicious when cooked and served like Asparagus, while the leafy parts make excellent "greens." Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00.

BROCCOLI

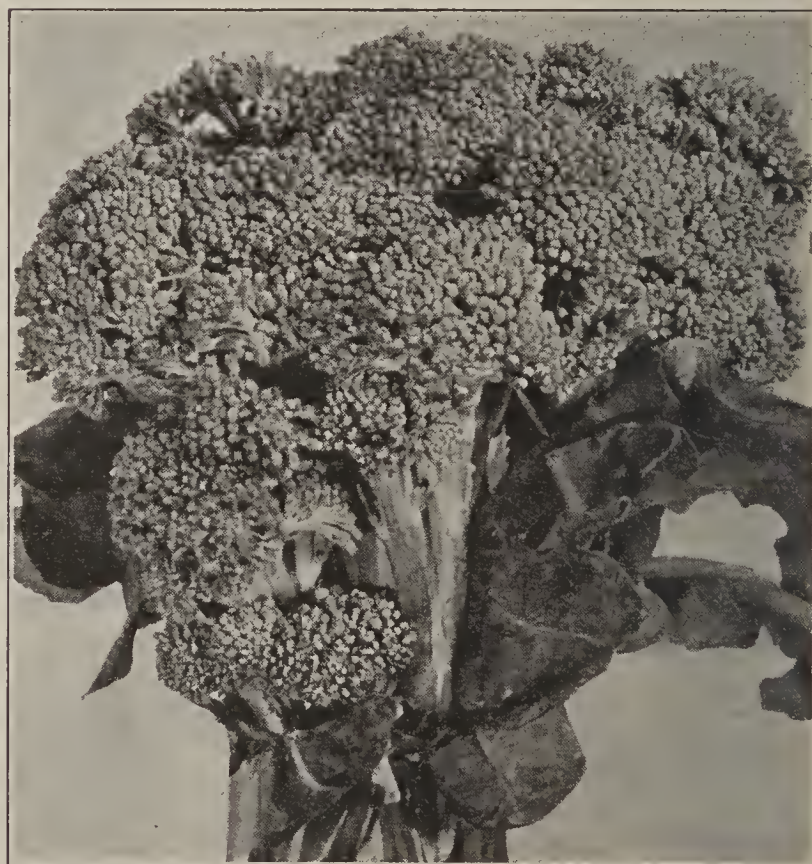
Broccoli is a very late hardy Cauliflower. Sow the seed $\frac{1}{2}$ inch deep and transplant to rows $2\frac{1}{2}$ feet apart and $1\frac{1}{2}$ feet apart in the row. Cultivate the same as Cabbage.

CALIFORNIA WONDER—A vigorous long leaved plant with heavy mid-ribs, is intermediate in type between the true Cauliflower and the Broccoli. Usually heads in January, but season can be varied by planting at different dates. Pkt., 10c; $\frac{1}{4}$ oz., 60c; $\frac{1}{2}$ oz., \$1.10; oz., \$2.00.

ITALIAN GREEN SPROUTING—The heads or curds branch and are broken off and cooked like Asparagus. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.15; lb., \$3.25.

LATE PEARL—Plants short stemmed, compact; with medium green leaves; head very white and well protected. Pkt., 10c; $\frac{1}{4}$ oz., 60c; $\frac{1}{2}$ oz., \$1.10; oz., \$2.00.

ST. VALENTINE—Heads are large, solid white and well protected with large leaves. Matures early in March. Pkt., 10c; $\frac{1}{4}$ oz., 60c; $\frac{1}{2}$ oz., \$1.10; oz., \$2.00.



Italian Green Sprouting Broccoli

CABBAGE

Seed may be planted almost any time of the year. However, there are three seasons preferable for sowing—in September for early spring cabbages, from January to April for summer and fall cabbages, and July to August for winter cabbages. Sow the seed $\frac{1}{2}$ inch deep and transplant the early varieties to rows 3 feet apart and 18 inches apart in the rows. They will mature in about 105 days. The late varieties mature in about 150 days and should be planted in rows 3 feet apart and 24 inches apart in the row. To prevent the heads from splitting open before they are ready to be harvested, the plants should be loosened a little at the root. Cabbages require plenty of moisture, but too much water may cause them to rot. One ounce will produce about 2,000 plants.

Early Varieties

COPENHAGEN MARKET—An early variety producing fine heads weighing 10 to 12 pounds, which are very solid and of excellent quality. It is the largest of the early round varieties. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

EARLY JERSEY WAKEFIELD—One of the best and most popular early varieties. Forms round, pointed heads of good size. Is very hardy and on account of its thick outside leaves is able to resist cold and other unfavorable conditions to a great extent. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.15; lb., \$3.25.

EARLY WINNIGSTADT—One of the best of the early pointed varieties. It is unsurpassed for its fine texture and its conical-shaped heart is solid, crisp and tender. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$2.50.

GOLDEN ACRE—The earliest round-headed cabbage. Plants are compact and form solid heads weighing 3 to 5 pounds. Heads should be ready for use 62 to 64 days after transplanting. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$3.50.

Second Early Varieties

EARLY DWARF FLAT DUTCH—Matures early and makes a large, solid, flat head with short stems. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Winter Varieties

DANISH BALL HEAD or **THE HOLLANDER**—Very round, solid winter sort, bluish green color; a good-keeping variety. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c.

LARGE FLAT DUTCH—The best late variety in cultivation; large, round, flat, solid heads of perfect shape. Less inclined to burst than many varieties in use; rich, deep green color; tender and of fine quality. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

RED CABBAGE

MAMMOTH RED ROCK—Best hard-headed, red variety. Large heads, globular and very deep red on top. Outer leaves greenish. Especially used for pickling. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.35; lb., \$4.00.

SAVOY CABBAGE

AMERICAN DRUMHEAD SAVOY—The largest heading Savoy; the quality and flavor of this crumpled-leaf cabbage is very fine. It is sweet and tender. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$3.75.



American Drumhead Savoy Cabbage

CHINESE CABBAGE

CHINESE CABBAGE, WONG BOK, ALSO CALLED CELERY CABBAGE—It has wide mid-ribs at the base merging into crisp, tender leaves at the top. Has a mild cabbage flavor and is very delicious. It is odorless while being cooked. Excellent for use as a salad or when boiled for greens. The culture for Wong Bok is the same as for late cabbage. When well grown the plants should be blanched by tying loosely with burlap. Set the plants 1 foot apart in the row. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

BRUSSELS SPROUTS

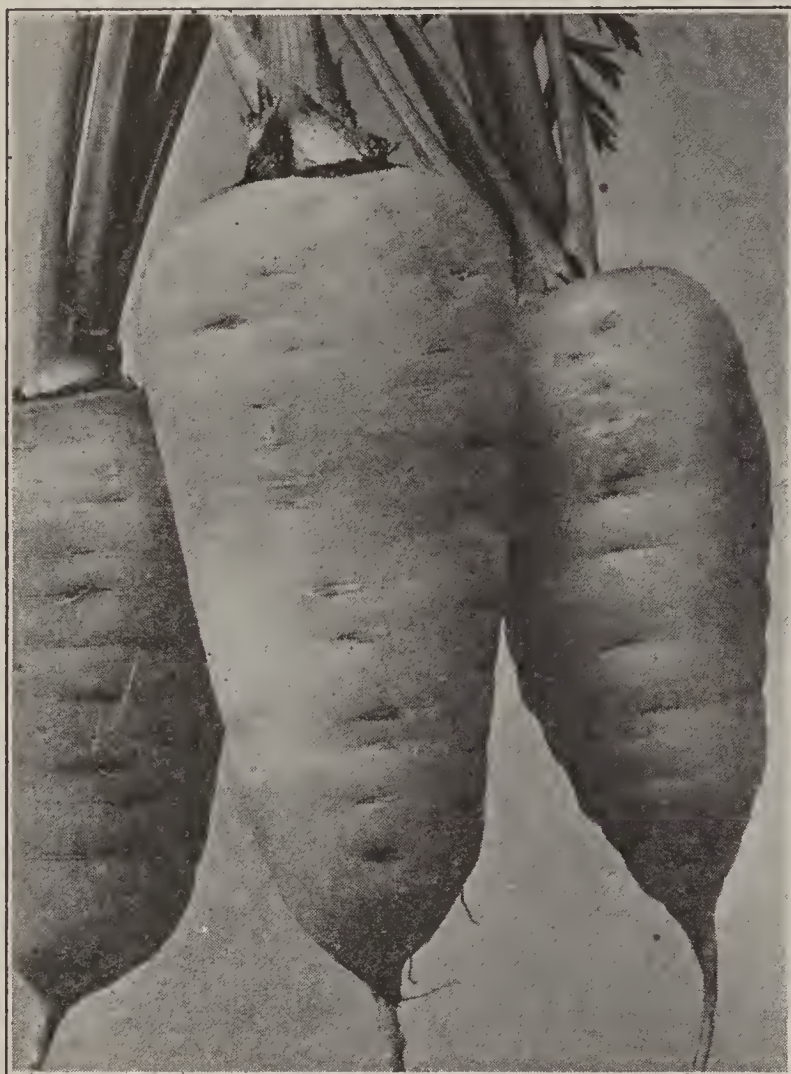
Sow and cultivate same as Cabbage and set the plants in rows $2\frac{1}{2}$ feet apart and 2 feet apart in the rows. One ounce will produce about 2,000 plants and will mature in about 150 days.

DWARF PERFECTION—Grows 20 inches high and is well covered with small sprouts which are very solid and excellent in flavor. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.



National
Eezy Wear
Garden Gloves

All Leather—Soft as Kid
Women's sizes: Small, medium and large. For men: Medium and large. Per pair, 75c postpaid.



Red Cored Chantenay Carrot

CARROTS

For garden purposes carrots may be sown any time. Sow the seed $\frac{1}{2}$ inch deep in loose, well prepared soil, preferably sandy, making rows 18 inches apart. Cultivate as soon as the plants are well established and thin to 2 or 4 inches in the row according to the size of the variety. One ounce will sow over 100 feet of row.

CHANTENAY (Red Cored)—An excellent early, half long stump-rooted variety; 5 or 6 inches long and about 3 inches thick at the shoulder. Bright orange-scarlet, heavy cropper. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.

DANVERS HALF LONG—A rich orange-red sort, growing about 8 inches long. Largely used for table use and stock raising as well. Very productive; flesh sweet and crisp. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.

EARLY SCARLET HORN—This is a favorite for early crop, but not large; sold extensively in the markets bunched. The tops are small; roots top-shaped, stump-rooted, therefore easily pulled. Grows well in shallow soil. Color is a deep orange; flesh fine-grained. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.

CARROTS

(Continued)

OXHEART or GUERANDE—A popular short, thick variety about $4\frac{1}{2}$ inches long and $3\frac{1}{2}$ inches thick at the shoulder. A good variety for heavy or stiff soils; heavy cropper. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00.

FRENCH FORCING—A small, round, reddish orange variety; crisp and sweet; the best of this class. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.

IMPROVED LONG ORANGE—The best long carrot in cultivation; especially recommended for market gardeners and field culture. It is a good reliable variety, always depended upon for its uniformity and large crop. Grows best in light, rich, well-dug soil. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00.

CHICORY

LARGE ROOTED MAGDEBURG—The young leaves are excellent as salad; the roots are also used for cooking. Sow the seed $\frac{1}{2}$ inch deep early in the spring, thin the young plants to 6 inches in the row and keep well hoed. The plant spreads from the root and is perennial; will mature in 120 days. One ounce will sow 200 feet of row. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.

SMALL ROOTED or RADICHETTA—The tops of this variety are very desirable for salad. The leaves are long and narrow, blanching readily when plants are close together. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.15; lb., \$3.25.

ASPARAGUS or RADICHETTA—Leaves are long and cut irregularly. Cultivated chiefly for the tender young shoots which are boiled in salt water and served hot, or cold in salads. The delicious flavor is suggestive of Asparagus. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

WITLOOF—Known in restaurants as French Endive. The stalks when blanched make delicious salad. Sow in May and June in drills 10 inches apart. Transplant or thin to 6 inches; treat as Endive, except that in late summer or fall it should be gradually banked up like Celery. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.

CHERVIL OR CERFEUIL

An aromatic herb resembling Parsley and is excellent for garnishing. Sow seed $\frac{1}{2}$ inch deep; keep leaves cut to prevent running to seed. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.

CHIVES

A small perennial of the Onion family; readily propagated from seeds; leaves used in salads and for flavoring soups and stews. Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

CRESS OR PEPPER GRASS

EXTRA CURLED—Used as a salad either alone or mixed with Mustard greens; rapid growing, dwarf and compact. Sow thickly in shallow drills. For a succession sow every 2 weeks. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.35.

WATER CRESS

Highly esteemed for salads and garnishing. It must be grown along moist banks. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.



Extra Early Snowball Cauliflower

CAULIFLOWER

Culture same as Cabbage. Soil must be rich and deep, and the plants liberally supplied with water in dry weather. As the flower heads appear, the large leaves should be broken down over them to protect them from the sun and rain. One ounce will produce about 1,500 plants and will mature in about 150 days. Sow from June to January.

EARLY SNOWBALL—The best and most popular early variety grown. There is a vast difference in the strains of this variety offered, but what we offer is the best imported stock. It will make uniformly fine heads, even under adverse conditions. Pkt., 15c; $\frac{1}{4}$ oz., 90c; $\frac{1}{2}$ oz., \$1.25; oz., \$2.50; $\frac{1}{4}$ lb., \$7.50.

CALIFORNIA WONDER—A late variety, forming good, large, solid heads during the winter. This variety has given great satisfaction in California wherever tried. Pkt., 10c; $\frac{1}{4}$ oz., 60c; $\frac{1}{2}$ oz., \$1.10; oz., \$2.00; $\frac{1}{4}$ lb., \$6.00.

VEITCH'S AUTUMN GIANT—The most popular of all the late varieties. The heads are pure white, large, firm and compact; being well protected by the foliage, they remain fit for use for a long time. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.

DRYWEATHER—This fine variety is especially adapted for localities subjected to long, dry seasons. It is a very sure header, second early, and produces large, pure white heads of delicious flavor. Pkt., 15c; $\frac{1}{4}$ oz., 75c; $\frac{1}{2}$ oz., \$1.25; oz., \$2.25; $\frac{1}{4}$ lb., \$6.75.

CELERIAC

Turnip-Rooted Celery

Culture same as Celery except that it is not necessary to earth up the plants.

LARGE SMOOTH PRAGUE—This is an improved form of the Turnip-Rooted Celery. Roots large, round and smooth, and free from side roots. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$2.50.

CELERY

Sow the seed $\frac{1}{8}$ inch deep in open ground as soon as fit to work in April, or for very early use in hot bed or cold frame. Pressing in the seed has often been found more satisfactory than covering. Cut the tops off once or twice before planting out, to make them stocky. When the plants are 5 or 6 inches high, transplant to rows 2 feet apart and set the plants 6 inches apart in rows. Water freely and shade from sun until established. Cultivate well, and when large enough blanch by earthing up or by partly shading the rows with boards. One ounce will produce about 4,000 plants; will mature in about 6 months.

GOLDEN PLUME—A medium sized early variety; stocky, full hearted and compact; the thick solid stalks blanch readily and are of the finest quality. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

GOLDEN SELF-BLANCHING (New Type)—A very popular early sort with a rich golden yellow heart; very heavy and compact in growth; the stalks are thick and crisp and of rich flavor. Pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

WHITE PLUME—Crisp and nutty; solid and free from stringiness; stalks and portions of inner leaves are white. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.15.

GIANT PASCAL—Of vigorous, sturdy growth, making heavy stalks and large hearts, all remaining deep green until blanched by earthing up. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.



Golden Self Blanching Celery

SWEET CORN

Postpaid only within the 4th zone. See parcel post rates on inside front cover.

Corn is sensitive to frost and is liable to rot in cold or wet ground. Plant in April or May, or when the ground has become warm. It will mature in 80 to 100 days and can be planted until July, in hills 2 by 3 feet apart. Cover 8 or 10 seeds about 1 inch deep; thin out to 3 plants to a hill. Plant in a rich moist soil; hoe and cultivate frequently. For succession plant early sorts every two weeks until July 15. One pound will plant 100 hills.

BANCROSS 39 IMPROVED—An excellent, early golden corn slightly lighter in color than Golden Bantam. The plants are 6 feet high, and the ears have 12 rows of kernels, the hulls of which are quite tender. Pkt., 10c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00.

BLACK MEXICAN—Medium early; the kernels are black when ripe and white when green; ears 8 inches long, well filled and exceptionally sweet. Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75.

COUNTRY GENTLEMAN, or SHOE PEG—We recommend this (main crop) variety for your kitchen garden. The great merit of the Country Gentleman Corn is its delicious sweetness, retaining its delicate tenderness even when a little old. Milky kernels, that are pearly white and plump. Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75.

EARLY MAMMOTH, or ALAMEDA SUGAR—A vigorous, large, early variety of handsome appearance and sweet flavor, especially fine for the market grower. Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75.

GOLDEN BANTAM—A very early variety. The ears are but medium size, but are thickly set with delicious yellow kernels. The quality of this variety is superb, and it has become a general favorite early sweet corn with all who have tried it. Extra selected strain. Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75.

GOLDEN CROSS BANTAM—The most popular hybrid sweet corn, and one having a wide range of adaptability. The golden ears are 12 rowed, taper to the tips, and are of excellent quality. Although a little later than Golden Bantam, it is a distinct improvement. Pkt., 10c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00.

GOLDEN SUNSHINE—A very early sweet corn bearing medium sized ears with 10 and 12 rows of golden yellow kernels. The quality and flavor are most desirable. A popular corn for market gardeners or for the home garden. Pkt., 10c; ½ lb., 25c; lb., 40c; 10 lbs., \$3.50.

OREGON EVERGREEN—A popular garden variety on the Pacific Coast, and used for a winter corn in warmer climates. The ears are 9 to 10 inches long, with 14 to 16 rows of clear white, deep kernels, of medium width. The tightly fitting husk affords some protection against the corn ear worm. Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75.

Field Varieties

Field Corn should be planted in hills 4 feet apart each way; use 10 pounds to the acre.

LEAMING—An early tall-growing variety. Kernels are long and deep golden yellow, stocks are leafy and make excellent fodder. Lb., 25c; 10 lbs., \$2.00.

POP CORN, WHITE RICE—Very prolific; ears short; kernels long, resembling rice in shape; color, white. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

COLLARDS

Sow the seed thickly in rows, in rich ground, transplanting when about 4 inches in height; or sow where the plants are to remain, and when well started thin to 2 or 3 feet apart.

TRUE GEORGIA—The well known popular variety. Grows from 4 to 5 feet high, and forms a very large, loose head. Leaves are tinged with purple. Pkt., 10c; oz., 15c; ¼ lb., 35c.

CUCUMBERS

Cucumbers succeed best in a rich, loamy soil and should be planted in May when the ground has warmed up. Plant the seed in slightly raised hills, 4 feet apart each way, place 6 or 8 seeds in each hill in a circle and cover with one inch of fine soil. After the plants are well started thin out to 4. Cucumbers thrive on well rotted compost and a shovelful of old manure should be placed 6 inches deep under each hill and firmly tramped down. Have the soil moist before planting so that no watering is required until the seeds have sprouted, otherwise they may rot. After they begin to set fruit, water freely by sprinkling vines for about 10 minutes every other day or so. They mature in 120 days. One ounce will plant 100 hills.

ARLINGTON WHITE SPINE—A rich dark green variety, turning partially white when ripened. The fruit is about 7 inches long when in marketable condition and very straight and even in shape. Is early, and good for forcing and out-of-door culture. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

EXTRA EARLY GREEN PROLIFIC or BOSTON PICKLING—A very prolific variety, used principally for pickles. Fruit medium sized, bright green, very even and symmetrical. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

GHERKIN—A very small prickly variety, very tender and sweet when pickled young. Used for pickles only. Pkt., 10c; oz., 20c; ¼ lb., 60c.

IMPROVED TELEGRAPH—An English cucumber, for frames or forcing under glass; rich dark green. The finest type of Telegraph Cucumber, quick in growth and very prolific. Pkt., of 15 seeds, 25c.

LEMON—A very easily grown variety for the home garden. It is lemon shaped. It is ready to eat when it begins to turn yellowish brown. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

LONG GREEN, IMPROVED—The best known and most popular variety for general use. The mature fruit is almost 12 inches long. The skin is of a deep green, and the flesh is solid, crisp and of fine quality. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

STRAIGHT-8—An excellent slicing variety which was awarded the Gold Medal in the All America Trials of 1935. The vigorous plants produce dark green, symmetrical fruits 8 to 9 inches long, and 1½ inches thick. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

CORN SALAD

Sow from August to November in drills ½ inch deep and thin out to 6 inches apart. Tread it lightly to secure germination. One ounce will sow 50 feet of row.

LARGE-LEAVED FETTICUS, or "LAMB'S LETTUCE"—Hardy little plants, grown for late fall, winter and spring use; they form rosettes of tender, edible leaves which are used as a substitute for Lettuce. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

DANDELION

One ounce will sow 200 feet of drill. It will mature in 6 months and should be sown in May and June in drills 18 inches apart and ½ inch deep. The leaves are best for salads when blanched, by partly shading the rows with boards.

IMPROVED LARGE-LEAVED—The largest leaved and best cutting variety. Pkt., 10c; ¼ oz., 25c; oz., 75c.

EGG PLANT

A strong, uniform heat is required to germinate the seeds, and a thoroughly pulverized, well-enriched, warm soil is necessary to perfect the fruit. Sow the seed from January to March $\frac{1}{4}$ inch deep and transplant when all danger from frost is over, $2\frac{1}{2}$ feet apart each way, and when about a foot high, support the plants by drawing the earth up around them. One ounce will produce about 1,000 plants; will mature in 150 to 160 days.

IMPROVED NEW YORK—The most popular main crop variety. The fruit is large, very solid and of a rich shining deep purple color. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00.

BLACK BEAUTY—An early variety. The fruit is broad and thick and a purplish black color. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.85.

ENDIVE

Sow the seed $\frac{1}{2}$ inch deep in any ordinary soil from June to October in drills $1\frac{1}{2}$ feet apart, covering lightly. When the plants are about 2 inches high, thin to about 8 inches in the row. When the plants have attained full size, gather up the leaves, tying together at the tips. This excludes the air from the inner leaves, which in the course of three or four weeks will become blanched. One ounce will sow 100 feet of row.

GREEN CURLED—The hardiest variety grown, the mid-rib is wide and whitish, beautifully curled, tender and crisp; much used for garnishing. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

BROAD-LEAVED BATAVIAN (Escarolle)—Leaves broad and thick and nearly plain; chiefly used in stews and soups. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

KALE or BORECOLE

This plant is useful for furnishing a large supply of greens for boiling during the early fall, winter, and spring months. Sow the seed thinly in drills, transplanting to rows 2 feet apart when of sufficient size. Sow as directed for Cabbage. One ounce will produce about 2,000 plants.

TALL GREEN CURLED SCOTCH—Fine cut leaves, height $2\frac{1}{2}$ feet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

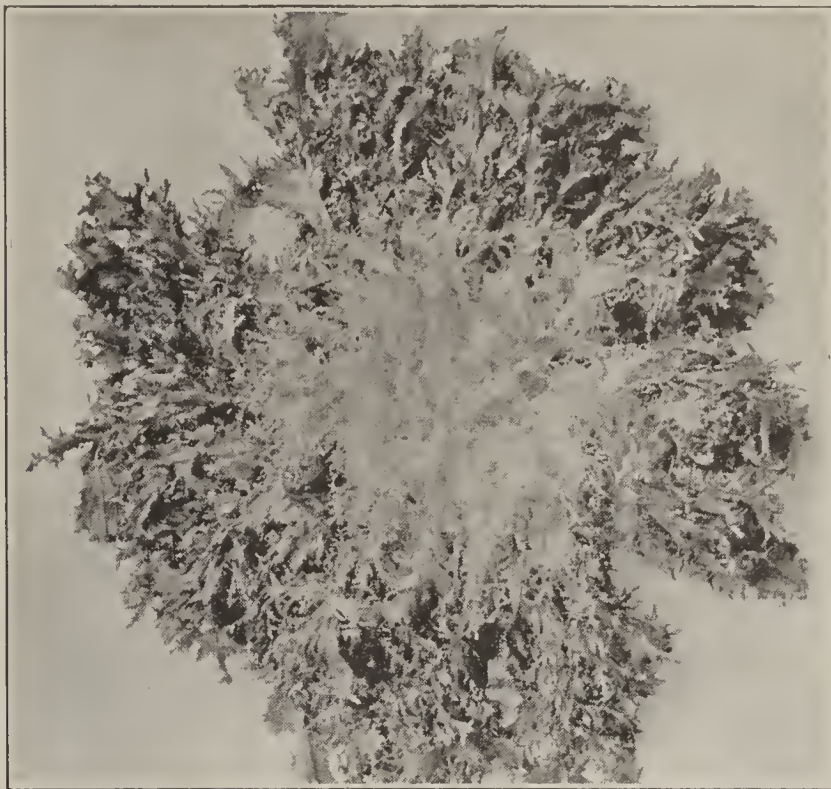
JERSEY or THOUSAND HEADED—A strong growing sort with smooth leaves, often 6 to 8 feet high; grown largely for chicken feed. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

KOHL RABI

Sow the seed $\frac{1}{2}$ inch deep in rows 18 inches apart, afterwards thinning to 8 or 10 inches. The bulb is the edible part and when cooked tastes very much like Turnip. Kohl Rabi will mature in 120 days and may be sown from January to May and from July to October. One ounce will sow 200 feet of row.

EARLY WHITE VIENNA—Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c.

EARLY PURPLE VIENNA—Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c.



Green Curled Endive

LEEK

Sow from January to April, in drills 1 foot apart and $\frac{1}{2}$ inch deep. When the plants are 6 to 8 inches high transplant in a deep, rich soil, in rows 12 inches apart and 4 inches in the rows, as deep as possible, so that the neck may be covered and blanched; draw the earth to them as they grow. The seed may also be sown in July or August for good plants in the fall and winter. One ounce will sow 200 feet of row.

LARGE AMERICAN FLAG—The favorite variety. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

GIANT MUSSELBURGH—Thick, long, sweet stalks. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

MUSTARD

The greens of this quick growing plant are boiled like Spinach. Sow seed in early spring and make successive sowings every 10 days until midsummer. Sow seed thinly in rows about a foot apart. One ounce will sow about 200 feet of row.

FORDHOOK FANCY—The plume-like leaves are curled and fringed and of mild flavor. Most vigorous and yields a very large crop of leaves. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

SOUTHERN GIANT CURLED—The leaves are large, light green with a tinge of yellow and much crimped and frilled at the edges. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

MUSHROOM SPAWN

PURE CULTURE SPAWN—The latest scientific development in the production of Mushroom Spawn, using the medium of tobacco stems which are inoculated by a patented pure culture process. Booklet giving instructions for growing Mushrooms furnished with each purchase of spawn. Available in cans containing sufficient spawn for planting 50 square feet. Each, \$1.35. (Postpaid.)



Destroy Garden Pests
with
Acme Spray Materials

(See page 90)

LETTUCE

Lettuce seed requires a cool soil and should be covered very lightly to secure germination. When well started transplant to rows 18 inches apart and 6 inches apart in the row. It may be planted throughout the season in most localities, and will mature in 65 to 90 days according to the variety and season of planting. One ounce will sow 200 feet of row.

Head varieties may be drilled in the open on ridges in double rows 12 to 15 inches apart and the plants thinned to 10 inches apart. From 2 to 4 pounds of seed are required to the acre.

Loose Leaf Varieties

These do not form heads but large plants of loose leaves which are quite brittle and tender.

EARLY CURLED SIMPSON—Forms a close compact mass of leaves; matures very early. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.25.

EARLY PRIZEHEAD—Leaves are brownish red, very curly and of fine flavor. Makes a compact bunch. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

CHICKEN LETTUCE—Sends up a stout stalk 3 to 4 feet high, loaded with leaves; for poultry and rabbits. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.35.

Crisp Head Varieties

These make a quick growth and form fine large heads which are always crisp, mild and extremely juicy. They withstand the heat better than any other type of lettuce.

HANSON—The heads are solid and grow to a good size. The leaves, which are of a light green color, tightly overlap each other; very crisp and brittle. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

ICEBERG—Large solid heads; light green, slightly tinged with brown; very tender and crisp. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

LOS ANGELES—A large, crisp, tight-heading variety; light green curly leaves. There is no waste in preparing as all the leaves can be used. The heads are large and of fine quality. We recommend this variety above all others. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

Cabbage or Butterhead Varieties

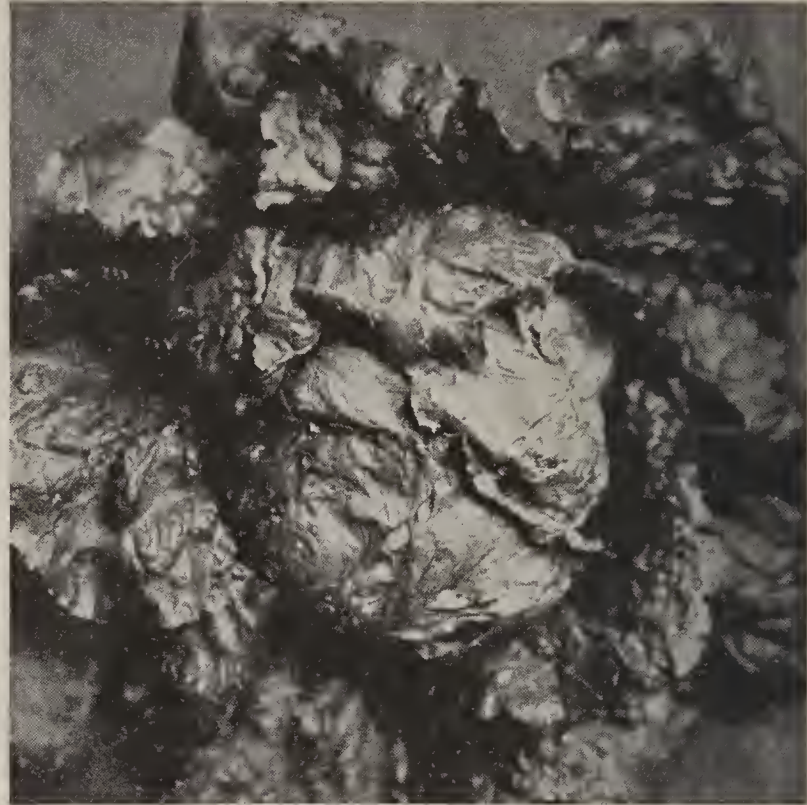
Tight heading varieties. The leaves making the heads are closely folded together and the inner portion is blanched to a clear white or a rich buttery yellow.

BIG BOSTON—Very large, tender heads; leaves are light green with a slight tinge of brown on margins of the outer leaves. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

CREAMY HEART—A selection that has been made from California Cream Butter. The leaves are thick and dark green; the interior of the head is a rich golden yellow; quality fine, very desirable for early spring planting. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

MAY KING—A very early solid head variety of the best quality. The outer leaves are green tinged with brown, while the inside is golden yellow. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

MIGNONETTE—Heads small, compact; leaves slightly curled; edges tinted brown. Especially suitable for the Hawaiian Islands and other tropical countries. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.



Lettuce, Los Angeles

Romaine, or Cos Lettuce

This type of lettuce forms long upright loose folding heads and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching.

PARIS WHITE COS or **TRIANON**—Very crisp and sweet. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

CASABA MELONS

The melons should not be picked until they become quite yellow. Stow away so they do not touch each other, in a cool, dark place. When the rind becomes slightly softened and moist they are ready to eat; some of the melons will keep until February.

GOLDEN BEAUTY—This melon is very similar to Winter Pineapple except that it has a golden yellow rind. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.00.

HONEY DEW—The fruit of this melon is of medium size, weighing 5 to 6 pounds; light colored smooth skin, thick light green flesh of a delicious honey-like flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

WINTER PINEAPPLE—A large late variety with wrinkled skin and green flesh of a pineapple flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.



HOTKAPS

A MINIATURE HOTOHOUSE FOR EACH PLANT

Hotkaps are waxed paper cones that protect seeds and young plants from cold, wind, rain, and insects during the early spring months. With their use, vegetables and flowers may be brought to earlier maturity. Shipping weights and prices: Package of 250 with Garden Setter and Tamper (9 lbs.), \$3.85. Package of 100 with Setter and Tamper (5 lbs.), \$2.65. Home Garden Package of 25 (2 lbs.), 50c. Postage extra. (Write for prices of quantities of 1000 or more.)

WATERMELONS

The culture of watermelons differs from that of muskmelons mainly in that the hills should be wider apart, from 8 to 10 feet, according to the variety grown. An effort should be made to secure good strong vines early in the season, and this can best be done by taking care that the hills are large, mellow, and well drained, with the manure placed so that they will not dry out quickly under hot sun. Plant the seeds thickly when danger of frost is over and thin the plants to four of the strongest in each hill. All possible protection from insects should be given the young plants and their growth may be still further hastened by frequent application of liquid manure. They mature in 120 to 140 days. As a protection from insects, netting is frequently used. One ounce will plant about 25 hills.

ANGELENO — A round deep green melon, rind very thin, flesh deep red and of fine flavor; good shipper. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

BLACK SEEDED CHILIAN—A fine melon for the home garden; of medium size, nearly round, black seed and red flesh of excellent flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

FLORIDA FAVORITE
A splendid melon of very large size and excellent quality. Fruit long, dark green, mottled and striped; rind thin but firm. Flesh bright deep red; very sweet and tender. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.



Klondike Watermelon

KLECKLEY SWEET or **MONTE CRISTO**—A very desirable melon for home use or nearby markets. Fruit of medium to large size, oblong, dark green. Flesh bright red and very sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

KLONDIKE—A great favorite of recent introduction. Oblong, dark rich green, flesh bright red, very crisp and sweet. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

KLONDIKE, STRIPED—A new selection. It is the same size and has much the same qualities as Klondike. Fruit is striped dark and light green resembling the Georgia Rattlesnake. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

TOM WATSON—A very large, long melon with dark green skin. Flesh bright red; very sweet and tender. Rind thin but tough, making it a good shipping sort. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

MUSKMELON

A light, warm, rich soil is essential for this crop. When all danger from frost is over, plant the seed in slightly raised hills 4 feet apart each way, placing 6 to 8 seeds in each hill in a circle and covering with one inch of fine soil. Place a shovelful of old manure about 6 inches under each hill and tamp down firmly. Have the soil moist before planting so that no watering is required until the seeds have sprouted, otherwise they are apt to rot. After all danger of destruction by bugs is over, thin out to 3 plants to a hill; when about 1 foot long pinch off the tips to make them branch. This strengthens the growth of the vines and makes the fruit mature early. Muskmelons mature in 120 to 140 days. One ounce will plant about 50 hills.

DELICIOUS GOLD LINED ROCKY FORD—Fruit is heavily netted, slightly oval with no ribs. Has green flesh with a gold margin next to the seed cavity; thick meated and of fine flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

HALE'S BEST No. 45 (Mildew Resistant)—This early melon is nearly round, heavily netted, and has thick, deep salmon pink flesh of rich flavor. It keeps well after picking, and the mildew resisting quality assures melons of excellent flavor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

HEARTS OF GOLD—The medium sized fruits are round and distinctly netted; flesh orange-salmon, thick and fine flavored. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

PERSIAN (Small Type)—A globular melon, 6 to 8 inches in diameter, heavily netted without ribs; orange flesh of delicious flavor; a good keeper. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

POLLOCK 10-25—A solid netted type of melon, slightly oval and 5 to 6 inches long; flesh thick salmon-tinted shading to light green near the rind; of delicious flavor. A prolific yielder. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

ROCKY FORD NUTMEG or **NETTED GEM**—Fruit is slightly oval and slightly ribbed with netted skin. Has thick dark green flesh of delicate flavor, with a small seed cavity. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

TIP TOP—The melons are of medium size and nearly round, well ribbed and slightly netted over a light green skin. The flesh is quite thick and bright salmon in color. Very richly flavored. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

CASABA MELONS—See page 46.

ONIONS

Onions are very hardy, and the seeds will germinate in cool weather. They can be safely planted just as soon as the soil can be prepared. Shallow planting is advisable, $\frac{1}{4}$ to $\frac{1}{2}$ inch being about right. When 2 or 3 inches tall, the young plants can be thinned to prevent crowding. They may be thinned again when 6 or 8 inches tall, and the plants removed can be used as green onions. After that, they may be pulled as needed, and those that are left to become fully ripe stored for winter. Onions mature in about 150 days. One ounce will sow 200 feet of row.

AILSA CRAIG—A very large pale yellow variety similar to Prizetaker, but much larger and more globular in form. Very productive and of fine mild flavor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

AUSTRALIAN BROWN—Extra long keeper and sure cropper. Early and very hardy. The skin is a rich brown, solid white flesh, crisp and of sweet mild flavor. Should be planted early on low, wet ground to get large bulbs. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 90c; lb., \$2.75.

CRYSTAL WHITE WAX—The clear white Bermuda onion, seen in our market early in spring, is this variety. Medium sized and of a very mild, sweet flavor. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

PRIZETAKER—A fine onion of large size and nearly globular in form. Skin is yellowish brown; flesh white and mild. A heavy cropper and a fairly good keeper. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

RED BOTTLE SHAPED or LONG ITALIAN RED—A variety used in California markets. It is light red and is long and narrow. Early and mild in flavor. Excellent for slicing. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.50; lb., \$4.50.

RED WETHERSFIELD—This is the standard red variety. Large size, form flat but thick; skin purplish red; flesh firm and mild. Heavy cropper. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

RIVERSIDE SWEET SPANISH—Large brown globe shaped onion, unusually mild with excellent flavor. Splendid for shipping as well as for storage. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.15; lb., \$3.50.

EARLY SWEET SPANISH—A very large, mild, yellow, globe-shaped onion. One of the best for home garden; also an early market Spanish type. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; lb., \$3.75.

SOUTHPORT WHITE GLOBE—A large globe-shaped sort; pure white color, mild flavor and fine keeper. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

WHITE PORTUGAL or SILVER SKIN—The favorite white variety, of medium size with clear white skin and mild flavor. It is an excellent keeper and also a good variety for growing for pickles. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$2.50.

YELLOW FLAT DANVERS—The best yellow flat onion. Very mild and fairly early. Color, bright orange-yellow; flesh white and firm; fine keeper and of good size. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

YELLOW GLOBE DANVERS—A popular sort for home and market use. It is of perfectly globular shape, being almost round with a very small neck. The color of the skin is a rich orange-yellow; of large size; remarkably solid; a heavy cropper. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

BUNCHING ONION (White)—The best for early small green onions. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.



Riverside Sweet Spanish

ONION SETS

YELLOW SETS—For young onions. Plant 2 inches deep and 2 inches apart in drills which should be 12 inches apart. 1 pound will plant about a 50-foot row. Lb., 25c; postpaid, 30c; 5 lbs., \$1.35, postpaid.

GARLIC

Plant the cloves (separate portions of the bulbs) in drills, 8 inches apart and 4 inches apart in the row, covering 2 inches deep. When the leaves turn yellow take up the bulbs, dry in shade and lay them up in a dry loft as you would onions. Lb., 30c, postpaid. (Price subject to change without notice.)

OKRA or GUMBO

Highly esteemed for its green pods, which are used in soups and stews. Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, until June, in rows 3 feet apart, 1 inch deep; thin to 18 inches apart in the rows. One ounce will sow 100 feet of row; matures in about 75 days.

PERKIN'S MAMMOTH POD—Pods deep green, very long, slender and slightly corrugated; very tender and of good quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

WHITE VELVET—Pods white, long, smooth and tender. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

PEAS

Postpaid only within 4th zone. See parcel post rates on inside front cover.

A light, moderately rich soil is best for peas. For early peas sow in the fall, and for successive crops plant until July. Plant the dwarf varieties in single or double rows 18 inches apart and about 2 inches apart in the row. The tall sorts should be planted in rows 3 feet apart. Sow the seed 2 to 3 inches deep, and in dry weather soak the seeds for 5 or 6 hours in water before planting. One pound will sow 100 feet of row. Peas mature in 8 to 12 weeks.

Early Varieties

ALASKA, or EARLIEST OF ALL—A very early variety with smooth, small peas of good quality and short, well-filled pods. The vines are 2½ to 3 feet tall. When practicable they should be given support; will not rot in cold, wet soil. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

AMERICAN WONDER—An extra early sort and a heavy cropper, ready to pick in 45 to 50 days from time of planting. The vines require no support as they only grow 12 to 15 inches high. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

LAXTON'S PROGRESS—The largest podded of any extra early dwarf variety. Pods pointed, dark green, well filled with extra large tender peas of excellent flavor; very prolific. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

LITTLE MARVEL—A prolific dwarf variety about 15 inches high; pods average 2¼ inches in length, well filled with 6 or 7 large peas of excellent flavor. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

THOMAS LAXTON—A fine early tall variety similar to Gradus, but more hardy and not so early. It is also darker in color and has large blunt pods that are well filled with peas of finest quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

Later Varieties

CARTER'S DAISY, or DWARF TELEPHONE—A dwarf variety producing large pods like Telephone; very prolific and of fine quality; height 18 inches. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

MELTING SUGAR or EDIBLE POD—A prolific variety bearing brittle pods, which are cut or broken and cooked like Beans. The pods are very large, broad and extremely tender; finely flavored. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

STRATAGEM—A very strong grower, very prolific, with dark green pods of good size and well filled. Vines grow about 2½ feet high. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

TELEPHONE—One of the latest varieties, is tall and vigorous, with enormous pods, bearing large, wrinkled peas of remarkably fine quality; a popular home garden and market variety. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50.

McQueen's Inoculator

A nitrogen gathering bacteria for inoculating Garden Peas and Sweet Peas. Garden Size, sufficient for 5 lbs. of seed, 15c postpaid.



Laxton's Progress Peas

PARSLEY

Used for garnishing and seasoning soups, meats, etc. Succeeds best in a mellow, rich soil. Sow thickly at any season in rows 1 foot apart and ¼ inch deep; thin out plants to stand 6 inches apart in the rows. The seed is slow of germination, taking from 3 to 4 weeks to make its appearance, and often failing to come up in dry weather. To assist its coming up quicker, soak the seed a few hours in warm water, or sprout in damp earth, and sow when it swells or bursts. One ounce will sow 200 feet of row.

DOUBLE CURLED—A curled variety very hardy and easy to grow. Deep rich green. Pkt., 10c; oz., 20c; ¼ lb., 40c.

EXTRA TRIPLE CURLED—Very fine curled variety of dark green color. Pkt., 10c; oz., 25c; 2 ozs., 40c; ¼ lb., 65c.

HAMBURG or TURNIP ROOTED—A plain-leaved variety, forming a long, thick, edible root. Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c.

PLAIN or SINGLE—The leaves are deeply cut, flat and dark green. Much used for flavoring and for drying. Pkt., 10c; oz., 15c; ¼ lb., 40c.

PEPPERS

Sow $\frac{1}{4}$ inch deep in hotbeds in February or March, and, when danger from frost is over, transplant in rows 2 feet apart and 18 inches in row, in good rich ground. They mature in 140 to 150 days.

ANAHEIM CHILI—A large thick-meated "Chili" of recent introduction, being 7 inches or more long, very fleshy, with a slight pungency. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

CALIFORNIA WONDER—The best large fruited sweet pepper; very smooth, heavy and free from wrinkles. Meat exceedingly thick, tender and of the finest flavor. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

CHINESE GIANT—The largest of all sweet peppers. The flesh is quite thick, very mild and sweet. A blunt, deep red variety. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.25.

FLORAL GEM—A yellow wax pepper about $1\frac{1}{2}$ inches in diameter and $1\frac{1}{2}$ to 3 inches long and delightfully pungent. This pepper turns from green to waxy yellow. Pkt., 10c; $\frac{1}{2}$ oz., 50c; oz., 80c; $\frac{1}{4}$ lb., \$2.75.

LARGE BELL or BULL NOSE—A large, early bright red variety of mild flavor. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.

LONG RED CAYENNE—Slender pods 3 inches long, pungent. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 85c.

PIMIENTO—A popular variety owing to its lack of pungency; flesh very thick and firm, used largely for canning, as it can be scalded and peeled; also delicious with salads or when stuffed. Pkt., 10c; oz., 45c; 2 ozs., 75c; $\frac{1}{4}$ lb., \$1.35.

RED CHILI—Small, bright red, very pungent and productive. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.65.

RUBY KING—The fruit is large, dark green while young, turning to bright, glossy red when ripe, and the flavor is mild and sweet. A desirable variety for slicing in salads and for stuffing. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; 2 ozs., 75c.

POTATOES

Postage or transportation charges extra.

Plant as early as the ground can be thoroughly worked, in rows 3 feet apart and 15 inches in the rows for early potatoes and 18 inches apart for late ones; covering in light warm soil about 6 inches, and in heavy soil about 4 inches deep; draw the earth to the plants as they advance in growth. Eight pounds will plant 100 feet of row. Cut the tubers up in good-sized pieces each containing not less than two or three eyes.

(Northern Grown)

All prices are subject to change

BRITISH QUEEN—Early, baking variety.

BURBANK (Low Top)—Late keeping variety, good for boiling and baking.

RED ROSE—Early boiling and baking variety.

WHITE ROSE—Early baking variety.

Any of the above, 5 lbs. for 40c; 10 lbs. for 75c; 25 lbs. for \$1.50 f. o. b. San Francisco. If wanted by parcel post add postage. Prices on larger quantities on application.

Please include Sales Tax within the State of California

PARSNIPS

This crop requires a very rich soil. Sow from February to September in drills 18 inches apart and $\frac{1}{2}$ inch deep, and thin to 8 inches in the row. Parsnips mature in 125 days. One ounce will sow 200 feet of row.

HOLLOW CROWN—The most popular variety. The roots which are creamy white are smooth, tender and of excellent flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

PUMPKIN

Plant after all danger of frost is over until June, in hills 8 feet apart each way. Cover seed 1 to 2 inches deep, leaving 3 strong plants to a hill. In other respects they are cultivated as Melons and Cucumbers. Pumpkins mature in about 100 days. One ounce will plant about 25 hills.

CONNECTICUT FIELD—This variety produces over 20 tons to the acre. A fine large orange-colored variety, used for stock feeding. The skin is smooth and ribbed and the flesh is brittle and sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 90c.

MAMMOTH KING or JUMBO—Pumpkins of immense size, weighing from 100 to 180 pounds; globular in form and flattened a little at the end. Salmon-orange skin, very thick orange-yellow flesh. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

SUGAR or NEW ENGLAND PIE—For making pies this variety cannot be excelled. The pumpkins are round and small, but very sweet, fine grained, and of the best quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

RHUBARB

Sow in rows $\frac{1}{2}$ inch deep; thin out to 6 inches apart. In fall, trench a piece of ground and manure it well and then transplant the young plants into it 3 feet apart each way. Cover with leaves or litter the first winter, and a dressing of manure should be given every fall. It is better to plant strong roots, as they will produce next spring. One ounce will sow 150 feet of row.

CRIMSON WINTER—This variety is of delicious flavor, extremely hardy, very prolific, and very quick growing. Produces good stems all winter and spring. Pkt., 10c; oz., \$1.00.

RHUBARB ROOTS

(Postpaid within 4th zone only)

CHERRY GIANT—The most popular rhubarb grown today. It is less acid and more highly flavored than other sorts. The bright cherry-red stems are very large and so tender they do not require peeling when cooked. Four plants well cared for will supply sufficient rhubarb for the average family. It does not come true from seed. Plant 4 feet apart. Strong, eye roots 30c each; 4 roots, \$1.00; 10 roots, \$2.25. (Seed not available.)

RADISH

Radishes thrive best in a light, rich, mellow soil, and to bring out their mild qualities they must make a quick and tender growth. Sow early in spring and well into summer for succession, in well-manured, deeply dug and finely raked soil; if not well stimulated into a rapid growth, they become fibrous and tough; sow in drills 10 inches apart and $\frac{1}{2}$ inch deep, and thin to 2 inches in the rows. Sow at intervals of two or three weeks until September for a succession. They mature in 25 to 40 days. One ounce will sow 100 feet of row.

Early Spring and Summer Varieties

CRIMSON GIANT—This variety is suitable for forcing or for early planting out of doors. A round radish of large size and remaining in good condition for a long time. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

EARLY SCARLET TURNIP—A valuable variety for forcing or outdoor culture. Is a small, turnip-shaped variety; and in color entirely crimson. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

EARLY SCARLET GLOBE—A popular forcing variety owing to its very quick growth and fine, bright scarlet color. Shape, a trifle oblong. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

SCARLET TURNIP WHITE TIPPED, or ROSY GEM—One of the most popular varieties. It is globe-shaped, bright rose-carmine with bottom and tip clear white. Very valuable for forcing as well as for the home garden and market. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

FRENCH BREAKFAST—Scarlet, with white tip; shape nearly oval; good for forcing or summer sowing. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

ICICLE—A delicious and attractive white variety, about 5 inches long, with sloping top and pointed root. Quick growing, brittle and mild in flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

LONG SCARLET (short top)—The best known and most popular long variety. Color bright carmine, and flesh brittle and firm. About 6 inches long, the top growing out of the ground about 1 inch. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

Fall and Winter Varieties

Sow winter varieties in July and August as they make their best growth in autumn; before using put in cold water, which adds to their freshness.

CHINESE ROSE WINTER (Scarlet China)—One of the very best for fall and winter use, and popular with market gardeners; bright rose color; flesh white and firm, of superior quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

CALIFORNIA MAMMOTH WHITE WINTER, or CHINESE WHITE WINTER—Is really a Chinese radish, grown by the Chinese in California; 8 to 12 inches long, and from 2 to 3 inches in diameter; solid and of good flavor; white in color and exceeding crisp and tender. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.



Early Scarlet Turnip Radish

ROUND BLACK SPANISH—This is a large, black-skinned radish; flesh white and firm, and of a peculiarly rich, delicious flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

SALSIFY

Vegetable Oyster

The soil should be rich and well worked to a depth of at least 18 inches. Sow in drills 15 inches apart, covering the seeds with fine soil $\frac{1}{2}$ inch in depth. When the plants are strong enough, thin them out to about 3 inches apart. The seed may be sown from February to September and will mature in 150 days. One ounce will sow 50 feet of row.

MAMMOTH SANDWICH ISLAND—An entirely distinct variety of this vegetable. It is considered very nutritious and wholesome when properly cooked, with a flavor like that of oysters. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

SORREL

The large leaves, when cooked like Spinach, make a very palatable vegetable. In California it grows luxuriantly, spreads rapidly from the root, and becomes an obnoxious weed unless given attention. A confined location in the garden is therefore recommended.

LARGE LEAVED FRENCH—The variety having the largest leaves and therefore the most desirable. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

SQUASH

Squash should be planted in a warm, rich soil, after the weather has become settled and warm, about the beginning of May or June. Plant in well-manured hills, in the same manner as Cucumbers or Melons—the bush varieties 3 or 4 feet apart each way, and the running kinds from 6 to 8 feet. 8 to 10 seeds should be sown, 1 to 2 inches deep, in each hill, thinning out after they have attained their rough leaves and danger from bugs is over, leaving 3 or 4 of the strongest plants to a hill. The soil should be moist before planting so that no watering is required until the seeds have sprouted, otherwise they may fail to germinate. An occasional feeding of liquid manure will repay in size of fruits. One ounce of the summer varieties will plant about 25 hills and one ounce of the winter varieties about 15 hills. Summer sorts mature in 65 days and the winter sorts in 150 days.

Summer Varieties

TABLE QUEEN (Acorn)—Cut in halves and baked this is a very tasty squash. It weighs about 1½ lbs., is dark green outside with rich yellow flesh of delicious flavor. Matures in about 100 days. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.50.

EARLY WHITE BUSH SCALLOP—A very early variety, with flat, creamy white scalloped squashes, 4 to 6 inches in diameter. The vine is bush in habit and rather dwarf. This variety is the common "Pattypan" squash. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

BENNING'S BUSH SCALLOP—An improved bush squash which has become very popular in California. Fruits are about the size of the well known scallop squash but are a green tinted color when young. A very desirable garden and market variety. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

ENGLISH VEGETABLE MARROW (Long White)—Skin greenish yellow; flesh white, soft and rich flavor. Pkt., 10c; oz., 30c. (Imported Seed.)

ITALIAN MARROW, COCOZELLE—An extremely early squash of compact bush growth. The color is dark green at first but changes to a lighter green as the fruit matures. Usually eaten when quite small, but is still good for the table when nearly full grown. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

ITALIAN MARROW, ZUCCHINI (Dark Green Strain)—The popular Italian squash. A delicious family garden squash which is also a leading market variety. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

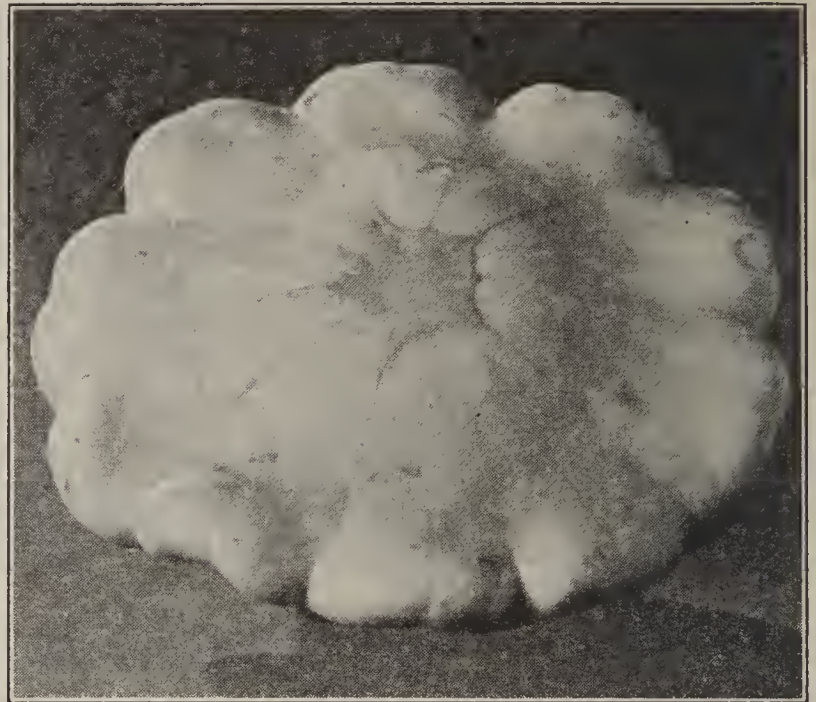
YELLOW SUMMER CROOKNECK—A well-known summer variety. The fruit is crooknecked, rich golden yellow and thickly warted; very tender when young. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Winter Varieties

BANANA—A wonderful yielder and good keeper. 2 to 3 feet long, with a tough whitish green shell and delicious tasty meat. Very fine for winter. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

DELICIOUS—One of the best sorts for winter use, weighing from 5 to 10 pounds. Skin is green, flesh is thick and of a dark orange color, fine grained and of splendid quality. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

HUBBARD—The best known winter sort; of superior quality; large size. Fruit heavily warted, dark green in color with orange flesh. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



Early White Bush Scallop Squash

HERB SEEDS

Sow early in spring in shallow drills, 1 foot apart; when up a few inches thin out or transplant.

10c per packet.

ANISE—For seasoning, also for flavoring liquors; annual.

BALM—Lemon scented; perennial.

BASIL, SWEET—The stems and seeds are used in soups and sauces; annual. Oz., 30c.

BORAGE—Excellent for bees; annual.

CARAWAY—Seeds used in bread and cakes; biennial.

CARDOON—Perennial. Oz., 40c.

CATNIP—For medicinal purposes; perennial.

CORIANDER—Seeds are used for flavoring; annual.

DILL, MAMMOTH—Leaves used in pickles and sauces; annual. Oz., 15c; ¼ lb., 35c.

FENNEL, SWEET—For soups and salads; perennial.

FLORENCE FENNEL—A vegetable with a flavor somewhat like Celery, but it has a sweet taste. Oz., 25c.

LAVENDER—For perfuming linen; perennial.

ROSEMARY—Leaves used for seasoning; perennial.

SAGE—Leaves used for seasoning and stuffing; excellent for bees; perennial. ¼ oz., 20c; oz., 50c.

SAVORY, SUMMER—Leaves and young shoots used for flavoring; annual.

SAVORY, WINTER—Perennial.

SWEET MARJORAM—Leaves used both green and dried for seasoning; perennial. ¼ oz., 20c; oz., 50c.

THYME—Leaves used for seasoning; perennial. ¼ oz., 25c; oz., 75c.

WOODRUFF, SWEET—Used for scenting clothes; perennial.

HERB PLANTS—See page 54.

Seasons to plant Vegetables in Central California, see page 37.

TOMATO

For early plants sow in hotbeds early in March or April, in drills 5 inches apart and $\frac{1}{4}$ inch deep; when the plants are about 2 inches high transplant into another hotbed 4 inches apart each way; plant out in the open ground early in May, or as soon as danger from frost is over, 4 feet apart each way in hills, which should have a shovelful of well-rotted manure mixed with the soil. Water freely at time of transplanting, but after the plants are well established water sparingly and at the roots only, as spraying the vines and overwatering causes the blossoms to drop off; when the first fruit is set, pinch off the ends of the branches to obtain early fruit. Sufficient plants for a small garden can be grown in a shallow box by placing it in a sunny window in a warm room. For late use sow in a sheltered border in May, and set out the plants in July; the green fruit may be picked off before frost and ripened under glass. By training the vines on trellises or tying to stakes, the fruit will ripen better and be of finer quality. The fruit matures in 150 days.

BOUNTIFUL—A forcing tomato of superior flavor, perfect in shape, of good size and setting freely. The fruit is bright red, very solid and grows in clusters of seven to nine. Pkt., 25c. (Imported Seed.)

BREAK O'DAY—An early round, scarlet fruited variety of medium to large size. Vines vigorous, very productive and wilt-resistant. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 ozs., 85c.

CHALK'S EARLY JEWEL—Very fine; large, solid, smooth and bright red; very early. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.25.

DWARF GIANT (Tree Tomato)—Of dwarf compact growth, the plants are very productive. Fruit is very large and smooth; flesh wonderfully solid, of finest flavor, with no core. Pkt., 10c; oz., 55c; $\frac{1}{4}$ lb., \$1.65; lb., \$5.00.

EARLIANA (Special Strain)—Extra early. Fruits bright red, solid and of fine flavor. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.35; lb., \$4.00.

GOLDEN QUEEN—A medium-sized, solid yellow tomato. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; lb., \$4.50.

MARGLOBE—A second early sort which produces large, smooth, meaty, globular, red fruit which ripens uniformly and is relatively free from cracks. Extremely heavy cropper and resistant to wilt. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.65; lb., \$5.00.

NORTON or WILT RESISTANT STONE—Very prolific. The fruit is bright red, smooth and thick. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.85; lb., \$5.50.

PONDEROSA—One of the largest varieties, frequently weighing 2 to 4 pounds each; of irregular shape but very solid. Pkt., 10c; oz., 65c; $\frac{1}{4}$ lb., \$2.00; lb., \$6.00.

PRITCHARD (Scarlet Topper)—A fine early tomato with large, smooth, globular fruits ripening to a clear scarlet right up to the stem end. A good home and market variety; wilt-resistant. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.00.

SAN JOSE CANNER—The favorite canning sort and an excellent tomato for the table, as it is of a delicious flavor. It is large and meaty, deep red and prolific. Pkt., 10c; oz., 75c; $\frac{1}{4}$ lb., \$2.50; lb., \$7.50.

STONE—One of the largest and most solid late varieties. Fruit very smooth, large and uniform in size; bright scarlet, unsurpassed for canning and slicing. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.35; lb., \$4.00.

Small Fruited Tomatoes

HUSK or GROUND CHERRY, RED PEAR, YELLOW PEAR, RED PLUM, YELLOW PLUM. Any of the above. Per pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 60c.



Marglobe Tomato

SPINACH

Select very rich, well-drained soil, sow in drills 1 foot apart and $\frac{1}{2}$ inch deep. For spring and summer use make the first sowing early in spring and continue at intervals of two or three weeks, until the middle of June; sow in August and September for winter and early spring use; will mature in about 45 days. One ounce will sow 100 feet of row.

BLOOMSDALE (Long Standing)—The thick, dark green leaves are curled and crinkled. Remains a long time in condition for use without bolting to seed even in dry weather. Pkt., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c.

KING OF DENMARK—The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a dark green color. Stands a long time before the plants bolt to seed. Pkt., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c.

PRICKLY SEEDED or FALL—A hardy variety adapted for fall planting, but is also very satisfactory for spring planting in the home garden. The thick, dark green leaves are large and rounded. Pkt., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c.

NEW ZEALAND—A plant with thick, fleshy texture and soft crystalline leaves. Is not like the ordinary spinach in appearance, but it is used in the same way. Sow when the ground warms up, soaking the seed in water for 24 hours before sowing. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

TURNIP

For early use, sow in January and February, in drills from 12 to 15 inches apart, covering the seed $\frac{1}{2}$ inch deep; thin out to 3 or 4 inches in the rows. For succession, continue to sow every two weeks until June; for fall and winter crop, sow in July and August. The Ruta Bagas are grown for feeding stock and are also excellent for the table. Take up the roots in November, or before severe frosts; cut off tops within an inch of the crown, store in cool cellar or pit. One ounce will sow 200 feet of row; they mature in 60 to 70 days.

EARLY SNOWBALL—A nearly round, medium-sized turnip with smooth white skin, maturing very early. Very sweet and tender. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

EARLY WHITE FLAT DUTCH, STRAP-LEAVED—A medium-sized flat variety, clear, white, of quick growth and excellent quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

EXTRA EARLY PURPLE TOP MILAN—The earliest turnip grown, being ready two weeks sooner than any other variety; medium sized, very flat and white with purple top. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; lb., 85c.

GOLDEN BALL or ORANGE JELLY—A globe-shaped yellow variety of medium size; flesh firm and crisp. An excellent table sort. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

PURPLE-TOP STRAP-LEAVED—Flat, medium size, purple above ground, white below. Flesh fine grained and mild flavor. One of the most largely used varieties. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

PURPLE TOP WHITE GLOBE—A valuable sort for either table use or stock feeding. Roots globe-shaped, white with purple top. Flesh white, firm and tender; very large. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

Ruta Baga or Swedes

AMERICAN PURPLE TOP, or LONG ISLAND—One of the best and most popular yellow fleshed varieties. It is yellow below ground, with purple top above. A fine table or stock feeding variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 75c.

LARGE WHITE, or SWEET—A very large variety with white skin and white flesh, which is tender and sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; lb., 85c.

HERB PLANTS

If wanted by parcel post within the 4th zone add for postage and packing as follows: 1 to 3 plants, 20c; 4 to 6 plants, 30c; 7 to 12 plants, 40c.

CATNIP—Pot grown plants. Each, 25c.

CHIVES—Clumps, 2 for 25c.

MINT—Pot grown plants. Each, 20c.

ROSEMARY—Pot grown plants. Each, 20c.

SAGE—Pot grown plants. Each, 20c.

SAVOY, WINTER—Pot grown plants. Each, 20c.

SWEET MARJORAM—Pot grown plants. Each, 20c.

THYME—Pot grown plants. Each, 20c.

HORSE RADISH—January to May delivery. Roots, doz., 35c; postpaid, 40c; 100, \$2.50, postpaid.

HERB SEEDS—See page 52.

TOBACCO

CONNECTICUT SEED LEAF—The hardiest variety in cultivation. One of the best sorts for cigar wrappers. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 50c.

HAVANA (Domestic)—Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 50c.

FIELD SEEDS

1 to 10-pound lots prepaid within fourth zone only.

ALFALFA, CHILEAN (Lucerne—Medicago Sativa)—Produces 3 or 4 heavy crops of hay in a season. 17 to 25 pounds required per acre. Sow in the fall or spring. Lb., 45c; 10 lbs., \$4.00.

ALFALFA, HAIRY PERUVIAN—Starts to grow while weather is yet cool and makes one or more additional cuttings a season. Lb., 45c; 10 lbs., \$4.00.

BERMUDA GRASS (Cynodon Dactylon)—The seed requires 15 days of hot moist weather to germinate. Sow 10 to 15 pounds per acre. Lb., 60c; 10 lbs., \$5.50.

LADINO CLOVER—Rapid growing mammoth white clover which spreads from runners. Valuable for green feed for poultry as well as for pasture, it yields abundantly and is said to withstand frost better than Alfalfa. If given sufficient moisture can be cut continuously. Sow at the rate of 8 pounds to the acre. Lb., \$1.50; 5 lbs., \$7.00.

MELILOTUS INDICA (Bitter Clover)—A hardy winter growing cover-crop for green manuring. It grows 5 feet in 4 months from seed. Sow shallow, using 10 to 15 pounds per acre. Lb., 25c; 10 lbs., \$2.00.

ORCHARD GRASS or COCKSFOOT (Dactylis Glomerata)—One of the most valuable of the pasture grasses; makes a good hay. Sow 35 pounds per acre. Lb., 45c; 10 lbs., \$4.00.

RED CLOVER (Trifolium Pratense)—The best clover for all practical purposes. Sow 15 pounds per acre. Lb., 60c; 10 lbs., \$5.50.

SUDAN GRASS—A drought resisting annual of the Sorghum family, adaptable to a wide range of soils. Splendid for summer pasture or will produce several cuttings of excellent hay. Sow in the spring after the soil becomes warm, at the rate of 20 pounds to the acre. Lb., 25c; 10 lbs., \$2.00.

SWEET or BOKHARA CLOVER (Melilotus Alba)—Grown for bee food, also good for cattle pasture and for hay. Sow 10 to 15 pounds per acre. Lb., 35c; 10 lbs., \$3.00.

PARCEL POST RATES

(Approximate) from San Francisco

Zone	Distance	1st Pound	Each Additional
1st	Within 50 Miles	\$0.08	1c
2nd	50-150 "	.08	1c
3rd	150-300 "	.09	2c
4th	300-600 "	.10	4c
5th	600-1000 "	.11	6c
6th	1000-1400 "	.12	7c
7th	1400-1800 "	.14	9c
8th	Over 1800 "	.15	11c

(The 8th zone includes U. S. Possessions)

NURSERY DEPARTMENT

Customers will please remember that when our busy season begins we are rushed with orders and it may be a few days before their orders receive attention; but they may rest assured that there will be no unnecessary delay in shipping.

GUARANTEE—The Hallawell Seed Company will exercise care to have all stock true to name; nevertheless, it is understood and agreed that should any stock prove untrue to name, the Hallawell Seed Company shall be liable only for the sum paid for the stock proving untrue, and shall not be liable for any greater amount.

PRICES quoted are f. o. b. San Francisco except where noted. Where express office differs from postoffice be sure to write each in the proper place on the order form.

CLAIMS—Should any errors occur we desire to be informed upon receipt of goods, that we may rectify them without delay. All claims must be filed within ten days after the arrival of shipment.

HALLAWELL'S SELECT ROSES

Hallawell's Select Roses are a selected No. 1 grade. They are grown under soil and climatic conditions suitable for production of vigorous bushes which will grow to strong sturdy plants. There are four commercial grades of roses and Hallawell's Select Roses are selected first grade. Bush Roses will bloom freely the first year, while climbing varieties often require two years or more to bloom profusely.

Bare root bush and climbing varieties are usually ready for delivery in December if weather conditions permit digging. They are available during January, February and March or until the bare root supply is exhausted.

PLANTING—Before planting dormant roses, remove the small branches and cut back the large ones to 5 or 6 inches, leaving an outside bud at the top. Plant to a depth where the bud-union will be just below the surface and pack the soil well around the roots, leaving no air spaces. Well-rotted manure and bone meal or other suitable fertilizer may be placed on the surface as a mulch after planting.

SPRAYING—To prevent and control mildew, spray with any good fungicide which will not discolor the foliage. A suggested solution is 3 teaspoons Bordelo and 3 teaspoons Acme Emo-Nik to 1 gallon of water. Acme Aphis Spray is also recommended for aphid control.

LATE SEASON PLANTING—Fine pot grown roses of many bush and climbing varieties are available during April, May, and June or until the supply is exhausted. These pot grown bushes are well established and growing, and will continue to grow in your garden without interruption. Prices are as listed, f. o. b. San Francisco. Shipment by express, transportation charges collect; shipping weight averages 5 to 6 pounds per bush.

Pruning

This should be done during the months of December, January and February; at that time the bushes are in a dormant condition. Cut just above a prominent but dormant bud that is pointing outward.

The Tea Varieties (T.) require to be more severely pruned than any other sort. Cut back to about 6 or 7 inches from the old wood each year; keep the center of the plant open and thin out all the weak wood, leaving about 5 or 6 shoots, according to the size of the plant.

Hybrid Teas (H. T.) should have almost as much pruning done as the Teas.

Hybrid Perpetuals (H. P.)—First cut out any dead or weak wood, keeping the center of the plant open, then cut the remaining shoots down to sound, healthy wood to within 6 or 12 inches of the base; this hard pruning keeps the plants compact and promotes new life for future years. After the first year they require little pruning except to cut out dead wood.

Austrian and Hybrid Briars (H. B.) require to be cut back fairly hard when planted out but afterwards need no pruning except to cut out dead wood.

Polyantha or Baby Roses (P.) should be but little pruned; merely cut out dead wood and keep the center of the plant from getting too crowded.

Single (S.) require little (if any) pruning when established, but will be the better for being cut back when planted.

Climbers. These are not usually pruned severely as their purpose is for mass effect. They should, however, be periodically thinned out.

STANDARD ROSES

(Tree Roses)

The following varieties can be supplied in tree-shaped form in No. 1 grade on stout stems 3½ to 4 feet high, \$2.50 each; or in a lot of 10 or more \$2.25 each, f. o. b. San Francisco. Shipment by express is advised, as it is not practicable to send Standard Roses by Parcel Post.

AUTUMN—Burnt orange with pink and red.

CHARLES P. KILHAM—Coral-red and pink.

CONDESA DE SASTAGO—Fiery copper and gold.

DUCHESS OF ATHOLL—Golden bronze flushed orange.

DIRECTOR RUBIO—Lovely deep rose pink.

DUQUESA DE PENARANDA—Orange and pink.

E. G. HILL—A dazzling scarlet.

ETOILE DE HOLLANDE—Large brilliant red.

FEDERICO CASAS—Reddish-orange, yellow center.

GENERAL MacARTHUR—Bright scarlet red.

HOOSIER BEAUTY—Rich velvety crimson.

J. OTTO THILO—Glowing rose pink.

LADY FORTEVIOT—Golden-yellow and apricot.

MRS. E. P. THOM—Deep canary yellow.

MRS. HERBERT STEVENS—A charming white.

MRS. SAM McGREDY—Beautiful combination of red-copper and orange.

PRESIDENT HOOVER—Cerise-pink, scarlet and yellow. Lovely in standard form.

ROSE MARIE—Clear rose-pink.

TALISMAN—Combination of orange and yellow.

BUSH ROSES

All the roses we offer are extra strong 2-year old field grown No. 1 grade and will bloom freely the first season.

Quantity Rates

On orders for 10 to 25 roses deduct 10% from the total amount. When ordering more than 25 deduct 15%. Patent roses not included.

Bush and Climbing Roses are prepaid within the 4th zone on orders for \$1.00 and over. On orders for less than \$1.00 add 25c to cover cost of postage and handling.

Shipping Weights: One rose, 3 lbs.; each additional rose, 1 lb.

AMERICAN BEAUTY (H. P.)—Deep pink shaded toward the center with carmine-crimson. Large, fragrant. 60c.

ANGELS MATEU—A distinctive new color which might be described as brilliant orange-rose. The blooms are large, fully double and fragrant. The plant has a strong, upright growth, is well foliaged and a prolific bloomer. \$1.50 (Patent).

AUTUMN (H. T.)—A most unusual color combination of deep burnt orange and pink streaked with red. Moderately fragrant and very lasting. The bush is a strong upright grower with thick, glossy foliage. 60c.

BABY DOLL or **TIP TOP**—A "Baby Rose" with well-shaped buds and reflexed flowers of pink and coppery yellow tipped with rose. Small growth and continuous bloom. 75c.

BETTY UPRICHARD (H. T.)—The inner surface of petals is a delicate salmon-pink to carmine, while the reverse of petals is a deep and glowing coppery carmine, suffused orange; a glorious combination of colors. It flowers freely and is an excellent grower. 60c.

BLACK PRINCE (H. P.)—Dark crimson, nearly black, medium size. 60c.

BRIARCLIFF (H. T.)—An improved Columbia. High-centered buds of excellent form; color bright pink; stems long, stiff and nearly thornless. 60c.

CATALONIA—A startling new color in roses, being a combination of velvety orange-scarlet, vermilion and cochineal red. The plants are of medium height and bushy. \$1.00.

CECILE BRUNER (P.)—The well-known "Baby Rose." The miniature flowers are rosy pink shaded with salmon and usually borne in open clusters; in bloom for a long period. 60c.

CHARLES P. KILHAM (H. T.)—A remarkably fine flower of the Mme. Edouard Herriot type, with many more petals and an even more brilliant coloring of coral-red and orange on long straight stems. It is a strong grower with a prolific blooming habit. 60c.

CONDESA DE SASTAGO—This Spanish novelty is the first double rose to have the vivid colors of the brilliant species rose Austrian copper. The bud is like a ball of gold with red stripes. Fully open it is fiery copper and rich gold. 75c.

CONQUEROR—Large beautifully shaped bud of rich orange-yellow, which as it opens, gradually reveals a brilliant fiery flame color shading to base of petals. A vigorous grower and a beautiful rose. 75c.

CUBA (H. T.)—Somewhat resembles Padre, but its vivid long orange-scarlet buds are a little deeper in color and the stems are heavier. A semi-double rose of very tall growth and a good bloomer. 60c.



Duquesa de Penaranda

DAINTY BESS—See Single Roses, page 59.

DUQUESA DE PENARANDA—This grand rose produces long pointed buds of apricot, orange and dark pink. Curiously in the Fall the flowers are of a cinnamon peach color. A continuous bloomer. \$1.00.

DAME EDITH HELEN (H. T.)—A glowing pink variety which holds its color with age. The flowers are large and full, of perfect form, carried on rigid, erect stems. Vigorous grower, free flowering and sweet scented. 60c.

DIRECTOR RUBIO (H. T.)—Flowers are dark carmine in bud, opening to a warm rich pink. The large thick petals are interspersed with short curled ones giving the strong stemmed flowers a peony-like form. 65c.

DUCHESS OF ATHOLL (H. T.)—One of the most outstanding of the newer varieties. Full, double flowers on heavy stems in a very rich shade of golden bronze flushed orange. A continuous bloomer and vigorous grower. 60c.

ECLIPSE (H. T.)—Esteemed for its artistic, golden yellow buds, the beauty of which is further enhanced by the long irregular shaped, bright green sepals. A vigorous bush and good stems. \$1.50 (Patent).

EDITH NELLIE PERKINS (H. T.)—Long pointed buds opening to large full flowers on stiff stems. The flowers are two-toned, orange-buff inside the petals and a rich salmon and coppery pink outside. A vigorous grower. 60c.

E. G. HILL (H. T.)—A fine red rose with immense flowers of a dazzling scarlet, shading to a deeper red as they develop; the fragrant flowers are borne on long stems; of strong, vigorous and free flowering habit. 60c.

ETOILE DE HOLLANDE (H. T.)—Brilliant red blooms of magnificent size, perfect in half-open state and holds its color when fully open. One of the most fragrant roses; of branching habit and free flowering. 65c.

FEU PERNET-DUCHER (H. T.)—This beautiful new rose has received much favorable comment in national garden publications. The color is rich yellow, growing lighter toward the edges which are lightly flushed pink. It blooms well during spring and summer, but produces its best and most colorful blooms in later summer and fall. \$1.00 (Patent).

FRAU KARL DRUSCHKI (H. P.)—Also known as the White American Beauty. Pure snow-white; immense long buds; shell-shaped petals, opening to very large flowers. Of very strong upright growth; a continuous bloomer. 60c.

FEDERICO CASAS (H. T.)—Richly colored buds of reddish orange which open to semi-double flowers of coppery pink with an intense yellow center. Somewhat like Talisman but a much stronger grower with many more flowers. More highly colored than Talisman but not quite so double. 75c.

GAIETY (H. T.)—A medium sized flower of orange, Indian-red and silver; same parentage as Talisman though not so variable; moderately fragrant. A vigorous grower and continuous bloomer. 60c.

GENERAL MacARTHUR (H. T.)—Bright scarlet-red, large and full; buds of an ideal shape, carried on strong stalks; sweetly scented; vigorous grower and free bloomer. 60c.

GOLDEN DAWN (H. T.)—An Australian rose of vigorous growth and continuous bloom. The oval buds are rich sunflower-yellow opening into splendid large double sweetly scented flowers of light lemon-yellow. 60c.

GOLDEN EMBLEM (H. T.)—Flowers are large and of perfect shape. The long golden yellow buds are tinted with crimson on the outer petals and open to a full golden yellow flower. A perpetual bloomer, of free and branching habit with glossy green foliage. 60c.

GOLDEN GLEAM (H. T.)—A rich yellow rose with a bit of crimson on the outside petals in bud form. Opens to a full golden-yellow, has good stems and a vigorous, symmetrical habit of growth with glossy bright green foliage. 75c.

GRENOBLE (H. T.)—Well shaped crimson buds, opening to a large, full double, glowing scarlet or crimson bloom. The bush is a strong grower and the stems are unusually long. 75c.

GRUSS AN COBURG—Delicate apricot-yellow, shaded coppery-pink with deeper shadings at the center. A lovely rose on long non-branching graceful stems, and fragrant. 75c.

HADLEY—Though there are many fine red roses, Hadley remains a favorite. Its brilliant rich red buds open to full fragrant bloom on good stems. 60c.

HOOSIER BEAUTY (H. T.)—One of the best red roses, of rich velvety crimson color which does not fade. Richly fragrant; a good bloomer. 60c.

IMPERIAL POTENTATE—A delightful shade of deep rose-pink and an exceptional fragrance. It has beautiful form, is very double and keeps well when cut. 75c.

INNOCENCE—See Single Roses, page 59.

IRISH CHARM—A deep blush pink with an apricot tint, this magnificent rose produces many lovely perfectly formed buds for cutting and retains much of its charm to full open flower. 75c.

IRISH ELEGANCE—See Single Roses, page 59.

IRISH FIREFLAME—See Single Roses, page 59.

ISOBEL—See Single Roses, page 59.

I. ZINGARI (H. T.)—Vivid orange-scarlet buds opening to almost single vivid orange-yellow flowers covering the plant with a mass of bloom; very striking. 60c.

J. OTTO THILO—Exquisite, perfectly formed, glowing rose-pink buds opening to full long-lasting blooms when cut or left on the bush. Similar to Rose Marie but with larger blooms, stronger stems and with attractive leathery foliage. 75c.

JULES GAUJARD (H. T.)—Very large, cupped, extremely lasting and intensely fragrant flowers of bright orange-red flushed with carmine. Vigorous grower with disease-resistant foliage. 60c.

LADY FORTEVIOT (H. T.)—Golden yellow and apricot, sweet scented; of similar form to Angele Pernet; foliage dark and glossy. An excellent variety. 65c.

LESLIE DUDLEY—A remarkable rose for producing perfect bud and open bloom. The general color effect is salmon-pink, but other color blendings produce an overtone of coral and golden yellow. The stems are long and the blooms fragrant. 75c.

LOS ANGELES (H. T.)—A vigorous grower and continuous bloomer, producing long stemmed fragrant flowers of a brilliant flame-pink shading to coral and gold at the base of the petals; buds long and pointed. 60c.



Chas. P. Kilham

HEINRICH WENDLAND

Large, very double flowers of reddish copper, with an orange flush, the backs of the petals being a rich orange. Flowers are on strong stems. Fragrant. 75c.

HINRICH GAEDE

This is a very desirable rose. The color is rosy copper, also described as crimson on orange background or copper orange. The buds are very large and are usually borne singly on long, strong stems. \$1.00.



Heinrich Wendland



Mme. Butterfly

MME. COCHET-COCHET

Long pointed buds of a coppery-pink, flushed orange. The color of the open flower is the same as the bud except that the orange changes slightly to gold. This is a strong growing variety with good foliage. \$1.00 (Patent).

MME. NICHOLAS AUSSEL

A beautiful long copper-colored bud, opening to salmon-pink and shaded gold at the base of petals. It blooms profusely, with good stem, good foliage and is very desirable for cutting. 75c.



Rapture

LUCIA ZULOAGA—Large semi-double blooms of brownish scarlet, also described as intensive lacquer red. It has a rich fragrance. 75c.

LUIS BRINAS—A very attractive color combination of orange-copper. Well formed pointed buds which open slowly, with the petals curling back. A vigorous, upright growing plant with bronzy new foliage. \$1.00 (Patent).

LULU—In bud or open flower this dainty rose is greatly admired. The very long, slender bud, coral-apricot in color, flares slightly at the tip and is an unusual form. Buds are produced in great numbers and open to pleasing semi-double flowers. 60c.

MARGARET McGREDY (H. T.)—Large ovoid buds and double, cupped flowers of solid orange-vermilion on strong stems. A marvelous color. Vigorous grower and continuous bloomer. 60c.

MARI DOT (H. T.)—A striking color of reddish salmon-yellow with a satiny sheen; the flower opening to clear bright salmon and salmon-pink and gold at base of petals. Strong grower and free bloomer. 60c.

MARY HART (H. T.)—A beautiful new sport of Talisman having the same form but a longer bud. The rose is large, double and intensely fragrant and a maroon-red color which does not turn blue. A vigorous grower and profuse bloomer. \$1.00 (Patent).

McGREDY'S IVORY (H. T.)—The buds are long and pointed, opening to perfectly formed flowers of creamy white with light yellow at the base of petals. A strong grower with excellent foliage and a prolific bloomer. 75c.

MME. BUTTERFLY (H. T.)—A splendid sport of Ophelia with all its good characteristics. Flowers are a light pink suffused apricot and gold. 60c.

MME. EDOUARD HERRIOT, the DAILY MAIL ROSE (H. T.)—The buds, which are long and pointed, are coral-red shaded yellow at base; the open flowers of medium size and semi-double are a beautiful coral-red shaded with yellow and bright rosy scarlet. 60c.

ROSA ROULETTI (Pot Rose). Said to be the smallest rose grown. The tiny rose-pink buds are perfect in form and the plants are little gems in pots. 65c.

"Potted roses for late planting"—See page 55.

MRS. A. R. BARRACLOUGH (H. T.)—Large conical buds and enormous pure pink flowers shading to light yellow towards the center; fragrant, strong grower and free bloomer. 60c.

MRS. ERSKINE PEMBROKE THOM (H. T.)—Color is a distinct, clear, deep canary-yellow. The buds are of good long shape and develop into good-sized full flowers. The plant is of exceptional vigor and blooms very freely. 60c.

MRS. G. A. VAN ROSSEM (H. T.)—A brilliant flame orange on golden-yellow ground, intensified by unusually heavy bronzy-red veining which enhances the beauty of this remarkable rose. The bush is of medium growth with large upright stems. 60c.

MRS. HENRY BOWLES (H. T.)—A very large firm ovoid bud of warm glowing pink, opening to big full flowers. In constant bloom from early spring until late fall. 60c.

MRS. HERBERT STEVENS (T)—Charming buds slightly tinted lemon in the center but opening to pure white. It has a good habit of growth and other qualities which make it one of the very desirable white roses. 60c.

MRS. SAM McGREDY (H. T.)—Buds are large and long pointed; the open flowers are double, moderately fragrant and very lasting. The color is a wonderful combination of red, copper and orange, changing to warm pink with gold suffusion as the flower ages. A continuous bloomer of low and spreading growth. 75c.

NATIONAL FLOWER GUILD—Huge, bright red flowers, fully double borne on large plants with slightly drooping foliage. A continuous bloomer, even during the hot summer season when other roses are resting. A modern rose in every way. 60c.

OPHELIA (H. T.)—Flowers salmon-flesh shaded with rose, large good shape, standing up well on stiff stems; fragrant and very free flowering. 60c.

PADRE (H. T.)—A most novel and attractive coloring, with fine long petals of coppery scarlet flushed with yellow at the base; semi-double. Erect strong bush; blooms with exceptional freedom. 60c.

PRESIDENT HOOVER (H. T.)—A charming combination of cerise-pink, flame, scarlet and yellow. The buds are pointed and the flowers large, composed of broad, heavy petals with an exquisite fragrance. Of good habit of growth and free flowering. 65c.

PRES. PLUMECOCQ—A strong, upright plant producing a great number of coppery-yellow buds which open into large cupped blooms of coppery-buff with a glow of deep salmon pink. Fragrant throughout the season. 75c.

QUEEN ALEXANDRA (H. T.)—Color intense vermilion, deeply shaded old gold on reverse of petals; a remarkable and pleasing color combination, which is quite pronounced during cool weather; in hot weather the colors are dulled. 60c.

RADIANCE (H. T.)—Brilliant rose-pink; full flowers of beautiful form. 60c.

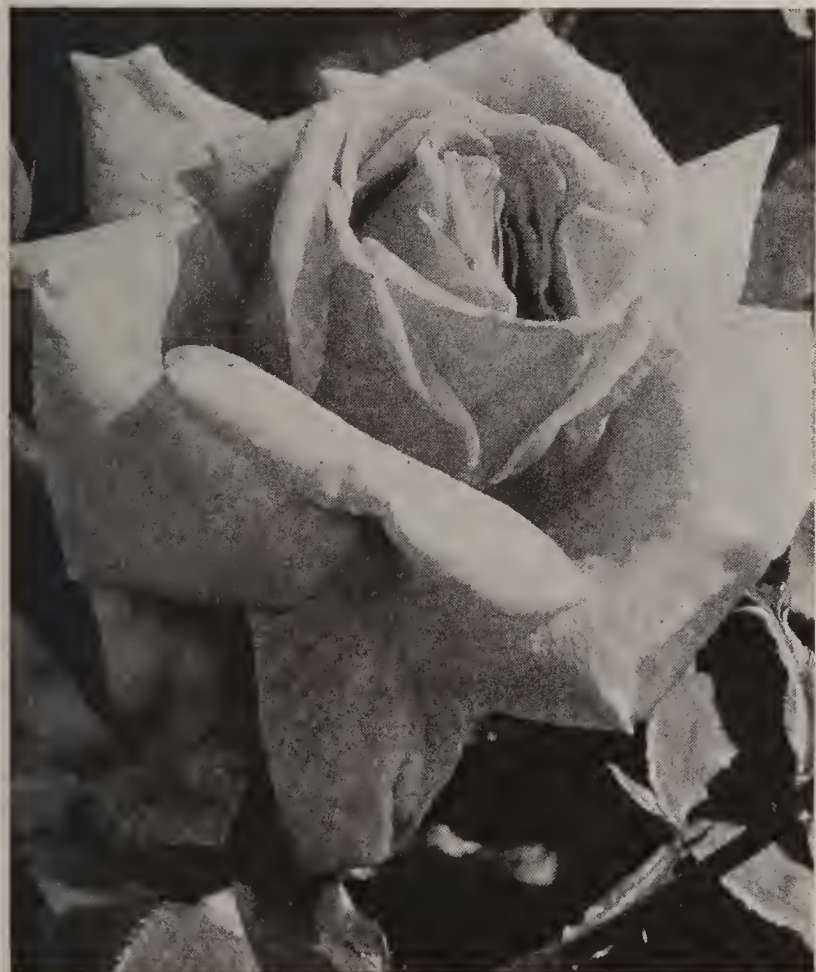
RAPTURE (H. T.)—Pointed buds opening to large well shaped flowers of deep salmon with a bright golden suffusion. Strong grower and free bloomer; a sport of Mme. Butterfly. 60c.

RED RADIANCE (H. T.)—Clear cerise-red, large, full and well formed; a fine garden variety. Fragrant, prolific bloomer and vigorous grower. Same habit of growth as Radiance. 60c.

ROSE MARIE (H. T.)—Long buds and well formed full flowers of a clear rose-pink which does not readily fade. Delightfully fragrant and extremely free flowering. Strong grower. 60c.

ROUGE MALLERIN (H. T.)—A magnificent bud of brilliant red, opening to a full double glowing scarlet. The plant is vigorous, and upright with bronze young foliage and strong stems. It seems worthy of a trial in any garden. \$1.25.

SHOT SILK (H. T.)—A beautiful combination of orange-rose overlaid with yellow and suffused with pink. Buds and flowers of medium size, fragrant and produced freely. Of moderate growth. 60c.



President Plumecocq

SIGNORA (H. T.)—A bright scarlet-orange with shadings of tangerine and cerise and a golden yellow base in brilliant contrast. Very attractive in bud or open bloom, has strong stem and keeps well when cut. Vigorous and blooms freely. \$1.50 (Patent).

SOUTHPORT—Long pointed vivid scarlet buds opening to semi-double and holding its color well in the full bloom. The plant is strong, upright and blooms freely. It is an exceptional rose. \$1.00.

SOUVENIR DE MME. BOULLET (H. T.)—A fine dark yellow rose with long slender buds opening to large full flowers. A vigorous grower. 65c.

SOUV. MME. CHAMBARD—Long slender buds of artistic form, opening to a full double perfect bloom. The color is coral-pink with a satiny peach tint and a lovely sheen as a finishing touch. Chosen as the most beautiful rose in France in 1932. 75c.

TALISMAN (H. T.)—A vividly colored rose being a mixture of orange and yellow in irregular proportions, varying so much that no two flowers are alike; fairly double, borne on long stems, sweet scented. 60c.

VILLE DE PARIS (H. T.)—A clear sunflower-yellow rose which does not fade even in the hottest sunshine. A vigorous erect grower with glossy reddish green foliage. A continuous bloomer. 65c.

WARRAWEE—Long pointed buds of salmon-pink opening to large flowers of exquisite shell pink with a slightly darker reverse. It has the delicious fragrance of Clove pinks, beautifully formed flowers, attractive bronzy new foliage. \$1.00 (Patent).

WESTERN GOLD—A brilliant golden-yellow sport from Talisman, and similar to that exquisite rose in size, form and habit of growth. 75c.

SINGLE BUSH ROSES

DAINTY BESS—Medium sized single flowers borne in clusters of three. Delicate pink in color with a contrasting center of wine-red stamens. A strong tall grower and profuse bloomer. 60c.

INNOCENCE—Large semi-single pure white with contrasting amber stamens. A moderate grower with disease-resistant foliage. 60c.

IRISH ELEGANCE—A single rose, bronze pink buds, opening with shades of apricot and yellow. Very strong growth and continually in flower. 60c.

IRISH FIREFLAME—A large single rose; buds are a rich deep orange flushed with crimson opening to an old gold color. Strong growth and profuse bloom. 60c.

ISOBEL—A single rose with exquisitely pointed buds and flowers with huge petals flushed with carmine-red and orange, becoming pink with age; fragrant. Very vigorous and floriferous. 60c.

VESUVIUS—The best single red rose. Bright scarlet-crimson with a golden center; fragrant and lasting several days when cut; free bloomer and a tall grower. 60c.

Moss Roses

Moss Roses bear a crown of lacy moss upon the stems and sepals and are exquisitely lovely in bud. The bushes are large and vigorous but should be left unpruned for best results. They look best in back of other roses or shrubbery.

Pink, Red, White—75c each.

CLIMBING ROSES

All the climbing roses we offer are extra strong 2-year old field grown No. 1 grade.

BANKSIA WHITE—Same as Banksia Yellow except for color. 75c.

BANKSIA YELLOW—A thornless climber, with glossy evergreen foliage. The flowers are small but bloom in great profusion in spring and early summer. 75c.

BELLE OF PORTUGAL—Large flowers of a delicate soft pink tinged with salmon. Because of its strong growth it does not bloom for a year or two, but thereafter produces a mass of bloom in May and June. 65c.

CLIMBING BETTY UPRICHARD—This popular rose is grand as a climber, producing great numbers of its semi-double copper red buds, which open to soft salmon pink and orange-carmine. 60c.

BLAZE—A new everblooming scarlet-red climber sometimes called the everblooming Paul's Scarlet. Flowers and growth same as Paul's Scarlet. The originators claim it to be a free continuous bloomer. \$1.00 (Patent).

CHEROKEE PINK—A single rose of a delicate clear pink color. A vigorous climber with glossy foliage. 75c.

CHEROKEE RED or **RAMONA**—Same as above, but flowers are deep rosy carmine. 75c.

CLIMBING CAROLINE TESTOUT (H. T.)—A very quick-growing climbing rose. The blossoms are a satiny pink color and very large. A continuous bloomer. 60c.

CLIMBING CECILE BRUNER (P.)—A very rampant grower. The small flowers are salmon-pink shading deeper toward the center and come in clusters; free bloomer. 60c.

CLIMBING CHAS. P. KILHAM (H. T.)—A strong grower with large full flowers of coral-red flushed with orange and scarlet. 65c.

CLIMBING DAINTY BESS—This dainty, single amber-pink rose produces hundreds of blooms and continues blooming throughout the season. It is charming in the climbing form. 85c.

CLIMBING DAME EDITH HELEN—Large full-petaled blooms of glowing pink. 60c.

CLIMBING DUCHESS OF ATHOLL—A rich shade of golden bronze flushed orange. An outstanding variety. 75c.

CLIMBING ETOILE DE HOLLANDE (H. T.)—The climbing form of this very popular rose. Large, brilliant red blooms. \$1.00.

CLIMBING FRAU KARL DRUSCHKI—Very large pure white blooms, thick petals and strong stems. An excellent climber. 50c.

CLIMBING GENERAL MacARTHUR (H. T.)—Bright scarlet-red, large and full, fragrant. A vigorous and free flowering climber. 60c.

CLIMBING GOLDEN EMBLEM—A rampant climber with enormous, heavy canes producing quantities of double golden yellow flowers. 75c.

CLIMBING HADLEY (H. T.)—A vigorous climber with deep crimson, fragrant blossoms which are produced all through the summer. 60c.

CLIMBING HOOSIER BEAUTY (H. T.)—Of strong vigorous habit, bearing beautiful long buds of an intense rich, dazzling crimson-scarlet. 60c.

CLIMBING LADY HILLINGDON (T.)—Apricot-yellow; a climbing sport of the bush variety. 60c.

CLIMBING LOS ANGELES (H. T.)—Luminous flame-pink with golden shading at the base of the petals. A vigorous climber and free bloomer. 60c.

MERMAID—Beautiful single flowers of great size; pure ivory white with a lemon center; fragrant. The foliage is a deep shiny green; disease resistant. A very vigorous grower and profuse bloomer. 75c.

CLIMBING MME. BUTTERFLY (H. T.)—A vigorous climber with slender shapely buds of shell-pink with gold base. Sweetly scented. 60c.

CLIMBING MME. EDOUARD HERRIOT (Climbing Daily Mail) (H. T.)—A vigorous climbing rose with the coral-red colorings of the bush Mme. Edouard Herriot. 60c.

CLIMBING MRS. E. P. THOM (H. T.)—A vigorous climber with medium sized deep canary-yellow flowers. \$1.00.

CLIMBING MRS. HERBERT STEVENS—Pure white, fully double. 75c.

KITTY KININMONTH—This distinguished rose provides a remarkable array of semi-double, cupped blooms which are a brilliant fadeless pink. It is a magnificent rose. 75c.

CLIMBING OPHELIA (H. T.)—A vigorous climbing form of the grand Ophelia rose which is so popular. 60c.

PAUL'S SCARLET CLIMBER—The flowers are a vivid scarlet, of good size and semi-double, very freely produced in clusters on much branched canes. It is of strong climbing habit and perfectly hardy. 75c.

CLIMBING PRESIDENT HOOVER (H. T.)—A rampant climbing form of the popular bush rose. Identical in color and form of bloom. 75c.

CLIMBING QUEEN ALEXANDRA (H. T.)—A strong climber; the flowers are the same color as on the bush variety. 60c.

CLIMBING ROSE MARIE (H. T.)—The clear rose-pink flowers are larger than on the bush form and are produced very freely, fragrant. A fine climber. 60c.

CLIMBING SHOT SILK (H. T.)—Another fine climber. Flowers slightly larger than the bush type and of the same orange-rose suffused with pink. 60c.

SILVER MOON—Single white flowers of large size; a very vigorous grower; fine foliage. Mostly a spring bloomer. 60c.

CLIMBING TALISMAN (H. T.)—Flowers are the same wonderful color and lovely form as the bush variety; a very free bloomer. 75c.

Standard or Tree Roses—See page 55.

Coniferous Trees and Shrubs

F. O. B. San Francisco

ABIES

CONCOLOR (White Fir)—A moderately growing tree well adapted for a small yard. Makes a fine outdoor Christmas tree. Very resistant to heat and drought. Balled, 1½ to 2 feet, \$3.50 each; 2 to 3 feet, \$4.00 each.

CEDRUS

(Cedar)

ATLANTICA (Mt. Atlas Cedar)—A large tree of open growth and pyramidal in habit. Foliage dark green. Balled, 3 to 4 feet, \$3.00 each. Larger sizes, \$4.00 and up.

ATLANTICA GLAUCA—A beautiful symmetrical tree with foliage of intense silvery blue. Balled, 3 to 4 feet, \$3.00 each. Balled, 5 to 6 feet, \$5.50 each.

DEODORA (Indian or Himalayan Cedar)—Exceedingly handsome; branches are drooping, with silvery green foliage; fine for planting in a large lawn. Gallon cans, 80c. Balled, 2 to 3 feet, \$2.50 each. Balled, 3 to 4 feet, \$3.00 each. Balled, 4 to 5 feet, \$4.00 each.



Juniper, Excelsa Stricta



Juniper, Wilson's Weeping

ARAUCARIA

BIDWILLI (Bunya-Bunya Pine)—The branches of this variety turn downward and the tips turn up. The leaves are in a double row, about 2 inches long, stiff and sharp-pointed. A fine tree as a specimen. Bears large cones. Gallon cans, \$1.00 each.

CHAMAECYPARIS

(Flat Branched Cypress)

LAWSONIANA (Lawson Cypress)—A very handsome tree; foliage fern-like and a beautiful green. Holds a pyramid-like shape. Balled, 2½ to 3 feet, \$3.25 each.

LAWSONIANA ALUMI (Blue Lawson Cypress)—Of dense growth and columnar habit. Foliage very glaucous, with a bluish metallic hue. Gallon cans, 75c each. Balled, 2 to 3 feet, \$2.50. 3 to 4 feet, \$3.00. 4 to 5 feet, \$4.00. 5 to 6 feet, \$5.50 each.

LAWSONIANA ERECTA VIRIDIS (Green Column Cypress)—A clear, rich green characterizes this variety and the habit is upright and columnar. Balled, 3½ to 4 feet, \$3.75 each. 4 to 5 feet and larger, \$5.50 up.

LAWSONIANA FILIFERA AUREA NANA (Thread-like Cypress)—A graceful, dwarf, weeping plant of a very distinct type. Branches thread-like; foliage on young growth golden yellow. Balled, 15 to 18 inches, \$2.25 each. 1½ to 2 feet, \$2.75.

NIDIFERA (Bird's Nest Cypress)—A dwarf spreading variety, of compact habit with feathery foliage. Specimen plants. Balled, 1½ feet spread, \$2.00 each.

PISIFERA SQUARROSA NANA (Moss Retinospora)—A densely branched, spreading shrub with feathery branchlets. A very distinct and beautiful variety. Low growing. Gallon cans, 75c each.

LAWSONIANA "TRIUMPHE DE BOSKOOOP"—A graceful, pyramidal tree of upright habit having a fine silver-blue color. Balled, 6 to 7 feet, \$3.00 each.

California customers please include Sales Tax

CUPRESSUS

(Cypress)

MACROCARPA (Monterey Cypress)—A native of California, and one of the most desirable of evergreens; stands pruning well; very extensively planted for hedges. Gallon cans, 60c each. 5 gallon cans, 4 to 5 feet, \$2.50. Larger sizes, \$3.00 up.

JUNIPERUS

(Juniper)

CHINENSIS ARGENTEA—A dwarf, dense variety reaching upward to a sharp point. Grayish foliage with scattered sprays of white or yellow tinge. Balled, 1½ to 2 feet, \$2.50 each.

CHINENSIS PFITZERIANA (Pfitzer's Juniper) — Has bushy widespread horizontal branches, and forms an immense flat irregular head of bluish green foliage, graceful in outline, 6 to 8 feet in height and the same across. Gallon cans, 85c each. Balled, 2 to 3 feet, \$3.50 each.

CHINENSIS PROCUMBENS (Japanese Creeping Juniper)—A prostrate creeping variety with dense compact blue-green foliage. Good for the rockery and for covering slopes. Gallon cans, 85c each.

COMMUNIS HIBERNICA (Irish Juniper)—An erect, slender tree to 8 feet; very slow in growth. Ends of the branches have a tendency to turn slightly downward. Can be sheared to make a pyramid, although it holds that form naturally. Gallon cans, 75c. Balled, 18 to 24 inches, \$2.00 each.

EXCELSA STRICTA (Upright Juniper)—A handsome compact shrub, wide at base and tapering at the top; color silvery gray-green, of great merit in coniferous groupings, owing to color and habit. Specimen plants. Balled, \$2.25 each.

SABINA TAMARISCIFOLIA (Tamarisk Leaved Juniper)—A very fine creeping variety seldom more than 1 foot high and attaining a spread of 6 to 8 feet, making a dense compact mat of gray-green foliage which never changes color. Gallon cans, 85c. Larger sizes, balled, \$2.50 up.

WILSON'S WEEPING—A beautiful slow growing variety of spreading habit with both needle and scale leaves, branches are pendulous at the extremities. Balled specimens, \$2.25 and up.

PICEA

(Spruce)

EXCELSA (Norway Spruce)—A handsome tree of rapid growth; foliage in California is bright green; cones large. The branches become graceful and drooping with age. Balled, 2 to 3 feet, \$3.00 each. Balled, 3 to 4 feet, \$4.00 each.

PINUS

(Pine)

RADIATA (Monterey Pine)—The most desirable Pine for shade, and more extensively planted than any other variety in this State. Gallon cans, 2 feet, 60c each.

THUYA

(Arbor Vitae)

OBTUSA (Hinoki Cypress)—A handsome tree with horizontal branches and fern-like tufts of leaves which are dark green. Excellent rock garden subjects; slow growing. We have an assortment of sizes, suitable for rock gardens or formal plantings. Large assortment of balled specimens, \$7.00 and up.

OCCIDENTALIS PYRAMIDALIS—This variety forms a tall, narrow column of bright green foliage. Much more effective than Italian Cypress for entrance plantings or for accent in a formal garden. Gallon cans, 75c each. Balled, 3 to 4 feet, \$4.00 each.

ORIENTALIS AUREA BERCKMANIANA (Berckman's Golden Arbor Vitae)—Dwarf compact evergreen shrub with bright golden yellow tinted foliage, retaining its wonderful color and form under all conditions; well adapted to garden and porch ornamentation. Gallon cans, 85c each.

TAXUS

(Yew)

BACCATA FASTIGIATA (Irish Yew)—A slow growing tree of dense, columnar habit; foliage is of the darkest hue; bears large red berries. Balled, 2½ to 3 feet, \$3.75; 4½ to 5 feet, \$6.50; 5 to 5½ feet, \$9.00; 5½ to 6 feet, \$12.00; 6 to 7 feet, \$18.00.

TAXUS (Yew)—Continued

BACCATA FASTIGIATA VARIEGATA (Golden Irish Yew)—The habit and form are the same as the green variety with the exception of the foliage being of intense golden color during the spring, gradually turning lighter during the following seasons. Balled, 2½ to 3 feet, \$4.75 each.

TSUGA

(Hemlock)

HETEROPHYLLA (Mountain Hemlock)—A beautiful native tree; foliage borne as in immense plumes, somewhat glaucous. Tree very symmetrical in growth. Prefers a cool, partially shaded location. Balled, 4 feet, \$4.25 each.



Thuya, Occidentalis Pyramidalis

Evergreen Trees and Shrubs

Prices quoted on Trees and Shrubs are f. o. b. San Francisco.

The figure following the name of the plant indicates the average height it attains and is given for your guidance in planting.

ABELIA

FLORIBUNDA (Mexican Abelia). 6 ft. A new variety with showy carmine, tubular flowers, with white throats. Flowers are about 2 inches long and are borne singly or in clusters of 2 or 3. Blooms profusely from spring to early summer and again, less profusely, in late summer. The small leaves are ovate and dark green. Gallon cans, **85c each**.

GRANDIFLORA. 6 ft. A pretty free-flowering shrub, remaining in bloom during the entire summer, bearing tubular flowers almost one inch long, white, flushed pink. Gallon cans, **60c each**. Balled, 3 to 4 feet, **\$1.75 each**.

SCHUMANNI. 6 ft. A beautiful new Abelia, with flowers much larger than A. Grandiflora. Color is soft pinkish lavender. Loses most of its foliage in the winter. Gallon cans, **75c each**.

ABUTILON

MEGAPOTAMICUM (Lantern Flower)—This half climbing evergreen shrub is highly recommended for its free-flowering habit. The yellow petals with red stripes, and the red-brown calyx, appear on the semi-weeping branches all year. Does well in practically any situation, and requires very little attention. 4-inch pots, **40c each**.

ACACIA

Highly ornamental and decorative, rapid growing shrubs and trees which are natives of Australia.

ARMATA (Kangaroo Thorn). 10 ft. A spreading shrub with long slender branches. Small deep green leaves with a small sharp thorn at each leaf; flowers light yellow, borne all along the branches; blooms in February. Gallon cans, 3 feet, **50c each**. Gallon cans, 4 to 5 feet, **60c each**.

BAILEYANA. 30 ft. Very ornamental tree, with bluish green feathery foliage and covered with a mass of bright canary-yellow flowers in January. Gallon cans, 3 to 4 feet, **50c each**. Gallon cans, 4 to 5 feet, **60c each**. Gallon cans, 5 to 6 feet, **75c each**.

DIETRICHIANA—This bushy shrub has very narrow leaves, dark green, and 3 to 4 inches long. The flowers are borne in small clusters about 6 to 12 inches along the stems in January. They are light yellow and very fragrant. This is a rare variety. Gallon cans, **75c each**.

FLORIBUNDA. 25 ft. A rapid-growing tree of pendulous habit, with long, narrow foliage; flowers come in racemes of bright yellow, blooming throughout the summer, useful for avenue and street planting. Gallon cans, 4 to 5 feet, **50c each**. Gallon cans, 5 to 6 feet, **75c each**.

LATIFOLIA. 15 to 25 ft. Used extensively in Golden Gate Park for windbreaks and is also a valuable hedge plant; leaves are long and flowers golden yellow. Gallon cans, 3 to 4 feet, **50c each**. Gallon cans, 4 to 5 feet, **60c each**. 5-gallon cans, 7 to 8 feet, **\$2.00 each**.

MELANOXYLON (Blackwood Tree). 40 ft. Valuable for sidewalk or avenue trees; it has few equals, being of very rapid growth, and it can be trimmed so as to make beautiful specimens. Flowers pale yellow, blooms in March. Gallon cans, 4 to 5 feet, **50c each**. Gallon cans, 5 to 6 feet, **60c each**. Gallon cans, 6 to 7 feet, **75c each**. 5-gallon cans, 6 to 8 feet, headed, **\$2.00 each**.

MOLLISSIMA (Green Wattle)—An upright feathery foliaged tree that does well with a balled top. Rapid growth is a characteristic. It is a very clean variety. Gallon can, **75c**.

VERTICILLATA. 10 ft. A spreading shrub with fine needle-like leaves; flowers deep yellow, blooms in April and May. Fine for grouping. Gallon cans, 3 to 4 feet, **50c each**. Gallon cans, 4 to 5 feet, **60c each**.

ANDROMEDA

(Pieris)

JAPONICA. 5 ft. A compact, low growing shrub with small dark green foliage and long panicles of dull bronzy red buds which appear during the summer and open into white flowers in spring. Balled, 1 to 1½ feet, **\$2.50 each**; 2 feet, **\$3.00 each**.

ARALIA

(Fatsia Japonica)

SIEBOLDII. 6 ft. A massive plant of tropical appearance with very large shining green, deeply lobed leaves. A splendid porch plant and also suitable for outdoors in the shade. Gallon cans, **75c each**.

ARBUTUS

(Strawberry Tree)

UNEDO. 10 ft. A moderate sized shrub, with clean, attractive foliage. White flowers appear in winter months and with them the large, red strawberry-like fruits of the previous season. Gallon cans, **75c**.

ASTER

FRUTICOSA—A dainty, slender-branched shrub reaching about 3 feet, and covered during the summer with pinkish-lavender flowers. Very desirable. Gallon cans, **85c each**.

AUCUBA

JAPONICA. 5 ft. This shrub is sometimes called the "Gold Dust Tree," on account of the large glossy foliage marked with yellow spots. Of slow spreading growth. In the warmer sections it should have partial shade. Fine for porch decorations. Gallon cans, **60c each and 75c each**.

AZALEA

HINODIGIRI (Japanese Evergreen Azalea). 2 ft. Flowers bright red, appearing very early in the season; of dwarf habit. Balled, 6 to 8 inches, with flowering buds, **\$1.00 each**.

BERBERIS

(Barberry)

DARWINII. 5 ft. A densely branched, spreading shrub, with thick and leathery foliage; flowers orange-yellow and very fragrant, followed by purple fruit; the best of the species. Gallon cans, **60c each**. Balled, 1½ to 2 feet, **\$1.50 each**. Larger sizes available.

WILSONAE, 3 ft. An introduction from western China of very dwarf habit with small glossy green leaves and long spines. The foliage in the fall assumes beautiful red tints; has attractive red berries in the winter. Gallon cans, **65c each**.



Arbutus (Strawberry Tree)

Please include Sales Tax within the State of California



Bouvardia Humboldtii

BOUVARDIA

HUMBOLDTI. 4 ft. A small shrub with drooping branches producing large, white Jasmine-like flowers in close terminal clusters during summer and fall; intensely fragrant towards evening. Requires partial shade and a protected position as it will not endure a temperature less than 26 degrees above zero. Gallon cans, 85c each.

BRACHYSEMA

LANCEOLATA—An upright-Australian shrub reaching 4 feet in height and slightly more in spread. The pointed silvery-green leaves are very effective and the red parrot-bill type of bloom remains on the plant from midsummer through the winter. Each, 85c.

BUDDLEIA

ALTERNIFOLIA (Fountain Lilac)—A fine new variety with graceful arching branches and of compact and clean habit. The flowers are lilac and completely cover the plant during the spring and summer. The ultimate height is 5 feet. Gallon cans, 75c each.

VARIABILIS MAGNIFICA, 10 to 15 ft. Commonly known as the Butterfly Bush or Summer Lilac. Produces large drooping panicles of purplish-violet flowers in great profusion all summer. Gallon cans, 50c each.

ASIATICA. 8 ft. Fast growing, with silvery green foliage, bearing in winter many slender 6-inch spikes of fragrant white flowers. Gallon cans, 60c each.

MADAGASCARIENSIS. 15 to 20 ft. A quick-growing shrub with broad dark green foliage; flowers coppery orange and slightly fragrant. Gallon cans, 60c each.

BOXWOOD

(Buxus)

SUFFRUTICOSA—Dwarf, for edging purposes. \$1.00 per 10; \$8.00 per 100.

CAMELLIA

Beautiful winter-flowering evergreens, with shining dark green foliage and magnificent wax-like flowers blooming very profusely all winter. Should be grown in a partially shaded, well sheltered location. Quite hardy.

The better varieties of Camellias are scarce and stock is limited. Varieties, sizes and prices will be quoted on application.

CANTUA

BUXIFOLIA. 6 ft. A summer flowering shrub of branching habit, with small box-like foliage. The showy crimson tubular flowers, 2½ inches long, are produced in clusters on long, drooping branches. A free bloomer and about as hardy as a Fuchsia; should be grown in an open sunny place. Gallon cans, 60c each.

CASSIA

TOMENTOSA. 10 ft. A large shrub of very strong and erect growth. Leaves, pinnate; flowers yellow, saucer shaped. Extremely free flowering. Gallon cans, 60c each.

CEANOTHUS

(California Wild Lilac)

CYANEUS. 5 to 10 ft. A native shrub with small, glossy green leaves and very dark blue flowers which appear late in the spring. Gallon cans, 75c each.

CESTRUM

AURANTIACUM. 10 ft. A strong-growing shrub blooming in the fall and early winter. The orange-yellow tube-shaped flowers are 1½ inches long and are borne in clusters, followed by snow-white berries. Gallon cans, 60c each.

FASCICULATUM. 10 ft. A quick-growing shrub of tall and slender habit. The bright red flowers are trumpet-shaped and are borne in compact clusters at the ends of the branches. Gallon cans, 50c each.

PARQUI (Night-Blooming Jasmine). 10 ft. A shrub of moderate growth with greenish-yellow flowers which are very fragrant at night. Gallon cans, 60c each.

CHOISYA

(Mexican Orange)

TERNATA. 4 to 6 ft. A compact shrub with bright glossy green divided leaves, flowers white, fragrant and borne in clusters. Gallon cans, 65c each.

CHORIZEMA

ILLICIFOLIUM. 6 ft. An attractive spring flowering shrub, with slender, drooping branches, orange-red, Pea-shaped flowers in loose racemes, and Holly-like leaves. Native of Australia. Gallon cans, 60c each.

VARIUM—Much better than the variety illicifolium. The leaves are larger and somewhat heart-shaped and the flowers are a more brilliant color. Gallon cans, 75c each.

COTONEASTER

Ornamental shrubs with orange or red berries remaining on throughout the whole winter; some are of upright growth and others of low-spreading habit.

FRANCHETI. 8 ft. A graceful shrub of upright growth and very arching branches, leaves are downy. Flowers pink, followed by yellowish red berries. Gallon cans, 50c each.

HARROVIANA. 8 to 10 ft. Tall, graceful branching habit; flowers white and berries which are borne in large masses, are rosy red. Gallon cans, 60c each.

PARNEYI. 8 ft. The foliage is much larger than other Cotoneasters and the stems are loaded with big clusters of immense, brilliant red berries in the fall and winter. Gallon cans, 60c each. 5-gallon cans, \$3.50 each.

PROSTRATE VARIETIES

HORIZONTALIS. 2 ft. A small-growing shrub of low-spreading habit; small round foliage, flowers small white, appearing in May and followed during the fall and winter months by bright red berries. Gallon cans, 50c each.

MICROPHYLLA. 3 ft. A small-growing evergreen variety of low-spreading habit; leaves small, glossy and very dark green; flowers small white, followed by large purplish-red berries in the fall and winter. Gallon cans, 60c each.

CISTUS

(Rock Rose)

LADANIFERUS MACULATUS. 4 ft. A free flowering dwarf shrub with showy flowers similar to a single rose, appearing in early summer. Pure white with brownish crimson spot at base of each petal. Gallon cans, **60c each.**

PURPUREUS. 3 ft. A new and beautiful variety thriving in a sunny position and hardy anywhere in California. Blooms from April to December, producing quantities of crepe-like flowers 3 to 4 inches across, of a delicate rosy purple with a maroon spot at base of petal and a center of yellow stamens. Gallon cans, **75c each.**

SILVER PINK—A new variety of medium growth with large pink flowers. The foliage is gray-green, making a clean, desirable shrub. Will be widely planted when better known. Gallon cans, **85c each.**

CONVOLVULUS

CNEORUM—A most attractive shrub with lovely silver-grey foliage and bearing white flowers about 2 inches in diameter, slightly tinged pink on the outside. Habit of growth dwarf and compact. A fine rock garden subject. Gallon cans, **75c each.**

COPROSMA

BAUERI—A compact-growing shrub which can also be trained as a low climber. Leaves are rounded and green and very glossy. Gallon cans, **60c each.** Ask for prices on larger sizes.

CORREA

SPECIOSA (Australian Fuchsia)—A spreading, bushy shrub growing about 3 feet high, with dense, deep olive green foliage. The yellow flowers are bell-shaped and drooping. A very good specimen under windows or in the foreground. Gallon cans, **85c each.**

DAPHNE

CNEORUM. A dwarf shrub of spreading habit producing delicately perfumed rose-pink flowers. Requires a sunny position and well drained soil. Fine for rock planting. Balled, 4 to 6 inches spread, **\$1.25 each**; 6 to 9 inches spread, **\$1.50 each.**

ODORA MARGINATA (Pink Daphne). 4 ft. A small shrub producing light pink flowers which are intensely fragrant and massed in dense clusters at the end of the branches during the winter; the leaves are edged creamy white. Balled, 1 to 1½ feet, **\$3.00.** Balled, 1½ to 2 feet, **\$3.50.**

DIOSMA

(Breath of Heaven)

ERICOIDES. 4 ft. This handsome little shrub produces small white star-shaped flowers in great profusion. The foliage, when bruised, is very fragrant. Gallon cans, **60c each.**

PULCHRUM (Pink Diosma)—A new shrub with light green aromatic foliage. The small, star-shaped flowers are lavender-pink and almost continuously in bloom. Gallon cans, **75c each.**

DRACAENA

(Dragon Palm)

AUSTRALIS. 15 ft. A fine plant for outdoor planting in California, and much in use for lawns, avenues and parks. Gallon cans, **60c each.** 5-gallon cans, **\$2.50 each.**

ELEAGNUS

(Oleaster)

PUNGENS VARIEGATA. 5 ft. A fine spreading shrub with large wavy margined foliage, smooth above, silky beneath and strongly margined with creamy white. Gallon cans, **75c each.**

MACULATA (Golden Leaf). Similar to above except that leaves are blotched with gold. Both varieties very desirable for planting near the ocean. Gallon cans, **85c each.**

ESCALLONIA

GLASNIVENENSIS (Apple Blossom Escallonia)—A beautiful shrub with dark pink flowers and glossy foliage. A very desirable form, blooming several times a year. Gallon cans, **65c each.**

INGRAHAMI. 6 ft. A graceful shrub, flowers rose-pink in short racemes; foliage lustrous green. Gallon cans, **60c each.**

LANGLEYENSIS. 6 ft. Of graceful habit. The light pink flowers are produced in dense clusters. Gallon cans, **60c each.** 5-gallon cans, **\$1.75 each.**

ROSEA. 10 to 12 ft. Of free flowering habit. Foliage round, rough and serrated; flowers pink. Gallon cans, **60c each.** 5-gallon cans, **\$1.75 each.**

RUBRA (Macrantha). 5 ft. Of compact growth. Foliage large, dark green, shining above; flowers deep red; free bloomer. Gallon cans, **60c each.** Balled, 1½ to 2 feet, **\$1.75 each.** Balled, 2 to 3 feet, **\$2.00 each.**

EUGENIA

MYRTIFOLIA. 6 to 10 ft. Excellent shrub of tall, compact growth which can be trimmed to any desired height. Foliage glossy green with a ruddy hue on the new growth; cream-colored flowers followed by edible violet-colored berries. Will not endure severe frosts. Gallon cans, **60c each.** 5-gallon size trimmed for pyramid, **\$3.00 each.**

SMITHII (Lilli-pilli Tree). 15 ft. The growth and foliage somewhat resemble the variety Hookeri, and the plant is covered during the winter with lavender berries. It makes a large tree, small shrub, or excellent tub specimen. Gallon cans, **\$1.00 each.**

EUCALYPTUS

FICIFOLIA (Scarlet-Flowering Gum). 25 ft. A beautiful sort. Flowers large and normally crimson or scarlet, but vary considerably. Thick leathery leaves; hardy only in warmer sections. Gallons, **80c each.**

POLYANTHEMOS—An ornamental variety of moderate growth with round foliage of an attractive silver-blue color. Resistant to drought. Gallon cans, **60c each.**

SIDEROXYLON ROSEA—An ornamental tree of moderate growth with long, narrow foliage. The deep pink flowers are borne in profusion in the winter. Gallon cans, **65c each.**

ERICA (Heather)

Compact, evergreen shrubs, with feathery foliage producing small-wax-like flowers in great profusion from late in the fall until early spring.

MEDITERRANEAN. 4 ft. A densely-branched globular shrub with dark green foliage, producing purplish pink flowers in winter and early spring. Balled, 1 to 1½ feet, **\$1.00 each.** Balled, 1½ to 2 feet, **\$1.25 each.**

MEDITERRANEAN HYBRIDA—Dwarf, compact growth, not over 12 or 15 inches in height. Purplish pink flowers. Balled, 1 to 1½ feet, **\$1.25 each.**

MELANTHERA. 5 ft. A fine winter bloomer, November till March. Flowers rosy pink with black tipped stamens. Balled, 1 to 1½ feet, **\$1.50 each.** Balled, 1½ to 2 feet, **\$1.75 each.**

MELANTHERA ROSEA. 5 ft. Flowers are a deeper shade of rosy pink than the preceding variety. Balled, 1 to 1½ feet, **\$1.50 each.** Balled, 1½ to 2 feet, **\$1.75 each.**

MELANTHERA RUBRA. 4 ft. Similar to E. Melanthera except in color which is reddish purple; very fine. Balled, 12 to 15 inches, **\$1.00 each**; 18 inches, **\$1.25 each**; 1½ to 2 feet, **\$1.75 each.**



Erica Melanthera



Fremontia Mexicana

EUONYMUS

JAPONICUS ALBO-MARGINATA (White Euonymus). 6 ft. The leaves have a narrow margin of white, and the stems are more stiff and erect than the type. Gallon cans, **75c each**.

JAPONICUS AUREO-MARGINATUS (Golden Euonymus). 4 ft. Of dwarf compact growth. Leaves deep yellow toward the edges, blotched in the center with light and dark green. Does not sport back to the green type. Gallon cans, **60c each**. Balled, 1 to 1½ feet, **\$1.25 each**. 1½ to 2 feet, **\$1.50 each**.

JAPONICUS MICROPHYLLUS (Small Leaved Euonymus). 2 ft. Dwarf and compact with small dark green, serrated foliage. Fine for low hedges and borders. Gallon cans, **50c each**.

FEIJOA

SELLOWIANA (Pineapple Guava)—Not a new plant but a good one for ornamental purposes as well as for the deep green edible fruit. The glossy dark green leaves make it a good specimen plant. The flowers have white petals and red stamens. Gallon cans, **75c each**.

FREMONTIA

CALIFORNICA. 10 ft. A splendid native flowering shrub with small fig-like, gray-green leaves. Produces deep satiny yellow flowers 2 to 3 inches across. Prefers a dry, sunny location. Gallon cans, **\$1.00 each**.

MEXICANA. 10 ft. Orange-yellow streaked with crimson in the bud. Gallon cans, **\$1.00 each**.

GREVILLEA

BANKSII. 6 to 8 ft. A handsome large shrub with dense fern-like foliage and large clusters of comb-like crimson flowers. Gallon cans, **75c each**.

ROSMARINIFOLIA. 3 to 4 ft. A compact, low-growing, grayish-green shrub with racemes of pink and white flowers appearing throughout the year. Fine in window-boxes, rockeries, or on gentle slopes. Gallon cans, **75c each**.

THELEMANNIANA. 5 ft. A lovely dwarf Australian shrub with fine needle-like foliage and distinct bright red flowers; very beautiful when in bloom and requires very little water. Gallon cans, **60c each**.

FUCHSIA

These plants require a good rich soil and partial shade. They can be grown as a bush or trained along a fence or side of a house; very profuse bloomers.

4-inch pots; protect from frost until established.

75c each; 3 for \$2.00.

COUNTESS OF ABERDEEN—A fine variety with small, pale pink corolla, with white tube and sepals. One of the best.

MACROSTEMMA ALBA—A very tall, upright growing variety with small leaves. The sepals and corolla are light pink or almost white. A new and very rare variety.

VENUS VICTRIX—A small, distinct type. The sepals are white, tinted pink, and the corolla is a deep violet-blue; single.

35c each; 3 for \$1.00.

ARBORESCENS—A tall-growing species with erect panicles of small, rosy lilac flowers. A distinct type from other fuchsias.

BRUTUS—Rich dark purple corolla with carmine base and rich scarlet sepals. Bushy.

CONICA—One of the outstanding varieties. Rather small flowers, the sepals of which are scarlet, and the corolla purple with scarlet. Tall growing.

FASCINATION—Sepals carmine, corolla light pink flushed rose, double.

GRACILIS (Baby Fuchsia)—Very graceful small leaves and tiny red flowers.

MICROPHYLLA—A shrubby species that will bloom all year. Small, light green foliage, and small carmine-pink flowers.

REQUA—Sepals blush white, and the corolla rose-scarlet. A medium sized single variety.

SPECIOSA—Pale pink sepals, and dark salmon-pink corolla; single.

STORM KING—Sepals dark carmine, corolla white, shaded rose, double.

40c each; 3 for \$1.10.

AURORA BOREALIS—Bright orange-red corolla with narrow, pointed, soft pink sepals tipped green.

DAINTY LADY—Corolla semi-double, white veined carmine at base, tube and sepals deep red. Bushy.

DOLLAR PRINCESS—Short, double corolla, purple shaded with rose at the base. The sepals are scarlet.

FULGENS—Sepals and tube are orange-pink, tipped green; corolla orange-vermilion. Large, hairy, light green leaves.

MARINKA—Crimson-scarlet sepals, and single, rosy scarlet corolla. A semi-trailing variety, and outstanding.

PHENOMENAL—Sepals scarlet-carmine, corolla 2½ inches in diameter, rich dark blue, double.

PRINCE CHARMING—Sepals scarlet-carmine, corolla rose-red, single, of dwarf habit, suitable for window boxes.

ROLLA—Sepals white suffused pale pink, corolla white, double. A very distinct variety.

ROYAL PURPLE—The sepals and tube are scarlet, while the corolla is a very intense purple. A double variety.

TORPILLEUR—Sepals intense red, corolla flesh, shaded rose, double.

50c each; 3 for \$1.35.

AURORA SUPERBA—Corolla deep orange-peach, and the sepals and tube light apricot-orange. Single flowers; one of the best.

BEAUTY OF EXETER—Sepals salmon-rose; corolla semi-double and a fine shade of salmon-rose with a touch of lavender. A very desirable variety.

BLUE GOWN—Deep blue corolla, light carmine tube and sepals.

CASCADE—The sepals are coral-rose and very long; the corolla is deep bright rose, and very large. An excellent hanging basket type.

CORALLE (Triphylla)—The foliage is blue-green, and the flowers are rich salmon-orange produced in large clusters.

GARTENMEISTER BONSTEDT (Triphylla)—Flowers glowing brick red, shaded orange. Dark bronze foliage.

GRENADIER—The long sepals are scarlet and pointed, and the large double corolla is violet-purple with red.

MRS. RUNDLE—Long, single corolla of vivid orange, with flesh colored sepals. A very good new variety.

PINK PEARL—Sepals are light pink, and the corolla is a fine pink and double. An upright variety that is very fine.

PRINCE OF ORANGE—Sepals deep salmon-pink; corolla deep orange-vermilion with soft carmine tube. A single variety.

ROSE OF DENMARK—Sepals are reflexed and a pale blush. The corolla is pale rose, shading to deep rose at edges; single.

SUNRAY—This variety has single flowers with a rosy purple corolla, and salmon sepals. The foliage is variegated silvery-white and green.

GENISTA

(Broom)

These very ornamental and free-flowering shrubs will succeed in almost any soil or situation. The large Pea-shaped flowers appear profusely in the spring and summer.

HISPANICA (Spanish Broom). 10 ft. An upright-growing shrub. Flowers yellow, produced very freely in the spring and summer, on long, pendulous round leafless branches. Gallon cans, 50c each.

MONOSPERMA (Bridal Vell Broom). 10 ft. A graceful shrub with silvery branches and sparse foliage; growth very drooping. White flowers borne in long drooping racemes. Gallon cans, 75c each.

RACEMOSA (Sweet Broom). 6 ft. A very graceful variety of Broom producing its bright, golden yellow Pea-shaped flowers in the greatest profusion for a long period. Especially desirable for window boxes. Gallon cans, 60c each.

SCOPARIUS (Scotch Broom). 10 ft. A very handsome shrub, with drooping branches covered in the spring with bright yellow Pea-shaped flowers; very effective for grouping. Gallon cans, 50c each.

SCOPARIUS ANDREANA. 10 ft. A beautiful variety of Scotch Broom. The flowers are golden yellow with deep mahogany-red wings. Gallon cans, 85c each.

NEW TYPE BROOMS

In New Color Combinations

CALIFORNIA. 4 ft. Standards rosy-white, rose on reverse, wings glowing rose, keel yellow. Medium height, spreading. \$1.00 each.

GEOFFREY SKIPWITH—Crimson-scarlet with a glow of gold that later turns to pink; this graceful arching variety has proven to be one of the best of the hybrid brooms. Highly recommended. \$1.00 each.

LORD LAMBOURNE. 4 ft. Magnificent large flowers of scarlet, primrose and rose-pink. \$1.00 each.

STANFORD. A very beautiful plant of moderate growth bearing a great profusion of showy red flowers. \$1.00 each.



Fuchsia

GINKGO

BILOBA (Maidenhair Tree). 50 ft. An erect tree of Chinese origin and grown as a specimen. The queer leaves are like spatulas; light green and resistant to disease and smoke. 4 to 6 feet, \$1.50 each.

HAKEA

LAURINA (Sea Urchin). 15 ft. Large, somewhat erect shrub that will stand the adverse conditions to be found on the coast. The crimson and gold flowers of this variety are outstanding. The plant is very resistant to drought. Gallon cans, 75c each.

SALIGNA. 8 ft. A dense shrub with light green, willow-like leaves, and small white flowers. Makes a fine large hedge. Does very well in light soils. Gallon cans, 60c each.

SUAVEOLENS. 10 ft. Large erect shrub with light green prickly leaves suggesting a pine. Makes a good hedge and is drought resistant. Has fluffy white flowers in fall or winter. Gallon cans, 60c each.

HELIANTHEMUM

LASIANTHUM (Portuguese Sun-Rose)—Canary-yellow flowers with a purple blotch at the base, and gray-green foliage make this an outstanding shrub for a dry place in the garden. Grows about 2 feet high and has a 4 foot spread. Gallon cans, 75c each.

OCYMOIDES (Spanish Sun-Rose). 3 ft. Similar to the above, but not as large. The bright yellow flowers have a maroon spot on the base of each petal. Gallon cans, 75c each.

HELIOTROPE

A half-hardy plant, growing 4 to 8 feet high; small flowers borne in graceful clusters and very fragrant; forms a large plant and requires a sunny situation; can also be grown against a wall and made to assume the character of a climber. Protect from frost until established.

LIGHT BLUE—4-inch pots. Each, 35c.

BLUE—Medium dark blue. 4-inch pots. Each, 35c.

DARK BLUE (From cuttings)—Each, 40c.

HOLLY

TRUE ENGLISH. 20 ft. A small tree with glossy, dark green thorny leaves. It is covered with bright red berries during the winter months. Grafted stock. Balled, 2 feet, with berries, \$5.00 each. Balled, 2½ to 3 feet, with berries, \$6.50 each. Balled, 3½ to 4 feet, with berries, \$7.50 each.

SILVER VARIEGATED. 15 ft. Similar to English Holly except that the foliage is beautifully marbled with creamy white. Balled, 2 feet, with berries, \$5.00 each. Balled, 2½ to 3 feet, with berries, \$6.50 each. Balled, 3½ to 4 feet, with berries, \$7.50 each.

HYMENOSPORUM

FLAVUM. 25 ft. An open-headed tree or large shrub with pale green foliage. It has soft, light yellow, honey-scented flowers. It is used as an accent plant or at the corner of buildings. A very fine subject to have. Gallon cans, 85c each.

HYPERICUM

CALYCINUM. About 1 ft. A low growing shrub which is useful for ground cover. Flowers similar to *H. Moserianum*. 3-inch pots, 30c each, \$3.00 per doz.

MOSERIANUM. 3 ft. A pretty low shrub with light green foliage spreading 2 to 3 feet across with large golden yellow flowers which have numerous long stamens tipped with reddish anthers. In bloom all summer and thrives in sun or part shade. Gallon cans, 50c each.

ITEA

ILICIFOLIA—This handsome shrub has holly-like foliage and grows about 5 feet high, spreading out gracefully. Very good for foundation plantings or where a medium height shrub is needed. The glossy, deep green foliage is clean and very attractive. The flowers are in spikes and are quite fragrant. Gallon cans, 85c each.

LAUREL

(Prunus)

ENGLISH. 5 to 8 ft. A fine evergreen, with broad, shining leaves, producing large panicles of creamy white flowers followed by purple berries. Gallon cans, 60c each.

PORTUGAL—Very stately shrubs with dark green foliage and white flowers. Makes a fine upright specimen or a very good hedge. Gallon cans, 75c each.

LAVANDULA

(Sweet Lavender)

DENTATA (French Lavender) — Foliage soft gray, pinnately toothed; flowers deep purple. Gallon cans, **60c each**.

VERA. 3 ft. An old-fashioned favorite with soft gray foliage and fragrant lavender flowers on long stems. Gallon cans, **50c each**.

LAURESTINUS

(Viburnum)

TINUS. 6 ft. Shrub with wavy margined, pointed leaves. Flowers in broad heads, pinkish in bud, white when fully opened. Plant is covered with flowers during winter and spring. Makes a good hedge. Gallon cans, **50c each**. Balled, 1½ to 2 feet, **\$1.50 each**. Balled, 2 to 2½ feet, **\$1.75 each**.

TINUS VARIEGATUM—This variety is characterized by the light green foliage and a white edge. In all other respects it is like the one above. Makes a fine natural hedge. Gallon cans, **60c each**.

LEONOTIS

(Lion's Tail)

LEONURUS. 6 ft. A medium-sized shrub with orange-colored flowers which are hairy with a plush-like surface 2 inches long and are borne in whorls around the branches during summer and fall. The plants are much improved by cutting back every year or so. Gallon cans, **50c each**.

LEPTOSPERMUM

(Tea Shrub)

CHAPMANNI—A medium sized shrub, densely erect in habit and bearing pink, star-shaped blossoms in late winter and spring. Makes a fine clipped hedge and does well in light shade. Gallon cans, **75c each**.

LAEVIGATUM. 6 to 10 ft. A tall evergreen drooping shrub with grayish-green foliage producing great numbers of small white flowers. It withstands drought and is especially adapted for windy places. 4-inch pots, **35c each**; **\$3.00 per 10**. Gallon cans, **50c each**.

NICHOLLSII—A medium height shrub of erect growth with bright carmine flowers over a long period of the year. The foliage is lightly touched or tinted purple. Fine accent plant. Likes a light soil. Gallon cans, **60c each**.

LEUCOTHOE

CATESBAEI. 6 ft. Slender, spreading, arching branches. A very handsome shrub with its large lustrous dark green leaves and attractive white flower racemes. Balled, 12 to 15 inches, **\$1.75 each**. Balled, 15 to 18 inches, **\$2.50 each**.

LOROPETALUM

CHINENSE—A fine shrub growing to 8 or 10 feet high with round, dark green leaves and white flowers in clusters. A plant that is not often seen in gardens but well worth the space. Gallon cans, **75c each**.

MACKAYA

BELLA. 4 ft. A fine shrub for shady places, having clean attractive, rich green foliage, and lavender trumpet shaped flowers. Gallon cans, **75c each**.

MAGNOLIA

GRANDIFLORA. 30 ft. A grand tree, with large, broad, thick leaves which are a brilliant green on the upper surface and rusty underneath; the flowers are pure waxy white, of immense size and very fragrant. Gallon cans, **75c each**. Balled, 4 to 5 feet, **\$4.00 each**; 5 to 6 feet, **\$5.00**; 6 to 7 feet, **\$6.00 each**.

MELALEUCA

NESOPHILA. 6 ft. A fast growing shrub of erect habit with medium-sized lance-shaped leaves. The lavender bottlebrush-like flowers are borne at the end of the branches. Thrives equally well in dry or wet soil. Gallon cans, **50c each**.

MYRTLE

(Myrtus)

COMMUNIS. 6 ft. An evergreen shrub with aromatic foliage, producing small fragrant white flowers throughout the summer. Gallon cans, **50c each**.

COMMUNIS MICROPHYLLA. 4 ft. Foliage exceptionally small and closely set; of spreading habit. Gallon cans, **50c each**.

NANDINA

DOMESTICA. 6 ft. A very handsome shrub of moderate size and rather slow growth. The leaves are much divided, with rather large leaflets, light green in summer, turning to a vivid red during the fall and winter. The white flowers are small in good-sized, erect panicles followed by bright crimson berries. Gallon cans, **75c each**. Balled, 1½ to 2 feet, **\$1.50 each**.

NEW ZEALAND FLAX

(Phormium Tenax)

VARIEGATUM. 4 to 6 ft. Has large sword-like leaves which are conspicuously striped lengthwise with creamy white. It is highly decorative as a porch plant or as a specimen on the lawn. Light clumps, 2 feet, **75c each**. 2 to 3 feet, **\$1.00 each**. Medium clumps, 3 feet, **\$1.50 each**. Heavy clumps, 3 feet, **\$2.00 each**.

OLEANDER

(Nerium)

Best suited for the warmer sections, where, if given plenty of water, it thrives to perfection. The flowers are produced very freely for a long period. One of the showiest of everblooming evergreens. All parts of the plant are poisonous if eaten.

SINGLE CHERRY RED—Gallon cans, **60c each**.

DOUBLE PINK—Gallon cans, **60c each**.

DOUBLE SALMON PINK—Gallon cans, **60c each**.

SEMI-DOUBLE WHITE—Gallon cans, **60c each**.

OSMANTHUS

FRAGRANS (Sweet Olive). 5 ft. Large, handsome dark green foliage and small, white, extremely fragrant flowers in clusters. Gallon cans, **75c each**.

OSTEOMELES

ANTHYLLIDIFOLIA. 6 ft. Slender, rather rigid stems, and light green foliage of exquisite daintiness, are characteristic of this shrub. Small apple blossom flowers in the spring followed by blue berries, make it outstanding, especially when it is used as a hedge. Gallon cans, **85c each**.

PAMPAS GRASS

(Cortaderia)

ARGENTEA. 10 ft. The most widely cultivated variety with large white feathery plumes. Gallon cans, **60c each**.

MAD. RENDLATERI. 10 ft. Plumes very light lavender, almost pink. Gallon cans, **65c each**.

PEPPER TREE

(Schinus Molle)

A popular shade and ornamental tree, with fine, feathery foliage, producing clusters of reddish berries in the fall; fine for street planting. Gallon cans, **75c each**.

PHOTINIA

ARBUTIFOLIA (Christmas or Toyon Berry). 10 ft. A native evergreen shrub loaded with brilliant red berries in the winter. Gallon cans, **65c each**.

SERRULATA NOVA. 10 ft. A handsome evergreen tree or shrub, the foliage of which becomes very conspicuous in the autumn, when it assumes a reddish hue; flowers white, in large corymbs, produced in early spring. Gallon cans, **75c each**.

PIMELEA

DECUSSATA. 3 ft. A much branched little shrub with small leaves, closely surrounding the branches. Flowers beautiful rosy pink, crowded in heads at the end of the shoots. Gallon cans, **75c each**.

POLYGALA

DALMAISIANA. 4 ft. A profuse flowering shrub with purple Pea-shaped flowers and pretty, light green foliage. Gallon cans, **60c each**.

PRIVET

(Ligustrum)

OVALIFOLIUM (California Privet). 3 to 8 ft. A valuable evergreen hedge plant. A strong growing shrub with bright medium sized leaves. Can be kept trimmed at any height. Bare roots, 1½ to 2 feet, extra well branched, **10c each**; **85c per 10**; **\$6.00 per 100**. Bare roots, 2 to 3 feet, extra well branched, **15c each**; **\$1.00 per 10**; **\$7.50 per 100**.

OVALIFOLIUM AUREA MARGINATA (Golden Privet). 3 to 8 ft. Golden-margined variety. Very attractive for giving color to shrubbery groups. Gallon cans, **50c each**. Balled, 2 to 3 feet, **\$1.50 each**.

PITTOSPORUM

Very ornamental bright foliage plants valuable for their great diversity of use.

HETEROPHYLLUM—Spreading shrub for bank planting or rockery. Has very light, glossy green foliage with small yellow highly fragrant flowers; followed by black berries. Slow growing and quite resistant to drought. **60c each.**

CRASSIFOLIUM—Large shrub of upright growth with gray-green leaves. It is entirely unaffected by salt winds, and does well in a sandy soil. Has small chocolate-colored flowers. **60c each.**

NIGRICANS, 8 to 10 ft. A very handsome upright growing shrub with silvery light green leaves and black stems; a good hedge plant and very ornamental as an individual. Gallon cans, **50c each**; prices of larger sizes on application.

PHILLYRAEOIDES—A small tree or large shrub with weeping branches and leaves like a willow. The flowers are small and very fragrant. Does well in a dry place. **75c each.**

RHOMBIFOLIUM, 15 ft. An erect and full shrub or small tree with dark green, serrated, glossy leaves. The small white flowers are in clusters, followed by light yellow berries. A fine ornamental tree that should be used more. **60c each.**

TOBIRA (Japanese Pittosporum). 5 ft. One of the finest of the medium sized evergreen shrubs. It is a wide, spreading, dense, round headed shrub with deep, glossy, green foliage. Flowers in terminal clusters, pure white and fragrant. Gallon cans, **60c each.** Balled, 1 to 1½ feet, **\$1.50 each.** Balled, 1½ to 2 feet, **\$2.00 each.** Balled, 2 to 3 feet, **\$2.50 each.**

UNDULATUM, 10 ft. A shrub or tree with deep green, glossy, wavy margined leaves. Flowers yellowish-white, intensely fragrant, particularly at night. Gallon cans, **60c each.**

PROSTANTHERA

ROTUNDIFOLIA—One of the new introductions from Australia. A clean upright shrub reaching 7 feet in height, with round, opposite, dark green leaves. The flowers are two-lipped and a rosy lavender. Very fine. **Each, 85c.**

PLEROMA

MACRANTHUM, 10 ft. (Tibouchina). A rare shrub with handsome flowers which are reddish purple to violet, often 5 inches across. The leaves are ovate and downy. Free bloomer and half hardy. Gallon cans, **85c each.** (Protect from frost until established.)



Pleroma Macranthum

PYRACANTHA

(Burning Bush)

CRENULATA (Chinese Evergreen Hawthorn). 8 ft. Of compact habit, branches slender, leaves long, narrow and glossy. New growth very ruddy. Will endure considerable shade. Produces masses of bright scarlet berries from August to December. Gallon cans, **60c each.**

GIBBSII, 10 ft. A strong vigorous plant of compact habit literally covering itself with orange berries. We consider this to be the finest variety. Gallon can, **\$1.00**; 5-gallon can, **\$2.00.**

LALANDI, 8 ft. A thick, thorny evergreen shrub. Leaves are small and glossy green. Flowers are white and are produced in clusters in May, followed during the fall and winter months with a profusion of orange berries. Gallon cans, **60c each.**

ROSEDALE—This variety has all of the good points attributed to other Pyracanthas. The foliage is dark green and clean, and the rosy-red berries really cover the plant during the winter months. Gallon cans, **\$1.00 each.**

YUNNANENSIS, 10 ft. A vigorous grower of spreading habit with bright coral-red berries. Gallon cans, **60c each.**

RHAMNUS

ALATERNUS (Italian Buckthorn)—A large shrub with glossy foliage and red berries that persist. Good as a filler or accent plant in the shrub border. Gallon cans, **75c each.**

ALATERNUS VARIEGATA—Similar to the above with the exception of the foliage, which has a white margin. Very good as a specimen or accent plant. Gallon cans, **\$1.00 each.**

RHODODENDRON

Rhododendrons should have partial shade and an acid soil and for best results should receive liberal applications of peat or leaf mold. Mulch the top soil to conserve moisture and do not cultivate close to the plants as roots are very near surface.

HIMALAYAN—A very sweet scented shrub with large, pure white flowers. Habit of growth tall and somewhat straggly. Balled, 2 feet, **\$2.50 each.** Balled, 2½ to 3 feet, **\$3.00 each.**

LADY ALICE FITZWILLIAM—A Himalayan hybrid with large, pure white flowers which are not fragrant. More compact in growth than the preceding variety. Balled, 15 to 18 inches, **\$2.00.** Balled, 1½ to 2 feet, **\$2.50 each.**

Please write for prices of named varieties of Rhododendrons, stating your preference as to color.

ROMNEYA

(Cal. Tree Poppy)

COULTERI, 5 to 6 ft. Also known as Matilija Poppy. A beautiful native shrub. The flowers are pure white with yellow stamens, 5 to 6 inches across, generally 10 to 15 flowers on a shoot. Gallon cans, **\$1.00 each.**

RUELLIA

MACRANTHA, 4-5 ft. A low spreading shrub, large foliaged, and having large funnel-shaped lavender flowers. A choice plant. Gallon, **60c.**

SALVIA

OFFICINALIS TRICOLOR—A low growing shrub with spreading habit. The foliage is olive green with white irregular margins and tinged purple. Flowers are a light blue. A very fine accent plant. **Each, 35c and 60c.**

STREPTOSOLEN

JAMESONI, 4-6 ft. A small, graceful shrub blooming with small trumpet-shaped orange flowers over a long period of the year. Full sun, good drainage and moisture are necessary to its culture. A very fine subject for the garden. 4-inch pot, **50c.**

TERNSTROEMIA

JAPONICA, 8-10 ft. A large shrub with round leathery leaves which are very lustrous and tinged with purple. A fine shrub which requires little attention. Gallon cans, **90c each.**

TEUCRIUM

FRUTICANS (Germander)—A low spreading shrub adapted to dry situations. Has light gray foliage and blue flowers during the spring and summer. Gallon cans, **75c each.**

THEVETIA

NEREIFOLIA (Yellow Oleander)—A medium sized shrub with light green foliage and soft, clear yellow, fragrant flowers 3 inches long and bell-shaped. Unusual and very good. Should be cut back in the winter. Gallon cans, **85c each.**

VERONICA

PIMELIOIDES, 2 ft. A dwarf variety with small, bright-green leaves; quite dense and compact. Useful for growing in tubs and window boxes. Gallon cans, **60c each.**

Deciduous Trees and Flowering Shrubs

Transportation charges on Deciduous Trees and Flowering Shrubs are to be paid by customer. Please give name of express and freight offices when they differ from postoffice.

DWARF FLOWERING ALMOND

A beautiful flowering shrub growing 6 feet high, with slender branches bearing very double flowers in utmost profusion, very early in the spring.

DOUBLE PINK—Bare roots, 3 to 4 feet, \$1.00 each.

DOUBLE WHITE—Bare roots, 3 to 4 feet, \$1.00 each.

AZALEA

ALTA CLARENSE. 4 ft. A showy shrub of medium size, preferring a partially shaded location. Flowers are bright orange-yellow and the foliage is large and brilliantly colored in the fall. Balled, 15 inches, \$2.00 each.

MOLLIS. 4 ft. In early spring just before the leaves unfold, the flowers appear in great profusion in shades of orange, apricot or yellow. Mixed colors only. Balled, 12 to 15 inches, \$2.00 each.

BERBERIS

(Barberry)

THUNBERGII ATROPURPUREA (Red Leaved Japanese Barberry). 5 ft. A new low growing variety which is semi-deciduous. Foliage at all times is purplish-red in color. Bears brilliant scarlet berries during the winter months. Bare roots, 2 feet, \$1.00 each.

For other varieties of Berberis see page 63.

BIRCH

EUROPEAN, 30 ft. Very graceful tree, with silvery bark and slender branches; fine for avenue planting. Bare roots 6 to 8 feet, \$1.25 each.

CUT-LEAF WEEPING. 20 ft. Very attractive, with tall, slender, graceful, drooping branches, delicately cut foliage and silvery bark; very handsome as a single specimen on a lawn or when planted in groups of three. Bare roots, 8 feet, \$2.00 each.

FLOWERING CHERRY

A small growing tree producing semi-double flowers in large clusters in early spring.

KWANZAN. 15 ft. Double, deep pink, very large. Bare roots, 5 to 6 feet, well branched, \$1.75 each.

KOFUGEN. 15 ft. Double dark pink; later than Kwanzan. Bare roots, 5 to 6 feet, well branched, \$1.75 each.

MOUNT FUJI. 15 ft. Double white. Bare roots, 5 to 6 feet, well branched, \$1.75 each.

NADEN. 15 ft. Double, tender pink. Bare roots, 5 to 6 feet, well branched, \$1.75 each.

SINGLE JAPANESE WEEPING—The branches are very slender and gracefully drooping. The single flowers are rose-pink, borne all along the branches early in spring before the leaves appear. Bare roots, 5 to 6 foot stems, \$3.00 each. Packed for shipment, \$3.50.

DOUBLE JAPANESE WEEPING—Double pink. Bare roots, 5 to 6 foot stems, \$3.00 each. Packed for shipment, \$3.50.

FLOWERING CRAB APPLE

(Pyrus)

BETCHELL'S. 8 to 12 ft. A low-growing tree, well adapted for the lawn or for planting with low-growing shrubs; covered in early spring with large, beautiful double, fragrant flowers of a delicate pink color. Bare roots, 5 to 6 feet, \$1.35 each.

FLORIBUNDA (Japanese Crab)—Flowers single, carmine in bud, pale flesh when open. Vigorous grower and free bloomer, 5 to 6 feet, \$1.35 each.

NIEDZWETZKYANA (Redvein Crab)—A Siberian species remarkable for the red color of flowers, branches, leaves and fruit. A free and early bloomer. Bare roots, 5 to 6 feet, \$1.35 each.



Flowering Cherry

CORCHORUS or KERRIA

JAPONICA—A graceful shrub growing 6 feet high; producing double yellow flowers an inch across, which appear in April. Bare roots, 1½ to 2 feet, well branched. 75c each.

CORNUS

(Dogwood)

FLORIDA (Flowering Dogwood). 10 ft. A large shrub or small tree growing 10 to 15 feet high with handsome foliage and great numbers of large, showy, single white flowers. Thrives in sun or partial shade. Bare roots, 2 to 3 feet, \$1.50 each.

FLORIDA RUBRA. 10 ft. The pink large-flowered Dogwood. A rare and beautiful variety. Bare roots, 3 to 4 feet, \$4.00 each.

CRANBERRY BUSH

(Viburnum Opulus)

This shrub grows about 8 feet tall and belongs to the same family as the Snowball. Blooms in late spring, followed by bright scarlet berries at the end of July, which remain on the branches until the following spring. The berries are not eaten by birds. Foliage colors highly in the fall. Bare roots, 3 to 4 feet, 85c each.

CRAPE MYRTLE

(Lagerstroemia)

A very strong-growing shrub, 10 to 15 feet high. The leaves are bright green. The flowers with their pretty crimped petals are produced in very large panicles at the ends of the branches during the entire summer.

PINK—Pastel pink. Gallon cans, 2 feet, 75c each.

RED—Rich watermelon-red. Gallon cans, 2 feet, 75c each.

CRATAEGUS—See under Hawthorn.

CURRENT, FLOWERING

A large native shrub of upright habit, growing about 6 feet high with many red-barked twigs. Blossoms deep pink in long drooping racemes in early spring, followed by large glaucous-blue berries. Gallon cans, 75c each.

DEUTZIA

Graceful shrubs, with slender branches of effective foliage, blooming in great profusion. The flowers are produced in long racemes, requiring severe pruning immediately after flowering.

CRENATA ROSEA PLENA—A very desirable shrub growing 6 feet high. Flowers double white tinged rose outside. Bare roots, 3 feet, 80c each.

LEMOINE—A vigorous growing variety, attaining a height of 6 feet. Flowers single pure white; very free flowering. Bare roots, 2 to 3 feet, 75c each.

ELM

CHINESE (*Ulmus pumila*). 40-60 ft. A graceful, exceptionally rugged tree of rapid growth that will stand any extreme of soil, heat or frost. 6 to 8 feet, \$1.75 each.

ERYTHRINA

(Coral Tree)

CRISTA-GALLI. 10 ft. Partly shrubby, flowering shoots dying back to the hard wood. The brilliant crimson flowers are very large individually and borne in elongated panicles from 1 to 2 feet long during the summer. Gallon cans, 90c each.

EXOCHORDA GRANDIFLORA

(Pearl Bush)

Large shrub blooming early in the spring when the entire plant is covered with purest white blossoms; 8 ft. The finest white flowering shrub of early spring. Bare roots, 2 to 3 feet, 75c each.

FORSYTHIA

(Golden Bell)

SUSPENSIVA—A Japanese shrub growing approximately 8 ft., with slender, drooping branches. The golden yellow flowers appear in small clusters along the branches in early spring. Bare roots, 3 to 4 feet, 75c each.

INTERMEDIA SPECTABILIS. 8 ft. One of the best varieties. Rich golden yellow flowers. Bare roots, 3 to 4 feet, 85c each.

HALESIA

(Snowdrop Tree)

TETRAPTERA. 10 ft. One of the most desirable tall shrubs with pretty bell-shaped snowdrop-like white flowers in May. Bare roots, 3 to 4 feet, \$1.00 each.

HAWTHORN

(Crataegus)

These small trees are well adapted for lawns and for grouping. The small flowers come in clusters and are followed by red berries in the autumn; a good spreading tree with lustrous green leaves.

OXYCANTHA SPLENDENS (Paul's Scarlet Hawthorn)—A small, erect tree of rapid growth. Flowers are scarlet and double, followed by red berries. An outstanding tree for small homes. 5 to 6 feet, \$1.75 each.

DOUBLE PINK. Bare roots, 6 to 8 feet, \$2.00 each.

CORDATA (Washington Thorn)—One of our handsomest small trees. Leaves are triangular, lobed and deep glossy green until late fall, when they assume beautiful red and yellow tints. Flowers are white, followed by large clusters of small, glossy red berries in the late fall. Bare roots, 5 to 6 feet, \$2.00 each.

HIBISCUS

SYRIACUS (Rose of Sharon)—This variety is hardy anywhere and is one of the showiest of summer blooming shrubs. The foliage is dark green, and the flowers are about 2 inches or more in diameter.

ANEMONAEFLORUS—Double rose.

BANNER—Double white with red center.

LUCY—Double red.

PULCHERRIMA—Double flesh, crimson center.

PURPUREA SEMI-PLENA—Semi-double purple.

Gallon cans, 75c each.

HYDRANGEA

HORTENSIS OTAKSA. 6 ft. Very ornamental, large-leaved shrubs, with enormous corymbs of beautiful pink flowers. They succeed best in a partially shaded location; very fine for a lawn or for planting in groups. Balled, 1½ to 2 feet, \$1.25 each. Balled, 2 to 3 feet, \$1.50 each.

KERRIA JAPONICA—See under Corchorus.

KOLKOWITZIA

(Beauty Bush)

AMABILIS—An exceedingly handsome, new ornamental shrub resembling the Weigelia. It attains a height of 6 feet at maturity and has long arching branches covered with pale pink bell-shaped flowers in June. Bare roots, 2 to 3 feet, \$1.00 each.

LEMON VERBENA

This well known shrub has long, narrow, pointed leaves, which are very fragrant when bruised. Grows 8 to 12 feet high. Gallon cans, 75c each.

LILACS

(Syringa)

Beautiful spring flowering shrubs averaging 10 feet in height. Flowers come in large drooping clusters and are very fragrant. Immediately after blooming they should be pruned, as the flowers are always on the old wood. Grafted varieties will usually bloom the first year.

BELLE DE NANCY—A well known and exceedingly fine rose-colored variety; double. Profuse bloomer and good color. 3 to 4 feet, \$1.85 each.

CHARLES JOLY—Numerous trusses of double, purplish-red flowers. A very desirable and popular variety. 3 to 4 feet, \$1.85 each.

LA TOUR D'AUVERGNE—Beautiful double purple flowers; vigorous growth and upright habit. 3 to 4 feet, \$1.85 each.

PRESIDENT GREVY—Double blue, shading to cobalt, edged with rose. Produces huge panicles of bloom. 3 to 4 feet, \$1.85 each.

SOUVENIR DE LUDWIG SPAETH—A single red variety that is old, but always in demand when seen. 3 to 4 feet, \$1.85 each.

VIVIAND-MOREL—This variety is another favorite of lilac growers. Fine double lilac colored flowers. 3 to 4 feet, \$1.85 each.

VULGARIS—The so-called Persian lilac that has remained popular despite the introduction of new varieties. The single purple flowers are very fragrant. 3 to 4 feet, \$1.65 each.

MOUNTAIN ASH

(Rowan Tree)

EUROPEAN—Flowers creamy white, foliage somewhat like the Pepper Tree, 25 ft.; covered from August to November with large clusters of red berries. Bare roots, 7 to 8 feet, branched, \$1.50 each.

PEACH, FLOWERING

An attractive spring flowering tree, 15 to 20 ft., blooming in April. The branches are covered with a mass of beautiful flowers long before leaves appear.

DOUBLE RED—Bare roots, 5 to 6 feet, \$1.00 each.

DOUBLE WHITE—Bare roots, 5 to 6 feet, \$1.00 each.

DOUBLE PINK—Bare roots, 5 to 6 feet, \$1.00 each.

PHILADELPHUS

(Mock Orange)

CORONARIUS. 8 ft. Rather tall growing shrub with white flowers of medium size and very fragrant. Bare roots, 2 to 3 feet, 75c each.

VIRGINAL. 6 ft. A fine variety with large flowers with round petals of the purest white. Usually semi-double. The blooms are in clusters of 5 to 7 and are sweetly scented. Bare roots, 2 to 3 feet, 75c each.



Spiraea Van Houttei

PLUM (Prunus)

MOSERI. 10 ft. A handsome ornamental Plum with purple tinted foliage and semi-double flowers of apple-blossom pink in the spring. Bare roots, 5 to 6 feet, \$1.15 each.

VESUVIUS (Purple Leaved Plum). 15 ft. The young branches are very dark purple; the leaves when young are lustrous crimson, changing to a dark purple, and retain this beautiful tint till they drop late in autumn. Very effective when grouped with other trees and shrubs. Bare roots, 5 to 6 feet, well branched, \$1.15 each.

TRILOBA. 10 ft. A bushy plant with three-lobed green leaves; flowers double rosy pink and very numerous, appearing before the leaves and followed by small red fruit. Bare roots, 4 to 5 feet, \$1.00 each.

POMEGRANATE, FLOWERING

DOUBLE RED. 8 ft. A rapid growing shrub with double, deep scarlet flowers. In bloom throughout the summer. Bare roots, 2 to 3 feet, \$1.50 each.

DWARF—Bright foliage and red fruits tend to make this one of the best of low growing ornamental hedges, or edgings. The fruit will stay on the plant over a long period. Gallon cans, 60c each.

POPLAR

LOMBARDY—A very erect, rapid growing tree with a tall spiry form and particularly striking and picturesque when grouped among other trees. Bare roots, 8 to 10 feet, \$1.25 each.

QUINCE

(Japanese Flowering)

A much branched shrub producing bright colored flowers along the stems before the leaves appear. Very striking; well adapted for single plants on the lawn or for borders of groups of trees.

SCARLET. 6 to 8 ft. Bare roots, grown from cuttings, 2 to 3 feet, \$1.25 each.

BLOOD RED. 6 to 8 ft. Bare roots, grown from cuttings, 1½ to 2 feet, \$1.25 each.

ROBINIA (Locust)

HISPIDA MACROPHYLLA (Rose Acacia)—One of the most striking of the spring blooming trees with large rose-colored, Pea-shaped flowers. Bare roots, standards 7-foot stems with good heads, \$3.00 each. Packed for shipment, \$3.50.

SNOWBALL

(Viburnum)

COMMON. 8 ft. A favorite shrub producing immense white ball-shaped flowers in great profusion in May and June. Bare roots, 3 to 4 feet, \$1.00 each.

PLICATUM (Japanese Snowball)—One of the choicest deciduous shrubs. Has dark green plicated foliage and perfect balls of pure white flowers which are borne in great profusion in May and June. Bare roots, 3 to 4 feet, \$1.50 each.

SORBARIA

AITCHISONII (Kashmir Spirea). 8 to 10 ft. This variety is the best of this group. Characterized by graceful, handsome foliage and very large panicles of white flowers. 4 to 5 feet, \$1.25.

SPIRAEA

ANTHONY WATERER. 4 ft. A valuable and distinct variety; color bright crimson; it is of dwarf, dense growth; in bloom the entire summer and fall. Bare roots, 2 to 3 feet, bushy, 90c each.

VAN HOUTTEI (Van Houttei's Bridal Wreath). 6 ft. A beautiful compact variety for planting on a lawn or in groups; early flowering and of very graceful habit; clusters of 20 to 30 white florets make up the raceme and are set close along the drooping branches. Bare roots, 2 to 3 feet, 75c each. 3 to 4 feet, 90c each.

PRUNIFOLIA (Double Bridal Wreath). 6 ft. This variety produces pure double white flowers along the entire length of the branches. Bare roots, 2 to 3 feet, 90c each.

SYCAMORE, EUROPEAN

Also known as the Oriental Plane. A handsome, spreading tree with dense, bright green Maple-like foliage. One of the best street trees. Bare roots, 10 feet, \$1.75 each.

TAMARIX

AFRICANA. 15 ft. A strong, slender, tall-growing, irregular shrub, with feathery foliage and small, delicate flowers, borne profusely on gracefully bending branches. These pink flowers are very attractive during May. Bare roots, 3 to 4 feet, 90c each.

PENTANDRA (Aestivalis). 15 ft. A distinct variety, with delicate, soft pink sprays of flowers in July and August. Bare roots, 3 to 4 feet, \$1.00 each.

VIBURNUM CARLESI

A rare shrub from Korea of dwarf, compact habit attaining a height of 4 feet. It bears large corymbs of delicate pale rose blossoms tinted white which have a delicious clove-scented fragrance. Balled, 1½ feet, \$1.50 each. 2 feet, \$2.50 each.

WEIGELIA

(Diervilla)

Ornamental free-flowering shrubs, producing trumpet-shaped flowers of many shades of color during June and July; valuable for planting with other shrubs or as single specimens on a lawn; should be well pruned after flowering in the summer.

EVA RATHKE. 5 ft. A remarkably free bloomer, flowering continuously throughout the summer and fall; rich ruby-carmine colored flowers. Bare roots, 2 to 3 feet, 90c each.

ROSEA. 6 ft. An elegant shrub, producing trumpet-shaped flowers of a fine rose color. Bare roots, 2 to 3 feet, 90c each.

WILLOW

(Salix)

BABYLONICA (Weeping Willow)—A rapid growing tree with drooping branches, thrives best in a wet place. 5 to 6 feet, \$1.00 each.

BOOKS, HORTICULTURAL

CALIFORNIA FRUITS AND HOW TO GROW THEM—Complete on fruits, nuts and berries. By Prof. E. J. Wickson. \$2.50.

CALIFORNIA VEGETABLES IN GARDEN AND FIELD—By Prof. E. J. Wickson. \$2.50.

GARDENING IN CALIFORNIA—A valuable guide for the amateur—By Sydney B. Mitchell. \$2.50.

HOW TO PRUNE WESTERN SHRUBS—By R. Sandford Martin. \$1.10.

WILD FLOWERS OF CALIFORNIA—By Mary S. Parsons and Margaret W. Buck. \$3.50.

Climbing and Trailing Plants

(F. O. B. San Francisco)



Ampelopsis Veitchii or Boston Ivy

AMPELOPSIS

VEITCHII (Boston Ivy)—One of the most ornamental of climbing foliage plants, clinging closely without any assistance to a stone wall or wooden surface. In autumn the leaves assume a reddish-copper tint and are very effective. 2-year bare roots, **50c each**. Gallon cans, **75c each**.

QUINQUEFOLIA (Virginia Creeper)—Foliage much larger than the preceding, with a more vigorous habit of growth, the leaves assuming a bronzy hue in the fall, but not of clinging habit. Extra strong roots, **75c each**.

BIGNONIA (Trumpet Vine)

Beautiful climbers with large, showy, trumpet-shaped flowers in various colors, valuable for covering walls or climbing trees; they require a warm, sunny position and protection.

CHERERE—An evergreen variety, with long, trumpet-shaped flowers 3 inches in diameter; in color a rich shade of blood red. Gallon cans, **75c each**.

TWEEDIANA—Flowers lemon-yellow and usually broader than long. Evergreen with tendrils that adhere to stone. Gallon cans, **75c each**.

VIOLACEA—Foliage quite glossy, evergreen. Flowers lilac on the lobes, yellow inside tube. Gallon cans, **75c each**.

BOUGAINVILLEA

(Protect from frost until established)

BRAZILIENSIS—A beautiful climber, having peculiarly shaped flowers somewhat resembling the leaves in shape and produced along the end of the branches in great profusion; color, rosy-purple. They do well in a sheltered sunny location. Gallon cans, **\$1.00 each** and **\$1.25 each**.

CRIMSON LAKE—Just as vigorous as the above, but more tender. Flowers are brilliant rose-red. Gallon cans, **\$1.00 each**.

MRS. PRAETORIUS—A new and very distinctive variety. The color is bronze with overtones of pink and orange. Just as hardy as the Crimson Lake. Gallon cans, **\$1.50 each**.

CLEMATIS

Hardy, vigorous growing deciduous climbers with fine foliage and beautiful flowers of various colors. They do best in a light loamy soil, which should be well drained and which should receive annual applications in winter of well-decayed manure; they should never be allowed to get very dry. Clematis should be planted 4 to 6 inches deeper than they stood in the pot.

HENRYII—Extremely large, pure white. 2-year old, **\$1.00 each**.

JACKMANNI—Large violet-purple, very free flowering. 2-year old, **\$1.00 each**.

MME. BARON VEILLARD—Large satiny lavender-pink. 2-year old, **\$1.00 each**.

MME. EDOUARD ANDRE—Large, varying from mauve to carmine, free-flowering, 2-year old, **\$1.00 each**.

PANICULATA—Fragrant small white flowers in clusters which appear in the greatest profusion in late summer; should be well pruned in winter. Gallon cans, **\$1.00 each**.

RAMONA—Enormous flowers of deep sky-blue. 2-year old, **\$1.00 each**.

CLIANTHUS PUNICEUS

(Protect from frost until established)

Excellent for training against a wall, bearing great masses of drooping brilliant scarlet blossoms, which resemble a parrot's bill. Gallon cans, **85c each**.

DEERINGIA

BACCATA VARIEGATA—A smooth woody climber with round, green leaves margined white. The flowers are in long slender spikes and are a greenish white color, followed by red berries. Gallon cans, **75c each**.

FICUS REPENS

A handsome little evergreen climber with small dark green leaves, which clings to stone or wood. 4-inch pots, **40c each**. Gallon cans, **60c each**.

GREWIA

OCCIDENTALIS—When trained against a wall, this plant will make a rapid growth and cover itself with lavender-rose aster-like flowers about an inch in diameter. It blooms over a long period. Gallon cans, **75c each**.

HARDENBERGIA

COMPTONIANA — A beautiful evergreen, winter blooming climber producing a profusion of small violet-blue pea-shaped flowers in long racemes. Attains a height of 8 feet and prefers partial shade. Gallon cans, **85c each**.

HONEYSUCKLE

HALLEANA (Hall's Japanese)—A strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow; very fragrant; a long and continuous bloomer. 4-inch pots, **40c each**. Gallon cans, **60c each**.

CHINESE—Strong grower, new growth is reddish-purple on branches and back of leaves. Flowers white and pink, fragrant. 4-inch pots, **40c each**. Gallon cans, **60c each**.

HOPS

(Humulus Lupulus)

One of the best climbers for covering unsightly places. **\$1.25 per dozen, postpaid**. (Plant from March 15th to May 1st.)

IVY

(Hedera)

ENGLISH—Large, dark green leathery leaves. Clings tenaciously to walls; makes a good ground cover under trees. 4-inch pots, **40c each**. Gallon cans, **50c each**.

ENGLISH SMALL LEAVED—4-inch pots, **40c each**. Gallon cans, **50c each**.

MADERENSIS VARIEGATA—A giant leaved form with a broad yellow margin. 4-inch pots, **40c each**. Gallon cans, **60c each**.

JASMINE

GRANDIFLORUM (Catalonian Jasmine)—Flowers pink in bud, white when open, very large and delightfully fragrant. Blooms most of the time. 4-inch pots, **50c each**. Gallon cans, **75c each**.

PRIMULINUM (Double Yellow Jasmine)—Flowers very large and usually double. The fastest growing Jasmine. Gallon cans, **60c each**.

STEPHANENSE (Pink Jasmine)—A beautiful pink-flowering variety with twining, slender stems. Fragrant flowers, more than an inch in diameter. Gallon cans, **75c each**.



Clianthus Punicus—See page 73.

IPOMOEA

(Moonvine)

LEARII—A rapid growing climber with large, dark blue flowers; free bloomer, 4-inch pots, **50c each**; **3 for \$1.25**.

LANTANA

(Protect from frost until established)

A dwarf and semi-dwarf evergreen that may be grown as a shrub or climber. Dwarf varieties are very good for window boxes. They bear Verbena-like clusters of flowers. Should be planted in a sunny position.

CAMARA—This variety comes in white, yellow, and different shades of orange, pink, and red. 4-inch pot, **35c**; **\$3.00 per 10**. Gallon cans, **60c each**.

SELLOWIANA—A trailing variety for rockeries and window boxes. The lavender flowers appear all year. 4-inch pots, **35c each**. Gallon cans, **60c each**.

MANDEVILLEA

(Chile Jasmine)

SUAVEOLENS—A deciduous vine, bearing white flowers shaped like Jasmine, but far larger and even more fragrant. Summer bloomer. Gallon cans, **65c each**.

PASSION VINE

(Passiflora)

(Protect from frost until established)

Very rapid growing evergreen climber with large green leaves and brilliantly colored handsome flowers. Well adapted for covering walls, blooming very freely in the summer and fall.

JAMESONI—Bright salmon-pink with a tube 4 inches long. Foliage glossy bright green, 5-inch pots, **75c each**.

EDULIS (Passion Fruit)—Rapid grower, bears purple fruits. Gallon cans, **75c each**.

PINK—Clear pink flowers. Gallon cans, **60c each**.

SCARLET—A very brilliant color. Gallon cans, **75c each**.

PHILADELPHUS

MEXICANUS (Climbing Mock Orange)—A hardy, vigorous vine, excellent for training along the eaves of a house or over a pergola, the branches growing outward and downward like a waterfall. Covered in spring with fragrant, creamy-white double flowers 2 inches across. Gallon cans, **65c each**.

PLUMBAGO

CAPENSIS (Blue)—Can be trained as a bush or climber. Flowers light sky-blue, produced throughout the entire summer; stands drought and the brightest sunshine. Gallon cans, **60c each**. (Protect from frost until established.)

POLYGONUM

(Silver Lace Vine)

AUBERTI—A hardy climber of vigorous growth producing great foamy sprays of white flowers during summer and fall. 2-year-old roots, **75c each**.

RHYNCHOSPERMUM

JASMINOIDES (Star Jasmine)—A splendid evergreen climber of strong but not rampant growth with leathery, glossy leaves which make a dense mat; covered in spring and early summer with very sweet scented star-like flowers. It thrives equally well in full sun or semi-shade and is hardy almost everywhere in California. Gallon cans, **85c each**.

SOLLYA

HETEROPHYLLA—This is known as the Australian Bluebell Creeper and is valuable for covering banks and low fences; the flowers are tube-shaped and a brilliant blue color. A hardy evergreen climber. Gallon cans, **65c each**.

WISTERIA

One of the most elegant and rapid-growing of all climbing plants, bearing long grape-like clusters of flowers in early spring before the leaves appear; attains an immense size, growing at the rate of 15 to 20 feet in a season.

SINENSIS PURPLE—Racemes nearly a foot long and very compact. Flowers are light purple. 2-year-old grafted stock, **\$1.25 each**.

SINENSIS WHITE—2-year-old grafted, **\$1.50 each**.

MULTIJUGA BLUE—Flowers are smaller but the clusters are longer. Grafted stock, **\$1.50 each**.

MULTIJUGA ROSEA—Light lavender-pink flowers on long slender racemes. Grafted stock, **\$1.50 each**.



A Perennial Border

Rockery and Perennial Flowering Plants

Varieties suitable for the rockery are marked with an asterisk (*)

Orders for Rockery and Perennial Plants amounting to \$2.00 and over are prepaid within the third zone. Add 25c to cover postage and handling charges on orders for less than \$2.00.

ACHILLEA (Milfoil or Yarrow)

Plants suitable for dry, sunny places; bloom all summer.

FILIPENDULINA—Flat heads of brilliant yellow flowers; finely cut foliage. 4 feet. Clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

ROSEUM—Flowers deep rose colored in dense heads 18 inches high. Clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

***TOMENTOSA** (Woolly Yarrow)—Bright yellow flowers in bloom from July to September. 6 to 8 inches. Excellent for rockery. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

ACONITUM (Monkshood)

Summer and fall flowering hardy perennials with bold spikes of hood-shaped flowers, thriving in either sun or shade. Do not plant near vegetable garden as roots are poisonous.

SPARKS' VARIETY—Tall branched spikes covered with deep blue flowers. July, August. Pot grown. **Each, 35c; 3 for 90c; doz., \$3.00.**

WILSONI—Violet-blue flowers. 5 to 6 feet. Very late fall. Pot grown. **Each, 35c; 3 for 90c; doz., \$3.00.**

AGAPANTHUS (Blue African Lily)

The flowers are bright blue and are produced in clusters of 20 to 30 on stalks 3 feet tall. They bloom for a long period in the summer and fall.

They will grow in a sunny or partially shaded location. Strong roots. **Each, 35c; doz., \$3.50.**

*AGATHEA

COELESTIS (Blue Marguerite)—Sky-blue flowers with yellow disc growing 1 foot; in bloom all year round. Useful for window boxes and rockeries. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*AJUGA

REPTANS RUBRA—Forms a close carpet of richly bronzed purple leaves with blue Mint-like flowers on 4- to 6-inch stems. A useful plant for the rockery and for damp, shady places. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*ALYSSUM

SAXATILE (Golden Tuft)—An excellent low growing drought-resisting plant for rock-work or the border. Its masses of broad flat heads of bright yellow flowers are produced in May. Its leaves are evergreen and a good ground cover. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

ANCHUSA (Alkanet or Bugloss)

Handsome, hardy perennials belonging to the Forget-me-not family. The leaves are rough and hairy and the brilliant blue flowers are borne in racemes on branching stems.

LISSADELL—Tall spikes of rich gentian-blue flowers in May and June. 4 to 5 feet. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***MYOSOTIDIFLORA**—Of dwarf habit with clusters of bright blue Forget-me-not-like flowers in May and June. 12 inches high. An effective rock plant for a semi-shady place. **Each, 25c; 3 for 60c; doz., \$2.00.**

*ANDROSACE (Rock Jasmine)

LANUGINOSA LEITCHLINII—An interesting alpine which requires a very gritty soil, the stones furnishing the cool moisture the roots enjoy; prefers a northerly aspect of the rockery. Trailing habit and soft silvery foliage; flowers white with rose-colored eye. 3-inch pots. **Each, 35c; 3 for 90c; doz., \$3.00.**

California customers please include Sales Tax

ANEMONE

JAPONICA—The Japanese Wind-Flowers are amongst the most beautiful of our fall flowering plants. They bloom in wonderful profusion from August until late in the fall and attain a height of 4 to 5 feet. They require a partially shaded location; also fine as a cut flower.

SILVERY PINK, WHITE, ROSY RED. Each, 30c; 3 for 75c; doz., \$2.50.

AQUILEGIA

(Columbine)

Columbines are among the most beautiful hardy perennials, producing gracefully spurred flowers on stems 2 to 3 feet tall throughout May and June.

HALLAWELL'S SELECT HYBRIDS—Mixed colors. 1-year-old plants. Each, 25c; 3 for 60c; doz., \$2.00.

BLUE HYBRIDS—1-year-old. Each, 25c; 3 for 60c; doz., \$2.00.

CHRYSANTHA—A long spurred variety with waxy, golden-yellow flowers that remain on the plant for about two months. Each, 30c; 3 for 75c; doz., \$2.50.

ORANGE and SCARLET HYBRIDS—1-year-old. Each, 25c; 3 for 60c; doz., \$2.00.

PINK HYBRIDS—1-year-old. Each, 25c; 3 for 60c; doz., \$2.00.

***ARABIS**

(Rock Cress)

ALPINA FL.-PL.—Similar to the Alyssum or Golden Tuft but with double pure white flowers from early spring until summer. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

ARMERIA

(Sea Pink)

Evergreen border plant, very dwarf, requiring no trimming; flowers rose-pink. Doz., 35c; postpaid, 50c; 100, \$2.50 postpaid within the 3rd zone.

HARDY ASTERS

(Michaelmas Daisies)

CLIMAX—Extra large lavender-blue flowers. Two inches across. 4 feet tall; very fine.

LITTLE BOY BLUE—The finest rich blue Aster introduced. Very compact habit, not over 2 feet tall.

LITTLE PINK LADY—Rich pink, 2 feet tall. Each, 35c; 3 for 90c; doz., \$3.00.

NIOBE—This compact growing variety covers itself with white flowers having yellow centers. Grows 12 inches high, and is noted for being one of the finest introductions. Each, 40c.

PLEIADES (Yvette Richardson)—A miniature Michaelmas Daisy with a profusion of lavender blue flowers on 8- to 12-inch stems.

RYECROFT PINK—Bright rose and a very free bloomer; 4 to 5 feet tall.

ST. EGWIN—A pleasing soft rosy pink of medium size; very free flowering of fine compact habit; 2 to 3 feet tall.

All of the above. Each, 30c; 3 for 75c; doz., \$2.50, except where otherwise noted.

***SUB-COERULEUS**—Flowers light blue, 3 inches in diameter on leafless stems 12 inches high issuing from a tuft of leaves; useful for the rockery or border. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

***ARENARIA**

CAESPITOSA (Irish Moss)—Makes a vivid green carpet an inch or so high and spreads rapidly. Fine for rock gardens and flag walks. Sections, 25c each; Flat, 14x24 inches, \$1.50 by express F. O. B. San Francisco.

ASCLEPIAS

TUBEROSA (Butterfly Weed)—A strong growing perennial having showy orange flowers with red centers in the summer. Does very well in dry places. 4-inch pots, 35c each.

***AUBRIETIA**

GRAECA—One of the daintiest of all dwarf creeping plants for carpeting beds or rockwork, forming brilliant sheets of blue for many weeks. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

***BILLBERGIA**

NUTANS—Herbaceous plant good for the rockery, cacti garden, window box or pot. Rose colored sheaths, and a very unusual combination of blue, yellow and green in the nodding narrow flowers, make it very desirable. A porous soil with a little shade and plenty of water in the summer, will make a large plant in a short time. Clump, 35c.

CALCEOLARIA

Fine little shrub of low growth, bearing large clusters of pouch-like flowers in yellow and brown shades.

PURE YELLOW or CRIMSON with yellow border. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00. (April Delivery.)

***CONVOLVULUS**

MAURITANICUS—A low-growing plant which spreads about 18 inches and bears for months large and lovely blue flowers in profusion. For covering a dry bank or for a rockery it has no superior. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

CAMPANULA

CANTERBURY BELLS—Hardy biennials bearing a profusion of bell-shaped flowers. **Single Pink, White and Lavender.** Large clumps. Each, 25c; 3 for 60c; doz., \$2.00.

CANTERBURY BELLS—Cup and Saucer; **Lavender, Blue, Pink and White.** Large clumps. Each, 25c; 3 for 60c; doz., \$2.00.

***CARPATICA** (Carpathian Harebell)—A pretty species suitable for rockwork, forming compact tufts not over 9 inches high, flowers come well above the foliage on slender wiry stems. Blooms from July until October. **Blue and White.** 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

ISOPHYLLA (Italian Bellflower)—Spreading perennial having a profusion of saucer-shaped flowers during the summer. Good for hanging baskets, window boxes or rockeries. Available in blue or white. 3-inch pots, 30c each; doz., \$2.50.

PERSICIFOLIA (Peach Bells)—Perennial; 4 feet tall. In bloom during June and July. **Single White, Single Blue, Double Blue.** 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

PERSICIFOLIA TELHAM BEAUTY—Immense bell-shaped flowers of a pale china-blue, produced on long stems. 3-inch pots. Each, 30c; 3 for 75c; doz., \$2.50.

***PORTENSCHLAGIANA**—A low growing perennial sort with slender, graceful foliage and small blue-purple bell-shaped flowers which are produced very freely for a long period. Suitable for rockwork and borders. Each, 25c; 3 for 60c; doz., \$2.00.

***ROTUNDIFOLIA** (Blue Bells of Scotland)—Clear blue flowers; fine rock plant. 1 foot high, in bloom from June to August. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

GIANT FLOWERING CANNAS

Cannas succeed in a sunny position. For best results the ground should be spaded deeply and a generous amount of any well decayed manure thoroughly incorporated. Water freely at all times, after the plants are started. Set the roots 1 foot apart and cover the crowns with 3 inches of soil. Cannas may be planted from January to April.

AUSTRIA. 4½ ft. Pure yellow, with crimson throat markings. Green foliage.

BALTIMORE. 4 ft. Immense dark pink flowers in large trusses. A long season bloomer.

COPPER GIANT. 4 ft. Madder red suffused with rose and copper; splendid.

EUREKA. 4½ ft. Large white trusses; the best white. Green foliage.

GOLDEN WEDDING—Very dwarf. Large size blossoms of bright canary yellow. Fine variety for bedding or a low border.

INDIANA. 5 ft. Large, vivid orange flowers; green foliage.

ROSE GLORY. 4½ ft. Large flowers of lovely salmon-rose. Green foliage.

THE PRESIDENT. 4 ft. Immense flaming scarlet flowers and rich green burn-proof foliage.

UNCLE SAM. 5 ft. Rich, vivid crimson flowers of large size. Green foliage.

WYOMING. 5 ft. Rich bronze foliage, and immense trusses of large intense orange flowers.

Strong divisions. Each, 25c; 3 for 65c; doz., \$2.50.



Chrysanthemum, Large Flowered Type

CHRYSANTHEMUMS

Plants ready about May 1st. Pot grown. Orders amounting to \$1.00 and over are prepaid within the 4th zone. Add 15c to cover cost of postage and handling on orders for Chrysanthemums for less than \$1.00.

Large Flowered Type

25c each; 3 for 60c; \$2.00 per dozen.

Set out the plants about 2 feet apart in well fertilized ground. After the young plants have grown 12 inches pinch them back about 4 inches, then each plant will send out from 3 to 4 stems. In order to give strength to the blossoms, cover the ground with a layer of an inch or two of decayed manure. As soon as the buds appear on the stems, let the largest remain and pinch off all others.

BRONZE TURNER—Buff bronze, lower petals shaded rosy bronze, incurved.

J. C. NEAL—Clear yellow.

KEYSTONE—Fine incurved, bronzy orange.

LOUISA POCKETT—Purest white; incurved.

MRS. G. G. MASON—Clear blood-red, gold reverse.

MRS. KELLY—Deep amaranth with a deep lavender reverse.

PINK TURNER—Clear lavender-pink, incurved.

RITA MITCHELL—Salmon-bronze with fawn reverse; a most attractive variety of enormous size.

THOS. W. POCKETT—A lovely clear pink with incurving tips.

WILLIAM TURNER—Pure white, incurved.

WOOLF'S PINK—Violet and light pink, incurved.

YELLOW TURNER—Light yellow, incurved.

Pompon or Button Type

20c each; 3 for 50c; \$1.75 per dozen.

AMETHYST—Bright purple, medium.

BALDWIN'S SCARLET—Bronze red, splendid form. Button type.

DONALD—Lavender-pink. Button.

GOLDEN NYMPH—Yellow. Button.

INDIAN HILL—Orange-yellow. Button.

L'ARGENTILLIS—Chestnut-red. Button.

LILAC—Excellent, deep lavender.

NELMA PUTNAM—Rose-pink. Medium.

PINK GEM—Lilac-pink. Baby.

RED CAPRICE—Crimson-maroon. Medium.

TOPAZ—Bronze, tipped mahogany. Medium.

WANDA—Pure glistening white. Medium.

Single Type

20c each; 3 for 50c; \$1.75 per dozen.

BRONZE BUCKINGHAM—Glowing bronze.

CHARLOTTE WAITE—Deep rose.

GOLDEN SUN—Tall yellow.

PORTIA—Deep salmon-bronze shading in center to bright flame.

SUPREME—Deep crimson, large.

WILLIAM BUCKINGHAM—A grand vigorous pink.

Korean Hybrids

30c each; 3 for 75c; \$2.50 per dozen.

APOLLO—Bronze, red and gold.

CERESE—Chamois-yellow and gold.

DAPHENE—Salmon pink.

DIANA—Lilac-rose and salmon.

MARS—Deep amaranth.

MERCURY—Coppery-bronze and red.

Spidery and Thread-Like

30c each; 3 for 75c; \$2.50 per dozen.

AMATERASU—Yellow.

BENTEN—Greenish-gold tipped red.

DAIKOKU—Pink and pale green.

FUGI—Pale lavender.

TACHIBANA—Resembles Corn Silks.

THE DEAN—White.

Anemone Flowered Type

25c each; 3 for 60c; \$2.00 per dozen.

An entirely distinct type which is readily identified by the large central cluster composed of a myriad of smaller short petals.

CHESTNUT—An even shade of tan color.

CO-ED—Deep rose-pink.

EVA LA GALLIENNE—Raspberry, with low gold cushion.

RED BIRD—Deep ruby-red with green, golden-crested center.

THE CHIEF—Light yellow.

TRIUMPH—Golden yellow shaded bronze.

CARNATIONS

Ready about April 1st. Orders amounting to \$1.00 and over are prepaid within the 4th zone. Add 15c to cover cost of postage and handling on orders for Carnations for less than \$1.00.

3-inch pots: 25c each; 3 for 65c; \$2.50 per dozen.

DAIRY MAID—White and pink variegated.

GOLDEN WONDER—Yellow and red variegated.

MAINE SUNSHINE—Yellow.

PATRICIAN—White.

PINK ABUNDANCE—Rose pink.

SPECTRUM SUPREME—Scarlet.

VIRGINIA—Shell pink.

WOBURN—Maroon.

COMMELINA

SELLOWIANA—The fleshy stems and attractive foliage somewhat resemble the Wandering Jew. The plant is a trailing type good for window-boxes, rockeries or pots. Flowers are an unusual form; two-petaled and bright blue, about two inches across. 4-inch pot, 35c.

COREOPSIS

A perennial with light, graceful foliage and beautiful golden flowers; blooms in mid-summer and is one of the best yellow cut flowers.

MAYFIELD GIANT—Large single deep golden-yellow flowers. Large clumps. Each, 25c; 3 for 60c; doz., \$2.00.

GRANDIFLORA FLORA PLENA—Semi-double yellow. Large clumps. Each, 25c; 3 for 60c; doz., \$2.00.

CRASSULA

*COCCINEA (Rochea Coccinea)—A shrubby plant about 2 feet high with small flat imbricated leaves and bright scarlet, fragrant flowers. 3-inch pots. Each, 30c; 3 for 75c; doz., \$2.50.

CUPHEA

IGNEA (Cigar Plant)—A compact, bushy plant, desirable for its reddish-orange flowers and everblooming qualities. 4-inch pots, 35c each.

HYSSOPIFOLIA—A low growing bushy evergreen, bearing lavender-pink flowers throughout the year. Fine for window boxes or edging; does well in sun or shade. 4-inch pots, 30c each; gallon cans, 75c each.

TREE DAHLIA

(Dahlia Imperialis)

A beautiful flowering plant growing 10 to 18 feet high and covered in the fall with nodding single Dahlia-like flowers of a lavender-pink color; should be left undisturbed in the ground. Strong roots. Each, 75c postpaid. (April Delivery.)

DIELYTRA

(Bleeding Heart)

SPECTABILIS—An old-fashioned favorite; its long racemes of graceful, heart-shaped pink flowers are very attractive. Does well in any part of the hardy border and especially valuable for planting in the shade. Clumps. Each, 60c.

DELPHINIUM

A remarkably showy class of tall growing plants, producing magnificent spikes of blue flowers in summer; will grow well in partial shade; fine for planting in mixed borders.

WREXHAM or HOLLYHOCK STRAIN—Clumps. Each, 25c; 3 for 60c; doz., \$2.00.

DEEP BLUE SHADES—Clumps. Each, 25c; 3 for 60c; doz., \$2.00.

LIGHT BLUE SHADES—Clumps. Each, 25c; 3 for 60c; doz., \$2.00.

HALLAWELL'S SELECT HYBRIDS—An exceptionally fine strain. Clumps. Each, 30c; 3 for 75c; doz., \$2.50.

BELLADONNA IMPROVED—Light turquoise-blue. Clumps. Each, 25c; 3 for 60c; doz., \$2.00.

SUMMER CLOUD—A strong growing and profuse blooming pure white variety. Clumps. Each, 25c; 3 for 60c; doz., \$2.00.

DIANTHUS

(Hardy Pink)

*CAESIUS (Cheddar Pink)—A splendid rock plant forming dense tufts of glaucous foliage, 3 to 6 inches high, with fragrant, delicate rose-colored flowers in May and June. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

*DELTOIDES (Maiden Pink)—A dwarf little plant with narrow leaves, bearing a profusion of small, fragrant, rosy pink flowers during June and July. Easily grown in the rockery. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

*DELTOIDES ALBUS—A white form of the above variety. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

*DELTOIDES SPLENDENS—Glowing crimson; very effective. 3-inch pots. Each, 30c; 3 for 75c; doz., \$2.50.

PLUMARIUS (Clove Pinks)—The double and semi-double flowers are fringed and fragrant like cloves and come in various colors; extensively used for borders and edgings. Doz., 50c; 100, \$3.50.

DORONICUM

EXCELSUM—A hardy perennial with bright yellow flowers nearly as large as the Shasta Daisy. It blooms very early and for a long season and is invaluable for cutting. The leaves are close to the ground and the slender stems 2 feet or more in height. Clumps. Each, 30c; 3 for 75c; doz., \$2.50.



Doronicum Excelsum

DIGITALIS

(Foxglove)

Hardy perennials, producing long spikes of various colored flowers; fine for shrubberies and half shady places. **Rose, White and Purple.** Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

GIANT SHIRLEY MIXTURE—The plants attain a height of 5 to 7 feet, with spikes 3 to 4 feet long carrying flowers of giant size, ranging in color from white to dark rose, which are blotched and spotted. Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

ECHINOPS

(Globe Thistle)

RITRO—Striking hardy perennial plant, with handsome silvery thistle-like foliage and fine steel-blue flowers in round heads, which can be used for cutting; 3 to 5 feet. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

***ERIGERON**

MUCRONATUS—Also known as Vittadinia. A charming plant for the garden or rockery, with small Daisy-like flowers which are at first rose colored, then white. Blooms profusely almost the entire season. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***ERINUS ALPINUS**

Pretty rosettes of foliage and racemes of small rosy purple flowers. A first rate rock plant and also invaluable for establishing on old walls. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***FELICIA**

PETIOLATA—Also known as Agathea Rosea. A most desirable trailing plant with pink Daisy-like flowers. Planted on a wall it will hang down from 2 to 4 feet and it flowers almost continuously. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

HARDY FERNS

A shady position useless for the cultivation of other plants is easily transformed into a hardy fernery. Of easy culture especially if a liberal amount of leaf mold or peat is mixed with the soil.

For ferns to be shipped, add 10c each for packing.

ADIANTUM PEDATUM (Five Fingered Fern)—A native species of Maiden Hair Fern. 4-inch pots. **Each, 50c.**

ASPLENIUM BULBIFERUM (Carrot Fern or Mother Fern)—5-inch pots. **Each, 50c.**

ASPLENIUM FILIX-FOEMINA (Lady Fern)—A large native fern with fronds 3 to 4 feet long. It dies down in winter but makes a very rapid growth in early spring. Gallon cans. **Each, 60c.**

CYRTOMIUM FALCATUM (Holly Fern)—5-inch pots. **Each, 50c.**

NEPHROLEPIS TUBEROSA (Common Sword Fern)—5-inch pots. **Each, 50c.**

PTERIS—In variety. 5-inch pots. **Each, 50c.**

WOODWARDIA RADICANS (Chain Fern of California)—Tall, erect and much divided bright-green fronds. Gallon cans. **Each, 60c.**

FILIPENDULA

HEXAPETALA—Also known as Spiraea Filipendula. Has pretty fern-like, low foliage and many creamy white flowers which are tipped red and borne in cymes on stems about 18 inches in height during May and June. Thrives in a moist soil and sunny situation. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

FRANCOA

RAMOSA—A handsome, half hardy perennial plant which is useful as a decorative pot plant as well as for the perennial border. During the summer months it produces elegant, long sprays of pure white or blush-pink flowers which are excellent for cutting. 2½ feet high. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**



Gaillardia, Portola

GAILLARDIA

Very showy hardy perennials growing 1½ to 2 feet high and blooming all summer. Flowers are scarlet and yellow, blended and shaded. 3 inches in diameter, produced on long stems.

GRANDIFLORA HYBRIDS—Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

PORTOLA—Flowers are of enormous size, 4 to 5 inches in diameter; color is a rich crimson-bronze zoned with yellow at the tips, 2 to 3 feet high; splendid for cutting. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

GAZANIA

Flowers orange or yellow, produced in greatest abundance in the spring and early summer, valuable for making borders where there is a lack of water.

SPLENDENS—Orange-yellow. From flats. **Doz., 50c; postpaid, 65c; \$3.75 per 100.**

LONGISCAPA—Golden-yellow, large and beautiful. Also useful for window boxes. From flats. **Doz., 60c; postpaid, 70c; 100, \$4.00.**

GERBERA
(Transvaal Daisy)

The large Marguerite-like flowers come in all shades of pink, salmon, red and yellow and are borne on long, stiff, straight stems. They require a warm, sunny position, good drainage and protection from frost. Care must be taken not to plant them so that the crowns are buried. **Mixed Colors.** Strong plants. **Each, 30c; 3 for 75c; doz., \$2.50.**



Geranium

GERANIUMS

(Protect from frost until established)

3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.** Orders amounting to \$1.00 and over are prepaid within the fourth zone. Add 15c to cover cost of postage and handling on orders for Geraniums for less than \$1.00.

MADAM KOVALESKY—Bright orange, immense trusses.
 GERTRUDE PEARSON—Single, rosy-pink, large white eye.
 PAUL CRAMPEL—Rich, dark crimson-scarlet, large truss.
 MRS. E. G. HILL—Beautiful salmon; a fine large flower.
 SINGLE WHITE. DOUBLE WHITE.

IVY LEAFED VARIETIES

SINGLE LAVENDER—A beautiful clear lavender shade.
 GALILEE—Double bright pink.
 CHAS. TURNER—Double bright salmon-rose, very large.
 DOUBLE SCARLET—Vivid red.

GEUM

A showy hardy perennial with large brilliant flowers borne on long stems, blooming nearly all summer; fine for cutting. 2 feet high.

LADY STRATHEDEN—Fine rich golden-yellow flowers which match in other respects the popular scarlet variety, Mrs. Bradshaw.

MRS. BRADSHAW—Large double orange-scarlet flowers.

ORANGE QUEEN—A new color midway between Lady Stratheadon and Mrs. Bradshaw. Not as deep as Prince of Orange but just as good.

PRINCE OF ORANGE—A new shade of rich orange, double flowers on long stems. Very good for cutting.

Clumps of the above varieties: **Each, 25c; 3 for 60c; doz., \$2.00.**

HELENIUM

RIVERTON GEM—A strong growing perennial 3 to 5 feet high, bearing in late summer and fall masses of large, Daisy-like flowers, which are old gold, changing to wallflower-red as they mature. Clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

*HELIANTHEMUM

(Sun Rose)

Low spreading evergreen plants which for months in the summer are almost hidden by thin dainty flowers which are usually single and resemble little roses. Excellent for a sunny rockery or in front of the border. They are drought resisting but respond wonderfully to rich soil and care and are lime lovers.

Single Pink, Single Orange, Single Yellow, Double Yellow and Double Red—3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

The following varieties are larger flowered, larger foliaged, and are more vigorous growing than the old type.

AMERICAN BEAUTY—Wine-red.

APRICOT—Light orange.

CALIFORNIA—Mid-orange, deep center.

CORREVON'S PINK—Fine rose-pink.

GOLDBLOCKS—Lemon yellow.

PORTLAND PARKS—Bronze with yellow center.

ROSE QUEEN—Mid rose.

ST. MARY—Pure white. New and very fine.

Each, 25c; 3 for 60c; doz., \$2.00.

HELLEBORUS

ORIENTALIS (Lenten Rose)—An erect growing variety with large, divided leaves. The flowers vary from 3 to 4 inches in diameter and are upright. The color varies from lavender to deep red. A very desirable plant. **Each, 85c.**

HEMEROCALLIS

(Day Lily)

Popular hardy plants belonging to the Lily family. They succeed everywhere and should be included in every border of old-fashioned hardy plants. The flowers are produced in spikes from six to a dozen blooms, opening in succession.

FLAVA (Yellow Day Lily)—Fragrant deep lemon-yellow flowers in June and July; 2½ to 3 feet. **Each, 30c; 3 for 75c; doz., \$2.50.**

FULVA (Tawny Day Lily)—Coppery orange with darker shadings, June and July; 3 feet. **Each, 30c; 3 for 75c; doz., \$2.50.**

KWANSO FL. PL.—Double orange with darker shadings. July and August; 3 feet. **Each, 40c; 3 for \$1.00; doz., \$3.50.**

*HEUCHERA

(Coral Bells)

SANGUINEA—A low growing plant with heart-shaped leaves which form a low clump 6 to 8 inches high and bearing during early summer, loose graceful sprays of coral-red flowers in great profusion; suitable for the border or rockery and thriving in the shade or in cool places in the sun. Young plants from flats. Field grown. **Each, 25c; 3 for 60c; doz., \$2.00.**

HOLLYHOCK

A hardy perennial of upright growth, 5 to 8 feet high.

Double Rose Pink, Double Red, Double Pure Pink, Double Yellow, Double Maroon, Double White. Strong field grown plants. **Each, 25c; 3 for 60c; doz., \$2.00.**

*HYPERICUM

OLYMPICUM—A trailing species for the rock garden, with slender evergreen foliage and bright yellow flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

IMPATIENS

OLIVERI—A half hardy showy plant growing 4 to 6 feet high. Flowers pale lilac, 2¼ inches across. In bloom for a long time and excellent for the shady border. 4-inch pots. **Each, 35c.** (Protect from frost until established.)

LIATRIS

PYCNOSTACHYA (Gayfeather)—One of the finest subjects for the back of the perennial border. It is very easily grown and reaches a height of 4 to 5 feet. The flowers are in large spikes of light rosy-purple. Good cut flower. **Each, 25c, 3 for 60c.**

LINARIA

*CYMBALARIA (Kenilworth Ivy)—A trailing variety for rocks and walls, with small lilac flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

Regarding postage on Perennial Plants see top of page 75.



Portion of the Rockery

LINUM
(Flax)

- ***FLAVUM** (Golden Flax)—Flowers golden yellow, free blooming, 1 foot tall. 3-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**
- ***NARBONENSE**—Azure-blue with white eye. Forms a spreading clump and is fine for the rockery. The flowers of other Linums drop off at noon, but in this species they remain open all day and last for several days. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**
- ***PERENNE**—An excellent plant for the border or rockery growing 1½ feet high with light, graceful foliage. For a long period beautiful blue flowers appear daily in the morning. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

LIPPIA

REPENS—Used in place of grass for lawns. It does not require much water and makes a fairly good substitute. Strong rooted plants, **\$2.00 per 100.** Flat 14x24 inches, **\$1.50** by express F. O. B. San Francisco.

***LITHOSPERMUM**

PROSTRATUM, HEAVENLY BLUE—One of the most beautiful of the trailing plants, with small deep green leaves and masses of pure blue flowers during spring and early summer. Should be in every rock collection. 3-inch pots. **Each, 35c.**

LOBELIA

CARDINALIS "Queen Victoria"—A most brilliant colored hardy perennial, succeeding best in a moist, deep loam. The rich, fiery cardinal flowers are produced on spikes often 24 to 30 inches high; foliage, dark red. In bloom from early in August to late in September. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

LYCHNIS
(Campion)

- ***ALPINA**—A very dwarf plant for the rockery. Produces clusters of rose-pink flowers in spring and early summer. 4 to 6 inches high. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**
- CHALCEDONICA**—A favorite summer blooming perennial bearing large clusters of vivid scarlet flowers. Height, 3 feet. **Each, 25c; 3 for 60c; doz., \$2.50.**

MARGUERITE

(Protect from frost until established)

A half-hardy perennial shrub, remaining in bloom all year round and requiring very little water.

WHITE or YELLOW—4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

MERTENSIA

(Virginia Blue Bells)

VIRGINICA—A spring flowering perennial, growing about 1 to 1½ feet high, with blue, funnel-formed flowers in nodding clusters; reddish purple in bud but when the flowers open they change to a lovely gentian-blue. In bloom from April to June; requires a partially shaded position and moist soil. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

MESEMBRYANTHEMUM

(Ice Plant)

(Protect from frost until established)

These are much used for planting in rockeries and on embankments where there is a scarcity of water. They make a gorgeous sight when in bloom.

- ***AUREUM**—Shrubby with large bright orange flowers. 3-inch pots. **Doz., 50c; postpaid, 60c; 100, \$3.50.**
- BLANDUM CURVIFLORUM**—A narrow leaved variety with large white flowers tinged pink. **Each, 25c; 3 for 60c.**
- ***FLORIBUNDUM**—Small lavender-pink flowers with very narrow foliage. The most popular variety for covering banks. From flats. **Doz., 40c; postpaid, 50c; 100, \$2.75.**
- ***SPECTABILE**—Large bright rose colored flowers with coarse foliage. Trailing habit; suitable for banks. **Doz., 50c; postpaid, 60c; 100, \$3.50.**
- ***BROWNII**—A narrow leaved variety growing 1 foot high or more, and much branched; flowers orange changing to various shades of rose, with petals ¼ inch long. Suitable for the rock garden and dry situations. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***NEPETA**

MUSSINI—A hardy dwarf compact perennial, producing clouds of light blue flowers from May to September. Makes a fine permanent edging and an excellent rock plant; 10 inches high when in bloom. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

***NIEREMBERGIA**

HIPPOMANICA—This is one of the finest plants we may have in the garden. The low, compact plant growing only 6 to 8 inches high is covered practically all year with dark lavender flowers having a yellow eye. Especially good for rockeries and may be used as a border plant. **Each, 25c; doz., \$2.00.**



Nierembergia
Hippomanica

Varieties suitable for the rockery are marked with an asterisk (*)



Iceland Poppies

*OENOTHERA (Evening Primrose)

MISSOURIENSIS—A low species with prostrate or ascending branches. Solitary yellow flowers often 5 inches across. Blooms profusely from June to August; 10 inches high. Good for rock garden or border. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

PANSIES

GENEVA GIANTS—Young plants, from flats. **Doz., 35c; postpaid, 50c; 100, \$2.50, postpaid within 3rd zone.**

PENTSTEMON

A hardy perennial growing 2 feet high, sending up spikes of bright colored and spotted flowers. Somewhat like the Foxglove but in a great variety of colors.

RED SHADES, ROSE SHADES, VIOLET SHADES—Field grown plants. **Each, 25c; 3 for 60c; doz., \$2.00.**

MIXED COLORS—Field grown plants. **Each, 25c; 3 for 60c; doz., \$2.00.**

*PLUMBAGO

LARPENTAE—An excellent rock plant for fall bloom. Flowers intense deep Plumbago-blue. Thrives in sun or light shade. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*POTENTILLA (Cinquefoil)

NEPALENSIS ROXANA—A hardy perennial border plant with Strawberry-like foliage. Flowers are brilliant salmon with darker veins. Related to Geum. 18 inches high. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

ICELAND POPPIES

The plant is of neat habit, forming a tuft of bright green fern-like foliage, from which spring, throughout the entire season, a profusion of beautiful cup-shaped flowers on slender leafless stems 1 foot high.

ORANGE, YELLOW or PINK SHADES—3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

ORIENTAL POPPIES

A charming summer flowering hardy plant, producing numerous leafy stems about 2½ feet high, with large, showy flowers, having a conspicuous black blotch on each petal.

BEAUTY OF LIVERMERE—A dark crimson with a black blotch. Said to be the finest of its color. Long blooming.

OLYMPIA—The earliest variety to bloom, having flame scarlet flowers slightly smaller than the other varieties.

ORANGE—Large orange flowers with a black blotch at the base of each petal.

ORIENTALE—Tremendous blooms of crimson-scarlet with large purple-black blotches at the base. Good blooming qualities.

PRINCESS VICTORIA LOUISE—A delicate shade of salmon-pink. Large flowers on good stems.

3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

HARDY PHLOX

A beautiful and easily grown perennial about 3 feet high, producing magnificent spikes of showy flowers. They remain in bloom all summer; set the plants 18 inches apart.

The following: **Each, 30c; 3 for 75c; doz., \$2.50.**

AFRICA—Large, well shaped trusses of bright carmine-red florets with blood red eye. A strong grower, and mildew resistant.

ANTONIN MERCIER—A clear lilac-blue; of medium height and free flowering.

COUNT ZEPPELIN—Very large, pure white flowers with a distinct vermilion-red eye. A bright, clean combination, and a favorite variety.

ENCHANTRESS—Large, bright salmon-pink florets with a dark eye. A strong grower, glossy green foliage.

JULES SANDEAU—Brilliant pink, although dwarf in habit of growth, it produces large trusses and flowers freely.

RIJNSTROOM—A strong growing Phlox producing many large trusses of bright rose-pink florets.

VON LASSBURG—Pure white, midseason variety. Tall and very free flowering; splendid for the back of the border.

The following: **Each, 40c; 3 for \$1.00; doz., \$3.50.**

DAILY SKETCH—Very large, salmon-pink florets with a crimson eye. A magnificent Phlox, growing about 3½ feet high and producing large, well formed trusses.

LEO SCHLAGETER—Large, full trusses of glowing scarlet; a brilliant and beautiful Phlox. It grows about 3 feet high; is free flowering and early.

P. D. WILLIAMS—Soft rose-pink with darker center; the buds and reverse of petals rosy-red. Enormous flowers in pyramidal trusses.

*PHLOX

SUBULATA (Moss Pink)—A spring flowering type with pretty moss-like evergreen foliage which during the flowering season (April and May) is hidden under masses of bloom. An excellent plant for the rockery. **Light Lilac, White and Pink. Each, 30c; 3 for 75c; doz., \$2.50.**

PRIMROSE (Primula)

POLYANTHUS VERIS—A hardy variety used for borders and blooming very early in the year. **Mixed Colors. From flats. Doz., 50c; postpaid, 60c; 100, \$4.00 postpaid within 3rd zone.**

*AURICULA—The Primrose of the Alps. Forms rosettes of thick leaves. Flowers variously colored; fragrant. 3-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

Regarding postage on Perennial Plants see top of page 75.

PYRETHRUM ROSEUM

IMPROVED SINGLE HYBRIDS—A hardy perennial bearing large Cosmos-like flowers with bright yellow centers; blooms in May and June and again in the fall and is one of the most graceful and long-lasting cut flowers; 2 feet. A re-selected strain with rose and pink shades predominating, with some reds and very few white. Clumps. **Each, 30c; 3 for 75c; doz., \$2.50.**

REHMANNIA

ANGULATA—A half-hardy herbaceous perennial with beautiful large rosy purple Gloxinia-like flowers. Suitable for pot culture or outdoors in a sheltered situation. 3 feet tall. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

RUDBECKIA (Cone Flower)

LACINIATA FL. PL. (Golden Glow)—Handsome perennials, 6 to 8 feet high, covered with very double golden yellow flowers in summer time. Strong roots. **Each, 25c; 3 for 60c; doz., \$2.00.**

PURPUREA GRANDIFLORA (Purple Cone Flower)—Large, handsome crimson-purple flowers with dark central disc. 3 feet tall. Pot grown. **Each, 25c; 3 for 60c; doz., \$2.00.**

SCABIOSA

CAUCASICA (Blue Bonnet)—One of the handsomest of hardy perennials. 3 feet. Large pale blue flowers on long stems; fine for cutting. 2-year-old. **Each, 30c; 3 for 75c; doz., \$2.50.**

COLUMBARIA—Fine orchid-pink flowers on long stems, spreading habit and very free flowering. Flowers slightly smaller than Caucasica but a good companion. Pot grown. **Each, 30c; 3 for 75c; doz., \$2.50.**



Pyrethrum Roseum

SALVIA

AZUREA—A hardy perennial variety growing 3 to 4 feet high and producing during late summer, panicles of pretty sky-blue flowers in great profusion. It requires a sunny situation and will stand considerable drought. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

FARINACEA "BLUE BEDDER"—This compact form has deep blue flowers. New and very desirable. Grows 4 feet high. **Each, 25c; 3 for 60c; doz., \$2.00.**

PITCHERI—Same as the preceding variety, except in color, which is intense gentian-blue (deep blue). One of the best late fall flowers. Pot grown. **Each, 35c; 3 for 90c; doz., \$3.00.**

LEUCANTHA—A shrubby variety 1½ to 2 feet high with elongated woolly branches. The violet-purple flowers are tipped white and are borne in whorls on spikes which are 6 to 10 inches long. Blooms in late summer. 4-inch pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

PATENS (Blue Sage)—A tender tuberous rooted plant for the border, 2 feet high. Flowers are of a rich blue color. The tubers should be lifted in the late fall and kept in a protected place during winter. Pots. **Each, 30c; 3 for 75c; doz., \$2.50.**

TURKISTANICA—Used as a decorative plant for the border. Has striking heavy foliage with short spikes of white bracts, tinged pink; new. **Each, 30c; 3 for 75c; doz., \$2.50.**

SAXIFRAGA

*AIZOON FLAVESCENS—Tiny yellow flowers, the usual pretty rosette of silver margined foliage. Pot grown. **Each, 25c; 3 for 60c; doz., \$2.00.**

CRASSIFOLIA—A low-growing hardy plant with large leaves, especially adapted for shady places. Bears good-sized pink flowers in a large panicle rising to a foot above the ground. Commences to bloom in the fall and continues throughout the winter. 4-inch pots. **Each, 35c; 3 for 90c; doz., \$3.00.**

*MACNABIANA—Numerous white flowers heavily speckled with pink to purple dots which are large. Autumn foliage shows handsome tints. 12 to 15 inches. Pot grown. **Each, 25c; 3 for 60c; doz., \$2.00.**

*UMBROSA—Is the London Pride and a dainty plant with erect flowering stems about a foot high and many small white flowers. The foliage is pretty and tufted, and it spreads to form a fine colony. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

SEDUM (Stonecrop)

The dwarf varieties are charming plants for sunny positions in the rockery and the taller sorts make effective color groups in the border.

*DASYPHYLLUM—Leaves resemble pinkish gray beads set tightly on frail stems. The small star-shaped flowers are white to pinkish. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*HISPANICUS MINUS—Delicate grayish foliage, very dwarf and mossy. Flowers pinkish white. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*SPECTABILE—One of the prettiest erect growing species, attaining a height of 18 inches, with broad light green foliage and immense heads of showy rosy crimson flowers. Fine late fall blooming plant. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*SPURIUM—A flat trailing variety with dense foliage a little over an inch high and purplish pink flowers on stems 6 inches high during July and August. Foliage often assumes bronze tints. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*STAHLII (Rattlesnake Sedum)—Very attractive, 2 to 4 inches high with thick, bronze-red bead-like foliage of trailing habit, much branched. Yellow flowers in April and May. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

SEMPERVIVUM (Houseleek)

Curious and interesting plants forming rosettes of succulent leaves in varying colors. Flower stems 6 to 10 inches high, blooming from July to September. Good for rockeries and walls.

*ARACHNOIDEUM (Cobweb Houseleek)—Tips of leaves in rosette usually connected with silvery threads; flowers bright red. 3-inch pots. **Each, 35c; 3 for 75c; doz., \$2.50.**

*CALCAREUM—Large rosettes, glaucous-blue, distinct red-purple tip. 3-inch pots. **Each, 35c; 3 for 75c; doz., \$2.50.**



Shasta Daisy, Storm King

SHASTA DAISY

ALASKA—A most satisfactory perennial, blooming very profusely for a long period. The flowers are single white, yellow center, and borne on long stiff stems. Extra large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

FRINGED—A new semi-double sort with many narrow petals; fine for cutting. Clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

STORM KING—A new variety with glistening pure white flowers 3½ to 4 inches in diameter with several rows of petals and a yellow cushion-like center flaked with white. 18 to 20 inches tall. Clumps. **Each, 40c; 3 for \$1.00.**

SOLIDAGO

(Golden Rod)

GOLDEN WINGS—The finest of all. 5 feet high with immense panicles of bright golden-yellow flowers from July to September. Strong roots. **Each, 25c; 3 for 60c; doz., \$2.00.**

SPIRAEA

PALMATA (Pink Meadow Sweet)—Lovely clusters of fragrant, feathery pink flowers with red stamens. The flower stems are 2 to 4 feet tall, standing well above the attractive foliage. It is hardy, of easy culture, may be planted in semi-shade and blooms freely during midsummer. Clumps. **Each, 50c; 3 for \$1.25.**

STATICE

(Sea Lavender)

(Protect from frost until established)

ARBOREA—Has large spreading panicles of deep lavender flowers and large leathery leaves at base of the plant. Much used for window boxes. Gallon cans, **50c each.**

STOKESIA

(Cornflower Aster)

CYANEA—Deep lavender-blue flowers, 4 inches in diameter. Very free bloomer of the easiest culture. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

STRAWBERRY

EVERGREEN—Useful for covering embankments, etc., foliage deep glossy green. Bare roots. **Doz., 35c; postpaid, 45c; 100, \$3.00, postpaid within 3rd zone.**

SUTERA

HISPIDA—A dwarf shrubby plant almost continually covered with small pinkish-white bloom. A fine subject for edging, rockery, or window box. **Each, 25c.**

SWEET WILLIAM

(Dianthus Barbatus)

A very desirable low-growing, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers.

NEWPORT PINK—Brilliant single salmon-rose. Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

SCARLET BEAUTY—Bright scarlet. Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

WHITE BEAUTY—A pure white. **Each, 25c; 3 for 60c; doz., \$2.00.**

SINGLE MIXED—Large clumps. **Each, 25c; 3 for 60c; doz., \$2.00.**

THALICTRUM

(Meadow Rue)

DIPTEROCARPUM—The finest of all. This hardy perennial is of vigorous growth, 4 to 5 feet high. The dainty rosy purple flowers are brightened by a bunch of conspicuous yellow stamens and produced in graceful sprays from July to September. 2-year clumps. **Each, 35c; 3 for 90c; doz., \$3.00.**

THYMUS

(Thyme)

The Mountain Thymes make a perfect close, fragrant carpet and are a mass of bloom in June and July. Fine for rockwork.

*SERPYLLUM AZORICUS (Mother of Thyme)—Dense mats of dark green foliage. Rosy lavender flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*SERPYLLUM ALBUM (White Mountain Thyme)—Dark green foliage and white flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*SERPYLLUM COCCINEUS—Dark green foliage and crimson flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

*SERPYLLUM LANUGINOSUS (Woolly-Leaved Thyme)—Woolly foliage with reddish pink flowers. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

TRACHELIUM

COERULEUM—A free-flowering perennial producing large cloud-like heads of pale mauve flowers, resembling the Gypsophila; 1½ feet high. 3-inch pots. **Each, 25c; 3 for 60c; doz., \$2.00.**

TRITOMA

(Red Hot Poker)

Hardy plants with large and broad grassy leaves at the base; the dense spikes of brilliant flowers are borne on long stiff stems during the summer months; withstands drought.

DWARF HYBRIDS—A low growing form in a variety of colors. Excellent for cutting and a great improvement over the older types; very wind-resistant. **Each, 30c; 3 for 75c; doz., \$2.50.**

HYBRIDA ELEGANS MULTIFLORA—A medium growing variety blooming over a long period. **Each, 25c; 3 for 60c; doz., \$2.00.**

PFITZERI—Orange-scarlet spikes, 3 to 4 feet high; very effective. Large clumps. **Each, 40c; 3 for \$1.00.**

PFITZERI ORANGE—Not as tall growing as the above variety, but in pure orange. Very good cut flowers. **Each, 40c; 3 for \$1.00; doz., \$3.50.**

PFITZERI YELLOW—Same as above with pure yellow flowers. A very scarce variety. **Each, 50c.**

Regarding postage on Perennial Plants see top of page 75.

PERENNIAL PLANTS—Cont'd

TROLLIUS

(Globe Flower)

GOLDQUELLE HYBRIDS—A spring or early summer flowering perennial for moist, partially shaded borders. The flowers are globe-shaped, yellow to deep orange in color on 15- to 24-inch stems and useful for cutting. 3-inch pots. Each, 30c; 3 for 75c; doz., \$2.50.

LEDEBOURI—A magnificent variety with large flowers of rich orange yellow, on 2- to 3-foot stems. Requires moist soil and partial shade. Height, 2 feet. 3-inch pots. Each, 50c; 3 for \$1.35.

VALERIAN

(Centranthus Ruber)

Showy, hardy border plants, producing large corymbs of red or white flowers. They are drought-resisting and remain in bloom for many months; 2 to 3 feet tall. Excellent for the shady border. **Crimson, White and Rose.** Field-grown plants. Each, 25c; 3 for 60c; doz., \$2.00.

*VERBENA

ERINOIDES—This lovely variety produces a mass of moss-like foliage, spreading over the ground like a carpet, above which are borne heads of purplish blue flowers in great profusion from June until frost. A very desirable rock plant. 3-inch pots. Doz., 35c; postpaid, 50c; 100, \$2.50; postpaid within 3rd zone.

VIOLA

APRICOT—Apricot tinged orange towards the center. From flats. Doz., 35c; postpaid, 50c; 100, \$2.50, postpaid 3rd zone.

RADIO—A new variety of a decided lavender-blue, used extensively for cut flowers by the leading local florists. Of extremely free flowering habit. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

VIOLETS

CALIFORNIA—Large, single dark blue. Bare roots. Doz., 50c; postpaid, 65c; 100, \$3.75 postpaid within the 3rd zone.

HALLAWELL'S GIANT—A very desirable long-stemmed, single violet. The flowers are the largest of any variety growing in our nursery garden. For best results plant in a sunny situation. Bare roots. Doz., 60c; postpaid, 75c; 100, \$3.75, postpaid within 3rd zone.

MARIE LOUISE—The so-called Parma Violet. Has large double flowers that are rich mauve in color. A slight touch of white in the center sets the flowers off to good advantage. Each, 35c; 3 for 90c; doz., \$3.00.

PRINCESS OF WALES—An exceedingly large flower on a very long stem. The color is clear violet-blue, fragrant and single. An excellent variety. Each, 25c; 3 for 60c; doz., \$2.50.

*ZAUSCHNERIA

(California Fuchsia)

MICROPHYLLA—The brightest red colored rock plant. Of trailing habit. 1 to 1½ feet high with trumpet-shaped flowers. A well-drained soil in full sun is essential. 3-inch pots. Each, 25c; 3 for 60c; doz., \$2.00.

FRUIT TREES AND SMALL FRUITS

F. O. B. San Francisco

ALL TREES No. 1 GRADE

We make nursery stock shipments by express unless requested otherwise.

GUARANTEE—The Hallawell Seed Company will exercise care to have all stock true to name; nevertheless, it is understood and agreed that should any stock prove untrue to name, the Hallawell Seed Company shall be liable only for the sum paid for the stock proving untrue, and shall not be liable for any greater amount.

Planting and Pruning—Planting may be done from December to March. Always dig large holes for the roots and add some old well-rotted manure. After the tree is set in the hole, work the soil in around the roots and firm with the foot as the hole is filled, leaving the last spadeful or two untrampled. Do not plant when the ground is too wet. Deciduous fruit trees should be pruned back severely after planting, usually 2½ or 3 feet from the ground, leaving a few side branches where necessary, which are cut back to a few inches from the main stem. When the trees have been planted one year, cut back half the preceding summer's growth. Frequent cultivating is necessary.

Note—The 10 rate applies on an assortment of 10 or more trees listed at 60c each F. O. B. San Francisco.

APPLES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

DELICIOUS—Dark red splashed with golden-yellow. Fine-grained and highly flavored. Ripe in November.

ESOPUS-SPITZENBURG—Large, light red; rich, sprightly, vinous flavor. One of the best. November to January.

GRAVENSTEIN—A large, striped, beautiful, roundish apple; of excellent quality, juicy, highly flavored. August.

RED ASTRACHAN—Large, roundish, skin deep red; flesh white, juicy and crisp, though rather acid. The best early apple. June and July.

ROME BEAUTY—Large yellow striped with bright red; very handsome; flesh tender, juicy, sprightly. A long keeper. November and December.

SKINNER SEEDLING—Large, early, yellow. One of the best for eating or cooking. July, August.

WINTER BANANA—Medium to large golden yellow, usually shaded crimson. Rich sub-acid flavor; begins bearing very young. October to December.

YELLOW BELLFLOWER—Very large, oblong; skin smooth and of pale lemon color; flesh firm but tender, juicy and sub-acid; very productive. November to February.

YELLOW NEWTOWN PIPPIN—Another variety very successfully grown in California. Large; flesh yellow, firm, crisp, juicy. The best winter apple. December.

ALMONDS

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

Two or more varieties should be planted together to insure pollination.

DRAKE—Spreading habit, very productive and a good pollinizer. Nut medium size, medium soft shell.

I. X. L.—Tree a sturdy, upright grower, with large leaves, nuts large; shells easily, no machine being needed nor is any bleaching necessary; shell soft but perfect. It bears heavily and regularly.

NONPAREIL—Of weeping style of growth, but still forms a beautiful tree. An extraordinary heavy and regular bearer with very thin shell.

APRICOTS

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

BLLENHEIM—An excellent variety and in great demand. The trees are early and regular bearers and have an abundance of foliage thoroughly protecting the fruit. Fruit above medium, oval; orange color, with deep yellow, juicy and rich flesh. July.

HEMSKIRKE—Large, roundish; flesh bright orange, rich and juicy; fruit not quite so large as the Moorpak, but bears more regularly. August.

MOORPARK—Very large, deep yellow fruit which is deep red on the sunny side. Highly flavored and the finest of all apricots for eating. Inclined to shy bearing. July.

ROYAL—A very fine apricot, very extensively planted in this State. Of medium size, yellow with red check; immensely productive; an early ripening variety. June.

California customers please include Sales Tax

CHERRIES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- BING—Fruit large, dark brown or black; very fine. June.
 BLACK TARTARIAN—Very large, bright black. Late June.
 ROYAL ANN (Napoleon Bigarreau)—Very large, amber in color.
 The favorite white cherry. Late June.

CRAB APPLES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- YELLOW SIBERIAN—Fruit is of large size; golden yellow and borne in clusters. An erect, free grower. Bears very young.
 TRANSCENDENT—Fruit large; golden yellow with red check.

FIGS

Price, 4 to 5 feet, 65c each; \$6.00 per 10.

- CALIFORNIA BLACK—A well-known local variety. Large dark purple, almost black when fully ripe. Makes a good dried fig. Tree grows to a very large size, and gives immense yield.
 KADOTA—Fruit medium size, light green skin, well flavored and sweet. In the ripening stage it exudes a drop of sap, which prevents ants entering the fruit. Bears young.

NECTARINES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- BOSTON—Large, deep yellow, with a bright blush and deep mottlings of red; flesh yellow, without any red at the stone. Sweet though not rich, with a pleasant and peculiar flavor. Late July.
 QUETTA—Very large, beautiful, highly colored fruit. Firm and good flavor. Clingstone. August.

ORANGES

Balled 4 to 5 feet 3/4" caliper. \$3.00 each.

- RIVERSIDE WASHINGTON NAVEL—Fruit first-class in every respect; size medium to large, oval, smooth, symmetrical, seedless, pulp fine grained, flavor excellent. A solid, perfect fruit.
 VALENCIA LATE—A vigorous grower, making a handsome tree, early in bearing and very prolific; fruit medium sized, skin thin, light color; flesh deep rich color, fine grained and very juicy. May and June.

LEMONS

Balled 4 to 5 feet 3/4" caliper. \$3.00 each.

- EUREKA—Tree nearly thornless, of rapid growth, and prolific bearer, fruit of the best quality. A general favorite.

LIMES

Balled 4 feet. 5/8" caliper. \$3.00 each.

- BEARSS SEEDLESS—Very large; very juicy with pronounced acidity. Hardy and enormously productive.

POMELOS

(Grape Fruit)

Balled 4 to 5 feet 3/4" caliper. \$3.00 each.

- MARSH'S SEEDLESS—Medium, practically seedless, skin thin and smooth; pulp juicy, of superior flavor, keeps late. A valuable acquisition, its delicious flavor and having no seed should cause it to take the precedence over many other varieties.

PERSIMMON

- HACHIYA—Fruit very large, oblong and pointed; skin bright red and flesh deep yellow. 4 to 6 feet, \$1.50 each.

POMEGRANATES

- WONDERFUL—4 to 5 feet, 60c each; \$5.50 per 10.

QUINCES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- PINEAPPLE—Very fine flavor. Large.

PEACHES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- ALEXANDER—Generally known as the Early Strawberry Peach. Medium size, skin greenish white nearly covered with rich red; flesh white, very juicy, sweet. Early June.
 ELBERTA—Very large, bright yellow with a beautiful red mottled cheek; flesh yellow, juicy and sweet; regular bearer. End of July.
 EARLY CRAWFORD—This is probably the most extensively grown of all peaches. Very large; color yellow, red cheek; flesh yellow, rich, excellent. Very productive. Middle of July.
 J. H. HALE—Large yellow freestone. Highly colored, almost fuzzless. Flesh tender but firm, of excellent quality. August.
 KRUMMEL—A very fine yellow freestone ripening in October when all other peaches are gone.
 LATE CRAWFORD—Very large; yellow with dark red cheek; flesh deep yellow, juicy and melting; of exquisite flavor; valuable for canning and drying. Middle to end of August.
 OPULENT—White fleshed, freestone of excellent flavor ripening in late July or early August.
 PHILLIP'S CLING—Large yellow; flesh firm and clear yellow. September.
 ST. JOHN—An excellent early yellow freestone. Medium size, well colored. Early July.

PEARS

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- BARTLETT—There is no occasion to describe this variety, so well known is it. A vigorous and strong grower. Bears heavily; good for shipping and canning. August.
 BEURRE HARDY—Large, symmetrical and attractive fruit. One of the finest flavored pears. August, September.
 DOYENNE DU COMICE—Large greenish-yellow shaded with crimson. October.
 SECKEL—Quite small; rich yellowish brown; very sweet and productive. September.
 WINTER NELIS—Medium size, roundish, yellowish green, dotted with russet. Fine flavor. November to January.

PLUMS

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- CLIMAX—Very large, heart shaped; skin thick, firm, deep vermilion-red; flesh yellow and very rich. July.
 GREEN GAGE—Small, but of the finest quality; round greenish yellow, with brown dots; juicy and sweet. August.
 HUNGARIAN—Attractive reddish-purple, oval fruit; fine for eating or cooking. August.
 SANTA ROSA—Deep purplish crimson, very large and extremely early. Middle of June.
 SATSUMA—Large; blood-red flesh; of fine flavor.
 TRAGEDY—Large, dark-blue, oval fruit, very sweet and juicy. July.

PRUNES

Price, 4 to 6 feet, 60c each; \$5.50 per 10.

- BURTON—Very large and sweet. Desirable for packing or for eating as fresh fruit. Also a good pollenizer. August, September.
 COATES 1418—Fruits are uniformly large and of excellent quality fresh from tree or dried.
 FRENCH (Petite d'Agen)—This is the prune now grown so extensively and successfully in California for drying purposes; medium-sized; egg-shaped, violet purple; very rich and sugary. Prolific bearer. August.
 SUGAR—An extremely early prune. Very large. Ripens early in August. Skin very tender, at first a light purple, tinted with green, changing at maturity to dark purple, covered with a thick white bloom. Early August.

WALNUTS

- FRANQUETTE—Nut is quite large, of an elongated oval shape and very attractive; kernel full, sweet and of a rich, nutty flavor; a late bloomer. Grafted on California Black Walnut root, 4 to 6 feet, \$1.50 each; \$13.50 per 10.

- PAYNE'S SEEDLING—A large shapely nut; kernel very meaty and rich in flavor. Bears regularly and heavily. Grafted on California Black Walnut root. 4 to 6 feet. \$1.50 each; \$13.50 per 10.

Orders for \$1.00 and over for all items on this page are prepaid within the 4th zone. On orders amounting to less than \$1.00 add 25c to cover cost of postage and packing.

GRAPES

Standard No. 1 grade, 25c each; \$2.00 per 10; 25 for \$4.75.

BLACK HAMBURG—Black, very large and oblong. September.
EMPEROR—Deep rose colored, covered with bloom.

MARAVILLE DE MALAGA (Red Malaga)—Red. September.
Suitable for arbors.

OLIVETTE BLANCHE—Greenish amber, large and elongated.
September.

MUSCAT—Pale amber. August-September.

THOMPSON'S SEEDLESS—Yellow. August. Suitable for arbors.

CONCORD—Black. August. Arbor variety.

ISABELLA REGIA—Bluish black. September. Arbor variety.

NIAGARA—Pale yellow. September. Arbor variety.

STRAWBERRIES

To cultivate the strawberry for family use we recommend planting in beds 4 feet wide, with an alley 2 feet wide between the beds. These beds will accommodate 3 rows of plants, which may stand 15 inches apart each way, and the outside row 9 inches from the alley. To prepare the soil, spade to a good depth and add manure or ground bone. To obtain large, highly flavored berries pinch off the runners as they appear. Early planting is preferable. Write for quantity prices.

BANNER—One of the best and most popular strawberries. In mild climates it produces fruit from March to December. Our plants are the "Genuine Banner." Extra large, well rooted plants, 35c per doz.; \$2.50 per 100.

MARSHALL—Of enormous size, blood red color, rich aromatic flavor. 35c per dozen; \$2.50 per 100.

NICK OHMER—Heavily productive of large shiny berries which have excellent keeping qualities. 35c per doz.; \$2.50 per 100.

CURRANTS

2-year-old No. 1 plants, 25c each; 5 for \$1.00.

Plant Currants and Gooseberries in rows 5 to 6 feet apart and 2 to 3 feet apart in the row. Trim out the old wood as it begins to decline and shorten the young shoots in spring as may be desired. A good soil is required which must be kept rich and well worked. Sprinkle wood ashes around the roots occasionally to keep the borers away.

CHERRY CURRANT—Very large, deep red.

GOOSEBERRIES

2-year-old No. 1 plants, 25c each; 5 for \$1.00.

CHAMPION—Berries large and brownish red; very sweet and fine for table use and pies. Strong grower; prolific bearer.

ASPARAGUS

Extra Selected Roots

MARY WASHINGTON—Large dark green shoots with purple tips. 35c per doz., \$2.50 per 100.

PARADISE—A new variety, widely heralded as an unusually heavy producer of finer flavored Asparagus. 50c per doz., \$3.50 per 100.

Note—If interested in purchasing roots by the thousand for acreage planting, please write for prices.

HORSERADISH

January to May delivery. Roots: 35c per doz.; \$2.50 per 100.

BERRIES

Plant trellis varieties 6 to 8 feet apart each way. (Boysen 8 feet.) Provide a trellis 4 to 5 feet high. Vines may be left on the ground the first season and trellised any time after the canes are long enough. To make picking easy keep new growth cut off at the ground after the first season. When the crop is picked cut off all old wood, back to the ground, and later, train new growth on the trellis. In the spring, spray with a Dry Lime Sulphur solution. For best results, irrigate thoroughly at regular intervals (about once a week during fruiting season). Keep all berries well fertilized.

TRELLIS VARIETIES

BOYSEN BERRY—This berry will be the pride of your garden. It is a very large, dark red berry, highly flavored and contains few seeds. Excellent for canning and for shipping. We consider it the best all purpose berry on the market today. Strong tip roots 25c each; 10 for \$2.00; 25 for \$4.25; \$12.00 per 100.

YOUNGBERRY—Large, luscious berries which are rich, sweet and juicy, yet firm and with but few seeds. It produces an abundance of fruit, is early and of excellent quality. Next to Boysen, this seems to be the best one in its class. Strong tip roots 15c each; 6 for 75c; 25 for \$2.50.

LOGANBERRY (Raspberry-Blackberry)—The fruit is often an inch and a quarter long, dark red, the shape of a blackberry, the color of a raspberry and the flavor of both. The vines are strong growers and the yield is exceeding heavy. Strong tip roots, 15c each; 6 for 75c; 25 for \$2.50.

MACATAWA—A fine bush variety for home garden or commercial use; requires no support after the first year, and succeeds under varied soil and adverse conditions. Bears a heavy crop of sweet, firm berries during June and July; and a lighter crop again in the fall. Plant 5 feet apart in rows 8 feet apart. 15c each; 6 for 75c; 25 for \$2.50.

NEW KOSMO BLACKBERRY (Patent)—The large berries are 1½ inches in length, jet black, very sweet and juicy. The seeds and core are almost non-existent; heavy bearer. Strong tip roots 20c each; 5 for 90c; 25 for \$3.75.

RASPBERRIES

Plant in rows 5 to 6 feet apart, 2 to 4 feet in the row. After the fruit season, cut out all the old wood which bore the last crop of fruit. Pinch the vigorous young shoots several times during the summer. They will then branch and grow stout enough to stand without staking.

LLOYD GEORGE—A new English variety, the largest red raspberry grown. It bears a good spring crop of luscious, juicy fruit with very small seeds, and a second crop in September-October. A most desirable berry for home use and for local market, but of too fine quality to be a good shipper. Fertilize and keep well watered. Each, 25c; 5 for \$1.00; 25 for \$4.00.

RANIERE (St. Regis)—The most popular everbearing red raspberry. It commences to bear a crop of large bright crimson berries of the finest quality in June and begins again in September and bears continuously until Christmas. Strong roots, 15c each; 6 for 75c; 25 for \$2.50.

BLACK CAP—Medium sized glossy black fruit. 15c each; 6 for 75c; 25 for \$2.50.

RHUBARB

CHERRY GIANT—The most popular rhubarb grown today. It is less acid and more highly flavored than other sorts. The bright cherry-red stems are very large and so tender they do not require peeling when cooked. Four plants well cared for will supply sufficient rhubarb for the average family. It does not come true from seed. Plant 4 feet apart. Strong, rooted divisions: 30c each; 4 roots, \$1.00; 10 roots, \$2.25; 25 roots, \$4.25.

DAHLIAS

Although Dahlias are easily grown in any good garden soil they respond readily to good cultivation. Prepare the soil by digging 12 to 18 inches deep and working in a moderate amount of well rotted manure or commercial fertilizer. Plant the bulbs $2\frac{1}{2}$ to 3 feet apart at a depth of 5 or 6 inches. Give them just enough water when above ground to keep them growing slowly. Apply fertilizers and water in quantities only after the plant begins to bud. Dahlias may be planted from March to July, preferably in May.



Pompon Dahlias

MINIATURE DAHLIAS

Miniatures are the same type as the large varieties but measure less than 3 inches in diameter. They are very dainty, bloom profusely and have splendid keeping qualities.

BABY ROYAL (C.)—Salmon-pink shaded apricot. 50c each.

CORONNE (D.)—Pure white. 50c each.

ELIZABETH PAPE (D.)—Rosy salmon-pink. 50c each.

ETHEL CRAVENS (Duplex)—Clear rose pink with long stems. 35c each.

GOLDEN CALIFORNIA (C.)—Yellow and amber with salmon shadings. A low growing variety. 75c each.

LITTLE JEWEL (D.)—Clear delicate pink. 35c each.

PEYTIE CONWAY (D.)—Violet rose with petals tipped silver. 75c each.

PERSIMMON (D.)—The color is as the name implies, a soft russet orange. 75c each.

Collection of one each of the above 8 sorts, \$3.95.

Orders for Dahlias amounting to \$1.00 and over are prepaid within the fourth zone. Add 15c to cover postage and handling charges on orders for Dahlias for less than \$1.00.

POMPON DAHLIAS

This class produces small double flowers in great profusion. Splendid for cutting, excellent keeping qualities.

25c each; \$2.50 per dozen.

(6 for \$1.35)

AIMEE—Bronze, small blossoms with long stems.

AMBER QUEEN—Deep amber.

ATOM—Orange, very small, free bloomer.

DEE DEE—Pure lavender, dainty and small.

GIRLIE—Pinkish mauve.

GLOW—Coral-rose.

GOLDBLOCKS—Pure gold.

JOE FETTE—Pure white.

LITTLE DAVID—Pure orange, perfect form.

MARY MUNNS—Purple.

MIKE—Small dainty flowers of bright orange-searlet. Stems are long and erect.

ROSA WILMOUTH—Rose-pink.

TOMMY KEITH—Small crimson flowers tipped white.

TAKA'S PURPLE—Bright Phlox-purple with long stems.

YELLOW GEM—A fine yellow sort.

35c each; \$3.50 per dozen.

(6 for \$1.90)

BANTAM—Brownish red.

DOLORES—Pretty deep pink of one tone.

HONEY—Light yellow with suffusion of red.

LITTLE SUNSHINE—Light gold.

MINNIE MELLOWS—Orchid rose, flushed deep orchid.

TAKA'S YELLOW—Deep yellow flowers; a splendid variety for cutting.

50c each; \$5.00 per dozen.

(6 for \$2.75)

BETTY ANN—Lovely soft violet rose; fine wiry stems.

DONNY—Small orange colored flowers.

ELIZABETH ANN—Peach rose and gold.

LIBBIE ROHR—Cerise purple; long stems.

MISS DAINTY—Soft, delicate pink on white background.

LARGE FLOWERED DAHLIAS

(C.) denotes Cactus type; (H. C.) Hybrid Cactus; (D.) Decorative.

- AL KORAN (D.)—Bright yellow deepening to amber. Large flowers on tall strong stems. **50c each.**
- AMBASSADOR (C.)—Soft yellow suffused salmon-pink, large flowers on strong stems. **50c each.**
- AMERICAN TRIUMPH (C.)—Large bright red flowers on strong stems. **50c each.**
- AMUN RA (D.)—A decorative of immense size and a beautiful shade of coppery-orange. The stems are long and stiff and the flowers have splendid keeping qualities. **35c each.**
- BALLET GIRL (C.)—Very attractive. Orange, splashed and tipped with white, perfect formation. **50c each.**
- CAMPFIRE GLOW (C.)—Bright crimson, large flowers on strong stems. **50c each.**
- CHAMPAGNE (D.)—Color is a golden champagne with chamols shadings. Immense blooms with good stems. **50c each.**
- DR. TEVIS (D.)—A beautiful shade of soft salmon-rose, suffused with old gold shading to a golden-apricot center. The immense flowers are held erect on strong, long stems. **35c each.**
- EAGLE ROCK FANTASY (D.)—Beautiful pink of immense size, with good stems. **75c each.**
- ELLINOR VANDERVEER (D.)—Large flowers, satiny rose-pink, good stems. **35c each.**
- FAITH GARIBALDI (D.)—Silvery pink, very large perfect flowers. **50c each.**
- GOLDEN WEST (H. C.)—Old gold color. Fine stems and good keeping flowers. **35c each.**
- JANE COWL (D.)—Glistening bronzy buff and old gold. Very large flowers held erect on long stems. **50c each.**
- JEAN CHAZOT (C.)—Golden bronze suffused Nasturtium-red. **50c each.**
- JERSEY BEACON (D.)—Chinese scarlet with lighter reverse. **50c each.**
- JERSEY BEAUTY (D.)—A perfect bloom of a salmon-rose color carried on a long stiff stem. **50c each.**
- KITTY DUNLAP (D.)—It is of the delightful shade of the American Beauty rose. The formation of the flower is perfect, with long stiff stems. **50c each.**
- LA FAVORITA (H. C.)—Brilliant orange-salmon. **50c each.**



Cactus Dahlia

- LILLIAN SHERIDAN (H. C.)—Orange shaded yellow, with gold tipped petals. **50c each.**
- MISS CALIFORNIA (D.)—Large, bright rose flowers with mauve tint. Good stem. **50c each.**
- MISSION BELLE (D.)—Immense blooms of old rose and pale lavender. Long, erect stems. **50c each.**
- MONMOUTH CHAMPION (D.)—Brilliant orange-scarlet flowers of very large size on strong stems. **50c each.**
- MRS. CARL SALBACH (D.)—The best lavender-pink; very large flowers on long stiff stems. **35c each.**
- OMAR KHAYYAM (D.)—Large blooms of Chinese red, shading to bright orange at the tips of the petals. **50c each.**
- PRIDE OF CALIFORNIA (D.)—This is the best red decorative for all purposes. Long stiff stems and splendid keeping qualities when cut. **35c each.**
- SATAN (C.)—Flame red with a touch of gold at the center. A very beautiful and popular dahlia. **\$1.00 each.**
- SALBACH'S WHITE (D.)—Pure white with fine strong stems. **50c each.**
- SUSAN G. TEVIS (D.)—Deep lilac with a bluish sheen. Very large flowers on erect stems. **50c each.**
- TOMMY ATKINS (D.)—Flaming scarlet flowers on long stiff stems. **50c each.**
- TREASURE ISLAND (D.)—Bright apricot with gold and rose suffusion; good stem. **50c each.**



Decorative Dahlia

COLLECTION OF DAHLIAS

6 varieties listed at 35c each for.....	\$1.90
12 varieties listed at 35c each for.....	3.50
6 varieties listed at 50c each for.....	2.75
12 varieties listed at 50c each for.....	5.00

Orders for Dahlias amounting to \$1.00 and over are pre-paid within the 4th zone. Add 15c to cover cost of postage and packing on orders for Dahlias for less than \$1.00.

HALLAWELL'S GLADIOLUS

Six of a kind at the dozen rate; 50 at the hundred rate;
500 at the thousand rate.

(Postpaid within Fourth Zone)

The culture of the Gladiolus is one of the easiest. Set the bulbs about 3 inches deep and 7 or 8 inches apart each way. Any good garden soil will make strong plants and good bloom, but for the finest results use manure and plenty of water. After the flowers are past, dig the bulbs up and dry them under cover in the open air for a month and then store in dry soil till next winter, when they may be reset. From December to April are the months in which to plant Gladiolus.

Select Named Sorts

AFLAME—A very beautiful Gladiolus of exquisite flame-pink color. Flowers are large and well placed. 75c per 12; \$5.00 per 100; \$40.00 per 1000.

ALBATROSS—A most desirable white. Tall, graceful spikes of large well placed pure white flowers. 85c per 12; \$6.00 per 100; \$55.00 per 1000.

BAGDAD—A charming Gladiolus of smoky old-rose. The throat is lighter and color deepens toward the edge of petals. 85c per 12; \$6.00 per 100; \$50.00 per 1000.

BETTY NUTHALL—Beautiful orange-pink, with soft yellow throat and a light feathering of carmine. Eight or more blossoms open at one time on tall, strong stems. 50c per doz.; \$3.50 per 100; \$32.50 per 1000.

BLEEDING HEART—Lovely light pink with contrasting large red blotch. A beautiful Gladiolus for flower arrangements. 60c per 12; \$4.00 per 100; \$37.50 per 1000.

BLUE TRIUMPHATOR—A new, clear light blue with large, well placed flowers. One of the finest of recent introductions. 85c per 12; \$6.00 per 100; \$50.00 per 1000.

COMMANDER KOEHL: Huge spikes with large, wide open blooms of brilliant, deep scarlet-red, with no markings or blotches. Six to seven florets open at one time. 10c each; 3 for 25c; 75c per doz.; \$5.50 per 100; \$50.00 per 1000.

CORYPHEE—A beautiful clear wax-like pink; florets large, round and well formed; tall. 10c each; 3 for 20c; 60c per doz.; \$4.00 per 100; \$37.50 per 1000.

DR. F. E. BENNETT—Very large, brilliant flame-scarlet. Many open at one time on tall, strong stems. 50c per doz.; \$3.50 per 100; \$32.50 per 1000.

GOLDEN DREAM—A clear, deep golden yellow, of splendid substance; very tall. Many open at one time. 50c per doz.; \$3.50 per 100; \$32.50 per 1000.

MAMMOTH WHITE—Immense pure white; five or six florets open at one time; tall spike. 10c each; 3 for 25c; 75c per doz.; \$5.00 per 100; \$45.00 per 1000.

MARMORA—A most unusual shade of lavender-gray with a pale purplish blotch. Impressive spikes with eight to ten large blossoms open at one time. 60c per doz.; \$4.00 per 100; \$35.00 per 1000.

MINUET—Pure clear lavender of good size and heavy substance. 65c per doz.; \$4.50 per 100; \$42.50 per 1000.

MOTHER MACHREE—Lavender-gray with edges of petals overlaid salmon-pink. Six to eight large blossoms open at one time. 60c per doz.; \$4.00 per 100; \$37.50 per 1000.

MRS. LEON DOUGLASS—Immense blooms of luminous coral-rose marked with vivid splashes of rich ruby, very tall spikes and an exceptionally strong grower. 50c per doz.; \$3.50 per 100; \$32.50 per 1000.

MRS. P. W. SISSON—Lovely, soft cameo-pink, flowers forming a handsome spike. 50c per 12; \$3.50 per 100; \$32.50 per 1000.

MRS. W. H. PHIPPS—Huge flesh-pink flowers on extra tall spikes. Usually a dozen or more perfect flowers are open at one time. 50c per 12; \$3.50 per 100; \$32.50 per 1000.

PELEGRINA—Dark violet-blue, blotched slightly darker on two lower petals. One of the finest in the dark-blue shades. 85c per 12; \$6.00 per 100; \$50.00 per 1000.



PFITZER'S TRIUMPH—Enormous flowers of bright flaming salmon with a cherry blotch in the throat. A most striking variety. 50c per doz.; \$3.50 per 100; \$32.50 per 1000.

PICARDY—A most sensational flower of delicate apricot-pink. Many extremely large florets open at one time. 60c per doz.; \$4.00 per 100; \$35.00 per 1000.

TROUBADOUR—An outstanding purple Gladiolus which was featured at the recent Chicago Exposition and attracted much attention. 65c per 12; \$4.50 per 100; \$40.00 per 1000.

WASAGA—Wide open, waved flowers of rich, golden-buff color. Beautiful in artistic flower arrangements. 85c per 12; \$6.00 per 100; \$50.00 per 1000.

WUERTEMBURGIA—Brilliant scarlet with contrasting cream blotch. One of the best Pfitzer introductions and an Exposition favorite. 85c per 12; \$6.00 per 100; \$50.00 per 1000.

Collection of one of each of the above 23 varieties for \$2.25.

RAINBOW MIXTURE—A mixture of large flowering gladiolus in a good variety of colors. 40c per doz.; \$3.00 per 100; \$22.50 per 1000.

EXTRA SELECT MIXTURE—Made up from best named sorts. 65c per doz.; \$4.25 per 100; \$35.00 per 1000.

MISCELLANEOUS BULBS

WE GENERALLY HAVE THE FOLLOWING VARIETIES
IN STOCK FROM DECEMBER TO FEBRUARY

Postpaid within the fourth zone, except on orders for less than \$1.00 a handling charge of 15c is to be included.

AMARYLLIS

(Hippeastrum)

VITTATA HYBRIDS—This is pre-eminently a window garden plant producing under simplest conditions, one or two spikes which are crowned with from 3 to 6 gigantic blooms, ranging in color from pure white grounds with varied markings of rose or red to self colors as crimson, scarlet, cerise, etc.

Red shades: 65c each; \$7.00 per 12.

Assorted shades: 60c each; \$6.00 per 12.

BEGONIA

TUBEROUS ROOTED

With the introduction of many new, large flowered sorts, the Begonia has become one of the most popular flowers for pot plants, and for bedding in partial shade. Many gorgeous and delightful colors are now available from the best hybridized seed.

Our Begonia tubers are grown under normal conditions without over-fertilization, and satisfactory results may be expected from them. Cultural leaflet on request.

SINGLE FLOWERED

Blood Red, Burnt Orange, Deep Pink, Light Pink, Salmon, White, Yellow. Large Tubers, 20c each; \$2.00 per doz.; \$15.00 per 100.

SINGLE FRILLED

Crimson, Orange, Deep Pink, Light Pink, Salmon, White, Yellow. Large Tubers, 20c each; \$2.00 per doz.; \$15.00 per 100.

DOUBLE CAMELLIA TYPE

Apricot, Blood Red, Copper, Deep Pink, Light Pink, Orange, White, Yellow. Large Tubers, 20c each; \$2.00 per doz.; \$15.00 per 100. Smaller Tubers, 15c each; \$1.50 per doz.; \$10.00 per 100.

CRESTED OR BEARDED

In assorted colors only. 20c each; \$2.00 per doz.; \$15.00 per 100.

TRAILING DOUBLE BEGONIAS

For hanging baskets, wall pockets and pots. Apricot, Blood Red, Orange, Rose, White, Yellow. 20c each; \$2.00 per doz.

CARNATION FLOWERED

Assorted colors only. 20c each; \$2.00 per doz.; \$15.00 per 100.

DUPLEX TYPE

Assorted colors only. 20c each; \$2.00 per doz.; \$15.00 per 100.

Any of the above 6 at the dozen rate; 50 at 100 rate.



Begonia, Single Frilled



Tigridia (Tiger Flower)

TIGRIDIA

(Tiger Flower)

Gorgeously colored summer flowering bulbs. The blossoms are short-lived but are produced continuously during the summer. Plant 2 to 3 inches deep and 4 to 8 inches apart. Place sand under the bulb to afford drainage and plant in a sunny position.

Bright Red, Orange, Yellow, Rose-Pink, and White. 15c each; \$1.50 per doz.; \$11.00 per 100.

GLOXINIA

Beautiful pot plants for greenhouse culture. The magnificent tube-shaped flowers measure 3 to 4 inches across.

Crimson-Scarlet, Pink, Violet, Deep Violet with white edge, Scarlet with white border.

Any of the above: 30c each; \$3.00 per doz.; \$22.50 per 100.

LILIES

The following varieties are benefited by shade about the roots but do not do well with shade about their heads, so should be planted among fairly dwarf growing shrubs or plants. Plant bulbs nine inches deep and about one foot apart. Water only lightly until they are well rooted but liberally when they are about to bloom. Keep free from aphid or green fly at all times.

AURATUM—The grandest of all hardy lilies, with large graceful flowers of a delicate ivory-white color thickly studded with chocolate-crimson spots, and a bright golden band through the center of each petal. 20c each; \$2.00 per doz.; \$15.00 per 100. Extra large, 25c each; \$2.50 per doz.; \$18.00 per 100.

AURATUM PLATYPHYLLUM—Similar to Auratum but larger and not so many blooms. 30c each; \$3.00 per doz.; \$22.50 per 100. Extra large, 35c each; \$4.00 per doz.; \$30.00 per 100.

HENRYII (The Yellow Speciosum)—The flowers are a rich apricot-yellow with a few brown spots; grows 3 to 5 feet high; very hardy and free flowering. 20c each; \$2.00 per doz.

SPECIOSUM RUBRUM. (Pink Tiger Lily)—White, shaded rose and spotted deep red. 25c each; \$2.50 per doz.; \$15.00 per 100.

SPECIOSUM RUBRUM MAGNIFICUM—This variety is similar to the Rubrum, but is deeper crimson. 25c each; \$2.50 per doz.

TIGRINUM GIGANTEUM. (Improved Tiger Lily)—Orange, spotted black. 15c each; \$1.75 per doz.; \$11.00 per 100.

LILY OF THE VALLEY—Pure white, bell-shaped, fragrant flowers with pale green foliage. Potting and Forcing type, \$1.75 per doz.; \$12.00 per 100.

Clumps for Outdoor Growing: 50c each; \$5.50 per doz.

YELLOW CALLA LILY

(Elliottiana)

The true yellow-flowered Calla. The flowers are bright yellow and the foliage dark green, spotted white. 25c each; \$2.50 per doz.; \$17.50 per 100. Extra select. 35c each; \$3.50 per doz.; \$24.50 per 100.

SPRAYING **ACME** MATERIALS

Postage Extra—See Parcel Post Rates on page 54.

ACME APHIS SPRAY



Black Leaf 40 combined with Fish Oil Soap makes this the finest of insecticides for the control of aphis, thrip, leafhopper, and many other sucking insects preying on the plants in your garden. Simple to use—just squeeze direct into the sprayer from the handy tube, shake sprayer, then spray. 3 oz. tube, 35c; 12 oz. can, \$1.00; 2½ lb. can, \$2.25.

ACME BAIT-M

A high grade prepared insecticide bait control for snails, slugs, cutworms, and grasshoppers. Scatter on the ground around the plants to be protected. Do not apply on the plants. 1½ lb. carton, 25c; 4 lb. carton, 60c.

ACME GARDEN GUARD



A non-poisonous insecticide and fungicide for use as a dust. Controls all sucking and chewing insects, red spiders, corn-ear worms, beetles, squash bugs and ants. 1 lb. pkg. with sifter top, 40c; 4 lb. bag, 85c.

ACME KOPPER KING

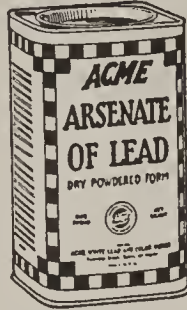
Fungicide used for the same purposes as Bordeaux Mixture. A basic copper sulphate with 4 times the strength of Bordeaux Mixture, but which can be used without danger of burning foliage. One pound makes 25 gallons of spray. 1 lb., 35c; 4 lb. bag, 85c.

ACME DRY LIME SULPHUR



During the dormant season spray peaches, plums, grapes, dormant shrubs, etc., for control of leaf curl, oozing sap, twig borer, and all fungus. Also effective as a dormant spray for control of scale on deciduous trees and shrubs; and roses. Use 10 to 12 tablespoonfuls to 1 gallon of water and apply plentifully from tips of branches to the ground, including the trunk. Two applications during the winter are very beneficial. 1 lb., 35c; 5 lbs., \$1.45; 12½ lb. bag, \$2.00.

ACME ARSENATE OF LEAD

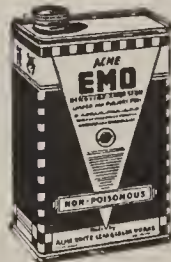


Controls leaf eating insects such as Rose Worms, Green Worms, and Cherry or Pear Slugs. Use 2 heaping tablespoons to a gallon of water and spray at 10 to 15 day intervals. Spray also with the same strength solution for the control of the Codlin Moth, which is the cause of wormy apples; the first spraying as soon as the blossoms fall and again 3 and 10 weeks after that time. For dusting, mix 1 part with 5 parts of lime. 1 lb., 35c; 4 lb. bag, 85c.

ACME CALCIUM ARSENATE

Used principally for mixing with bran for the control of snails and slugs. 1 lb., 30c; 4 lb. bag, 65c.

ACME EMO

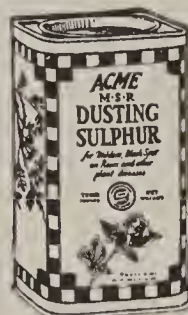


A high grade free flowing oil emulsion for use on nursery stock, trees, and shrubs, to control scale, mealy bug, red spider, and mites. Spray at 15-day intervals until control is effected, using 6 to 8 tablespoons to a gallon of water. 8 ozs., 30c; pint, 50c; quart, 75c; gallon, \$2.00; 5 gallons, \$5.00.

ACME SPRAY SOAP

A refined fish oil soap which is much less likely to injure foliage than ordinary soap. Can be used alone in the control of aphids and certain other sucking insects, or combined with nicotine sulphate. May also be used as the emulsifying agent in oil sprays. 1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25.

ACME DUSTING SULPHUR



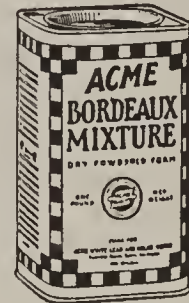
An improved, finely powdered sulphur packed in a sifter-top can for convenient use in controlling mildew, leaf spot, black spot, rust, and red spider. Specially prepared to prevent lumping, and to make it more adhesive. 3 lb. carton, 35c.

ACME ANT-KILL



The safety cups will not tip over when anchoring device is in place. Safe around children and pets. The syrup attracts the worker ants which carry it to the nest, destroying the entire colony. COTTAGE SET containing a 3 oz. bottle of syrup and 5 safety service cups; each, 60c.

ACME BORDEAUX MIXTURE



To prevent and control mildew, blight, pear scab and other fungus ailments. Spray young tomato plants with Bordeaux to assist in the prevention of tomato blight, also apply solution to roots of tomato plants in advanced stages of blight. It does not burn the foliage, and may be used as a spray during the growing season without injury to the plants. 1 lb., 35c; 4 lb. bag, 75c.

ACME DAWG-GONE

Repels dogs—keeps them away from trees, shrubs, and other places. Suspend the tube from the shrub with the cap and cork removed, and the slowly escaping odor will keep the dogs away. It is necessary to use but one tube to a group of shrubs unless a specimen is standing alone. Effective for several weeks regardless of weather. Tubes, 25c each.

ACME EMO-NIK



An improved general garden spray combining oil emulsion, nicotine in its most active form, and whale oil soap. Controls aphis, mealy bug, scale, red spider, thrip, white fly, rust mites, and mildew. Use 4 to 8 tablespoons to a gallon of water. 4½ ozs., 35c; pint, 65c; quart, \$1.00; gallon, \$2.50; 5 gallons, \$9.25.

ACME PARIS GREEN

A powerful and quick acting insecticide, used in preparing poison baits for the control of grasshoppers, cutworms, and sow bugs. 1 lb., 50c; 5 lb. carton, \$2.25.

INSECTICIDES AND FUNGICIDES

General List

Insecticides are quoted f. o. b. San Francisco, Calif., and prices are subject to change without notice. All items are mailable unless noted otherwise. Unmailable items will be shipped by express.

ANT POWDER (Antrol)—An effective way of destroying ants and silver fish by dusting powder on their trails. 1¼ oz. shaker top can, 15c; 3 oz. shaker top can, 30c.

ANTROL ANT TRAP—Contains two kinds of specially prepared material which kills both sweet and grease eating ants. May be used inside or outside the house. Each, 10c.



ANTROL ANT SYRUP—Kills ants in their nest! A scientific method which is reliable, economical, permanent, and safe. Place the glass containers at intervals around the house and in the garden. Wash the containers frequently, using only a small amount of syrup at each retilling. Prices and shipping weights: 4 oz. bottle, 20c; pint, 50c; (2½ lbs.); quart, 90c; (4½ lbs.); gallon, \$2.75 (12 lbs.). Postage extra.

Glass Containers—10c each, \$1.00 per doz. Shipping weight, 1 doz., 2 lbs.

APHIS SPRAY (Acme)—See opposite page.

ARSENATE OF LEAD (Acme)—See opposite page.

BARFOOT GARDEN INSECTICIDE—A non-poisonous spray especially recommended for the control of Gladiolus Thrips. Also controls aphids, thrips, beetles, red spider, rose and pear slugs and many kinds of worms. Use 1 teaspoonful to 1 gallon of water. 1½ ozs., 40c; 1 pint, \$2.50; gallon, \$15.00.

"BLACK LEAF 40"—A concentrated nicotine solution for aphids and thrip. Most effective when mixed with whale oil soap. 1 oz. bottle, 35c; 5 oz. bottle, \$1.00; 1 lb., \$2.25; 2 lbs., \$3.25; 5 lbs., \$5.85; 10 lbs., \$10.60.

BORDEAUX MIXTURE (Acme)—See opposite page.

BORDELO—For leaf spot and mildew on roses and other plants; leaves no stains. Spray before disease starts, using 8 tablespoons to a gallon of water. 6 ozs., 35c; pint, 60c; quart, \$1.00.

CALCIUM ARSENATE (Acme)—See opposite page.

CYANOGEN—For destroying gophers, moles, and wire worms. 1 lb., 75c; 5 lbs., \$2.50. (Unmailable.)

DOG REPELLENT (Acme Dawg-Gone)—Opposite page.

EVER GREEN (New)—A highly effective, non-poisonous spray for aphids, thrips, mealy bug, white fly, beetles, cabbage worms and many other insects. One oz. bottle, 35c; 6-oz. can, \$1.00; 16-oz. can, \$2.00; 1-gal. can, \$11.00.

GARDEN CALTOX—For the control of diabrotica beetles. This beetle is controlled readily by dusting the plants thoroughly once or twice with this dust. Also controls other chewing insects. 6 ozs., 35c; 1 lb., 75c.

GARDEN GUARD (Acme)—See opposite page.

IRON OXIDE (Metco)—Specially prepared for the control of snails and slugs. Destroys by contact and is non-poisonous. 5 lbs., 35c; 10 lbs., 65c; 20 lbs., \$1.15; 100 lbs., \$3.75.

LETHANE 440—A most effective contact spray for control of all sucking insects, mealy bug, white fly, aphids, scale, thrips, red spider, etc. Also kills the eggs. May be combined with most other insecticides without injury. Best results are obtained when used in combination also with Lethane Spreader. Excellent for greenhouse use. 2 ozs., 35c; 6 ozs., \$1.00; pint, \$2.00.

LETHANE SPREADER—Quart, 75c; gallon, \$2.00.

LIME HYDRATED—10-lb. package, 35c; 50 lbs., \$1.00.

LIME SULPHUR (Acme)—See opposite page.

NICO-FUME TOBACCO PAPER—Strongly saturated with nicotine. Merely suspend from bench and light lower end. One sheet is necessary to treat 2,000 cubic feet. Air-tight dated can of 24 sheets, \$1.25, postpaid, \$1.35; 144 sheets, \$4.50, postpaid, \$4.65.

OIL EMULSION (Acme Emo)—See opposite page.

PARA-DICHLORO-BENZENE—For Peach Tree Borer which attacks roots of nearly all stone fruits. Apply 1 oz. per tree in fall or spring. Circular sent with each tin or on request. 1 lb., 60c.

PARIS GREEN (Acme)—Opposite page.

POMO-GREEN WITH NICOTINE—A combined insecticide and fungicide, for the control of black spot and mildew on roses and flowering plants; kills both leaf eating insects and aphids. This very fine powder is leaf-green and is never unsightly on plants. May be dusted directly on plant or mixed with water and sprayed. 1 lb., 75c; 5 lbs., \$3.00.

PESTEX—A meal poison for the control of snails, slugs and cut worms. 2 lbs., 35c; 5 lbs., 75c; 15 lbs., \$1.95.

QUA-SUL—A sulphur carbon combination. A good remedy for fungoid diseases. 4 oz. bottle, 25c; 8-oz. bottle, 40c; 1 quart, \$1.00; 1-gal. can, \$3.50.

RED ARROW—A highly effective, non-poisonous spray for aphids, red spider, mealy bug and many other insects. 1 oz. bottle, 35c; 4-oz. bottle, \$1.00; 1 pint, \$2.75; 1 quart, \$4.50.

SEMESAN (Du Pont)—A mercuric disinfectant for the control of diseases of seeds, bulbs, roots and tubers, also for damping off control. For treating brown patch drench the lawn with a solution of 1 level tablespoonful to 1 gallon of water or 1 lb. to 48 gallons. 2 ozs., 35c; 1 lb., \$2.25; 5 lbs., \$10.00.

SNAROL—For the control of snails, cutworms, grasshoppers, etc. Snarol is a ready prepared meal that you simply broadcast on the ground under the vegetation. The pests eat the meal and are quickly destroyed.



Snarol will not deteriorate from rain or sprinkling and also is non-injurious to vegetation when used according to simple directions. These features distinguish it from ordinary controls and make Snarol popular with professional gardeners and nurserymen. 1½ lb. package, 25c; 4 lb. package, 60c; 15 lb. bag, \$1.95; 50 lb. bag, \$4.75. Postage extra.

SOW BUG CONTROL—The most effective material for killing these pests. It is a dry powder which must be scattered over fairly dry ground, near but away from the plants. As it dissolves in water it is necessary to refrain from watering for 24 hours after applying. 1 lb., 50c; 5 lbs., \$2.00.

SPRAY SOAP (Acme)—See opposite page.

SULPHUR (Acme)—Listed on opposite page.

TOBACCO DUST—A very fine grade which contains over ¾ of 1 per cent nicotine. 1 lb., 15c; 2 lbs., 25c; 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$2.00; 100 lbs., \$7.00.

TREE TANGLEFOOT—A sticky substance applied directly to bark of trees for protecting them against ants and climbing insect pests. One application remains sticky on the trees for three months. Easily applied. One pound will spread 8 feet long by 5 inches wide. 6 ozs., 35c; 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.65.

VAPORITE—A non-poisonous insecticide which when well mixed with the soil gives off a vapor which destroys and repels cut worms, wire worms and all other insects in the soil. Broadcast and dig in 1 lb. to every 50 square feet. 1-lb. to 9-lb. lots at 35c per lb.; 10-lb. to 24-lb. lots at 29c per lb. Prices on larger quantities on application. (Unmailable.)

VOLCK "NURSERY"—A penetrating oil spray for the control of mealy bugs, scale insects, white flies, rust mites and red spiders. Pint, 50c; makes 4 gallons of spray; quart, 75c; gallon, \$2.00; 5 gallons, \$5.00.

VOLCK "GREEN HOUSE"—Quart, 75c; gallon, \$2.00.

VOLCK "GARDEN"—A combination spray containing Volck, nicotine and soap for the control of mealy bug, scale, red spider, white fly, aphids and their eggs and mildew. 3½ ozs., 35c; pint, 85c; quart, \$1.25; gallon, \$3.00.

WHALE OIL LIQUID SOAP (Mapco)—6 ozs., 25c; pint, 35c; quart, 50c; ½ gallon, 90c; gallon, \$1.50.

WORM ERADICATOR or KILLER—Drives angle worms out of the ground and kills them. Is harmless to vegetation, being somewhat of a fertilizer. Use 10 lbs. per 180 square feet. 2 lbs., 25c; 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.50.

WEED KILLERS

ACME WEED KILLER—A quick acting arsenical weed killer for destroying weeds and all plant life on driveways, tennis courts, etc. No plant life will grow for several years on treated areas. Pint, 35c; Quart, 50c; Gallon, \$1.50.

PENTOX—Kills morning glory and certain other perennial weeds. Application should be made when plants are matured. A liquid chemical which is diluted at the rate of 1 part to 50 parts of water and sprayed on the plant. One-half gallon will cover an area of 800 square feet. Dandelions, plantain, etc., in lawns can be killed by placing a few drops of Pentox diluted 1 part to 10 parts of water, in the center of each plant. ½ gallon, \$2.00. (Unmailable.)

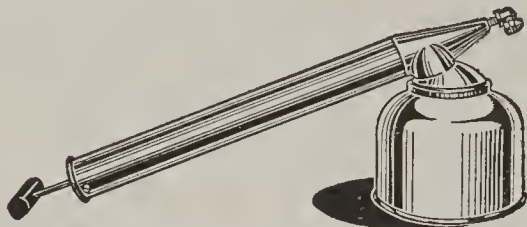
SPRAYERS

Prices F. O. B. San Francisco except where stated, and subject to change without notice
(Articles marked postpaid include delivery within the 3rd zone)

HAND SPRAYERS

BROWN'S CONTINUOUS No. 335—New Dome Top style with seamless brass pump, brass valve, and copper tank. Wide mouth makes filling easy; capacity one quart. A one-quarter turn locks or unlocks the tank. **\$2.25 each; \$2.35 postpaid.**

BROWN'S CONTINUOUS No. 315—Same Dome Top style as the above, but with tin pump and tank. **\$1.00 each; \$1.10 postpaid.**



Brown's Continuous Sprayer

BROWN'S CONTINUOUS No. 26BG—Tin pump with brass cone, jar cap and glass reservoir. **\$1.35 each; \$1.45 postpaid.**

BROWN'S No. 14—Atomizer type with the one-quarter turn locking feature. One quart tin tank with single action tin pump. **50c each; 60c postpaid.**

BROWN'S DU-SPRAY—A pint size continuous sprayer for household purposes. Tin tank, lithographed tin pump, and brass valve and pump-head. **75c each; 85c postpaid.**

PORTABLE SPRAYER

BROWN'S "MIGHTY" WHEELBARROW SPRAYER—A new type wheelbarrow sprayer made with narrow, oval shaped bucket; excellent for use in the greenhouse or where the rows are set close together. Overall width of machine is only 15 inches. Built with two wheels for great stability. Bucket is of extra heavy corrugated steel, 15 gallons capacity. Heavy duty pump and paddle agitator to keep solution mixed. The 5-gallon air storage tank will withstand a working pressure of 250 pounds. An efficient sprayer for all general purpose spraying. Price **\$35.00 F. O. B. San Francisco**. Shipping weight (not assembled) 112 lbs.

BROWN'S SIREN SPRAYER



BROWN'S SIREN SPRAYER—The pump used in this outfit is generally acknowledged to be the most powerful of its type manufactured; pumps on both up and down strokes and generates a pressure of 200 pounds. Three nozzle discs give a range from fine mist to a solid stream for spraying trees. The tank is heavy galvanized steel with a capacity of 5 gallons, and has a baffle plate to retain balance. A strongly constructed outfit that will give years of satisfactory service. **\$11.75 complete; \$12.00 postpaid within 3rd zone.**

TANK ONLY—With carrying strap, and as described above. All models of Brown's Trombone Pumps may be attached to this tank. **\$7.25 each; \$7.50 postpaid within 3rd zone.**

SIREN PUMP ONLY—The same pump used in the complete outfit, with the addition of a weighted suction end with strainer to permit pumping from a bucket reservoir. **\$5.00 each; \$5.15 postpaid within 3rd zone.**

NOZZLE EXTENSION (Brass)—This 2-foot extension with angle neck makes it possible to reach the under side of the foliage more easily. **65c each.**

BROWN'S OPEN-HEAD SPRAYERS



A strong, compressed air sprayer with a double-acting pump lock which is easily and safely locked or unlocked. Tank opening is 5 inches in diameter and the inside can easily be wiped to lengthen life of sprayer. The tank is constructed to withstand a pressure of 100 pounds. The rubber double grip pump handle permits both hands being used for pumping.

Brass Tank

No. 3B OPEN-HEAD—Brass tank; 3 gallons capacity. **\$11.00 each; \$11.25 postpaid within 3rd zone.**

No. 4B OPEN-HEAD—Brass tank; 4 gallons capacity. **\$12.00 each; \$12.25 postpaid within 3rd zone.**

Galvanized Tank

No. 3D OPEN-HEAD—Non-corrosive galvanized tank of 3 gallons capacity. **\$7.00 each; \$7.25 postpaid within 3rd zone.**

No. 4D OPEN-HEAD—Non-corrosive galvanized tank of 4 gallons capacity. **\$7.75 each; \$8.00 postpaid within 3rd zone.**

No. 250 FUNNEL TOP—An inexpensive and practical compressed air sprayer; capacity 2½ gallons. The funnel top permits ease of filling, and the unit pump assembly with ground seated valve assures efficient trouble-free performance. Has the automatic shut-off feature, with non-clog nozzle and curved extension. **\$4.95 each; \$5.20 postpaid within 3rd zone.**

MAGIC GARDEN HOSE SPRAYER



Simplifies spraying! Insert cartridge, attach to hose, and spray. The flow of water through the cartridge magazine forms the proper spray solution. Chrome plated unit with transparent magazine, and automatic shut-off. **\$3.95 each; \$4.15 postpaid.**

Cartridges

When cartridges are reduced to about one-half size, save and combine with another used piece. For economy, always remove unused portion and place in tube after drying.

PYRETHRUM-ROTENONE—For general insect control. Best results from this material are obtained when used in the late afternoon or early evening.

COLLOIDAL SULPHUR—For the control of mildew and certain other fungus diseases. Spray with sulphur in the morning to get the full advantage of the fuming effects caused by the sunlight.

NICOTINE—For the control of Aphis and other soft-bodied insects.

The above insecticide cartridges: **35c each; \$4.00 per doz.**

DUSTERS



BROWN'S CRYSTAL DUSTER—Quart capacity. Continuous discharge insured by efficient agitator, breaks all lumps. **\$1.50 each; \$1.65 postpaid within 3rd zone.**

BROWN'S No. 1 DUSTER—Half pint capacity, **60c each; 70c postpaid.**

FERTILIZERS

F. O. B. San Francisco. Prices subject to change without notice.
See parcel post rates on page 54 for postage on small quantities.

ADCO—The addition of Adco to the compost pile or to other vegetable refuse, grass clippings, leaves, etc.; at the rate of 2 pounds to each wheelbarrow load of refuse will produce a clean, odorless manure within 3 or 4 months. **7½-lb. pkg., \$1.15; 25 lbs., \$2.50; 150 lbs., \$11.00.** (Pamphlet with directions how to use mailed on request.)

ALUMINUM SULPHATE—For Rhododendrons, Azaleas and other acid-loving plants. Use ½ lb. per square yard. Spread directly under the plant. **2 lbs. for 25c; 5 lbs., 50c; 10 lbs., 90c.**

PURE GROUND BLOOD AND BONE MEAL—Fine pulverized, excellent for rose-culture. It decomposes very rapidly and is more quickly effective than the coarser grades. It is excellent for mixing with the soil for potting. Use 1 teacupful for a rose bush or apply at the rate of 5 lbs. per 100 square feet. **2½ lbs., 25c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.25.**

BONE MEAL "Cala-Bone"—An ammoniated bone meal with the correct amount of potash added to make an excellent fertilizer for all garden purposes. Use 4 to 5 pounds per 100 square feet. **5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$3.50.**

BLOOD MEAL—A very quick acting fertilizer and also extensively used for spraying on trees to keep off deer. **2½ lbs. for 25c; 10 lbs., 75c; 25 lbs., \$1.60; 50 lbs., \$2.85; 100 lbs., \$5.00**

GAVIOTA GARDEN AND LAWN FERTILIZER—A scientifically prepared, complete fertilizer containing both chemical and organic ingredients. As some of the elements are available immediately and others are slower acting, a quick as well as lasting result is obtained. Use 3 to 5 lbs. per 100 square feet. **3 lbs., 30c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.**

GYPSUM—For breaking up adobe and sticky soils. Does not affect soil acidity. Apply at the rate of 20 lbs. per 100 square feet. **10 lbs., 30c; 20 lbs., 50c; 100 lbs., \$1.25.**

LEAF MOLD—Screened. **5 lbs., 25c; 10 lbs., 45c; Sack, \$1.25.**

LIME, "Agricultural"—An organic shell flour for lightening and sweetening soils. Apply at the rate of 100 lbs. per 500 square feet. In 100 lb. sacks only, **\$1.25.**

McQUEEN'S INOCULATOR—A nitrogen-gathering bacteria for inoculating sweet peas, garden peas and beans. **15c (postpaid).**

INSECT-O-GUN

(Two sizes)

Directions: Pour into the pint (or quart) container the amount of insecticide required for 3 (or 8) gallons of spray material; then fill the balance with water. Attach to your garden hose, and when the trigger valve is operated, the exact amount of concentrated solution is drawn from the jar by the rush of water through the nozzle, producing a thoroughly mixed, fine spray. No adjustments are necessary.

Pint Size: Delivers 3 gallons of spray from each filling. **\$3.75.**

Quart Size: Delivers 8 gallons of spray from each filling. This sprayer throws a heavier volume, making it adaptable for the spraying of tall shrubs and fruit trees. **\$6.00.** Postpaid within 3rd zone.



SPRAYER PARTS

A complete line of Brown Sprayer Parts is carried in our stock. Please describe carefully the part to be replaced, as well as the type of sprayer. Pump plunger leathers are 10c each; top gaskets 10c; each; and other prices in proportion.

NITRATE OF SODA—Stimulates the growth of the foliage, stems and roots of plants. Should be administered to growing plants only, at the rate of 1 lb. per 250 square feet, repeated at intervals of 2 or 3 weeks. **3 lbs., 25c; 10 lbs., 65c; 25 lbs., \$1.15; 50 lbs., \$2.00; 100 lbs., \$3.50.** (Unmailable.)

PEAT—IMPORTED—For building up soils. For best results moisten slightly a day or two before using. **10 lbs., 60c; 20 lbs., \$1.00.** Extra large compressed bale, **\$4.00.** (Price subject to change.) One bale will cover 300 square feet, 1 inch thick.

PULVERIZED SHEEP MANURE, "GROZ-IT" BRAND—**5 lbs., 25c; 10 lbs., 45c; 25 lbs., 75c; 50 lbs., \$1.25; 100-lb. sack, \$2.00; 2 sacks, \$3.50; 3 sacks, \$5.00; 5 sacks, \$8.00; 10 sacks, \$15.00**

SULPHATE OF AMMONIA (Sometimes known as "Ford's Fertilizer")—A nitrogenous fertilizer similar in its effects to Nitrate of Soda but is slower in action and is retained by the soil. Apply at the rate of 1 lb. per 250 square feet. **3 lbs. for 25c; 10 lbs., 60c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.**

SUPER-GROZIT—A complete plant food. Weed-free sheep manure is used as the organic base, and concentrates added in the correct proportions to provide quick acting as well as long lasting qualities. Use 3 to 5 pounds to 100 square feet. **10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.25; 100 lbs., \$4.00.**

SUPERPHOSPHATE—Develops root growth and encourages the early formation of flowers, fruit and seeds. Apply at the rate of 2 or 3 lbs. per 250 square feet. **4 lbs., 25c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50.**

STIM-U-PLANT—A concentrated fertilizer in tablet form. Guaranteed analysis of 11% nitrogen, 12% phosphoric acid and 15% potash. **30 tablets, 25c (30c postpaid); 100 tablets, 75c (postpaid); 1000 tablets, \$3.50 (postpaid).**

SULPHATE OF POTASH—Of benefit to plants in all stages of growth. Apply by working into the soil a little in advance of sowing or planting, at the rate of 1 lb. per 250 square feet. **2½ lbs., 25c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.50.**

UREA (Floranid)—The best nitrogen fertilizer; contains 46% nitrogen. **1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.00.**

VIGORO—Use 4 lbs. per 100 square feet. **5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.75.**

RODENT DESTROYERS

TRAPS

CHUBBUCK DOUBLE CATCH GOPHER TRAP—A most effective box trap for large or small gophers, **45c each, 50c postpaid; \$4.80 per dozen, \$5.10 postpaid, within the 3rd zone.**

GOPHER TRAP MACABEE—**25c each; 30c postpaid.**

"NEVER FAIL" GOPHER GUN—Positive destruction of gophers, moles and other burrowing pests. **Each, \$1.75 postpaid.**

BLANK CARTRIDGES FOR ABOVE—**25c per dozen; box of 50, 85c.** (Unmailable.)

"ACME" MOLE TRAP—**\$2.00 each, postpaid.**

"REDDICK" MOLE TRAP—**\$1.50 each, (\$1.65 postpaid).**

CHEMICALS AND POISONS

STANDARD RODENT DESTROYER—Gas rockets for killing gophers, squirrels and other rodents. **1 dozen, 75c postpaid; 8 dozen for \$5.50.**

O. K. GOPHER POISON—Poisoned raisins and grain for destroying gophers, squirrels and other rodents. **6 oz. pkg., 35c; 1 lb. pkg., 60c; 5 lb. pkg., \$2.50.**

CARBON BISULPHIDE—(Unmailable). **1 lb. cans, 35c; 10 lbs., \$2.00.**

CYANOGAS—For destroying gophers, moles and burrowing rodents. **1 lb., 75c; 5 lbs., \$2.50.** (Unmailable.)

GARDEN TOOLS AND ACCESSORIES

Prices F. O. B. San Francisco except where stated, and subject to change without notice.

(Articles marked postpaid include delivery within the third zone)

LAWN MOWERS

(F. O. B. San Francisco)

- BABY GRAND (Ball Bearing)—A light and easy running, high grade mower. Specially adapted for home gardens. 12-inch. \$8.00; 14-inch, \$8.25; 16-inch, \$8.50. (Parts kept in stock.)
- PHILA-FLASH—A quiet running five-bladed mower. Solid rubber tires, rubber encased roller, and rubber hand-grips. The ball bearings are self-adjusting, and are permanently lubricated. 14-inch, \$12.75; 16-inch, \$13.50.
- PHILADELPHIA, STYLE N. T. 5—Ball-bearing, 10-inch wheel, 5 blades. 14-inch, \$8.75; 16-inch, \$9.00.
- LAWN TRIMMERS—Ace, \$9.00 each.
- GRASS CATCHERS—"NON-SLIP" BOTTOM—Adjustable to 12-inch to 16-inch mowers, \$1.35 each.
- GRASS CATCHERS—"PLAIN" BOTTOM—Adjustable to 12-inch to 16-inch mowers, \$1.15 each.

SHEARS AND PRUNERS

- NAPA SHEARS, No. 4—Reiser Pattern, 8½-inch. Per pair, \$3.00 postpaid.
- NAPA SHEARS, No. 6—Volute spring, 8½-inch, polished. Per pair, \$2.00 postpaid.
- NAPA SHEARS, No. 7—Volute spring, 8½-inch, japanned. Per pair, \$1.25 postpaid.
- LADIES No. 23 HENCKLE—Nickel. Per pair, \$3.75 postpaid.
- LADIES HENCKLE "WELKUT"—Nickel. Per pair, \$2.50 postpaid.
- LADIES, FULL NICKEL—"Wiss." Per pair, \$1.95 postpaid.
- "SNAP-CUT" SHEARS—Chrome finish. 8-inch, per pair, \$2.00; 6-inch (Ladies), \$1.50. Postpaid.
- GRASS SHEARS—"Wiss." Per pair, \$1.25 postpaid.
- HEDGE SHEARS—Hand-forged 6-inch blade, per pair, \$1.50; 8-inch blade, \$2.50; 9-inch blade, \$2.75; postage, 15c extra.
- PRUNING SAW, STILETTO-BUSHMAN—Blade of highest grade Swedish alloy steel with patented tooth arrangement; cuts evenly and rapidly on both strokes. Thin gauge rigid blade, 14 inches in length and 2 inches wide at the handle, tapering to a point at the end. Each, \$1.95. (\$2.15 postpaid).
- PRUNING SAW, No. 514—A general purpose saw for orchard and home pruning. Easy cutting, needle point teeth; length 20 inches. Each, \$1.50. (\$1.65 postpaid.)
- TREE PRUNING SHEARS—Bernard "Lopwell." 26-inch handle, \$2.00 each, postpaid, \$2.15; 30-inch handle, \$2.25 each, postpaid, \$2.40.
- TREE PRUNERS—6 feet, \$2.00 each; 8 feet, \$2.25 each; 10 feet, \$2.50 each; 12 feet, \$2.75.
- TIP TOP SAW—For attachment to above for tree-top sawing. Each, \$1.00 postpaid.

WHEELBARROWS

F. O. B. San Francisco

"EASTERN" GARDEN WHEELBARROW—We guarantee these barrows to be better made and more neatly finished than any other garden barrow on the market. Made entirely of hardwood. Iron leg braces are thoroughly bolted, not held by screws, making these barrows "custom" barrows.

	Iron Wheel	Pneumatic Wheel
No. 2—Small ladies' or boys'.....	\$8.00
No. 3—Capacity, 3 cubic feet.....	8.85	\$19.85
No. 4—Capacity, 4 cubic feet.....	9.50	20.50
No. 5—Capacity, 5 cubic feet.....	10.00	21.00

LAWN ROLLERS

High grade Lansing Rollers, in which either water or sand may be used for ballast. Prices and shipping weights: 14 x 24 inches (70 lbs.), \$12.50; 18 x 24 inches (85 lbs.), \$15.00. Scrapers, \$2.50 extra.

GARDEN HOSE

(F. O. B. San Francisco)

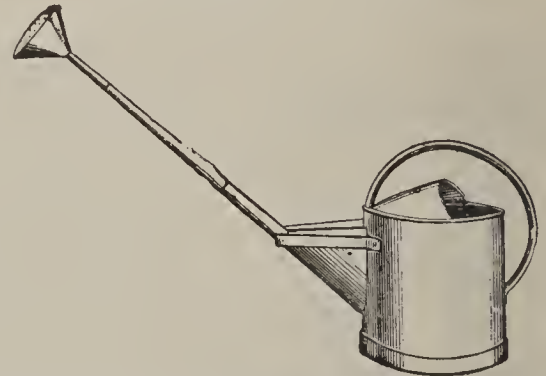


- CRACKPROOF—Heavily corrugated, extra heavy construction, pliable. 25-foot lengths: 5/8-inch, \$4.50; 3/4-inch, \$5.00. 50-foot lengths: 5/8-inch, \$8.75; 3/4-inch, \$9.75.
- CLOVER HOSE (Green)—Heavy single braid; finely corrugated. 25- or 50-foot lengths only. 5/8 inch, 13½c per foot.

ACCESSORIES AND NOZZLES

- SHUT-OFF HOSE CONNECTION—Invaluable for use with any type of nozzle; fits between end of hose and the nozzle. Polished brass. Each, \$1.25 postpaid.
- HOT HOUSE HOSE NOZZLE—Cast brass body and heavy sheet brass face. 3-inch face, 85c each; 4-inch face, \$1.25 each. Postpaid.
- HOSE NOZZLE, GOLD LABEL—The conventional adjustable type for garden use. Precision made of polished bronze. Each, 85c postpaid.
- HOSE NOZZLE, ROSS—Fan shaped; fine spray. 85c each, postpaid.
- HOSE COUPLING—Clincher type; brass, with long-lasting cut-threads. ½-, 5/8-, and ¾-inch, 35c per pair, postpaid.
- HOSE MENDER, "CLINCH"—For ½, 5/8 and ¾ inch hose, 10c each, \$1.00 per doz., (\$1.10 postpaid).
- "SECURE" HOSE WASHERS—20c per dozen, postpaid.
- "STA-IN" OVAL HOSE WASHERS—15c per dozen, postpaid.

WATERING POTS



WATERING POTS, WOTHERSPOON'S—Oval, galvanized iron with brass fittings and two brass roses, one fine and one coarse with each pot. 6-quart, \$6.50; 8-quart, \$6.95; 10-quart, \$7.35. (Add 25c for postage within 3rd zone.)

SCOLLAY SPRINKLER

RUBBER PLANT SPRINKLER, "SCOLLAY'S"—For indoor watering, straight neck. \$1.25 each; \$1.35 postpaid.

MISCELLANEOUS

- SIEVES—Any size mesh. 18-inch diameter. \$2.00 each, postpaid within 3rd zone.
- STAPLES—"Coppered" ¾x1¼ inches. For supporting vines. Lb., 35c; postage extra.
- THERMOMETERS—Self registering, indicates maximum and minimum degrees of temperature. Boxwood back. \$3.00 postpaid.
- TROWELS—25c each. Transplanting, narrow blade, 20c and 25c each, postage 10c extra.
- Maynard Pattern—\$1.25 each, postpaid within 3rd zone.
- WEEDERS—Dandelion, 50c each, postpaid.

GARDEN REQUISITES

Prices F. O. B. San Francisco except where stated, and subject to change without notice

(Articles marked postpaid include delivery within 3rd zone)

FLOWER POTS, FERN POTS AND SEED PANS

Fern Pots are three-quarters, and Seed Pans one-third the depth of Flower Pots; prices are the same.

Due to their weight, bulk, and fragility, orders for shipment should be placed in ample time to permit packing and shipping from the pottery. This will assure safe arrival.

	Each	Per 10	Per 100
2½-inch.....	\$0.05	\$0.30	\$ 2.50
3-inch.....	.06	.40	3.00
4-inch.....	.07	.45	3.50
5-inch.....	.08	.60	5.00
6-inch.....	.10	.85	7.00
7-inch.....	.15	1.40	12.50
8-inch.....	.25	1.90	18.00
9-inch.....	.35	3.00	24.00
10-inch.....	.50	4.50	
12-inch, \$1.00 each; 14-inch, \$2.00 each; 16-inch, \$3.00 each.			

SAUCERS FOR FLOWER POTS

	Each	Per 10	Per 100
4-inch.....	\$0.05	\$0.40	\$ 3.50
5-inch.....	.06	.50	4.25
6-inch.....	.08	.70	6.00
7-inch.....	.12	1.00	9.00
8-inch.....	.15	1.35	12.00
9-inch.....	.20	1.65	15.00
10-inch.....	.25	2.00	18.00
12-inch.....	.45	3.50	
14-inch.....	.70	6.00	

No charge for packing. Shipped at customer's risk.

PAPER FLOWER POTS

Neponset. Just the thing to start your plants in. Will not break in sending. Ship nested together.

	Per 10	Weight Per 100	Per 100	Per 1000
2½-inch.....	\$0.10	1½ lbs.	\$0.75	\$6.00
3-inch.....	.15	2½ lbs.	1.00	8.00
4-inch.....	.20	4 lbs.	1.35	12.00
5-inch.....	.25	6½ lbs.	2.00	17.00
6-inch.....	.30	8½ lbs.	2.50	22.50

(If wanted by mail, add postage according to weights given above)



TREE PROTECTORS

TREE PROTECTORS, "YUCCA"—A perfect protection for young trees against rabbits, grasshoppers, sunburn, frost, etc. The usual size is 7 inches wide and of various lengths.

	Weight Per 100	Per 50	Per 100	Per 1000
12-inch.....	8½ lbs.	\$0.75	\$1.30	\$12.00
16-inch.....	12 lbs.	.85	1.50	14.00
18-inch.....	13 lbs.	.95	1.65	15.50
24-inch.....	19 lbs.	1.10	2.00	19.00

(If wanted by mail, please add postage; weights as given above.)

MISCELLANEOUS

GRAFTING WAX—Snow's in bricks, black. ¼ lb., 20c; ½ lb., 35c; lb., 60c; 4 lbs., \$1.75; postage extra.

MOSS, SELECT SPHAGNUM—Lb., 30c; 10-lb. sack, \$2.50; postage extra. Special prices for larger lots.

MOSS, GREEN—Lb., 25c; 10-lb. sack, \$1.50; postage extra. Special prices for larger lots.

ORCHID PEAT—Per sack, \$4.00.

RAFFIA—Largely used by nurserymen and others and considered the best and cheapest material for tying. Natural color. 40c per lb.; \$3.50 per 10 lbs.; postage extra.

TREE SEAL—A grafting or pruning compound. Pint, 40c; postpaid, 50c; quart, 60c; postpaid, 75c; gallon, \$1.75; postpaid, \$2.00, within 3rd zone.

LABELS

(Postpaid within the third zone)

Shipping weight of wooden labels averages 4 lbs. per 1000.

	Painted Per 100	Unpainted Per 1000	Painted Per 1000
3½-inch iron wire	\$0.35	\$2.40	\$2.75
3½-inch copper wire40	2.65	3.00
4 -inch Pot Labels35	2.50
5 -inch Pot Labels40	3.00
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