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VAUGHAN'S
Rainbow Collection
of Giant Rust-Proof
Snapdragons
(See Page 5)



EDITH MASON



MARY SHARY



DR. F. E. BENNETT



MAID OF ORLEANS



WASAGO

VAUGHAN'S FAMOUS *Rainbow Garden of Gladioli*

One hundred flowering size bulbs, ten each of the ten outstanding varieties illustrated on this page.
Each variety separately bagged and labeled. Prepaid 600 miles for \$2.00.

The reproductions on this page are made by direct color photography, not of exceptional specimens, but of average flowers, reproduced on the same scale of reduction exactly one-fifth life size. For price on each variety see Gladiolus Pages.



DEARBORN



MINUET



PICARDY



MARMORA



MRS. F. L. KARCHER

Ten Champion Gladioli from the Largest
• Gladiolus Growers in the World •

Vaughan's Seed Store is the largest grower of gladiolus bulbs in the world. Residents of Ovid, Mich., where our principal farms have been maintained for twenty-five years, celebrated the silver anniversary of its gladiolus industry, September 1, 2 and 3, 1939. Vaughan's farms were the principal attraction of the gladiolus festival, which will become an annual event. Located on Michigan route 21, 13 miles west of Owosso, visitors are welcome during the flowering season, from July 15th to October 1st.



Five-Acre Trial Ground Where Our New Varieties Are Tested.



In Vaughan Display Garden at Ovid, Mich., 130 Varieties Are Grown.



Entrance to Vaughan's Display Garden at Ovid, Mich.



Harry Oven, Manager of Vaughan's Gladiolus Farms, Crossing Two Varieties.

Vaughan's FAMOUS Rainbow Garden of GLADIOLI

100 Bulbs, 10 each of 10 Varieties,
Separately Bagged and Labeled.
Prepaid 600 Miles.

100 BULBS \$2

TEN EACH OF THESE TEN:

DEARBORN. Immense spike of deep light orange florets, each 5 to 6 inches across. Unrivaled in its color. Early.

DR. F. E. BENNETT. Tall, vigorous spike of exhibition size, bright scarlet flowers with faint white markings in throat.

EDITH MASON. Exquisite geranium-pink, large flowers, many open together.

MAID OF ORLEANS. A giant white bred by Pfitzer, with the typical mammoth florets of his strain; of milky white, with cream throat.

MARMORA. Largest of the "smokies," a misty lavender-blue and rose, huge flowers, eight open at once.

MARY SHARY. Tallest and largest of all the yellows; a soft primrose, deeper in the throat, unfading in the brightest sun, or under artificial light. Spike straight, growth vigorous.

MINUET. True orchid coloring, giant flower, tall spike, vigorous grower, unquestioned leader of its color.

MRS. FRANCES L. KARCHER. Vivid orange scarlet, with tall, straight spike, and large florets, eight opening together.

PICARDY. Still undisputed champion of all. Huge spike, with immense florets, often ten open at once. Petals of waxy substance, slightly ruffled, apricot pink.

WASAGA. Large flowers of clear apricot, buff throat. A prize winner in its color class.

Read what 1939 buyers say:

Tonawanda, N. Y., Oct. 9, 1939
"Early this spring I purchased your Rainbow Collection of Gladioli. I wish to compliment you on the marvelous collection at such a reasonable price. My neighbors were thrilled with such lovely blooms, and I was more than well satisfied with the results I received."—Frank Keller.

Peru, Ill., Aug. 30, 1939
"It is a pleasure to inform you of the great surprise my husband and I had when our Rainbow Collection of Gladioli bloomed. We enjoyed them immensely. I think I will have some new customers for you in the spring."—Mrs. Fred Willmeroth.

Hayward, Wis., Feb. 24, 1939
"May I add my words of praise for your Rainbow Collection of Glads last year? They took firsts in all classes I entered, and I would have challenged competition at any fair, even after seeing the exhibits of gladioli at the Chicago World's Fair."—Mrs. Karl W. Kahmann.

After April 1st it may be necessary to change this collection.

BEING the largest growers of gladioli in the world, we take especial pride in offering, as the dominant value in our annual catalogue, the best collection of gladioli it is possible to buy for \$2.

Each of the ten varieties is recognized by fanciers as among the very finest, if not the finest, of its color. With this collection, for less than what one bulb of any of these varieties would have cost not long ago, you may have a gladiolus garden which few can equal.

Rainbow bulbs are not first size bulbs, but they are the size we use in growing exhibition flowers. They take a little longer to bloom than first-size bulbs, but the size and quality of the flowers, and the crop of bulbs produced for your next year's planting, are equal to the products of the largest bulbs.

We recommend that you buy as many Rainbow Glads as you have room to grow. Plant one collection early, another two weeks later, and so on until June, to produce a constant supply of glorious cut flowers.

If your space is so limited that you cannot plant 100 bulbs, we offer the Rainbow in a half portion.

Read what those who have grown these splendid flowers have to say about them.

Bulbs will be shipped separate from other items when danger of freezing in transit is past, or at proper planting time.

1/2 PORTION
50 BULBS \$1

You may order half a Rainbow Garden Collection, 5 bulbs each of the 10 varieties listed above, prepaid for \$1.00.

You Can Grow Giant Dahlias!

8 CHAMPION 8 VARIETIES OF Rainbow Colors \$3.45

THESE are not merely new dahlias; they are varieties that have proved their merit. Both in garden display and on the exhibition tables, they have won rank among the best.

Of the new varieties introduced each year only a chosen few survive the acid test and win a place on the list of tried and proven champions.

All these varieties have stood the test, and demonstrated that besides their giant size and fine coloring, they have the qualities of vigorous growth and free flowering.

There is no difficulty about getting giant flowers from these varieties, if you follow the simple directions which we furnish with each order.

One Each of These Eight Varieties, for \$3.45

BUCKEYE GLORY. (I. D.) Color clear lavender to deep lavender. The flowers vary in size from eight to eleven inches in diameter, with a depth of four to five inches. The bushes are extremely vigorous, with heavy foliage and fine habit of growth, blooming early and continue until frost. The stems are of good length and strong. Price, each, Tubers, \$1.00.

BUCKEYE STAR. (S. C.) Salmon pink with a golden yellow center and fine formations. The long stems and unusual keeping qualities of this variety make it an excellent cut flower Dahlia. Price, each, Tubers, 75c.

CALIFORNIA IDOL. (I. D.) A giant clear yellow that can win in any class in which it may be entered. It is a splendid grower and the giant blooms are held upright on long stiff stems. This Dahlia has many show honors to its credit and it will be a popular variety for years to come. Price, each, Tubers, 75c.

CLARA CARDER. (F. D.) A large cyclamen pink with a flush of yellow at the base. In a color class by itself. Blooms 10 to 12 inches on strong stems. Plant is a vigorous grower and insect-proof. A great Dahlia that you will be pleased to have in your garden. Price, each, Tubers, 75c.

HUNT'S VELVET WONDER. (I. D.) Color is a rich violet purple. The huge blooms can be grown to immense size and are fine keepers for so large a flower. A strong grower and disease-resistant with striking foliage on excellent stems. A good exhibition variety. Price, each, Tubers, 75c.

MRS. GEORGE Le BOUTILLIER. (I. D.) A rich velvety carmine red with darker shadings throughout. One of the best reds for the garden and exhibition. A healthy vigorous grower with strong stems and insect-resistant foliage. Price, each, Tubers, 75c.

TOWERS EMPIRE. (I. D.) The flowers are large, up to 14 inches, and the color is clear gold with amber shadings. Stems are exceptionally long and straight and hold the huge blooms well above the foliage. An early and prolific bloomer. Price, each, Tubers, 75c.

WHITE WONDER. (I. D.) This fine white is a great prize winner. One that can always be relied on to do well. The flowers can easily be grown up to 12 inches in diameter, are of great depth, full centered and have good stems. Plant very rugged grower, reaching a height of 5 feet and over. Price, each, Tubers, 50c.



Disbudding Technique
The Diagram shows a Typical Dahlia Plant which was pinched back after making the first four leaves, and thereafter disbudded and disbudded to produce 10 exhibition flowers.



Ten Prize Winning Giants for . . . \$1.85

Value \$2.65. Prepaid 300 Miles

ASK your dahlia growing friends about these ten. They are all outstanding varieties which have held leadership long enough for many growers to produce them. Thus, the supply of tubers has expanded, with consequent price reduction. Each is a winner in its class and every collection should have them.

AVALON. Pure yellow. Large flowers in great abundance. Price, each, 25c.

CITY OF WELLSTON. Rhodamine purple. Flowers of large size on long stems. An early and prolific bloomer. Price, each, 25c.

JANE COWL. A large flower of a warm buff and old gold, blending to a bright salmon at the center. A superb dahlia. Price, ea., 25c.

JERSEY'S BEAUTY. It is still in a class by itself. A perfect bloom of eosine pink, carried high above the foliage on a long, wiry stem. Price, each, 25c.

JOSEPHINE G. A true rose pink with petals tipped yellow. Price, each, 35c.

MRS. IDE VER WARNER. A refined mauve-pink beautifully formed. Large blooms carried on long, strong wiry stems. Price, ea., 20c.

MONMOUTH CHAMPION. A brilliant orange flame. Extra large blooms. A consistent prize winner. Price, each, 25c.

OMAR KHAYAM. A Chinese red at the base of petals, shading to a bright orange with paler tips. The flowers grow over 10 inches. Price, each, 35c.

ROSE FALLON. Color dark orange tinted with amber and salmon. Massive blooms stand well above a vigorous growing bush. Price, each, 25c.

WHITE KING. A pure white, large flower of beautiful form and substance. Free flowering on long stems. Price, each, 25c.

Important—After April 1 it may be necessary to change this collection. Order early.

Please Order on this Blank ^H

To **Vaughan's Seed Store** 601 W. Jackson Blvd., CHICAGO
 540 47 Barclay Street, NEW YORK

YOUR NAME Date 19.....
 Write very plainly

Post Office State

Street, P. O. Box
 or Rural Delivery

Express or Freight Office { If different }
 { from P. O. } Forward Goods by
 (Parcel Post, Express, Freight or Boat)

AMOUNT ENCLOSED

**(SEND NO CASH OR
 CURRENCY UNLESS
 REGISTERED)**

Money Order \$
 Draft or Check \$
 Postage Stamps \$
 Cash - - - - \$

Table of PARCEL POST RATES to different zones on other side.
 Your local postmaster will tell you in which zone you reside as regards NEW YORK or CHICAGO.

Make Money Orders or Checks Payable to Vaughan's Seed Store

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

VAUGHAN'S SEED STORE, INC., GIVES NO WARRANTY, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, PRODUCTIVENESS OR ANY OTHER MATTER OF ANY SEEDS, BULBS OR PLANTS IT SELLS, AND WILL NOT BE RESPONSIBLE FOR THE CROP; AND IT GIVES NO WARRANTY, EXPRESS OR IMPLIED, AS TO FERTILIZERS, OTHER THAN IN RESPECT TO ANALYSES OR OTHER DATA EXPRESSLY AND LAWFULLY REQUIRED OF THE SELLER BY STATUTES.

QUANTITY Do not Abbreviate	NAME OF ARTICLE	PRICE	
		Dols.	Cts.
Premium for Cash Mail Orders Received Before March 1st			
<p>For every CASH MAIL ORDER for SEEDS AND BULBS, totaling \$2 or over, received on this order blank before March 1, 1940, we will send gladiolus bulbs of our selection, to the value of 10 percent of the order. Premium bulbs will be mailed after March 1. This order does not apply to purchases at stores, or to mail orders for items other than Seeds and Bulbs.</p>			
For Complete Index, see Pages 111 and 112			
In making your order, please give the sizes and prices to avoid delay and errors. Carried Forward, \$			

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New Flowers for 1940 GATHERED FROM ALL THE WORLD

TO present the thousands of flowers we offer for your gardens this year, the buyers of Vaughan's Seed Store have searched the world.

The day of romantic plant explorers, wrestling from forest and plain hitherto unknown species, is almost over. But in every civilized country are breeders whose explorations are quite as exciting. Science has taught new ways to seek new flowers, and none can tell when or where a notable find may be made.

So the seedsman who insists that his list be comprehensive, must cover the world in his search for new varieties.

FIFTY-SIX YEARS OF PROGRESS

But to Vaughan's, this is no new problem.

Since 1884 we have kept intimate contact with flower breeders everywhere. Carl Cropp, vice president, who came with a thorough European training to take charge of the flower seed department in that year, has directed this department through the amazing progress in flower production and ornamental gardening of more than half a century.

Periodical trips abroad have been made through this half century, and since flower seed breeding developed on a large scale in our country, centering in California, trips of inspection to the growing fields have been made several times each year.

FINAL TEST OF QUALITY

But this alone does not suffice. The merit of seeds cannot be finally ascertained in the laboratory or by inspection. The merchant, as well as his customer, must rely upon the skill and honesty of the grower, and accept his representations as to the most important matters of inheritance and trueness to type. Not until they have grown, can their quality in these respects be determined.

To make this final test, and keep a constant check on the reliability of our growers, we plant samples of their seeds in our test garden, or

"Trial Grounds," illustrated below. We grow each year hundreds of different flowers in carefully labeled rows, including not only new varieties but old favorites.

All entries in the "All-America Trials" for new flowers are grown here each year. Many novelties not entered in this contest are also tested. Each year a different group of standard varieties is grown to see whether quality is being improved, as it should be with proper breeding methods; and above all, to see which grower has the best strain.

WORLD'S BEST FLOWER SEED

Where several growers produce the same variety, one may progress faster, and his strain may far surpass others. By growing samples side by side, we determine the best source from which to buy.

By this extreme and costly care we are enabled to offer our customers—amateurs as well as professionals—the "world's best flower seeds." Proof of our success may be seen in the fact that since its establish-



View of Vaughan's Test Gardens, West 47th street and Willow Springs road, Western Springs, Ill., where more than 800 different annuals are grown, including All-America contest entries. Visitors are welcome after July 15, until killing frost.

ment in 1876, Vaughan's Seed Store has specialized in supplying professional florists, gardeners, and market growers. These are exacting customers, who themselves grow our materials, and know their quality.

Since all our stocks are bought for and most sold to professionals, you may be sure that in buying from Vaughan's Seed Store you will receive seeds of the highest professional standard, the best the whole world has to offer.

Founded in 1876 by J. C. Vaughan, Vaughan's Seed Store, Inc., is now directed by his son, Leonard H. Vaughan, Pres. At 601 W. Jackson Boulevard, Chicago, Ill., 60,000 square feet of warehouse and office space are occupied. A thousand acres of farm land are cultivated directly in seed and bulb crops; nursery and a greenhouse plant at Western Springs, Ill., and retail stores at 10 W. Randolph Street and 601 W. Jackson Blvd., Chicago, and 47 Barclay Street, New York City.

On Our Front Cover Vaughan's Giant Rust-Proof Snapdragons.

If you have found snapdragons difficult to grow, rust is probably responsible. With our rust-proof varieties, seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

- | | | | |
|-----|---------------------|-------|-------------|
| (1) | 347 Red Cross | ..... | Pkt. \$0.20 |
| (2) | 341b Rose Brilliant | ..... | .20 |
| (3) | 342a Golden Glory | ..... | .20 |
| (4) | 343a Copper King | ..... | .20 |
| (5) | 343b Indian Summer | ..... | .20 |
| (6) | 341 Alaska | ..... | .20 |
| (7) | 343 Campfire | ..... | .20 |
| (8) | 344b Daintiness | ..... | .20 |

340 Vaughan's Rainbow Collection of Giant Rust-Proof Snapdragons, 1 Pkt. each of above 8 varieties, \$1.00.

Your selection of any 3 packets of above for 50c.



VAUGHAN'S GARDENING ILLUSTRATED 540 YEAR 1940 CHICAGO NEW YORK

Star-Shaped Pink Petunia

3972 Hollywood Star. The blossoms are of unique shape, the petals being pointed and forming a five pointed star. The color is a lovely deep rose, with yellow throat, making a pleasing combination. Plants are bushy, and habit has been much improved since its introduction last year. It is early and free flowering and continues to bear well until killing frosts arrive. This variety was awarded a silver medal in the 1939 All-America trials. Pkt., 25c.



*Dwarfest and Most Uniform Ageratum
Has True Blue Blossoms*

Culture: A or B (May 15 to July 1), D or E (Feb. to April)

- 195 Ageratum Midget Blue.** □ This was awarded a silver medal in the 1939 All-America Trials but was withheld by the introducer until this year, as the seed supply was limited. Midget Blue is a delightful little plant for edging, being uniformly dwarf and true to color from seed. The delicate fine foliage is practically smothered with small true ageratum blue flowers. 2 to 3 inches. Where ageratums are used for ribbon planting, or edging, the most important qualities are compact growth, uniformity of size, habit and flowering season, and a production of flowers so abundant that the foliage is almost hidden. In these qualities this variety leads all others by a wide margin. Pkt., 25c.

*New Violet Alyssum Holds
Color in Hot Weather*

Culture: A or B (March to July), D or E (March to May)

- 259 Alyssum Violet Queen.** □ A new edging plant with a color peculiarly its own, being of a very pretty bright violet tint much deeper in color than the Alyssum Lilac Carpet offered previously, and does not fade in hot weather. It has the usual honey-like odor of the white variety. 4 inch. Pkt., 25c.



195 **AGERATUM** Midget Blue, the Most Compact and Uniform Dwarf Ageratum Yet Produced. Pkt., 25c.



259 **ALYSSUM** Violet Queen. Pkt., 25c.

*Golden Spider Flowers
On 8-foot Plants*

Culture: D or E (Feb.-March)

- 1802 The Golden Cleome.** □ A new color in the spider flower. Blossoms resemble Cleome Pungens in form, but are of a rich gold, approaching orange, carried in abundance on stems which will grow eight feet. To keep them lower, crowd the plants. Like Cleome Pungens, its rose colored cousin, the flowers of this plant are attractive to bees. This is one of the most vigorously growing annuals, and can be used to fill up large gaps in the border. The plants grow with a single stem, which develops wide spreading branches, each of which terminates in a profuse raceme of golden blossoms. It is a tender perennial which we grow as an annual. It prefers a location in the full sun, and likes sandy soil. The flowering season lasts from mid-July until killing frosts arrive. Pkt., 25c.



1802 **CLEOME** The Golden. Pkt., 25c.
A New Color in the Spider Flower.



7156 **AQUILEGIA** Crimson Star. Pkt., 25c.

*Rich Crimson Columbine
Has 3-inch Flowers*

Culture: B (Feb. to July 15), C (April to July), D or E (March to July)

- 7156 Aquilegia Crimson Star.** The new bright crimson long spurred variety that has proven to be a sensation in England. The long spurs are a rich crimson and the center is white tinged carmine. The flowers measure 3 inches in diameter and are borne on graceful erect 2 foot stems. Comes quite true from seed and is highly recommended. Pkt., 25c. Plants, 35c; 3 for \$1.00; doz., \$3.50.

*Dwarf Chinese
Forget-Me-Not
Likes a Dry, Poor Soil*

CYNOGLOSSUM. □

Culture: A or B, D or E (March-April)

- 2020 Firmament.** Received a bronze medal in All-America selections for 1939. It is dwarf, free-blooming over a long season; flowers a bright indigo blue. It is to be recommended for growing in dry, even poor soil. 1½ ft. Pkt., 10c.



2020 **CYNOGLOSSUM** Firmament. Pkt., 10c.



2329 DIMORPHOTHECA Spectabilis. Pkt., 25c.

Wine-Red African Daisy

Culture: A or B (May 15), D or E (Mar.-April)

2329 **Dimorphotheca Spectabilis** has a single daisy-like bloom about two inches in diameter, of wine red with a shining black center. Taller than other varieties of Dimorphotheca, stems twelve to fourteen inches long are produced in abundance. A half hardy perennial that should be treated as an annual. 12 to 14 in. Pkt., 25c.



1908 CRIMSON RAMBLER. Pkt., 25c.

New Morning Glory of Bright Ruby Red

Culture: A or B (March-June)

1908 **Crimson Rambler**. A morning glory of bright ruby red, member of the convolvulus family, which flowers with all the well-known vigor of its race, and will clamber over an arbor in record time. A lovely companion for the other new climbers. Pkt., 25c.



4104 PHLOX Gigantea Salmon Glory. Pkt., 20c.

The Glamor Girl of the Phlox Family

PHLOX GIGANTEA □

Culture: A, B, D or E.

4104 **Salmon Glory**. Individual florets measure with ordinary field culture from 1¼ to 1½ inches in diameter. The color is a pure salmon pink with a distinct creamy-white eye. This combination, with its clear, clean, crisp appearance, makes one of the most beautiful color combinations we have ever seen. Salmon Glory won a silver medal in the 1939 All-America trials. 9 in. Pkt., 20c.

Vivid Scarlet Petunia

Culture: A & B (March-June), D or E (March-April)

4004 **Petunia Lady Bird**. Awarded bronze medal All-America selections 1939. Dwarf compact growth; excellent either as a pot plant or growing in the open. Outstanding color of flowers, deep topaz rose overlaid with scarlet, makes this one of the most brilliant in its class. An outstanding variety in our Trial Grounds last summer. Pkt., 35c.



3761 PANSY Baby Delight. Pkt., 20c.

Baby Pansies Bloom in 70 days from Seed

Culture: Pansy Culture or A-B (March-April)

3761 **Baby Delight**. An ideal pansy for spring blooming. Extremely early flowering, blooming in 70 days from seed. Makes dwarf but compact bushy growth with a height of not more than 8 in. The flower is lovely light blue, with a pleasing "face," about 1 inch in diameter.

3762 **Mrs. A.H. Scott**. Another of the "baby group" with flowers of the Beaconsfield color, top petals white, lower ones violet purple. A brilliant combination.

Each of above, pkt., 20c.



4007 PETUNIA Glow. Pkt., 25c.



4054 PETUNIA Golden Jubilee. Pkt., 35c.

Fringed Petunias of Scarlet and Gold

Culture: D or E (Feb.-April)

4054 **Golden Jubilee**. It has fringed 3½ inch flowers of bright carmine, tinged scarlet, with a golden throat, light bronze markings. Pkt., 35c.

Richest Red in the Petunia Family

Culture: A or B (March-June), D or E (March-April)

4007 **Petunia Glow**. A dwarf bushy plant covered with flowers 2½ inches across of a dazzling carmine red. The richness of color excels all other existing varieties of a similar type. Silver medal award All-America 1939; was held over to 1940 to increase seed supply. Pkt., 25c.



4004 PETUNIA Lady Bird. Pkt., 35c.

On Page 60 We Illustrate and Offer the Morning Glory, All-America, Scarlett O'Hara and Many Other Varieties.



5751 VERBENA Fern Leaved. Pkt., 25c.

New Upright Verbena with Fernlike Leaves

Culture: D or E (Feb.-April), A or B (May 15th)

5751 Verbena Fern Leaved (V. Bipinnatifida). Entirely new form. The plants reach 18 in. in height by 2 ft. wide with great piles of ferny, feathery gray-green foliage covered with clusters of lavender blue flowers. In bloom continuously in our Trial Grounds and much admired by visitors during the season. The flowers resemble sprays of lilac candytuft. Pkt., 25c.

Bright Scarlet Sage of Uniform 10-inch Height

Culture: D or E (Feb.-March), A or B (May 15th)

4669 Salvia Splendens St. John's Fire. 10 in. Blooms very early but remains in perfect condition until frost. Grows only 10 inches tall when in full bloom in August. The bright scarlet spikes stand densely and rigidly upright on the uniform and compact plants. Pkt., 25c.



4669 SALVIA Splendens St. John's Fire. Pkt., 25c.

Annual Rudbeckia of Rich Autumn Coloring

Culture: A or B, D or E (Feb.-March)

4581 Annual Rudbeckia Indian Maid. 4 in. flowers, pronounced crown, rich brown center and golden tips. Some few semi-double or double rows of petals. Sown March 1, bloomed in 3 1/2 months. Like spokes of wheel without rim. The brown in petals is a little over half way out on petals. Vigorous habit. Excellent for cutting. 30 in. Pkt., 25c.

Ruellia ①

8450 CILIOSA. Starts to bloom in June and lasts till September. In form and coloring the flowers remind one of Petunia Heavenly Blue, with the same silvered sky blue and lavender reflections. Hardy and enduring perennial belonging to the Acanthus family. It likes full sun and hot dry places. Sown in very early spring will often bloom first year. Pkt., 25c.



4581 RUDBECKIA Annual Indian Maid. Pkt., 25c.



4731 SCABIOSA Blue Moon. Pkt., 15c.

Luscious Lavender Blue Long Stemmed Scabiosa

Culture: A or B (March-June), D or E (Feb.-March)

4731 Scabiosa Blue Moon. Flowers are a luscious shade of deep lavender blue, produced on long stems. Ideal cutting variety. The blossoms are composed of broad, heavy, waxy petals built up in conical shape. 42 to 48 in. Pkt., 15c.

Pretty Texas Newcomer Likes Dry, Open Places

Culture: A or B (May 15-July 1), D or E (March-May)

4820 Star of Texas (Xanthisma Texanum). One of the prettiest annuals, easily grown and deserves to be very popular. Flowers are light canary-yellow with a lighter colored center; single, daisy-like, with long, pointed petals. Stems are thin and strong, and although they are not very long, they are suitable for cutting. Quite hardy, does well in dry, open places. Plants are vigorous and very free blooming. They attain a bushy erect growth, quite branching, 18 in. high and as much across. Sow in the open in early spring. Pkt., 25c.



4820 XANTHISMA Star of Texas. Pkt., 25c.

Deep Purple Viola with a Bright Yellow Eye

Culture: A or B (March-April)

5802A Viola Cornuta King Henry (Purple King). Compact plants, 4 to 6 inches high, are superabundantly covered with vivid colored flowers measuring about 1 inch in diameter. Deep purplish violet with lighter shaded center and yellow eye creates an effective combination of colors. Pkt., 25c.



5802A VIOLA Cornuta King Henry (Purple King). Pkt., 25c

« « Flower Seeds — Novelties and Specialties of 1940 » »

Official List 1940 "All-America" Selections

SILVER MEDALS

- 4007 Petunia Glow
4003 Petunia Cream Star
195 Ageratum Midget Blue
5277 Sweet Pea Spring Flowering
Rose Pink

BRONZE MEDALS

- 5278 Sweet Pea Spring Flowering Blue
336 Antirrhinum Rosalie
4744 Scabiosa Dwarf Heavenly Blue
3127 Marigold Limelight

HONORABLE MENTION

- 543 Aster Early Giant Rose Marie
4685 Salvia Farinacea Royal Blue
3163B Marigold Double Lilliput Yellow
Pygmy
5279 Sweet Pea Spring Flowering
Lavender

Each of the above, pkt., 25c.

AGERATUM

Culture: A or B (May 15th to July 1st)

- 201 King of the Blues.** Excellent dwarf strain; the flowers are borne in clusters of deepest blue, but stand out individually, showing up most effectively over the miniature foliage. Pkt., 25c.
- 214 Fairy Pink.** A compact dwarf of delightful soft salmon rose pink. It begins to bloom when not more than 1½ to 2 inches high and grows until it forms a solid compact mass of blooms. Its maximum height in full bloom is not more than five inches. Pkt., 25c.
- 215 Mexicanum Venus.** Forms a dense bush about one foot high (varies) which is profusely covered with flowers. The buds are red, the petals are white and the center of the flower red; a plant in full bloom is very charming. Pkt., 15c.

For other varieties, see Page 41.

ANCHUSA

Culture: B (Feb. to July 15th), D or E (March-July)

- 7066 Affinis.** Probably the easiest to grow and without question the most graceful. Beauty lies in its gracious curves; uncurling racemes set with white-centered stars of imperial violet. Height some 40 inches. Sown early it will flower the first year. Pkt., 15c.
- 312 Avalon Hybrids.** Gracefully irregular with crosier-sprays of mellow cream, soft primrose, palest blue, azure, indigo, rose, pink, even carmine, in re-starring. Scarcely two flowers alike. Pkt., 20c.
- 7068 Morning Glory.** Clear blue, a little lighter than Lissadell but quite similar. Height about 5 ft. coming quite true. Buds appear a rosy-mauve but turn to clear blue as they open. Pkt., 20c.

For other varieties, see Page 41; see Perennial Pages.

ANTIRRHINUM

Culture: A or B (March or April), D or E (Feb. to March)

- 424 Giant Tall, Golden Rod.** The most rugged and most rust-resistant of all Snapdragons. Spikes stand up like rods. Plants are base branching, 26 in. tall with many unusually thick, erect, well-filled spikes of large, bright golden yellow flowers, the edges of which are delicately waved and crinkled. Pkt., 25c.

For other varieties, see Page 45.

- 320A Majestic Rose Princess.** Individual flowers are of giant size and the color is a brilliant cerise rose with center overlaid gold. Sturdy spikes of bloom that will make a grand display in the summer border. Pkt., 25c.

- 388 Little Giant.** A pure silvery pink, plants about 15 inches tall and of true nanum habit. Almost majestic in size of flowers. Pkt., 25c.

- 433 Baby Rose.** Very free flowering, compact plants covered with flowers of a deep pink self tint. Much deeper in color than the Magic Carpet we listed last year. Pkt., 20c.

- 336 Rust-Proof Grandiflorum Rosalie.** A rich deep rose with underlying tone of topaz or amber. The tube and lip are the same color, which greatly intensifies the depth and richness of color. Plants base branching and produce 6 to 8 huge flowering spikes on which the florets are decidedly well arranged. Awarded a bronze medal All-America 1940. 2½ ft. Pkt., 25c.

For other varieties, see Page 45.

AQUILEGIA

Culture: B (Feb. to July 15th), C (April to July), D or E (March-July)

- 7155 Long Spurred, Azure Fairy.** The flowers, which are extremely large, are delicate pale blue and white. A very charming addition to the perennial garden and lend themselves when cut for lovely table decoration. Pkt., 25c.

- 7144 Longissima Hybrids.** The introduction some years ago of Aquilegia Longissima, with its increased length of spurs, often 4 inches long, greatly enhanced its attractions, the only drawback being the existence of only one color, a pale yellow, though even this became immediately popular. We are therefore pleased to be able to offer this season a new race obtained by cross-fertilization with the multi-colored strain of Aquilegia Mrs. Scott Elliott's. These new Hybrids contain all the beautiful hues, in red, blue, white, rose, etc., of the latter, and this feature in conjunction with the unique length of the spurs—nearly as long as in the longissima type—and broader petals. We may add that they are hardier than the type and more lasting as a perennial. They will be found invaluable both for their artistic effect in the border and as a cut flower in vases. Pkt., 50c.

For other varieties, see Perennial Pages.

ARABIS

Culture: B (Feb. to July 15th), D or E (Mar.-July)

- 7198A Alpina, Snow-cap.** Extremely dwarf and compact habit—really shining, snow-white cushions of flowers. Pkt., 15c.

- 7201 Spring Charm.** This new Arabis is a very charming little spring flower, both for habit and color. It makes a nice bushy little plant of about 8 inches height, producing the flowers in fine upright spikes. The color is an intense carmine. Pkt., 35c.

For other varieties, see Perennial Pages.

BEGONIA

Culture: D or E (Jan. to Mar.)

- 1107 Multiflora, Tuberous-Rooted, "Home."** The flowers of this novelty are a strikingly beautiful shade, a bright salmon orange. The blooms, about 2½ inches across, are borne freely on stiff stems standing well above the narrow, dark green dense foliage. The plants reach a height of about 8 inches and are well adapted for borders and pot culture. Pkt., 50c.

For other varieties, see Page 46.

CALENDULA

Culture: A or B (March to May), D or E (March to April)

- 1200B Yellow Colossal.** Most profuse blooming of all large-flowered Calendulas. The well-formed bushy plants grow 18 in. high and are loaded with flowers. The flowers are extremely double, 4½ inches and more across. The long, gracefully curved petals are a clear, bright yellow. Plants begin blooming in 18 weeks and continue to bloom profusely for three months. Pkt., 25c.

- 1207 Trial Ground Mixture.** Saved from the trial grounds of one of our growers who specializes in Calendulas. This fine blend is composed of all of the standard varieties plus varieties on which they are working and not yet introduced. The color ratio is approximately 2/5 Lemon and 3/5 Orange. Pkt., 15c.

For other varieties, see Page 47.

CARNATION

Culture: D or E (March to May), A or B (March to July 15th)

- 1351 J. M. Bridgeford (Malmaison).** A truly giant type of the "Margaret" class, flowers 3 to 4 inches across, borne on long stiff stems and of all tints known to date, yellow being prominent among them. Seed should be started indoors and seedlings will bloom in three months. Pkt., 50c.

For other varieties, see Page 48.

CELOSIA

Culture: A or B (May 15th to June), D or E (March)

- 1472 Royal Velvet.** 2 ft. Produces center head and numerous long-stemmed cockscombs of richest carmine, or crimson, on basal branches. The combs are borne erect, foliage bronzy green with reddish margins. Pkt., 25c.

For other varieties, see Page 50.

CENTAUREA

Culture: B (Feb. to July 15th), D or E (March to July)

- 7428 Hardy Perennial Mixed.** A mixture made by one of our growers containing not less than thirty of these hardy centaureas. A real treat is in store for those who plant this mixture as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Pkt., 15c.

Culture: A or B (March to June), D or E (March to April)

- 1503 Cyanus Lilac Lady.** Is a dwarf growing variety like the Jubilee Gem, except in color, which is a bright lilac mauve. It is useful as an edging plant or for clumps in borders. Pkt., 20c.

For other varieties, see Page 49; see Perennial Pages.

CHRYSANTHEMUMS You Can Grow from Seed

Culture: A or B (Mar. to June), D or E (Feb. to Mar.)

- 1621 Korean Hybrids.** Easy to grow—sown in the spring they'll bloom this fall. Compact bushes, virtually covered with flowers; showy; unexcelled for cutting. Earliest blooming—the first of the season. Pkt., 50c.

- 1664 Coronarium Double Golden Crown.** Has a robust constitution, growing 3 to 4 ft. tall. It branches freely and blooms profusely, carrying from 50 to 60 flowers at one time. Rich golden flowers are double, with quilled petals. Pkt., 25c.

- 1647 Tricolor Double Fringed.** Improved Hybrids, choice mixed, rich colors, special selection for colors and doubleness. Pkt., 20c.

For other varieties, see Page 49.

COLEUS

- 1864 Glory.** A mixture of colors never seen before, such as bronze, pink, apricot shades, cream, etc. A remarkably fine strain; it is unequalled for the beautiful form and coloring of its large leaves. Pkt., 35c.

For other varieties, see Page 48.

DWARF CONVULVULUS or MORNING GLORY

Culture: A or B (May 15th), D or E (Feb. to April)

- 1922 Royal Ensign.** Is deep bright ultramarine blue; the deepest and brightest color of all blue annuals. The plants are fairly covered with their attractive blossoms all summer. Use for edging and borders. Pkt., 20c.

For other varieties, see Page 60.

COREOPSIS, Giant Double Flowers

Culture: B (Feb. to July 15th), D or E (Mar.-July)

- 7489 Grandiflora Double Sunburst.** Much of the beauty of summer gardenis due to the brilliant golden yellow of the Coreopsis. There is nothing that can take its place when yellows are so scarce. The flowers are double, 1½ to 2 in. across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c.

For other varieties, see Perennial Pages.

CORAL FLOWER □

1996 An annual of jewel-like daintiness, vivid coloring and very decorative spoon-shaped thick leaves. Many stems growing some 30 inches tall and bearing, in loose alternate clusters, little five-pointed blossoms of luminous pink; then come airy long hanging capsules each like a bead of polished coral. Hundreds of them on each spire-like stem. Full sun, easy to grow, but seed waits until soil is warm before sprouting. Pkt., 20c.

CUPHEA □

Culture: A or B (March to June)

1998A Avalon Hybrids. Curiously attractive, irregularly fashioned, blossoms in season-long profusion, the compactly foliaged plants seeming at a little distance to be covered with fluttering, bright-hued butterflies. There will be lavender, lilac, pure pink, rose-purple, crimson, fire-scarlet and vermilion, with all possible intermediate shades. An annual of easiest culture in any sunny place. Pkt., 25c.

For other varieties, see Page 50.

DELPHINIUM ①

Pacific Giant (Vetterle and Reinelt)

See Inside Back Cover.

Culture: A or B or E (March to April)

7523 Chinese "Blue Mirror." A new Chinese variety without spurs; very bright rich navy blue flowers. The five petals are arranged in open flat form. Fine for cutting or growing in masses. One of the best "blue" flowers. Pkt., 35c.

For other varieties, see Page 57.

DESERT SUNRAY (Baileya Multiradiata)

Culture: A or B (March to April)

7242 Charming flowers, with a thrifty, cultivated appearance like that of a garden flower. The plant is a foot tall with greyish-green, woolly stems and foliage, and the handsome flower is an inch and a half across, with a fine ruffle of many bright yellow rays, prettily scalloped, and a yellow center, rather deeper in color. Pkt., 35c.

DIANTHUS ①

Culture: B (Feb. to July 15th), D or E (Feb. to April)

7581A New Blue. A new pink found in Japan, growing in mountain crevices. A bright lavender-blue, the foliage is deep green, and the flowers are in trusses about 9 in. high. Flowers in July, August, and September. Pkt. (25 seeds), 35c.

DIANTHUS □

Culture: A, B or D or E (Feb. to April)

2237 Heddewigii Chabaud Hybrid, Salmon Shades. This handsome plant is a new break and quite unique in the Dianthus family, being the result of a cross made several years ago between D. Heddewigii and the Perpetual Carnation Chabaud. The result is a very fine race of Dianthus which can be warmly recommended, not only for bedding, but also as a cut flower. The plants branch from the base and throw up sturdy stems 12 to 16 inches high, crowned by large double flowers 2½ to 5 inches across in various beautiful shades of salmon. Pkt., 20c.

For other varieties, see Page 52.

DIASCIA □

Culture: A or B (March to June)

2306 Barberae. Pretty pink coral-like flowers, freely produced on slender stems during the whole of summer. Excellent for dwarf borders and makes a fine pot plant for indoor decoration. Height 9 inches. Pkt., 15c.

SHASTA DAISIES, Some with 7-inch Flowers ①

Culture B (Feb. to July 15th), D or E (Mar.-July)

7504 Giant Double. The long stemmed flowers grow up to 6 inches in diameter, some perfectly double, some semi-double and a small percentage single. The petals are fringed, lacinated or slightly tubular. Pkt., 35c.

7464 Diener's New Giant Double Ever-Flowering Shasta Daisy G. Marconi. The largest Shasta Daisy today, the flowers are around seven inches in diameter and stems 2½ to 3 ft. long. Originator's seed. Pkt., 50c.

7463 Diener's Fancy Chiffon Shasta Daisy Glendale. The flowers are 2 inches across and have fringed and lacinated petals, interlaced. Pkt., 25c.

For other varieties, see Perennial Pages.

DIMORPHOTHECAS, Dwarf and Prostrate types □

Culture: A or B

2323 Calendulacea Tom Thumb Yellow Gem. 5-6 in. This showy little plant bears flowers of bright yellow without zone or eye. Producing a wealth of bloom, it is excellent for bedding, edges or rock garden. Pkt., 25c.

2327 Orange Glory. Though of prostrate habit, the plants are compact. Bright orange star-like flowers are produced in great profusion, rich and deep in color; they attain a diameter of 2 to 2½ inches and make a splendid display all summer. Excellent for bedding purposes. Pkt., 25c.

For other varieties, see Page 53.

ERYNGIUM ①

Culture: B (Feb. to July 15th), C (Oct. to May)

7795A Bourgati. Handsome and vigorous species. The deeply cut leaves have light veins which are very attractive. The stems, flower-heads and radiant pointed petals are steel blue. June flowering. Pkt., 20c.

For other varieties, see Perennial Pages.

GAILLARDIA ①

Culture: A (March to July), B (Feb. to July 15th), D or E (March to July)

7813A Grandiflora Chloe. A new shade of Indian yellow. Pkt., 25c.

7830 Grandiflora Sun. Entirely new shades in perennial Gaillardias; bright golden yellow suffused with rich golden orange, deeper towards center of the flower. Pkt., 35c.

For other varieties, see Perennial Pages.

GODETIA □

Culture: A or B, D or E (March-April)

2594 Orange Glory. A break out of Kelvedon Glory, the fiery orange-cerise tone in Orange Glory completely eclipses the salmon-orange of the older variety. Flowers are slightly smaller but produced in great profusion. Pkt., 15c.

For other varieties, see Page 54.

HEBENSTRETIA □

Culture: A or B (May 15th), D or E (March-April)

2692 Comosa. Comes from South Africa, the home of so many of our very fascinating annuals, it produces spikes upwards of eighteen inches long, which bear innumerable quaint white flowers with orange-scarlet blotches set close together, giving the impression of tall Mignonette plants. In the evening the flowers exhale a delicious perfume, making them particularly valuable for planting near the windows of a house. The elegant habit and delicate coloring render this plant an ideal subject for summer bedding. Pkt., 15c.

HIBISCUS

Culture: B (Feb. to July 15th), D or E (March to July)

7967 Jumbo Red. ① This is the true strain of Giant Flowered Hibiscus. The flowers are of intense brilliancy, extra large size and far superior to the ordinary. Pkt., 15c.

2836 Trionum. □ The plants are neat and uniform in height, making them ideal for bedding or border purposes. They grow about 18 inches high, are stiff and rugged, requiring no staking, and bloom from June to frost-time. The flowers, which are about three inches across, are of a cream or light sulphur color, with a center of dark purple, dotted with short, bright orange stamens. The seed pods somewhat resemble the Japanese lantern (physalis) in shape, but are greenish yellow with slight flutings of dark red, with a lighter red line on each edge. It blooms from sunrise to sunset, after which it fades and a new set of blooms takes its place the next day. Pkt., 15c.

For other varieties, see Perennial Pages.

HEUCHERA ①

Culture: B (Feb. to July 15th), D or E (March to July)

7944 Hoodacres Hybrids. These are the result of 14 years of selection. Very vigorous and prolific. The bells are much larger than other sorts. The bloom stalks are tall; some have the habit of blooming twice in a season. Wide range of color shades. Pkt., 35c.

For other varieties, see Perennial Pages.

HOLLYHOCKS, New Strains □ ①

Culture: B (Feb. to July 15th), D or E (March-July)

8011 Allegheny Rosette. Large flowers of fine bright pink with rosette center and a wide row of guard petals. Pkt., 25c.

8018 Double Begonia Flowered Pastel Mixture. Grows about 5 ft., flowers 5 inches across, with fringed edge. Exclusive in U. S. A. Pkt., 25c.

8007 —Mixed "Souvenir de Madam Perrin." Semi-double flowers, good placement, wonderful color range. Pkt., 25c.

7988 —Double Scarlet. An extra choice perennial variety. Pkt., 25c.

7978 —Orange Prince. The flowers are wavy buff yellow with wine-red suffused over lower half of flower. Pkt., 25c.

For other varieties, see Perennial Pages.

IMPATIENS, Good for Shade □

Culture: A or B, (May 20th), D or E, (June-July)

2884 Sultani Queen Carola. Very attractive chamois colored flowers. Pkt., 35c.

2878 Pink Butterfly (Glanduligera). The growth is sub-tropically luxuriant, attaining a height of 5 to 7 feet. Free branching. Flowers large with wide lips, color is a really delightful clear, warm pink with just a suspicion of salmon. Pkt., 25c.

For other varieties, see Page 55.

IRIS ①

Culture: B (Feb. 10th to July 15th), C (Oct. to March)

8091 Dichotoma (August or Vesper Iris). Fragrant flowers on tall branching sprays. In bloom from July to early September. Variable in color, cream to violet-purple with markings of buff, orange, copper, brown, mahogany, and rose. Seed sown in early spring while soil is cool will germinate quickly and strongly. Usually a fair proportion will bloom the first summer. Pkt., 20c.

For other Iris, see Page 79.

JASIONE is a Cousin of the Scabiosa ①

8096 Humilis. A perennial of compact habit, about 1 ft. high, producing blue globe shaped flowers. Easy culture. Pkt., 25c.

LACE VERBENA (Zaluzianskya Villosa) □

Culture: A or B (March to June), D or E (March to April)

2973 Individual florets grow about ½ inch across and are so shaped as to resemble a snow crystal; most interesting and unusual. They are of a pleasing lavender color distinctly set off by a star-like spot of orange at the center. Low spreading plants 8 inches high. Long blooming season. Pkt., 20c.

LARKSPUR □

Culture: A or B, D or E (March-April)

- 2174 **Giant Imperial Montrose.** This variety, like Rosalind, is a true Giant Imperial (base branching) and non-shattering. The color is a clear rose-pink. The florets are exceptionally large, well and closely set on wiry spikes that are three to four feet long. Pkt., 20c.
- 2176 **Giant Imperial Rosalind.** A new color in Larkspur, rose with just enough suffusion of salmon to create a most pleasing new shade of rose-pink. True base branching in habit with a center spike four to five feet tall and from six to eight side branches three to four feet long, all emanating from the base. The spikes are wiry and the blooms practically non-shattering. Pkt., 20c.

For other varieties, see Page 57.

LAVENDER, for Its Fragrance when Dried

- 8117A **Hybrida Mixed.** Rose, white and blue mixed. Pkt., 15c.

LEPACHYS ①

- 8098 **Maroon and Gold.** Extraordinary plant, decidedly attractive and interesting, the flower-heads are little silky columns set successively with tiny blossoms and guarded at the base by wide petal-rays of richest maroon, gold-edged or rarely of all bronzy color. Blooms from seed the first year. Pkt., 15c.

LIATRIS, White Gayfeather from Seed ①

- 8117B **Scariosa Alba.** Stocky, almost bushy, it grows several full-flowering stalks two and one-half feet high. The stems branch freely, the lower ones being the longer, and the flowers are attractive white pompons thickly studding the main stalk as well as the branches. The chief resemblance to the liatris family is in the habit of blooming, for the top buds open first and then gradually down the stem. Valuable as garden and cut flower. Pkt., 35c.

For other varieties, see Perennial Pages.

Latest Marigold Creations □

Culture: A or B (May 15th to June), D or E (Feb.-April)

- 3173 **Burpee's Red and Gold Hybrids.** They grow 2½ to 3 in. across. Some are solid red with a brilliance never before seen in Marigolds; others are delightful combinations of red and gold. The flowers vary in color according to season and even in different flowers on the same plant at the same time. Pkt., 25c.
- 3137A **Carnation Flowered Golden West.** Improvement on Guinea Gold; blooms in 15 weeks after seed is sown; large flowered, flowers grow 3½ inches and more across with petals loosely and gracefully placed; color deep orange; foliage has the marigold odor. Pkt., 15c.
- 3139 **Carnation Flowered Lemon Gem.** The color is rich lemon-yellow, a few shades deeper than Marigold Yellow Supreme. Pkt., 25c.
- 3143 **Chrysanthemum Flowered Incurred Mixed.** Identical in form with incurred Chrysanthemum. Plants floriferous, stems strong, deep orange to light yellow flowers. Pkt., 20c.
- 3141 **Crown of Gold.** The first known marigold with odorless foliage. Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange, 2½-inch flowers, fragrant, 2½ feet tall. Pkt., 20c.
- 3181 **Dwarf Royal Scot All Double.** A new strain, with dwarf bushy growth, 10 to 12 inches. Color a rich mahogany and gold in uniform stripes. Pkt., 20c.
- 3184 **Ferdinand.** Tall Single French of the Harmony type. Saucy, sprightly and colorful, Ferdinand is one of the gayest of our new flowers. Ferdinand is single flowered with a neat round, rested center of dainty tubular florets in an arresting shade of golden yellow, surrounded by a single row of broad, mahogany-red guard petals. While the flowers are of only medium size, 1½ to 1¾ inches in diameter, they are extremely showy and attractive. The plants are tall growing, 20 to 24 inches, with an upright, semi-compact, yet full foliaged growth habit. Stems are well over a foot in length, making Ferdinand a fine new cut flower subject as well as an attractive and showy garden plant. Should be started early. Pkt., 25c.
- 3183 **Floribunda Orange.** Height 12 to 15 in.; about the color of Guinea Gold. Good size, full petalled, carnation flowered type. Plants extra early flowering; flowered profusely during mid-summer. Pkt., 15c.
- 3128 **Golden Glow.** Somewhat resembles in color and appearance the Rudbeckia Golden Glow. Petals are straight, sharply pointed and rather flat. Blooms about 2½ inches across and are borne in clusters. Pkt., 15c.
- 3127 **Limelight.** A new color, of pale primrose yellow or deep cream, in the Dixie Sunshine or incurred Chrysanthemum-flowered type. Early-flowering, stronger growing than Early Sunshine and darker free foliage. Not odorless. 1½-2½ inches in diameter, free-flowering and coming quite true. Pkt., 25c.
- 3163B **Yellow Pygmy.** Light lemon-yellow, Lilliput French double, growing only 8 in. tall and compact. Small, 1¼ in. blooms, rather free and exciting for edging beds. Dwarfier than Lemon Ball and similar to Primrose color in this group. Pkt., 25c.
- 3149 **Tom Thumb Golden Crown.** A dwarf form of Guinea Gold. Golden yellow flowers, of the same carnation type and firm substance, are produced in great abundance, often 25 to 30 on a plant. Fine for front row of border. 10 in. Pkt., 15c.

- 3152 **Orange Supreme.** Flowers are very large, 4 to 5 in. across, perfectly double, with an attractive loose petal formation. Edges of petals are nicely frilled and those in the center fold upward and inward, giving the flower the appearance of a peony. The intense orange flowers are borne on long, stiff stems, making them most desirable for cutting. Plants are much branched, upright growing, strong and sturdy, 2½ to 3 ft. tall and extremely uniform. Begin blooming in about 17 weeks from seed; continue to flower profusely until frost. Pkt., 25c.

For other varieties, see Page 59.

MORNING GLORY □

Culture: A or B (May 15th), D or E (Feb. to April)

- 2920 **Super Giant Japanese Mixed.** A wonderful advance in size of bloom over existing varieties. They are fully seven to eight inches in diameter, in many charming and delightful shades. Supplied in special packets, illustrated by a Japanese artist. Pkt. (12 seeds), 50c.

For other varieties, see Page 60.

PETUNIAS, New Colors and Types □

Culture: Small Flowered, A or B (Mar.-June), Small Flowered D or E (Mar.-April) Large Flowered, D or E (Feb. to April)

- 3996 **Admiral.** Re-selected. Single, small flowered dwarf blue. The flowers have wavy edges and are of clear blue. Pkt., 50c.
- 3998 **Blue Ball.** Dwarf. Velvety violet blue excelling Blue Bird and Alderman by its earlier flowering habit and being more dwarf and erect of growth. Pkt., 25c.
- 4073 **Blue Beauty.** A new late flowering, clear, deep blue. Flowers of extra large size on plants of vigorous growth. Extremely free flowering. Pkt., 35c.
- 4057 **Burgundy.** Large-flowered, 3½-inch blooms, purple or carmine with white throat, violet veins. Pkt., 30c.
- 4060 **Hybrida Grandiflora Columbia.** Pleasingly attractive large pink and white flowers. Upright habit. Excellent border plant and fine for cutting. Pkt., 25c.
- 4003 **Cream Star.** A dwarf small flowering variety, extremely free bloomer all season, true and absolutely distinct. Flowers are a soft creamy white, bluntly star-shaped, and with a star of cream coloring on the white flowers. Silver Medal All-America Award 1940. Pkt., 25c.
- 4049 **Dainty Lady.** A large-flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. The plants are semi-dwarf and free-flowering, bearing medium sized, delicately fringed flowers. Pkt., 35c.
- 4054 **Golden Jubilee.** It has fringed 3½-inch flowers of bright carmine, tinged scarlet, with a golden throat, light bronze markings. Pkt., 35c.
- 4022 **King Henry.** Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.
- 4023A **Snow Bedder.** A new break in dwarf white colored Petunias and is much more base-branching than others. In height this does not exceed 10 inches but when well grown fully covers 24 inches of ground. The snow-white flowers which measure about 2½ inches across literally cover the whole plant. Pkt., 25c.

ALL-DOUBLE VARIETIES

- 3937 **Appleblossom.** It is dwarf, bearing large double-fringed flowers on 12 to 15 inch plants. Ideal bushy plants with huge double appleblossom pink flowers. There are some carnation flowered or smaller semi-double flowers mostly of deeper shades, borne on taller plants.
- 3936 **Amaranth Red.**
- 3939 **Dwarf Carmine Glory.** Peony-flowered.
- 3942 **Dwarf Giant-Fringed Loveliness.** Clear pink. Very double, compact.
- 3938 **Dwarf Rose-Carmine (World Beauty).** Fringed.
- 3943 **Gaiety.** Rose-red and white, frilled flowers 3½ inches.
- 3944 **Orchid Beauty.** Fringed flowers 4 in. across on plants a foot tall.
- 3945 **Purple.**
- 3941 **Snowball.** Dwarf, pure white fringed. Each of the above All Double Petunias, pkt. (75 seeds), 50c.
- 3934 **Dwarf Giant Fringed Mixed (Victorious).** The flowers are very large, exquisitely ruffled and fringed and contain a good range of brilliant colors. Pkt. (100 seeds), 50c.

For other varieties, see Pages 64 and 65.

PHYSALIS ①

- 8346 **Gigantea.** The attractive orange-scarlet balloon-shaped seed pods are very large and will make excellent winter decorations. Pkt., 20c.

For other varieties, see Perennial Pages.

POPPY ①

Culture: B (Feb. to July 15), D or E (March to July)

- 8272 **Nudicaule Cardinal.** In the Iceland Poppy varieties, the red color was long missing. This variety is a beautiful clear brilliant cardinal-red. The flowers are carried on long and strong stems. Cut in bud-stage, the flowers will keep for a long time. Pkt., 25c.
- 8302 **Latiritium.** It is a distinct species. The foliage is feathery with a slight blue cast. Flowers are terra-cotta, tinted roseate salmon, borne on 20 in. stems, a flower to each stem. Grow in well drained location. Pkt., 35c.

For other varieties, see Perennial Pages.

PYRETHRUMS, Doubles and Giant Singles ①

Culture: B (Feb. to July 15th), D or E (Mar.-July)

These large flowers, well named "Painted Daisies," blossom with the tall Iris and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.

- 8438 **Robinson's Hybrids.** A selection made by an English specialist, with a fine color range of single overlapping petals carried on long stiff stems. Pkt., 25c.
- 8438A **Robinson's Dark Crimson.** A selection from above. Pkt., 25c.

DOUBLE

They flower in May and June. Come about 60 to 70% true double; balance will be semi-double and fine single sorts.

- 8433 **Blood Red.** Pkt., 50c.
- 8433A **Double Sulphur.** Pkt., 50c.
- 8432B **Double Pink.** Pkt., 35c.
- 8434 **Double White.** Pkt., 50c.
- 8434A **Double Salmon.** Pkt., 35c.

For other varieties, see Page 80.

RUDBECKIAS, "Gerberas of the North" ①

Culture: B, D or E.

- 8465 **Herbstwald Autumn Tints.** 2 ft. A perennial which blooms the first year from seed sown in March, furnishes admirable cut flowers until late fall. Large starflowers of fiery autumn coloring resembling gerberas. They prefer a sunny location and are called "Gerberas of the North." Pkt., 25c.

- 8467 **Double Kelvedon Star.** A double and semi-double form of Kelvedon Star. The lively shades golden yellow and mahogany are very attractive. Pkt., 20c.

For other varieties, see Perennial and Colored Pages.

DWARF SALPIGLOSSIS □*Culture: A or B (Mar.-April)*

4620 Dwarf Giant Flowered, Mixed. These have a compact branching habit, with individual flowers half again as large as the Emperor type. Ideally suited for bedding purposes as they cover the entire head of the plant with blossoms. Pkt., 20c.

For other varieties, see Page 68.

SALVIA □*Culture: A or B (March-May), D or E (March-April)*

4653 Splendens Fire Charm. Very dwarf early flowering red. Pkt., 25c.

4685 Royal Blue. Annual Farinacea variety, growing erect and of more intense color than Blue Bedder. Fine bushy plants, nice long spikes for cutting, and true. Pkt., 25c.

For other varieties, see Page 67.

SCHIZANTHUS*Culture: A or B (March to June), D or E (March to April)*

4753 Vaughan's Dwarf "Masterpiece." This is to our knowledge the best strain of Schizanthus in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The flowers vary from light pink to dark violet, all with conspicuous blotches. Pkt. (100 seeds), 50c.

For other varieties, see Page 68.

SCABIOSA of Giant Hardy Strains ①*Culture: B (Feb. to July 15th), D or E (Mar.-July)*

8494A Caucasicca Vaughan's Special Mixture. Large fringed and ruffled flowers from lavender to dark blue and some pure white. Pkt., 25c.

8496 Fischeri. 2½ ft. Of Manchurian origin, easy to grow, and a long lived perennial. Flower is 2½ inches across, of beautiful blue-purple. Pkt., 25c.

8496A Webbiana. Large fluffy flowers of pure true cream, splendid hardy variety always in bloom. Cuts well. Neat foliage, blooming June to November. Pkt., 20c.

Culture: A or B (March to June), D or E (Feb. to March)

4744 Heavenly Blue. □ A distinct and lovely azure-blue annual variety, very early flowering and exceptionally free. Plants are dwarf, 18 in., bushy and loaded with rather short but wiry stemmed, high crowned double flowers, suitable for bedding and lower cutting arrangements. Pkt., 25c.

For other varieties, see Page 68 for Annuals, and Perennial Pages for others.

SWEET PEAS □**EARLY FLOWERING SPENCER***Culture: A, D or E (March to May)*

5359 Cinderella. Pure clear, pale or silver blue. The blossoms are very large and highly frilled. Pkt., 15c.

5369 Delicious. The color is hard to describe. It reminds one of crushed strawberries and Devonshire cream blended together in a delicious combination. Pkt., 25c.

5441 Iris Blue. Its color is a deep "Iris Blue" with the widespread wings keeping to a bit lighter hue than the standard, which is very broad and quite wavy. Pkt., 15c.

5506 Peeress. Is a robust growing variety and gives a heavy crop of blossoms, usually four grand flowers on each fine long stem. The color is quite distinct and very pleasing, being a clear rose cerise, a very pretty shade. Pkt., 25c.

5519 Princess Blue. Rich light blue. Pkt., 15c.

5525 Rose Picotee. Pure white with salmon-rose edging or picotee. It is definitely a new color in the early group. Pkt., 15c.

5541 Skippy. A new and very pleasing shade of light salmon-pink. Pkt., 25c.

5551 Titania. Mammoth flowered deep rose self, the white ground at the base of the standard and wings enhances its beauty. Pkt., 25c.

For other varieties, see Page 69.

LATE FLOWERING SPENCER

4994 Multiflora Abundance. Forerunner of a new type distinguished by the abundance of flowers. Six flowers on the stem is the rule, but seven, eight or nine flowers are not uncommon. Plants vigorous, and flowers of good size. Color a bright mauve, approaching orchid. Pkt., 15c.

5017 Multiflora Horn of Plenty. The flowers are large and well formed. The outer portion of the standard is blush-rose-pink, gradually becoming lighter blush-pink and then blending into white at the center. The back of the standard carries about the same coloring as the front but just a trifle lighter. The wings have exactly the same coloring as the standard; it is the same on both sides of the wings with the inner side being somewhat more glistening. Pkt., 25c.

5000 Daddy Long Legs. The outstanding characteristic of this new Sweet Pea is its remarkably long, strong stems, each carrying four large, well-formed flowers. The standard and wings are a beautiful cerise shade so heavily veined and suffused with a warmer and brighter scarlet-cerise tone as to give the general effect of glowing scarlet-cerise. The suffusion of scarlet is heaviest towards the margins. Pkt., 25c.

5208 Salmon Gigantic. This new salmon-pink Sweet Pea has great plant vigor, enormous sized blossoms which are nicely waved and frilled and produced on fine long stems. A salmon-pink that is delicate and yet decidedly rich and bright. Pkt., 25c.

TITHONIA □

5647 Avalon Earliest. For great spectacular effects, a vivid background screen, a flame-flecked living green wall, no annual surpasses, or even approaches, this gorgeous Tithonia; and it is of the easiest possible culture. Sow the seeds right where the plants are to stand, making the sowing after the soil is warm, and the weather reasonably settled. By mid-July the plants will be in bloom, full then till frost. If earlier blooming is desired, sow under glass and transplant. The plants grow to seven feet or more. The big, long-stemmed blossoms range from orange topaz through tangerine to those with burnished overseen of scarlet fire. Pkt., 25c.

For other varieties, see Page 70.

SWEET WILLIAMS ①*Culture: B (Feb. to July 15th), D or E (Mar.-July)*

7716 Superb Mixture of New Colors. One of the most satisfactory perennials. Seed germinates readily and the second year a bed of them will be a mass of bloom in new and interesting colors. Pkt., 25c.

7688 Midget Single Mixed. 3-4 in. The habit of this Sweet William Dwarf Alpine Mixed is very uniform, each plant being about the same size, both in height and circumference. Our blend contains a wonderful color balance. The blooms, which almost entirely cover the foliage, are large flowered. This little Sweet William should make a wonderful perennial border and pot plant. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most of the blooms being tri-colored. Pkt., 25c.

7659 Homeland. In June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is the most welcome. "Homeland" is of a most unusual color, dark red with large sharply defined clear white center. Pkt., 35c.

For other varieties, see Perennial Pages.

Valuable Verbenas □*Culture: A or B (May 15th), D or E (Feb.-April)*

5748 Blue Sentinel. A dwarf variety of rich navy blue with medium size florets and trusses. Plants are 10 to 12 inches high and compact; the trusses are held erect above the foliage. Pkt., 20c.

5736 Crimson Glow. A pure glowing crimson without an eye, first of this color in the hybrida class, rounding out the color range. Pkt., 20c.

Cyclop (Romeo and Juliet). Shape of the heads of this new strain is large, all round, even globular; the single flowers as large as the largest of the old strain. Each flower has a large white eye, animating the whole impression. These Verbenas bloom abundantly throughout the whole summer, if grown in a sunny place.

5714 Pelargonium-red with great white eye, vivid bright color. Pkt., 25c.

5715 Dark blue, with great white eye, especially beautiful contrast with the white eye. Pkt., 25c.

5716 Cyclops Mixed. Pkt., 25c.

5699A Gigantea Brilliant. The color is a rich, deep flame rose, with a medium sized white eye. The white eye helps to bring out the intense flame color in the rose. Pkt., 25c.

8566A Bonariensis. ① The plants attain a height of about 4 feet and produce masses of rosy-violet flowers. We have raised this from seed and have found it comes quite true. We recommend this Verbena as a grand addition for the back of the herbaceous border. Pkt., 15c.

For other varieties, see Page 71.

VIOLA ①*Culture: A or B (March-April)*

5811 Calcarata. A long-stemmed variety of grace and beauty. Makes dense wide cushions set above with flowers early and late. A royal indigo with radiate penciling, but there will also be purple, cream or rare pink lilac. An enduring perennial. Pkt., 20c.

5796A Jovi. In full flower by early April, before its own leaves appear. It is then a cushion mound of pink lilac, hundreds of blossoms in a veritable color-turf of their own making. Usually reblooms in autumn. Sometimes called Jewel Violet. Pkt., 25c.

5797A Comuta "Jackanapes." The profusely flowering 6-8 in. high cushions of this Viola resemble a gay party of small pert imps. Its numerous saucy flowers are borne on strong stems. The two upper petals of the dainty flower are dark mahogany; the bright golden yellow of the three lower petals forms a fine contrast. Owing to their continuous flowering, Viola "Jackanapes" is a delight from spring to autumn. Pkt., 25c.

5811A Nigra or Black Imp. Quaint little flowers that might have been snipped from black velvet. It is about the closest to black of any flower, merest hint of violet reflection, and it comes true from seed. Of exceeding floriferousness. May be naturalized effectively. Blooms quickly first year from seed, putting on a three-month show. Pkt., 25c.

For other varieties, see Page 72.

Zinnia □*Culture: A or B (May 15th), D or E (March-April)*

5891 David Burpee. Strikingly different, of a form never before seen in Zinnias, with the petals attractively curled and quilled. Flowers of tremendous size, measuring up to 6 inches across and from 4 to 5 inches in depth on long stems. Pastel shades predominate, such as soft cream, chamois, buff, terra-cotta, apricot, burnt orange, soft rose and peach. Some of the flowers are of the solid self color, while others contain combinations of 2 and 3 colors.

The above is the introducer's description; we have not had the opportunity to inspect them. Pkt. (40 seeds), 25c.

6050 Lilliput Tom Thumb Mixture. Plants grow only 4 to 6 inches tall, very compact, covered with flowers of red, orange, yellow, pink and other pastel shades. ½ oz., 50c; pkt., 15c.

6172 Navajo Mixed. 18 in. Flowers of medium size, double and semi-double. Each petal is heavily tipped white, or yellow for bicolor effect. Colors lilac, lavender, russet, crimson, orange, yellow, pink. Pkt., 15c.

5892 All Giant Indian Summer Mixed. Only the bright warm colors of the Dahlia flowered and California Giants are included in this mixture. The colors are scarlet, orange, yellow, white, cherry and salmon-rose; as rich and mellow as a maple grove in autumn. Pkt., 25c.

For other varieties, see Pages 72, 73, 74.

Two Tropical Water Lilies Prepaid 600 Miles \$3.50 Value \$4.25

One each Mrs. James, finest pink, and Governor Emerson, spectacular blue (see below for full descriptions of these outstanding varieties).



TROPICAL WATER LILY GOV. EMERSON

No other feature of landscape design can take the place of the garden pool. In the small garden it creates an illusion of space. Every garden needs the clear blue reflection of the sky as part of its pattern. And it would be difficult to find a satisfactory substitute for the colors, the fragrance and the form of both Tropical and Hardy Water Lilies.

It can be made to harmonize with either natural or formal styles. It will furnish a home for gold fish and other aquatic animal life, while the bog plants and water lilies which can be grown in it have both beauty and strangeness to attract all.

For all its beauty, no plant is less exacting than the Water Lily. Full sun—warm water—and a bushel of soil per plant (even less for the tub varieties) are all these exotic beauties demand to produce flowers through the entire summer.

Tropical Water Lilies

Although these cannot be set out until after June 1st in the vicinity of Chicago, by August 1st they have produced dozens of huge flowers. Must have warm water with full exposure to sun. All are day bloomers except Missouri.

PINK

Pink Pearl. We are discontinuing the variety Pershing because Pink Pearl is brighter in color, freer flowering and easier to grow, although slightly smaller. For a larger variety than Pershing, plant Mrs. James. \$2.00.

Mrs. W. R. James. Larger flowers than Pershing, deeper and richer pink coloring, a better grower. \$2.25

Other Pinks at \$2.00: Mrs. C. W. Ward, Independence.

BLUE AND PURPLE

Francis Beardsley Griffith. Unquestionably the best royal purple. Free-blooming, vigorous, and in every way desirable. \$2.25.

Governor Emerson. Superior to both Mrs. Whitaker and Blue Beauty, slightly darker in color. Huge flowers of clear sky-blue. \$2.00.

August Koch. Indispensable in the larger collection. Soft lavender-blue flowers, small, but borne with great freedom. \$2.00.

Other Blues and Purples at \$2.00 each: Col. Lindbergh, Henry Shaw, Blue Beauty, Mrs. Edw. Whitaker, Marmorata.

WHITE

Missouri. The only night bloomer that is satisfactory for the amateur. For sheer beauty by moonlight, no lily can surpass this. \$2.00.

Mrs. George Pring. The best white day bloomer. Extremely fragrant. \$2.00.

OXYGENATING PLANTS FOR POOLS

We offer collection of the following: Anachris, Cabomba, Myriophyllum, Vallisneria and Sagittaria. 50c; complete (by mail, 60c).

CULTURE OF WATER LILIES

SOIL: Any good garden loam is satisfactory, but where soil must be brought in, the best type is a heavy clay loam of the type used for roses. Do not use gravel, sand, peat or leaf mould.

FERTILIZER: To ten parts of soil, add one part of Vaughan's **Balanced Plant Ration**, and mix well. Or one part of shredded cattle manure or pulverized sheep manure may be added to four parts of soil.

BOXES: In small pools, the plants are best set in boxes, which, if made of pine or cypress and kept under water, will last for 20 years. Boxes should be at least 12" deep and 18" by 18" in surface area. While certain varieties can be grown in smaller boxes or tubs, these do better in the larger container.

PLANTING: Fill the boxes within two inches of the top, and pack well. Set the tuber upright, leaving about two inches of the crown above the surface of the soil. Then fill to within half an inch of the top with coarse sand. If large gold fish are kept in the pool, a thin layer of coarse gravel will keep them from disturbing the soil.

Three Hardy Water Lilies \$3.50

Prepaid 600 miles. Catalogue Value \$6.25

One each of the three choicest in their colors, Somptuosa, giant pink; Escarboucle, vivid crimson; Gonnere, snowball white (see below for full descriptions of these marvelous hardies).

Hardy Water Lilies

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals.

PINK

Amabilis. Outstanding novelty. Largest pink—flesh rose at tips, deepening to rich rose at center. Very free. First time at this low price. \$2.75.

Pink Opal. A jewel for small pools or tubs. Cup-shaped, very fragrant deep pink flowers. \$1.25.

Odalisque. A larger Pink Opal. New. \$3.00.

Mrs. Richmond. Last offered by us in 1934. Good stock scarce. Outstanding large pink. Faint suffusion of lilac makes this unique. \$3.50.

Somptuosa. One of the largest true pink hardies. Really sensational when in bloom. Ours is the true variety, which is scarce. \$2.00.

Standard Pink Varieties also available at \$1.50 each: Rose Arey, Morning Glory, Eugenie de Land, Rene Gerard, and Marliac Rose.

YELLOW

Sunrise. This variety is always high priced because it is so much in demand that stock cannot be built up. We recommend planting with the Tropicals as well as in pool with hardy varieties, as it is better than so-called "yellow" Tropicals. \$2.25.

Chromatella (Marliac Yellow). Easy to grow, very free, and the standard yellow. \$1.25.

Morrei. A miniature yellow for small pools. Deepest and brightest color of all. \$2.00.

RED

Escarboucle. Bright crimson, with scarlet center. Most striking of all. True stock. \$2.25.

James Brydon. Deep globular red flowers. Of moderate growth and fine for small pools. \$1.75.

Attraction. Garnet with ruby shadings. The standard high quality red. \$2.00.

Gloriosa. Deep carmine-rose, free and vigorous. \$1.75.

WHITE

Gonnere. This white snowball has over 80 petals. Perhaps the finest white. \$2.00.

Marliac White. Except for Gonnere, it is the best white. Cup-shaped flowers. \$1.25.

Hermine. Unique tulip-shaped flowers of exquisite purity. Perfect for small pools and tubs. \$1.50.

White Novelties. Virginalis, largest white, scarce, \$5.00; Albatross, large, of ethereal form, \$2.00; Gladstone, medium size, very strong grower. \$1.50.

SUNSET OR CHANGEABLE COLORS

Sioux. Largest sunset variety, brassy yellow deepening to copper as flowers age. \$1.75.

Indiana. Best for small pool. Opens coppery yellow, deepens to copper red. \$1.25.

Paul Harlot. Perhaps the most reliable sunset. Opens soft yellow, deepens to apricot. \$1.50.

Other Changeables. All \$1.75 each. Comanche, flowers held above water like Tropicals; Aurora, rosy yellow, deepens to blood red; Solfatare, opens cream, deepening to rosy copper.

COLLECTION FOR TUB OR SMALL POOL. Complete..... \$2.00

One dwarf water lily (our selection of variety, but your choice of color: pink, yellow, red, changeable, or white); also two floating plants, three submerged aquatic plants, and six Iris versicolor for the edge of the pool. (By mail, add 15c for postage.)

COLLECTION FOR AVERAGE SIZE POOL. Complete..... \$3.75

Two hardy water lilies (our selection of variety, but your choice of colors: white, red, pink, changeable, or yellow); also six floating plants, three submerged aquatic plants, and six assorted bog plants for marginal planting. (By mail, add 25c for postage.)

MARLIAC TRIO. Complete..... \$3.00

One each Marliac white, yellow and rose, postpaid 300 miles.

Vaughan's Bent and other Fancy Grass Seeds

Bent Lawns From Seed

ASK FOR OUR BENT LEAFLET

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

For a long time the planting of creeping bent stolons was the only way known to obtain a turf of pure creeping bent. Then creeping bent which produced seed was found growing wild on the Pacific coast.

It is cheaper to grow creeping bent from seed and the varieties grown from seed do not spread so fast as the varieties grown from stolons, and, therefore, do not require so much cutting. Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT

Astoria Bent is identified by its numerous rootstocks which spread underground and throw up new shoots, making a very thick turf and by the presence of runners above ground in the early stages of development. This bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as creeping bent. We highly recommend this type.

SEASIDE BENT

This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent. It is very popular along the coastal sections of the country.

Creeping Bent Stolons. Produce a fine turf in one season but must have several top dressings a year and frequent mowing. For \$16.00 we will send you enough to plant 1,000 square feet. 500 sq. ft. for \$9.25; 250 sq. ft. for \$5.25. Transportation charges extra. Plant during May or June, or latter part of August to the latter part of September.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

OUR BENT LEAFLET IS INCLUDED IN EACH BAG

★**ASTORIA BENT GRASS.** Price, ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.35; 5 lbs., \$5.50; 10 lbs., \$10.75; 15 lbs., \$15.75; 25 lbs., \$25.00.

★**SEASIDE CREEPING BENT GRASS.** Price, ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.10; 2 lbs., \$2.20; 3 lbs., \$3.20; 5 lbs., \$5.25; 10 lbs., \$10.25; 15 lbs., \$15.00; 25 lbs., \$23.75.

European Mixed Bent (so-called "Creeping Bent") is a natural mixture of Bents including Creeping Bent, Velvet Bent, and Colonial Bent. Price, ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.10; 3 lbs., \$3.20; 5 lbs., \$5.25; 10 lbs., \$10.25.

Colonial Bent Grass makes a fine close turf of excellent color. Not a surface creeper. Price, ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.10; 3 lbs., \$3.20; 5 lbs., \$5.25; 10 lbs., \$10.25; 15 lbs., \$15.00; 25 lbs., \$23.75.

Fancy Kentucky Blue Grass

POA PRATENSIS

Extra Heavy Sun-Cured Seed. Specially re-cleaned. Price, ¼ lb., 25c; 1 lb., 45c; 3 lbs., \$1.35; 5 lbs., \$2.20; 10 lbs., \$4.00; 15 lbs., \$5.90; 20 lbs., \$7.75; 25 lbs., \$9.50; 50 lbs., \$17.00.

Fancy Seed, actual weight, 21 lbs. per bu. (Standard grade of re-cleaned blue grass.) Price, ½ lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.40; 20 lbs., \$5.80; 25 lbs., \$7.15; 50 lbs., \$14.00.

WHITE CLOVER

Extra Fancy Seed. Price, ¼ lb., 25c; ½ lb., 45c; 1 lb., 85c; 2 lbs., \$1.70; 3 lbs., \$2.50; 5 lbs., \$4.10; 10 lbs., \$8.00; 15 lbs., \$11.90; 20 lbs., \$15.75; 25 lbs., \$19.50.

Choice. Mixed with Alsike. Price, ¼ lb., 25c; ½ lb., 40c; 1 lb., 75c; 3 lbs., \$2.20; 5 lbs., \$3.60; 10 lbs., \$7.00; 25 lbs., \$17.00.

Kentish Wild. Particularly suited to pastures and poor soil. More permanent than common white clover. It has a vigorous spreading growth. Price, ¼ lb., 50c; ½ lb., 90c; 1 lb., \$1.75; 2 lbs., \$3.50; 3 lbs., \$5.15; 5 lbs., \$8.50.

RED TOP GRASS (Agrostis alba)

Extra Fancy, re-cleaned solid seed. Price, ¼ lb., 20c; 1 lb., 30c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 25 lbs., \$5.75; 50 lbs., \$10.00.

Poa Species

OF THE BLUE GRASS FAMILY

★ROUGH STALKED MEADOW GRASS

(*Poa trivialis*). A fine shade grass in the Northern half of the United States if it can have enough moisture. This grass is a perennial and a creeper. Sow in Fall or Spring at rate of 1 lb. to every 300 sq. ft. Price, 1 lb., 65c; 3 lbs., \$1.90; 5 lbs., \$3.10; 10 lbs., \$6.00; 15 lbs., \$8.70; 20 lbs., \$11.25; 25 lbs., \$13.75; 50 lbs., \$25.00.

Wood Meadow Grass (*Poa nemoralis*). A shade grass in the north. Grows in rather dry soils. Sow in Fall or Spring. Price, 1 lb., \$1.00; 3 lbs., \$2.95; 5 lbs., \$4.75; 10 lbs., \$9.00; 25 lbs., \$22.00.

Poa Annua. An annual blue grass that reseeds itself. This grass does not grow very tall. Ask for prices.

Canada Blue Grass (*Poa compressa*). Valuable on poor soils and clay. It does not make so dense a growth as the Kentucky Blue Grass, and color is not so pleasing. Used particularly for pastures. Sow 40 to 60 lbs. per acre for pasture; in Fall or Spring. Price, 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 25 lbs., \$7.00; 50 lbs., \$12.50.

Miscellaneous

Awnless Brome Grass (*Bromus inermis*). Very strong, quick growth, making two crops of very abundant pasture. It prevents washing on the banks of streams. Good in very sandy soils because of its strong spreading root system. Not a lawn grass. Sow in the Spring, 2 bushels per acre (14 lbs. to bushel). Price, 1 lb., 30c; 5 lbs., \$1.35; 10 lbs., \$2.50; 25 lbs., \$5.60; 50 lbs., \$9.75; 100 lbs., \$17.50.

Timothy (*Phleum pratense*). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better). Price, 1 lb., 25c; 2 lbs., 40c; 3 lbs., 55c; 5 lbs., 70c; 10 lbs., \$1.20; 1 bu., \$4.85 (45 lbs.); 100 lbs., \$7.50. Timothy not prepaid in lots of 1 bushel and over. Grain bags, 30c each extra.

Red Canary Grass. A fine perennial for hay or pasture on low marshy land. Use 5 to 8 lbs. per acre broadcast and 3 to 5 lbs. with drill. Sow early in Spring or August, September. 1 lb., 35c; 5 lbs., \$1.60; 10 lbs., \$2.90; 25 lbs., \$6.25; 100 lbs., \$20.00.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

English or Perennial Rye Grass (*Lolium perenne*).

A lawn grass where quick results are wanted. Price, 1 lb., 30c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 20 lbs., \$4.75; 25 lbs., \$5.75; 50 lbs., \$10.75; 100 lbs., \$20.00.

Italian Rye Grass (*Lolium italicum*). An annual, generally lasting a second year, however. Develops rapidly. Used in the south for Winter lawn grass. Sow in October in the south, Spring or Fall in the north. Price, 1 lb., 30c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 20 lbs., \$4.75; 25 lbs., \$5.75; 50 lbs., \$10.75; 100 lbs., \$20.00.

Domestic Rye Grass. The Italian type of rye grass, grown in this country. Price, 1 lb., 25c; 3 lbs., 70c; 5 lbs., \$1.10; 10 lbs., \$2.00; 15 lbs., \$2.90; 20 lbs., \$3.50; 25 lbs., \$4.00; 50 lbs., \$7.00.

GOLF

We have a golf department prepared to give expert service. Let us quote on your requirements.

ROOTONE

We will supply treated seed at 5c per lb. extra.

BIRD SEED

Canary Seed. Postpaid. 1 lb., 25c; 5 lbs., 95c; 10 lbs., \$1.65.

Rape (Black or Red). Postpaid. 1 lb., 25c; 5 lbs., 95c; 10 lbs., \$1.65.

Hemp. Postpaid. 1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.25.

Sunflower. Postpaid. 1 lb., 30c; 5 lbs., \$1.10; 10 lbs., \$1.80.

Vaughan's Special Canary Mixture. Postpaid. 1 lb., 35c; 5 lbs., \$1.20.

Finch Seed. Postpaid. 1 lb., 25c; 5 lbs., 95c; 10 lbs., \$1.65.

Parakeet Seed. Postpaid. 1 lb., 25c; 5 lbs., 95c; 10 lbs., \$1.65.

Cuttle Fish Bone. Postpaid. Small, 8c; Large, 13c each.

Fescues

★CHEWING'S FESCUE (NEW ZEALAND GROWN).

This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., 85c; 2 lbs., \$1.70; 3 lbs., \$2.50; 5 lbs., \$4.10; 10 lbs., \$8.00; 15 lbs., \$11.90; 20 lbs., \$15.75; 25 lbs., \$19.50; 50 lbs., \$38.50.

Slender Fescue or Fine-Leaved Sheep's Fescue

(*Festuca tenuifolia*). A low growing perennial that makes a good grass to sow between stepping stones. Does well on dry and inferior soils as well as in shady places. Sow in Fall or Spring, 1 lb. to 200 sq. ft. Price, 1 lb., \$1.00; 2 lbs., \$2.00; 3 lbs., \$2.95; 5 lbs., \$4.75; 10 lbs., \$9.00.

English Blue Grass or Meadow Fescue (*Festuca elatior pratensis*).

Grows quickly and has broad blade. Should be sown with other grasses. Particularly a pasture grass. Sow in Fall or Spring, 30 to 50 lbs. per acre. Price, 1 lb., 30c; 5 lbs., \$1.35; 10 lbs., \$2.50; 25 lbs., \$5.75; 100 lbs., \$20.00.

FOR SOUTHERN LAWNS

Bermuda Grass (*Cynodon dactylon*). The grass for southern lawns and pastures; hard to kill; resists drought. Should be planted for permanency only in the south; winter kills in the north. Sow in Spring, 100 lbs. per acre for lawns (30 lbs. to bushel). Price, 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.15; 10 lbs., \$4.25; 25 lbs., \$9.75; 50 lbs., \$18.50; 100 lbs., \$35.00.

Winter Grass. For a winter grass in the south use rye grass or red top.

SPECIAL LIST OF FIELD SEEDS

We carry a complete list of clover and other farm and field seeds of the highest quality. A laboratory report of purity and germination sent with every lot. A special price list will be sent upon application, or we will quote specially upon your exact needs. Address:

Field Seed Department

Nu Green

A grass disinfectant for brown patch prevention and control. 3 oz. tin, 35c; 1 lb., \$1.45; 5 lbs., \$6.30; 25 lb. pail, \$29.00; 100 lb. drum, \$115.00. Write us for booklet.

Vaughan's Chicago Parks Lawn Seed

Prepaid Anywhere
in U. S. A.

1 LB. 45¢

½ Lb.,	\$0.25
2 Lbs.,	.90
3 Lbs.,	1.35
5 Lbs.,	2.20
10 Lbs.,	4.00
15 Lbs.,	5.90
20 Lbs.,	7.75
25 Lbs.,	9.50
100 Lbs.,	35.00

PREPAID IN U. S. A.



THE market is flooded with cheap mixtures, adulterated with quick show grasses such as timothy, a hay seed whose coarse stems ruin the lawn. The few cents saved are soon forgotten, while the troubles and expense due to poor seed far exceed the saving. Buy only seed on the quality of which you can depend.

We unreservedly recommend Vaughan's Chicago Parks Lawn Seed wherever a lawn is desired which combines the maximum of beauty and durability with a minimum of expense and care. This splendid formula remains the universal favorite.

The basis of VAUGHAN'S "CHICAGO PARKS" lawn seed is a large amount of the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportions to produce a fine permanent turf. Needless to say, it does not contain timothy, which is a hay grass and does not belong in a lawn; none of Vaughan's formulas include this unsuitable grass.

Price, ½ lb., 25c; 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.35; 5 lbs., \$2.20; 10 lbs., \$4.00; 15 lbs., \$5.90; 20 lbs., \$7.75; 25 lbs., \$9.50; 100 lbs., \$35.00.

We offer this mixture without clover under the name "Vaughan's Fairway Formula"—Prices same as "Chicago Parks."

Vaughan's Special Lawn Mixtures

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination and identity.

Quality versus Price. Our constant aim has been to harmonize our never-changing superior qualities of seed with such reasonable and fair prices as will be entirely satisfactory to our customers. In this respect we have every reason to believe we have been successful. Because of shortages on some of the fancy imported grasses, some of our prices have been advanced. Our quality continues to meet the same high standards we have maintained in the past.

Vaughan's "Columbian"

Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, ½ lb., 35c; 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.60; 5 lbs., \$2.60; 10 lbs., \$5.00; 15 lbs., \$7.40; 20 lbs., \$9.75; 25 lbs., \$12.00; 100 lbs., \$45.00.

Vaughan's Dense Shade Formula

An exceptional formula chiefly composed of imported grasses. It is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Follow instructions in our lawn booklet for growing grass in the shade. Does not contain clover.

Price, ½ lb., 40c; 1 lb., 70c; 2 lbs., \$1.40; 3 lbs., \$2.05; 5 lbs., \$3.35; 10 lbs., \$6.50; 15 lbs., \$9.65; 20 lbs., \$12.75; 25 lbs., \$15.75; 100 lbs., \$60.00.

VAUGHAN'S No. 25 LAWN FORMULA

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.25; 10 lbs., \$2.40; 15 lbs., \$3.50; 20 lbs., \$4.60; 25 lbs., \$5.50; 100 lbs., \$20.00.

All Lawn Seed prepaid anywhere in U. S. A. On Parcel Post C. O. D. Orders there is a postal charge for C. O. D. delivery.

Vaughan's "Private Estate" Bent Formula

FOR LAWNS "DE LUXE"

The unexcelled beauty and velvet smoothness of creeping bent putting greens has caused a demand for a lawn mixture which contains seeds of the bent grasses.

For those who are interested in bent grass, we highly recommend our Private Estate formula, as it will require less mowing and less attention than pure bent grass.

Private Estate formula produces a fine, heavy turf, which with proper care will constantly improve. This mixture does not contain clover.

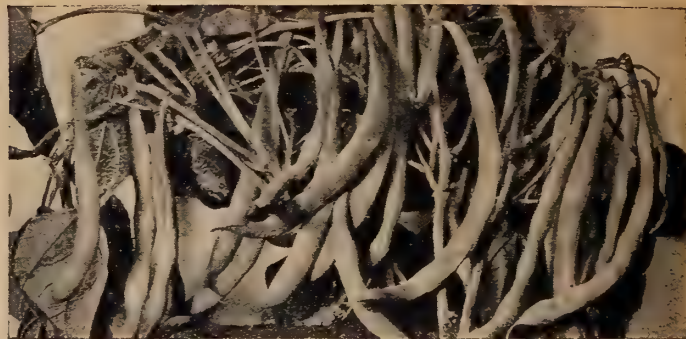
Price, 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.85; 10 lbs., \$5.50; 15 lbs., \$8.15; 20 lbs., \$10.75; 25 lbs., \$13.25; 100 lbs., \$50.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

VAUGHAN'S TERRACE FORMULA

A combination of grasses that root quickly and form a good turf under conditions met on terraces. After seeding terrace, rake in the seed thoroughly and if possible add a quarter of an inch top dressing of good black soil to provide a good cover for the seed. Then roll thoroughly or compact the soil with the back of the spade. Seed Vaughan's Terrace Formula at the rate of 1 lb. to every 250 sq. ft. If slope is very steep, seed 1 lb. of oats to every 100 sq. feet with the lawn seed and proceed as directed above. Begin mowing as soon as the oats are high enough to cut, and keep cut. Price, 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.65; 5 lbs., \$2.65; 10 lbs., \$5.25; 15 lbs., \$7.85; 20 lbs., \$10.25; 25 lbs., \$12.50; 100 lbs., \$45.00.

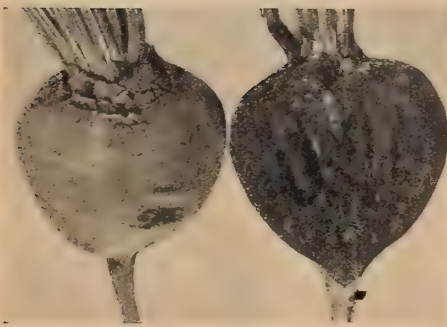
Newest Table Quality Vegetables



BEAN, STREAMLINER

*Streamliner Bean Still
Best in Our Trials*

Our high opinion of this new green pod bush bean, maturing in about 50 days, which we introduced last spring, has been endorsed by hundreds of customers, including many large market growers. We like it better than Plentiful (Page 19) because while fully equal in tenderness, stringlessness, size and yield, its 8 to 10 inch pods produce white dried beans, delicious when cooked. Pods are succulent and brittle, retaining all their table quality even when fully mature. Pkt., 20c; ½ lb., 45c; lb., 80c; 2 lbs., \$1.50; 3 lbs., \$2.00; 5 lbs., \$3.25.



BEET, TENDERSWEET

*Tendersweet Beet
Unrivaled on Table*

The final test of quality in a vegetable is applied by eating it; and no other beet we ever tasted can rival **Tendersweet**. Maturing in 50 days, it has an exceptionally deep red coloring, even throughout, which survives cooking. It has faint zoning of a deeper color, a uniform globe shape, a fine tap root free from hairs and, above all, tender flesh. Pkt., 15c; oz., 30c; ¼ lb., 90c.



CARROT, TABLE QUEEN

*It's A Pleasure to Eat
Table Queen Carrots*

Many carrots are consumed as a duty; but **Table Queen** carrots are a table treat as well as health food. Their vivid yellow color bespeaks abundant vitamins; which are so important in the diet of adults as well as children. It matures in 68 days but can be used long before and long after that period. Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.75.



BEAN, HENDERSON BABY POTATO LIMA

*New Baby Lima Wins
All-America Award*

Experienced home gardeners know that Henderson bush lima beans are much more prolific than the Fordhook type, which bears much larger beans, but far fewer. Breeders have sought larger, more succulent beans from heavy yielding, dwarf Henderson plants. W. A. Huelson of the Illinois Experiment station has succeeded, in the opinion of the All-America judges. **Henderson Baby Potato Lima** matures in 76 days, on plants 18 to 24 inches tall, beans uniformly three to a pod, larger than the old type Henderson, and of excellent quality. While developed especially for freezing and canning, we recommend it also for home gardens. Pkt., 25c; ½ lb., 50c; lb., 90c; 2 lbs., \$1.60.



CABBAGE, GREEN ACRE

*Green Acre Cabbage
Holds Color in Sun*

Green coloring in the leaf is an indication of vitamin content, the doctors say, so **Green Acre** cabbage not only looks better, but makes a better dish, by reason of its refusal to bleach out in the hot sun. It holds its rich green color to the bursting stage. Maturing in 55 days, it is globe shaped, smooth, solid, and of fine texture and flavor. Heads weigh 3 to 4 pounds. Pkt., 15c; oz., 50c; ¼ lb., \$1.50.



SWEET CORN, GOLDEN TREASURE

*Golden Treasure Is
Earliest Hybrid Corn*

Hybrid sweet corns, like their field corn cousins, excel all others in yield and disease resistance; but until now there were no hybrids among earliest varieties. **Golden Treasure**, 15 days earlier than Golden Bantam and 5 days earlier than Golden 60-day, is the earliest hybrid yet produced. It has a larger ear than Golden Bantam, with 12 rows of kernels, producing 35% more shaved corn on an ear. Flavor is sweet, above average. Pkt., 20c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 3 lbs., \$1.35; 5 lbs., \$2.15.



SWEET CORN, OUR CHOICE

*This Early Hybrid
Is Sweetest Sweet Corn*

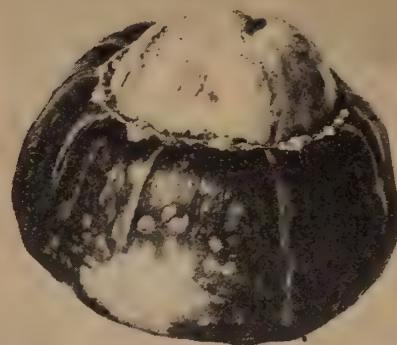
Golden Bantam lovers may question that, but Charley Schuetz, who has been growing sweet corn all his life, takes an oath to it. He spent much of the summer tasting 120 varieties in our sweet corn trials. The way to test sweetness, he asserts, is to taste the raw kernels. The sweetest of all we christened **Our Choice**, maturing two days later than Golden Treasure, with good size 12-row ear, completely resistant. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 3 lbs., \$1.35; 5 lbs., \$2.00.



EGG PLANT, KISSIN

*Kissin Egg Plant
Bred for Home Garden*

Every specification which could be written for an ideal egg plant for the home garden is met by the **Kissin** variety. A good "layer"—12 fruits to the plant average—it is of good size (3 by 6 inches), rich dark purple color and supremely tender flesh. Its oval shape is fine for slicing, and it remains crisp and fresh long after others have passed their prime. Pkt., 15c; ¼ oz., 30c; oz., 50c.



SQUASH, BUTTERCUP

*Sweetest of Squashes Has All Its
Seeds in the Blossom End*

Buttercup Squash not only has the sweetest, smoothest flesh of any we have tasted, but it is designed for easy cooking. All its seeds are in the blossom end, which can be removed with a twist of the knife. The rest of the solid, substantial fruit is all flesh, ready for baking, or preparing your favorite way. It is a fine winter keeper. Fruits average two pounds in weight, about six inches in diameter. Matures in 100 days. Pkt., 15c; oz., 30c; ¼ lb., 75c.



CUCUMBER, HILL

*Hill Cucumber is
Almost A Bush*

Instead of running all over the place, the vines of the **Hill Cucumber** stay in a space of from one to two and a half square feet, and the attractive fruits are matured in a huddle. This is the variety for the kitchenette garden. Plant them in a garden row 18 inches apart instead of the conventional six feet. The fruits are of medium green color, very brittle, excellent salad quality. Matures in 60 days. Pkt., 25c; oz., 75c; ¼ lb., \$2.50.

ALL-AMERICA WINNERS

The following new vegetable varieties, in addition to those listed elsewhere on these pages, won awards in the 1940 All-America trials.

ENDIVE, Deep Heart Fringed, deep self-blanching heart. Leaves are cut and curled at edges, growth upright, ribs and heart white. Pkt., 15c; oz., 20c; ¼ lb., 50c.

PARSLEY, Evergreen, darkest green of curled types. Dense, heavy, deeply cut foliage, vigorous grower, resistant to frost. Pkt., 15c; oz., 25c; ¼ lb., 75c.

PEPPER, Fordhook, an early giant. Packet 50c.

SWEET CORN, Ioana, large, late, heavy yielding yellow hybrid. 79 days. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00; 5 lbs., \$2.00.



PEPPER, EARLY CALIFORNIA WONDER

*Earliest Giant Pepper
Ready in Sixty Days*

Early California Wonder is of the heavy walled, square shouldered type, of mild, sweet flavor, that serves so well in salads, for pickles, and for stuffing with meat. It gives you an extra month of harvest in the home garden. Pkt., 25c; ½ oz., 75c; oz., \$1.25



MUSKMELON, SUPERB

*Superb Muskmelon Has a Flavor
That's Truly Superb*

Experts say this melon has a blend of Osage and Honey Dew flavor; and anyone who tastes a vine ripened fruit of this variety will agree it is superb. You know, a muskmelon (except the Honey Dew type) does not grow sweeter after it is picked; it must ripen on the vine; and here's a new tip, the vine must be green. A melon that matures on a dead vine, killed by drought, disease or insects, may break cleanly from the stem (the test of ripeness) and still lack flavor. **Superb** ripens in 90 days, 6 to 8 inches long, 5 to 7 inches in diameter. Pkt., 20c; oz., 35c; ¼ lb., 60c.



TOMATO, MINGOLD

*New Yellow Tomato
Richer in Vitamins*

Yellow tomatoes are not only attractive on the salad plate, but are said to be richer in Vitamin D. T. M. Currence of the Minnesota Experiment Station developed the variety **Mingold**, which won an All-America silver medal this year. It matures in about 105 days, has smooth round fruits of medium size. Pkt., 25c; ½ oz., 80c; oz., \$1.50.



Golden Bountiful Wax Bean. Pkt., 10c; 1/2 lb., 20c; lb., 35c.

Golden Bountiful Bean

Yields Rich Food Harvest

★**Golden Bountiful.** 54 days. An extra early, perfectly stringless flat variety with black seed. The pods are large and of a golden yellow color, which they assume when still very small. In yield it is exceptionally heavy, like its green-pod namesake. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★**Gold Standard.** Matures in about 52 days. In earliness, table quality and heavy yield this new variety is outstanding. It has straight flat pods, seven inches long; perfectly stringless, tender and of excellent flavor. In yield it equals its type parent, Davis Kidney Wax, which it far excels in quality. It is strongly recommended for the home garden. Pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., \$1.00; 5 lbs., \$1.50; 10 lbs., \$2.50.

Wardwell's Kidney Wax. Matures in about 53 days. The attractive golden yellow pods, seven inches long, are flat, brittle, stringless, straight, finely shaped and of excellent flavor. It is especially suited to midwestern conditions and is recommended for the home garden as well as for the market. Pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., \$1.35; 10 lbs., \$2.50.

★**Round Pod Kidney Wax (Brittle Wax).** Matures in about 52 days. The plant is erect, of medium size and a prolific bearer. The pods are a light yellow, 6 inches long, stringless and entirely without fibre. This variety has the highest table quality and is recommended for the home garden and for canning. Pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., \$1.10; 5 lbs., \$1.50; 10 lbs., \$2.75.

Improved Golden Wax. About 50 days. A medium early bearing heavy crop on vines of vigorous bushy growth, a good rust-resister. The pods are golden yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden. They have an exquisitely rich butter flavor peculiar to this variety. Pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.10; 5 lbs., \$1.50; 10 lbs., \$2.75.

★**Top Notch Golden Wax.** Pkt., 10c; 1/2 lb., 25c; 1 lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00; 5 lbs., \$1.50; 10 lbs., \$2.75.

New Kidney Wax. 53 days. A flat, long-podded stringless variety of highest table quality as well as a robust grower and high yielder. Pods 6 to 7 inches long, very thick and meaty. Vines 18 to 20 inches in height. Pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., \$1.25.

Pencil Pod Black Wax. In about 52 days. Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, of excellent quality, containing black seed. Pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., \$1.35; 10 lbs., \$2.50.

Unrivald Wax. About 53 days. Vigorous grower, slightly flattened pods, high quality. Pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., \$1.35; 10 lbs., \$2.50.

Inoculate Beans with Nitragin for better crops. Garden size, 10c; bushel, 40c.



POLE BEANS

THEY YIELD HEAVILY

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest. A packet plants 15 hills; 1 lb., 100 hills.

★**Kentucky Wonder or Old Homestead.** Ready in about 65 days. Green pod. The most widely planted pole variety. The pods are fleshy, saddle-backed, 7 to 10 inches long and stringless when young. Kept picked, they bear all season. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★**Kentucky Wonder Wax.** In 65 days. The best pole wax bean for northern planting. It is similar in habit to "Kentucky Wonder Green Pod," and as early. Pods are golden, fleshy, delicious. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Early Golden Cluster Wax. About 65 days. Long, stringless; fine quality; pods in clusters; pure white seeds. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Burger's Stringless Green Pod. About 63 days. (White seeded Kentucky Wonder.) Can be picked until frost. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

White Creaseback. In 65 days. Early; long, round, green, stringless, tender. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

Cut Short or Corn Hill. About 65 days. Much used in the south for planting among the corn. Yields well without poles. Short pods, flat to oval in shape. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Lazy Wife. In 72 days. Good shell beans; long, thick, stringless pods. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Horticultural Cranberry. In about 70 days. For cool climate; early; flat green pods, spotted seeds; good snap or shell. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Scarlet Runner. In 65 days. Ornamental, bright red flowers. Pkt., 10c; lb., 40c; 2 lbs., 75c.

Yard Long It produces a long, irregular, nearly round edible pod. Pkt., 15c; lb., 70c.

KENTUCKY WONDER. Pkt., 10c.

Artichokes

THE Artichoke is grown for its edible blossoms. It is a perennial but will not stand freezing. It requires renewing every two or three years. The Jerusalem Artichoke, so called, belongs to a different family.

Green Globe. Perennial, large-flowering heads. Matures second year; not hardy in the north. Pkt., 10c; oz., 50c.

Jerusalem Artichoke Roots. About five bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. They grow in a wild form in the United States. Tubers can be supplied in March and April. Lb., 25c; 3 lbs., 50c; 10 lbs., \$1.25. Write for quantity prices.

Asparagus

ASPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

SEED PLANTING — Asparagus may be raised from seed and a crop obtained in three years. In early spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following spring, select the best of the roots and place in the permanent bed. One ounce of seed will sow 100 feet of row, producing 300 plants.

ROOT PLANTING — A year may be saved by buying the plants and setting them two feet apart in the row, and the rows four feet apart. Plant in a trench 12 inches deep, at the bottom of which is 2 inches of well rotted manure. Add 5 lbs. of a balanced plant food to each 100 feet, well mixed with soil. Cover roots 3 inches deep and add more soil as they grow until the ground is level.

WHITE ASPARAGUS. White Asparagus may be grown from the same variety as green. It is merely a method of growing. The stalks are killed with earth and cut underneath the ground before exposure to the light has turned them green.

WASHINGTON RUST-RESISTANT STRAIN. Developed by the experts of the United States Department of Agriculture, which originated this strain. Rust-proof plants are preferred by commercial growers. Since the differences between varieties of asparagus are not great, give the same soil and cultivation, freedom from disease is of dominant importance. The most satisfactory strain is MARY WASHINGTON.

Mary Washington stock is so far the most satisfactory of the two strains. It is the result of a single cross. Pkt., 10c; oz., 15c; 1/2 lb., 40c.

Paradise. Pkt., 25c; 1/2 oz., 60c; oz., \$1.00; 1/4 lb., \$3.00.

ASPARAGUS ROOTS

	1-Year Old		2-Year Old			
Mary	Doz.	100	1000	Doz.	100	1000
Washington	.50	2.25	15.00	.60	2.50	18.00

If by mail, add postage as follows. 100, 50c.

Edible Soy Beans

We offer four strains of edible soy beans, differing radically from the field varieties, developed to provide a valuable and palatable human food. Soy beans have proteins, 36.5%; fats, 17.5%; compared with navy beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics. Illustration shows typical plant and pods in green state. Yield is much heavier for same area than navy beans. University of Illinois, Urbana, Ill., will supply on request a Bulletin: "Ways of Using Soy Beans as Food."

We offer four distinct strains, differing chiefly in maturity dates, the earlier strains giving slightly smaller plants and yield.

Dansei. Earliest, 24 in. vines, about 70 days.

Willomi. 30 in. vines, about 77 days.

Jogun. 36 in. vines, heaviest yielder, about 83 days.

Hohkaido. 36 in. vines, yield not so heavy as Jogun, about 90 days.

Any of above, pkt., 20c; 1/2 lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., \$1.50.



PLANT AND POD OF EDIBLE SOY BEAN.

New Green Pod Bean *Plentiful* Combines Heavy Yield with Highest Quality

Our Seeds are Hand Picked
from Carefully Rogued Crops
Grown on Our Own Farms



***Plentiful.** Ready to pick in about 48 days. Introduced last year, this new bean has proved its merit in both home and market gardens. Though it has a dark green pod, it originated as a cross between Bountiful and Surecrop Stringless Wax. Of all flat pods, it is the freest from strings and fibre at all stages of growth. Delicious when half mature, it is also tender and without strings when it has reached its maximum size of 6 to 8 inches in length. This gives it an exceptionally long season of use, although it is one of the earliest varieties. This high quality is combined with extreme vigor, and while not immune to rust, trials have shown it to be definitely resistant. We consider this the best flat pod bean yet produced and recommend it for the home garden. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.10; 5 lbs., \$1.75.

***Tendergreen.** 52 days. A main crop variety of the stringless round pod type, with tall vines which carry their pods free of the ground. A heavy yielder, bearing long pods, fleshy and of excellent flavor. It is an improvement on Full Measure, which we are dropping from our list; and we recommend it for both home and market. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

***Streamliner.** Ready to pick in about 50 days. This tender, flat pod bean averaging 8 to 10 inches long, bears white seed. Its long pods are stringless and quite free from fibre, a definite improvement in quality over the exhibition variety, The Prince, which it equals in yield and size of pod. Pkt., 20c; ½ lb., 45c; lb., 80c; 2 lbs., \$1.50; 3 lbs., \$2.00; 5 lbs., \$3.25.

***Bountiful Stringless.** Ready to pick in about 48 days. Of the heavy yielding, flat pod type, our strain of this variety is finest. One of the earliest, it produces straight pods, 7 inches long, half an inch wide, completely stringless, tender and brittle. It has a long season of bearing. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

***Stringless Green Pod.** Ready to pick in about 50 days. The leading round pod variety. The pods are 5½ inches long, completely stringless and free from fibre. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

***The Prince.** 50 days. A wonderful exhibition variety, bearing beans eight to ten inches long, thick and fleshy. Not stringless when mature. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., \$1.00; 5 lbs., \$1.50.

***Commodore.** 75 days. A Bush Kentucky Kentucky Wonder, except that it is a bush instead of a pole type. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.10; 5 lbs., \$1.75.

Giant Stringless Green Pod. In about 53 days. Later than Stringless Green Pod, which it equals in quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Black Valentine Stringless. About 48 days. An improved selection of the old Black Valentine, which is stringless, and yet immune to light frosts. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 70c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Red Valentine Stringless. About 52 days. Hardest of beans, germinating in cold ground, and resisting light frosts. Round fleshy pods, vines 15 in. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

PLENTIFUL is a cross between Bountiful and Surecrop Stringless Wax and better than either parent. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

QUALITY in beans is measured by stringlessness; by tenderness, or the absence of fibre, or "linen" in the pod; by ability to produce well; a long, straight pod being preferred. Fine strains of good varieties excel inferior strains of the same varieties in all these qualities.

Our beans are grown on our own farms, or by expert growers under contracts which require that methods shall be used which involve increased expense but result in greatly improved quality. After the harvest our beans are hand-picked, to discard all seeds which do not conform to the ideal type. The improvement in your crop far outweighs the increased cost.

FIELD BEANS

Great Northern. In 90 days. A little larger than the Navy Bean, it is harder and a much heavier yielder. Pkt., 10c; lb., 25c; 2 lbs., 45c; 5 lbs., 70c; 10 lbs., \$1.25.

Improved Navy. In 85 days. Fine field sort. Lb., 25c; 2 lbs., 40c; 5 lbs., 65c; 10 lbs., \$1.00.

'Robust.' In 100 days. A selection of the White Navy Bean introduced by the Michigan Agricultural College, which outyields others on heavier soils. Lb., 25c; 2 lbs., 40c; 5 lbs., 65c; 10 lbs., \$1.00.

SHELL BEANS

Dwarf Horticultural. In about 100 days. Late, heavy yielding. Flat green pods spotted with red. Pkt., 10c; lb., 35c; 2 lbs., 55c; 5 lbs., \$1.00.

English Broad Windsor. About 100 days. Best of class. Pkt., 10c; lb., 40c; 2 lbs., 70c.

White Kidney. In 100 days. Lb., 30c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., \$1.00.

Red Kidney. In 110 days. Lb., 30c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., \$1.00.

White Marrow. In 110 days. Lb., 30c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., \$1.00.

Limas—a Luxury Crop

LIMAS should be planted a little later than the other running beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space.



BUSH

HENDERSON'S BUSH. Pkt., 10c.

Packet plants 20 ft.; lb., 150 ft.

***Fordhook Bush.** 78 days. The highest quality Bush variety, it grows erect, and its large pods contain 4 to 5 large, thick green beans. For heaviest yield give each plant at least 18 inches in the row. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., \$1.10; 5 lbs., \$1.60.

***Baby Fordhook.** 70 days. Cross between Dr. Roy Magruder of Ohio Experiment Station. Small pod, small thick beans, good quality, heavy yield. Pkt., 25c; ½ lb., 60c; lb., \$1.00.

***Henderson's Bush.** 65 days. An early and prolific bearer of small beans. Thrives in ordinary soil and is an excellent variety for home gardeners who have difficulty growing the larger limas. Pkt., 10c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15.

***USDA 2 Henderson.** Earlier than standard Henderson which it resembles, recommended for higher altitudes and northern districts. Pkt., 10c; ½ lb., 20c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00; 5 lbs., \$1.50.

***Illinois Baby Potato.** 76 days. See Novelty pages, 16 and 17, for description. Pkt., 25c; ½ lb., 50c; lb., 90c; 2 lbs., \$1.60.

Burpee's Improved Bush. About 76 days. This has larger pods and beans than the original. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.50.

Burpee's Bush. About 75 days. Large white seeds; very productive and splendid quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.40.

McCrea. A prolific bearer of large, thick lima beans, of type known as "potato." Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.40.

New Wonder Bush. In 76 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.40.

POLE

Packet plants 15 hills; lb., 100 hills.

***Succulence.** 75 days. Earliest of pole limas, bears beans slightly larger than Henderson's Bush. It is an exceptional producer and can be grown on a pole or allowed to run on the ground. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., \$1.25.

Early Leviathan. In about 83 days. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., \$1.25.

King of the Garden. In 85 days. A large podded, vigorous, immensely productive variety. The numerous pods, 5 to 7 inches long, are well filled with 5 to 6 large beans of excellent quality. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., \$1.25.

Large White Seeded. About 85 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., \$1.25.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 112.

Improved germination and vigor of growth in beans is produced by inoculating the seeds with "Nitragin." Garden size, 10c and 25c.

To Mail Order Buyers

See your Order Blank on Page 3 for special Mail Order Offer on packets, ½ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.



PERFECTED DETROIT TURNIP BEET. Pkt., 10c; oz., 20c.

QUALITY in beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, stored over the winter and transplanted again in the spring. Only beets which conform to the highest quality standards are planted for seed. Thus improvement is shown annually in progress toward perfection.

While this extra care increases the cost of the seed, the increase is small compared with the added value which improved quality gives to the crop.

Beets are easily grown in the home garden, and provide appealing dishes throughout the year. When they are thinned out in the spring their tops and leaves make a delicious dish.

★Perfected Detroit. Matures in about 50 days. In this improved strain of Detroit Dark Red Turnip Beet the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is as near perfection as breeding skill has attained, earlier, and almost spherical in shape, which is most desirable for pickling and canning. Its small tops are just right for either dry or wet season, heavy or light soil. The color inside and out is a very dark red, and flesh of fine texture, tender and of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

★Detroit Dark Red Turnip. Matures in about 53 days. A main crop variety unequaled as a heavy yielder, and having the qualities which are valued for shipping and canning, as well as for the home and market gardens. Tops are uniform, small and erect. Roots are globe shaped, and very dark red, inside and out, with inconspicuous zoning. It is sweet, and remains tender until maturity. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

★Early Wonder. Matures in about 50 days. This is a selection of Crosby's Egyptian which differs in shape and color, being slightly deeper and thus more nearly globe shaped, and a darker red. The tops are small, making it a fine variety for bunching. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

★Good for All. Matures in about 54 days. This is a selection of Detroit, bred to produce uniform roots which can be harvested when 1 ½-1 ¾ inches in diameter, especially for canning and pickling. It is almost perfectly globular, smooth and uniform in size, with deep crimson even color inside. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

Tenderness is the Test of Table Quality in Beets

★Crosby's Egyptian. Matures in about 50 days. This early variety has long been a home garden favorite; and our strain has maintained and improved its excellent qualities. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size, and the roots of a flattened globe shape. This variety excels in table quality.

Vaughan's Selected Stock. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

Standard Stock. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

Crimson Globe. In about 55 days. Second early main crop, of medium size. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

Edmand's Blood Turnip. 58 days. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

Vaughan's Fire Ball. In 50 days. Early, of fine globe shape, solid, sweet, deep red flesh, small tops. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

Mangel Wurzel

Mature in 90 to 120 days.

Mangels are an excellent crop for dairy and poultry farms, giving a crop of good feeding value for both cattle and chickens. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches. Give the crop good cultivation.

Barres Sludstrup. This Mangel holds the world's record for dry matter content. It is a long, reddish yellow, ovoid root. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

Vaughan's Mammoth Long Red. Largest and heaviest cropper of long red sorts. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

Giant Yellow Eckendorf. Yellow roots, cylindrical. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

Golden Tankard. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

Giant Rose Half Sugar. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

Brussels Sprouts

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. For late use sow seed in June.

Long Island Improved. About 85 days. The most satisfactory Brussels Sprouts for American conditions. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Improved Dwarf. About 85 days. Dwarf habit and less liable to aphid than others. Pkt., 10c; oz., 20c; ¼ lb., 65c.



Crosby's Egyptian,

Favorite Home Garden Select Stock. Pkt., 10c; oz., 20c.

Tendersweet. See Novelty Page. Pkt., 15c; oz., 30c; ¼ lb., 90c.

Early Blood Turnip. In 50 days. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

Improved Early Egyptian. About 48 days. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

Home Garden Varieties. Crosby's Egyptian for the early crop and Detroit Dark Red Turnip or Perfected Detroit for main crop and late crop are recommended to home gardeners as providing the very finest table quality.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

Sugar Beets

The kinds offered below are grown from roots, the test analysis of which showed high sugar content. Prices of the following: oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

Vilmorin's Imperial. Improved French variety; yields nearly as much as the Mangels.

Klein-Wanzleben. Wedge shape tapering to long tail.

★—Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.



BRUSSELS SPROUTS

Celeriac

TURNIP ROOTED CELERY

This vegetable deserves much wider cultivation. Cooked and prepared as a salad, it has a rich celery flavor. The roots keep well in winter—recipes for preparing enclosed upon request.

Large Smooth Prague. About 120 days. A main crop variety. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

New Snowball. 120 days. Not as large as Prague but freer from rootlets and a good ball type. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

New French Carrot Touchon, is Sweet, Tender, Fine-Grained and Fibreless



Candid Camera Study of Carrots, Field Run Specimens, Unretouched.

TOUCHON
Pkt., 10c.IMPERATOR
Pkt., 10c.EARLY
SHORT SCARLET
Pkt., 10c.OXHEART
Pkt., 10c.

★**Touchon.** 68 days. Experienced home gardeners know the exquisite flavor of tender young carrots, not much thicker than your little finger, which contribute one of the early summer's most delicious table treats. Here is a variety which retains when grown to full size the qualities which others lose so quickly as they mature. It is sweet, tender, fine-grained and fibreless, even after it has attained 6 x 1 1/2 inches. A table quality variety of the first rank. Pkt., 10c; oz., 25c; 1/4 lb., 70c; lb., \$2.00.

★**Redheart.** Matures in about 70 days. This variety has demonstrated its merit in our trials. It is the finest flavored, tenderest carrot of its type. It has no core of the usual sort, but its rich red coloring is even throughout the flesh. The top is ample for bunching and the foliage is fern-like. The root is of medium length, blunt, smooth and easily prepared for serving. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

New Bunching. Matures in about 77 days. Tops short, stems medium size and strong, 8x1 1/2 inch, almost cylindrical with rounded shoulders and a well stumped point. Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

★**Nantes Half Long Scarlet.** Matures in about 68 days. This early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core, and this variety gives the home gardener supreme table quality, at whatever stage it is harvested. Pkt., 10c; oz., 25c; 1/4 lb., 70c; lb., \$2.00.

★**Table Queen.** Matures in about 68 days. Excels in sweetness, crisp tenderness and vivid yellow color which bespeaks abundant Vitamin A. Half-long type, rich red, tender, crisp and one of the sweetest we know. Pkt., 15c; oz., 25c; 1/4 lb., 75c; lb., \$2.75.

Vaughan's Select Danvers. About 80 days. It is a half-long type, averaging five and one-half inches in length, tapering to a blunt point. Its yield greater per acre than any other. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Greater Chantenay. 70 days. This is a strain of Early Chantenay which resembles the original type in most respects except that it averages 1 1/2 to 2 inches longer and has sloping shoulders. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Early Chantenay. About 70 days. This excellent variety is ready to use in seventy days after sowing. Averages 4 1/2 inches in length, tapering slightly from well-set shoulders. It is smooth, of a deep orange color, and of high table quality. Home gardeners may grow this for all purposes. Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

Early Short Scarlet. In about 65 days. (Dutch Horn.) Larger than French Horn and almost as early. 1 1/2 inches thick, three inches long; fine grain, sweet-flavored, rich orange. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Vaughan's Chicago Forcing. In about 85 days. A nearly cylindrical, blunt pointed, coreless carrot, from 1 to 1 1/2 inches in diameter. Among the best flavored and tenderest varieties. Pkt., 10c; oz., 20c; 1/4 lb., 50c.

Guerande or Oxheart. In 70 days. Is a variety of very rapid growth, often attaining a weight of 1/2 pound. It is thick shouldered, short and top shape; has a good flavor and is tender. A second early. Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

Imperator. About 85 days. 1932-1933 All-America Selection, Award of Merit Winner. A new introduction which fills the great demand for a longer carrot than Chantenay, but with equal quality. Imperator has roots 7 to 8 inches long, slightly tapering, and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

CARROTS FOR STOCK

Improved Long Orange. About 85 days. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. Makes a large tonnage of feed and may be used for cattle or poultry. Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.00.

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition.

In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core." Scientists say the brighter

the color, the more Vitamin A in carrots.

The expense of the extra care needed in selecting the best plants, together with the reduced seed crop which results from discarding the "rogues," necessarily increases the cost of selected strains; but the added cost is insignificant compared with the improvement which results in your crop.

Grow Your Own Celery

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of June. Eight inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

Quantity needed for 400 to 500 plants, 1 pkt.; 8,000 plants, 1 oz.

★**Golden Detroit.** The plants are heavy, compact and full hearted. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety. Pkt., 25c; 1/2 oz., 60c; oz., \$1.00.

★**Salt Lake.** Selection from Utah Golden. Large round stalk. Free from string, finest quality, branches easily. An excellent winter seller. Pkt., 25c; 1/2 oz., 60c; oz., \$1.00.

★**Michigan Golden (College Golden).** Developed at Michigan State Agricultural College, resistant to "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching. Pkt., 40c; 1/2 oz., \$1.00; oz., \$1.75; 1/4 lb., \$6.00.

Golden Self-Blanching. Dwarf bunches, with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have lately introduced a re-selected strain earlier and stronger growing than the older type.

Tall Strain. French type. Pkt., 10c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00.

Dwarf Strain. American-grown. Pkt., 10c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00.

Giant Pascal. The stalks are large, solid, crisp and of rich nutty flavor. For fall and winter, this is a splendid sort. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

Emperor. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. The stems are round. Pkt., 10c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50.

White Plume. It excels in crisp and tender table quality. Its habit of growing is vigorous, stalks are uniformly white and large sized.

Selected Stock. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.25.

CELERY GOLDEN SELF-BLEACHING
Tall Strain, Pkt., 10c.

Easy Blanching. Medium dwarf, stalks thick, quality excellent. Pkt., 10c; oz., 50c; 1/4 lb., \$1.50.

Golden Plume. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. Select. Pkt., 30c; 1/2 oz., 80c; oz., \$1.50; 1/4 lb., \$5.00. Regular. Pkt., 20c; 1/2 oz., 40c; oz., 75c; 1/4 lb., \$2.50.

Winter Queen. An excellent winter sort with double the amount of heart of any known celery. Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.15.

Soup Celery or Smallage. Green foliage used for soups. Oz., 20c; 1/4 lb., 50c.



BROCCOLI ITALIAN GREEN
SPROUTING.

New Sprouting Broccoli

BROCCOLI, which has become popular throughout the country in the last few years, is a cousin of the cauliflower, having a similar but more delicate flavor. The type which has won greatest popularity produces a terminal head which may be cut, whereupon other heads are produced on lateral branches, which in turn may be harvested. Typical center heads are shown in the illustration. It survives light frosts, and produces well in the cool autumn weather. Sow in the open in May, and transplant to eighteen inches apart in the garden row.

★Italian Green Sprouting (Calabrese).

Matures in about 120 days. A selected strain of the most popular type from an Italian specialist who has bred it to a high standard of yield, flavor and tenderness. After its large center heads are harvested, smaller heads 2 inches in diameter form at the ends of lateral branches. It continues to bear for eight to ten weeks. Pkt., 25c; oz., 60c; ¼ lb., \$1.75.

Large White Mammoth. This is a type which produces white heads similar to cauliflower. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

Purple Cape. Purplish heads. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

Red Cabbage

Valued for Distinctive Flavor

★**Red Winter Giant.** 95 days. One of largest; dark red, extremely hard head, exceptional keeping quality. Pkt., 15c; ½ oz., 40c; oz., 75c.

★**Haco, Earliest Round Red-** 75 days. This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. The color is intense dark red throughout, heads trimmed average 3 lbs., each. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Mammoth Rock Red (Long Island strain). In 95 days. The hardiest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 10c; oz., 45c; ¼ lb., \$1.35.

Red Amagar. In 95 Days. Round hard head, deep red color, excellent keeper. Pkt., 15c; ½ oz., 45c; oz., 80c.

Red Yellows Resistant. About 100 days. Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 15c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.50.

Cardoon

Main stalks are blanched like Celery; used for salad or in soups. Pkt., 10c; oz., 30c; ¼ lb., 75c.

Our Snowball Cauliflower Grown for Us in Denmark

CAULIFLOWER quality is judged by the size and uniformity of the heads tenderness and fine texture.

With our Danish growers our contracts provide for roguing of the growing plants, to insure a high standard in the crop which you will grow. The additional cost is small compared with the difference in your crop.

Home gardeners will find cauliflower not difficult where conditions are right. When plants are set out in June or early July to mature in October, there is seldom any question of getting fine, large heads.

Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.



AVERAGE HEADS OF VAUGHAN'S SELECT SNOWBALL. Pkt., 25c; ¼ oz., 80c; ½ oz., \$1.50; oz., \$2.75.

★**Vaughan's Select Snowball.** Matures in about 55 days. Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size and there are more leaves, for protection in bleaching. The seeds are about one-third smaller. Pkt., 25c; ¼ oz., 80c; ½ oz., \$1.50; oz., \$2.75.

★**Vaughan's New Snowball.** Matures in about 55 days. A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. It is dwarf and compact in growth, and as early as any other. Our strain is the product of years of careful selection. Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.40; 1 oz., \$2.50.

★**Sureheader.** 63 days. Stem very short. leaves compact, upright, close to the stalk, forming a whorl which protects the head. The head is exceptionally deep, firm, heavy and snow-white. Pkt., 25c; ¼ oz., \$1.00; ½ oz., \$1.85.

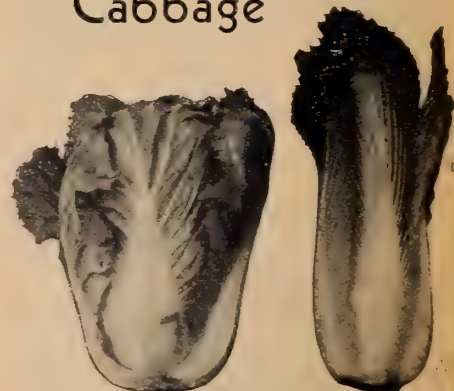
★**Vaughan's Earliest Dwarf Erfurt.** Like New Snowball, but a few days later. Pkt., 25c; ¼ oz., 70c; ½ oz., \$1.25; oz., \$2.25.

★**Dry Weather Cauliflower.** Heads larger than Snowball, snow-white, second early. Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.40; oz., \$2.50.

★**Danish Snowball.** Second early. Pkt., 25c; ¼ oz., 70c; ½ oz., \$1.25; oz., \$2.25.

★**Autumn Giant.** Large heading late fall sort. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Chinese or Celery Cabbage



PAOTING. Pkt., 10c. "PE TSAI." Pkt., 10c.

Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

★**Celery Cabbage Pe Tsai.** The VAUGHAN type. This exceptionally fine vegetable is rapidly growing in public favor. Its growth resembles the Cos lettuce, but the outer leaves have the general texture of ordinary cabbage. When the outside leaves are stripped away, the cabbage presents a well nigh irresistible appearance. Our strain of this seed is grown in China by a specialist whose family has raised and selected this particular type for many years. The heads blank without tying, July is the proper planting time. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

★**Celery Cabbage "Paoting."** Genuine "WONG BOK" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese cabbages. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

SAVOY CABBAGE A TABLE DELICACY

This type of cabbage has leaves which are crumpled or savoyed instead of smooth, as in other types. The heads are not as tight as the smooth leaved type, but are of superior flavor, and are esteemed for table quality. They are especially favored by many good cooks for stuffing with ground meats. Try them in the home garden.

★**Improved American Savoy (Long Island strain).** The best main crop variety of this type. The vigorous short stemmed plant bears a large, fairly solid head, sweet and tender. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Yellows-Resistant Cabbage Seed Tested by U. of W.

CABBAGE, JERSEY QUEEN.
Pkt., 15c; oz., 60c.



BY arrangement with the University of Wisconsin, test lots of resistant cabbage seed were planted in yellows-infected soil in state demonstration plots at Shiocton and Kenosha under the supervision of Prof. R. E. Vaughan.

Careful check throughout the season was made of all affected by yellows disease, with the following results: Jersey Queen, no yellows; All Head, 10% yellows; Resistant Detroit, 10% yellows; Wisconsin All Season, 4% yellows; Globe, 1% yellows; Wisconsin Hollander, no yellows; Red Hollander, 1% yellows; Marion Market, 6% yellows; Wisconsin Ballhead, no yellows; Bugner, no yellows.

Seed of any variety from the same lot from which sample was taken for above test is offered at: pkt., 20c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.50.

Tests were made in the university greenhouse at Madison of four varieties grown at high temperatures in infected soil, a treatment which stimulates the spread of disease. Results were: Racine Market, no yellows; Red Hollander, no yellows; Marion Market, 4% yellows; Wisconsin Ballhead, 1% yellows. These lots were from stock seed which was grown this summer in infected soil, and we offer seed of this crop, any of the four varieties, at: pkt., 20c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.50.

Regular Stock of Yellows Disease-Resistant Varieties

★ **Jersey Queen.** 58 days. As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. This is the first of our resistant strains to mature and is recommended to the home gardener where a cabbage for summer salad use is desired. Pkt., 15c; oz., 60c; ¼ lb., \$1.60.

★ **Wisconsin Pride** (Racine Market) (Early Detroit), 64 days. Around head early of the Golden Acre type. Of dwarf, compact growth with few leaves; of exceptionally uniform size and maturity season. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.00.

★ **Wisconsin Ballhead.** 84 days. Most highly perfected strain of yellows-resistant cabbage yet introduced. It excels in all the qualities that mark a good cabbage, besides being 100 percent resistant. A better keeper, of finer texture and matures earlier than Wisconsin No. 8. We sincerely recommend this for home garden and market growers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.75.

★ **Globe.** 80 days. The resistant Glory of Enkhausen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage should compare a mature Globe with any other cabbage. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00.

★ **Bugner.** 100 days. A winter variety grown in infected soil near Chicago, which is the most popular variety with market growers. Our own strain has been selected for resistant qualities over many years. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.00.

Wisconsin All Head Early. In about 70 days. Is the second resistant variety to mature. Will stand for a long time without bursting and is nearly 100% resistant. Large heading general purpose cabbage. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Marion Market. In 75 days. The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhausen. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.90.

Wisconsin All Seasons. About 98 days. Either a kraut or home variety, but is used more for kraut than any other purposes. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40.

Wisconsin No. 8. 110 days. A late winter keeper. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

★—Varieties designated by a star as illustrated are recommended as especially fine strains and suited to the home garden.



Two Rows of Non-Resistant Penn State Ballhead Growing in a Planting of Wisconsin Ballhead Resistant Cabbage; Shows Only One Plant that Survives Yellows Disease.

Standard Bred Cabbages

★ **Reselected Copenhagen Market Extra Early.** Matures in about 62 days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. It is the result of many years' selection by our European grower, and produces heads round as a ball, crisp, tender and of fine texture. Reselected Tested Stock, 62 days. Pkt., 15c; oz., 50c; ¼ lb., \$1.50.

Standard Stock, 68 days. Pkt., 10c; oz., 30c; ¼ lb., 90c.

★ **Daybreak.** 60 Days. It bears a round, hard head with short stem and was developed by one of the best growers in Denmark, in whose trials it matured 65% in 60 days, averaging 3 pounds, 12 tons to the acre. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

★ **Golden Acre.** Matures in about 60 days. Resembles Reselected Early Copenhagen Market in most respects, except that its heads are slightly smaller, 4 to 5 lbs. It is of dwarf, compact growth, with few leaves, so that the plants can be set close together, and is exceptionally uniform in size and maturity date. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

★ **Green Acre.** 55 days. A round headed variety which instead of bleaching in the hot sun holds its rich green color to the bursting stage. Smooth, solid, of fine texture and flavor; heads weigh 3 to 4 pounds. Pkt., 15c; oz., 50c; ¼ lb., \$1.50.

★ **Glory of Enkhausen.** 80 days. This globe shaped, medium early variety is of excellent flavor and crispness and produces heads weighing 8 to 10 pounds, and more uniform than the earlier types. Recommended for the main crop in the home garden. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Penn State Ballhead. About 100 days. A heavy yielding strain of the short stem Danish Ballhead type. Yields as high as 26 tons per acre have been recorded. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Vaughan's Select Early Jersey Wakefield. In about 62 days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Early Flat Dutch. In 75 days. Sure solid header; weighs 10 to 12 pounds. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

Charleston Wakefield. About 73 days. Later than "Jersey Wakefield," with heads much larger and uniform. Does well on heavy soil. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Vaughan's All Seasons. About 90 days. Suited to every growing season. Even when planted late it keeps well, and is of better quality than big ribbed winter sorts. Pkt., 10c; oz., 25c; ¼ lb., 75c.

All Head Early or Faultless. In about 70 days. Matures large, uniform handsome heads of unsurpassed quality. Pkt., 10c; oz., 25c; ¼ lb., 75c.

LATE VARIETIES

Danish Ballhead Short Stem. About 100 days. Or Dwarf Amager. This variety is almost identical with "Dutch Winter or Hollander." Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Vaughan's Premium Late Flat Dutch. In about 110 days. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Earliest Sweet Corn is a High-Yield Hybrid

OUR strains of sweet corn, both hybrid and open pollinated, are the results of many years' careful breeding conducted on our Michigan farms. We were pioneers in breeding hybrid resistant strains. The varieties offered on this page were chosen as the results of trials in which last year 120 different types were tested at Wichert, Ill. Records were kept of planting date, picking date, yield, size and weight of ear, weight of shaved corn per ear, flavor and percentage of smut and of Stewart's disease. A detailed record of these data is available on request.

A packet plants 40 hills; a pound 400 hills; 12 pounds an acre.

HYBRID RESISTANT

★ **Golden Treasure.** Earliest hybrid. Two weeks earlier than Golden Bantam and about five days earlier than Golden 60-Day. Of 120 different strains in our trials, this was the earliest of all. It has a larger ear than Golden Bantam, 12 rows of kernels of good, sweet flavor, producing 35% more shaved corn to the ear. Pkt., 20c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 3 lbs., \$1.35; 5 lbs., \$2.15.

★ **Our Choice.** Early hybrid. Maturing two days later than Golden Treasure, this is the sweetest variety we know, not excluding Golden Bantam. It is heavy yielding, with a good size 12 row ear, and completely resistant. For the home garden this would be our choice for an early. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 3 lbs., \$1.35; 5 lbs., \$2.00.

★ **Erlibird.** 75 days. Has shorter stalks than our Marcross, but is 5 to 6 days earlier. It does not pick as heavily but is a very good early. Weight of the shaved corn on 10 ears is 1½ lbs. It is an 8 to 12 rowed yellow corn. Pkt., 20c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 3 lbs., \$1.35; 5 lbs., \$2.15; 10 lbs., \$4.00.

★ **Senator.** 64 days. A 10 to 12 row golden yellow. While earlier than Erlibird and having smaller ears, the weight of the cut corn on 10 ears is 2½ lbs. Pkt., 20c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 3 lbs., \$1.35; 5 lbs., \$2.15; 10 lbs., \$4.00.

★ **Bancross** (Vaughan's Top Cross Golden Bantam). 72 days. This variety is produced by crossing our Early Golden Bantam with Purdue Bantam. It is earlier than its male parent and not as uniformly eight rowed as its female parent, though it may vary. One wishing the earliness and quality of Golden Bantam with resistance should try this. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.15; 5 lbs., \$1.75; 10 lbs., \$3.25.

★ **Sweet Cross** (Top Cross Golden Sweet). 58 days. Our Early Golden Sweet crossed with Purdue Bantam and having extreme earliness and unusual sweetness with wilt resistance. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.15; 5 lbs., \$1.75; 10 lbs., \$3.25.

Marcross (Top Cross Golden 60 Days). This is Golden 60-day crossed with Purdue Bantam and has given us a cross that is practically the same as Golden 60-Day with wilt resistance. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.15; 5 lbs., \$1.75; 10 lbs., \$3.25.

Early Bancross. About 67 days. Five days earlier than Bancross. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.15; 5 lbs., \$1.75; 10 lbs., \$3.25.

Whip Cross. About 78 days. Ten days later than Whipple's Yellow. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.15; 5 lbs., \$1.75; 10 lbs., \$3.25.

Vaughan's Golden Cross Bantam. In about 78 days. Obtained by crossing the two strains produced by G. M. Smith of Purdue. It has the same resistance and will produce a heavier crop of more uniform ears. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.15; 5 lbs., \$1.75; 10 lbs., \$3.25.

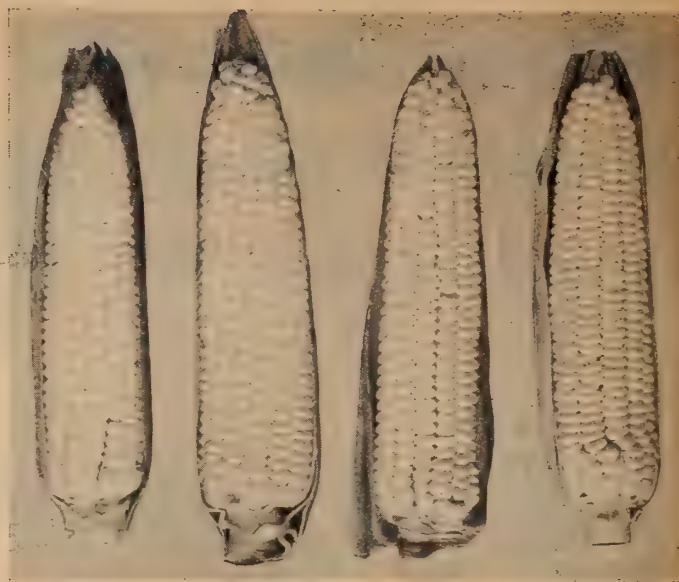
Narrow Grain Hybrid. About 86 days. Same season as Narrow Grain Evergreen. Much more prolific in poor years. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00; 5 lbs., \$1.75; 10 lbs., \$3.25.

Country Gentleman Hybrid. In about 87 days. Same season as Country Gentleman but better yielder in poor years. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00; 5 lbs., \$1.75; 10 lbs., \$3.25.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 112.

To aid germination and increase vigor of early planted corn, treat with Semesan Jr., 4 oz., 50c.



Erlibird, Senator, Our Choice, Golden Treasure

Sweet Corn All Summer, 25¢

Collection No. 22. One Packet each, Earliest Golden Sweet, Golden Bantam, and Bantam Evergreen, prepaid for 25c. ½ lb. each, 50c; 1 lb. each, 85c.

OPEN POLLINATED YELLOW

★ **Golden Bantam.** Matures in about 64 days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour, has never been excelled. To maintain this supreme quality, however, requires constant vigilance, and there is great variation in the seed sold under this name. Our strain is grown on our Michigan farm, where it is selected for size, uniformity and flavor, and runs much larger than the usual type, and has better flavor. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Extra Early Golden Bantam. Matures in about 60 days. Prices are same as Golden Bantam.

★ **Earliest Golden Sweet.** Matures in about 53 days. To produce an earlier variety with the quality of Golden Bantam we have worked many years, and this is the best of many tested. It gives you Bantam quality twelve days earlier. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★ **Vaughan's Bantam Evergreen.** 75 days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Golden Country Gentleman (Golden Colonel). 90 days. By crossing Country Gentleman and Golden Bantam, this late variety was produced. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Golden 60-Day. 57 days. It is bred from 60-Day White crossed with Golden Bantam. Except for color, same as 60-Day. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Whipple's Early Yellow. About 67 days. A 14 rowed ear, 7 to 8 inches in length. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Golden Gem. 50 days. Earliest yellow, producing 8 to 10 row ears. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

OPEN POLLINATED WHITE

Vaughan's Earliest. About 50 days. The earliest medium sized white. The ear is sufficiently high on the stalk to make picking easy, and is of sufficient size so that 5 dozen will make a bag for the market. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 75c; 5 lbs., \$1.00; 10 lbs., \$1.85.

To Mail Order Buyers

See your Order Blank on Page 3 for special Mail Order Offer on packets, ½ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.

60-Day White. 54 days. Height 3 feet, ears 10 to 12 rowed, 6 to 7 inches. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 75c; 5 lbs., \$1.00; 10 lbs., \$1.85.

Vaughan's Mammoth White Cory. In about 67 days. The ears are long with 10 to 12 rows, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 75c; 5 lbs., \$1.00; 10 lbs., \$1.85.

Howling Mob. 70 days. A large-eared fine second early corn. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.00; 10 lbs., \$1.85.

Early Evergreen. About 78 days. It is earlier than Stowell's Evergreen and in northern localities is a surer cropper. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Country Gentleman. About 90 days. The grain is small and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Stowell's Evergreen. About 90 days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. Vaughan's eastern grown seed develops a larger percentage of sugar than seed grown in the western states. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Vaughan's Black Sugar or Black Mexican. About 90 days. Selected for large ears and high sugar qualities. Ears 10 rowed, 8 inches long. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25.

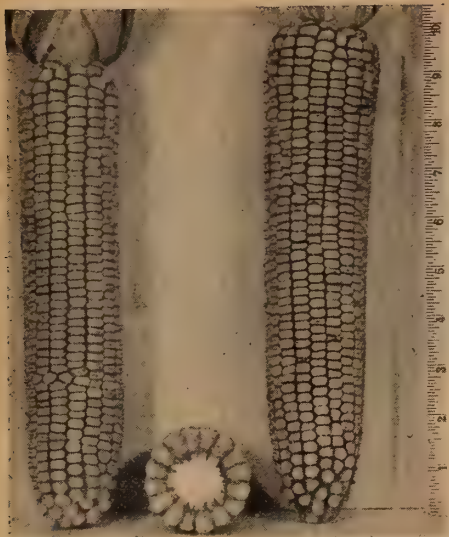
Pop Corn

Kansas Sunburst. 110 days. It is a yellow kernel, 16 row ear, 6 inches long. Handsome to look at, wonderful popping quality, making 26 times its own volume. Developed by the Kansas State College and Dept. of Agriculture. Stalks 6 to 6½ feet tall. 2 to 4 ears to stalk. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

South American. 110 days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.75.

Japanese Hulless. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.75.

White Rice. Pkt., 10c; lb., 25c; 5 lbs., 90c; 10 lbs., \$1.75.



HIGHBRED HYBRID CORN, WISCONSIN CERTIFIED.

Certified Hybrid Field Corn

We carry only certified hybrids that are grown, inspected, graded, tested and certified under strict state supervision—in tests in several states the Wisconsin hybrids have outyielded many other hybrids by 10% and more and open pollinated strains by 30%.

Tell us your location and we will send you the strain that in our opinion is best adapted to your locality. We offer these vigorous hybrids in four strains, 105 day, 110 day, 115 day and 120 day. Each strain may be ordered as follows:

	Peck	½ bu.	Bu.
Flat kernels (Edge Drop).	\$2.00	\$3.50	\$6.50
Medium Round (Hill Drop).	1.75	3.00	5.75
Large Round.	1.50	2.50	4.75

Above Prices Freight Paid.



WESTERFIELD'S CHICAGO PICKLE. Pkt., 10c.

Pickle Cucumbers

★Grow Quick. 48 days. A pickle type similar to Chicago Westerfield in size and shape, but a week or ten days earlier. It usually matures its crop before the early blight appears. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

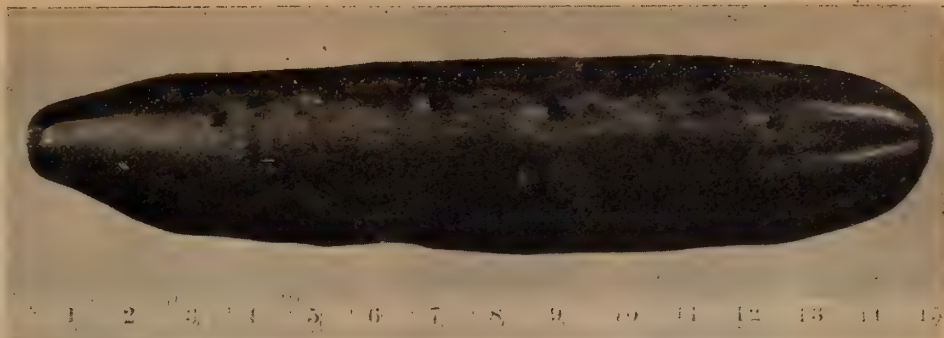
★Westerfield's Chicago Pickle. 58 days. Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

Improved Jersey Pickle. About 54 days. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." It is broader at the tip than at the stem end and nearly straight. It is very prolific. Our seed is very uniform. Pkt., 10c; oz., 20c; ¼ lb., 50c.

West India Gherkin. About 60 days. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 15c; oz., 25c; ¼ lb., 65c.

Snow's Fancy Pickling. About 56 days. The type is shorter than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The fruit being smaller, blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Green Prolific or Boston Pickling. In about 58 days. Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 20c; ¼ lb., 50c.



SPLENDID SALAD CUCUMBER—THE VAUGHAN. ABOUT 15 INCHES LONG. PKT., 10c.

Cucumber The Vaughan Still Largest and Most Popular

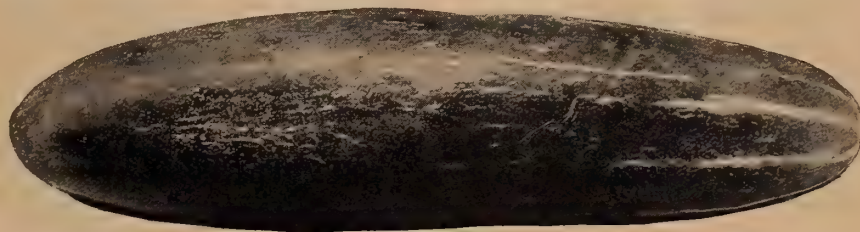
TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.

Home gardeners will have no trouble in producing from our strains fruits that not only excel in table equality, with distinctive flavor and crispness, but also are of exhibition quality in size and appearance. We recommend especially Mandarin, our new Chinese, earliest as well as of the highest quality, and the Vaughan, largest of outdoor varieties.

★The Vaughan. Matures in about 74 days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties, it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Our customers who grow it have greenhouse cucumbers raised outdoors. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Vaughan's Improved Arlington White Spine. About 60 days. A heavy yielder; symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Evergreen White Spine. About 60 days. A great blight resister. 8 to 12 inches long. Select stock. Pkt., 10c; oz., 25c; ¼ lb., 60c.



CUCUMBER COLORADO, OR "A AND C," ABOUT 10 INCHES LONG. Pkt., 10c; oz., 25c.

★Colorado, or "A and C." 60 days. A beautifully long, slender, dark green cucumber of excellent shape and intense dark color which is maintained longer than in any other variety. Fruit is inclined to taper, especially at stem end. Seeds form late in season and are few. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★Straight Eight. 60 days. A white spine which produces a high percentage of fruits perfectly straight, and 8 or more inches long. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★Mincu. Matures in about 55 days. Its fruits averaging 4½ inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 15c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

★Mandarin. Matures in about 45 days. Earliest of any variety we have tried, this new variety, thanks to its Chinese blood, is also supreme in quality. It is 10 to 12 inches long, 1¼ to 1½ inches in diameter, deep green, with the crispness and flavor for which Chinese cucumbers are noted. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★Hill Cucumber. 60 days. Produced by Dr. Yager of the North Dakota Agricultural College and is the true hill type. The cucumber is about 6 in. long and 2½ in. in diameter. Fit for any small home garden. Pkt., 25c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

Earliest of All. About 55 days. A fair size, dark green White Spine. Of special value for first crop. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Early Fortune. In 58 days. Medium length White Spine, much planted in the south. Pkt., 10c; oz., 20c; ¼ lb., 50c.



CUCUMBER MANDARIN. Pkt., 10c.

Improved Long Green. In 68 days. Used for yellow chunk pickles. The vines are vigorous and productive; the fruit (12 inches long) has a distinctive flavor. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Davis Perfect. 58 days. Fine length, slimness, beautiful dark green color and enjoyable crispness are qualities of this long white spine variety. Its extremely vigorous growth makes it the best blight resister of long sorts. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Japanese Climbing. About 58 days. This is quite resistant to disease and insects. It is good quality and of a dark green color when young, turning to a russet-yellow when ripe. May be grown on a trellis. Pkt., 10c; oz., 25c; ¼ lb., 60c.

Deltus. In 72 days. A dark green cucumber nearly free from spine, may be used for forcing out of doors. Pkt., 10c; oz., 25c; ¼ lb., 65c.

White Wonder. This variety of fine quality bears fruits 7 to 8 inches long which, when young, have pure white skin. Valued for table use and exhibition. Pkt., 10c; oz., 25c; ¼ lb., 65c.

FIRST RESISTANT CUCUMBER

Shamrock Resistant. Resistant to Mosaic, early, uniform and satisfactory as a slicer or small pickler. A white spine variety 6 to 8 in. long, bred by the Iowa Agricultural Experiment Station. Pkt., 15c; oz., 25c; ¼ lb., 65c.

ODD CUCUMBERS

Lemon Cucumber. In 52 days. Not the same as the Garden Lemon, though similar in appearance. It is a real cucumber, Pkt., 10c; oz., 25c; ¼ lb., 75c.

Serpent or Snake. In 80 days. A curious, usually much twisted cucumber. Pkt., 10c; oz., 25c; ¼ lb., 75c.

ENGLISH FRAME CUCUMBER

Rollison's Telegraph. In about 60 days. English greenhouse forcing. Pkt., 25c.



KISSIN

BLACK KING

NEW HAMPSHIRE



GREEN CURLED ENDIVE. Pkt., 10c.



VIENNA KOHLRABI EARLY WHITE. Pkt., 10c.

Egg Plant

EGG plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows three feet apart, the plants two feet apart. Our special strains excel in uniformity, flavor and yield.

★Kissin. Matures in about 100 days. See Novelty Page. The earliest and most prolific variety we have tried. On a small bush as many as 12 fruits are borne, each 6 inches long and 3 inches in diameter. This oval shape makes slicing easier, and the quality is superb. Color is a rich dark purple. Pkt., 15c; ½ oz., 30c; oz., 50c.

★Black King. 90 days. This new hybrid from Japan is a heavy yielder, a vigorous grower and earlier than other varieties. The fruit is about two-thirds as large as Black Beauty and the vines produce as many as thirty fruits. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

★Black Beauty. 110 days. Twelve days earlier than New York. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth; has beautiful, rich purple color and handsomelustre. Pkt., 10c; oz., 60c; ¼ lb., \$1.75.

Improved New York Purple. About 120 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

New Hampshire. 100 days. Earlier and smaller than Black Beauty, and of the same type, it yields more fruits. Must be harvested as soon as mature for best quality. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Chervil

Double Curled. About 70 days. An aromatic plant resembling parsley but being superior in flavor. The leaves when young are used for flavoring and garnishing meats. Seed requires four to five weeks to germinate. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Chicory

Witloof (French Endive). In about 120 days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Large Rooted Magdeburg. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★Asparagus Chicory. 80 days. Cultivated for its fresh green shoots, which are boiled in salt water and served hot, or in cold salad. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Chives

A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. The seeds are used for seasoning. The flowers are a beautiful lavender. Pkt., 10c; ½ oz., 30c; oz., 50c; Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

Endive

ENDIVE is a delightful autumn and winter salad. Sow seed from middle of June to the end of August. Frost improves the flavor.

★Full Hearted Escarole (Broad Leaved, White). 75 days. Of the straight, smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought, and when tied up for bleaching it produces a cluster of creamy, tender, spicy leaves which are easily prepared for serving. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★Florida Deep Heart Escarole. It has a deeper heart and is more easily blanched. Pkt., 10c; oz., 25c; ¼ lb., 60c.

Green Curled. In 70 days. Standard variety for fall and winter. Finely divided leaves make the plant appear mossy, and when centers are blanched it is most beautiful. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Moss Curled. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Rose Ribbed Curled. In 75 days. Has leaf ribs of red. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Ever White Curled. About 75 days. Very crisp. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Deep Heart Fringed. (See Novelty Pages.) Pkt., 15c; oz., 20c; ¼ lb., 50c.

Collards

A leafy plant having foliage similar to that of cabbage, but does not form a head. Is used as greens and is adapted to districts where the cabbage does not head readily. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Corn Salad

Field Salad. In 70 days. (Mache-Stick, Salat.) A most refreshing salad. Hardy, much used in winter in place of Lettuce. Sow either in spring or fall. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Cress

Upland Cress. About 65 days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Curled Garden. About 65 days. Used with Lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Water Cress (Wasser Kresse; Cresson). About 75 days. The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water; it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.90.

Dandelion

THICK leaf or cabbage variety. Cultivated for spring greens, is fast gaining favor. Unlike common sorts, almost double usual size. Pkt., 25c; ½ oz., 40c; oz., 75c.

Finnocchio

Fennel, Florence. 75 days. It has an enlarged leaf base which should have the dirt drawn up around it when it is the size of a hen's egg. Height of plant, 2 feet. Directions for culture and use given with each order. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Garlic Sets

Selected Bavarian. In about 110 days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement. Lb., 30c; 10 lbs., \$2.50. Postage extra. Write for latest market prices on quantities.

Horseradish Sets

Horseradish. The roots produce good Radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets, recovering the plant as fast as accomplished. Doz., 40c; 100, \$2.50; 1,000, \$15.00.

Kohlrabi

Sow in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like Turnips, but are much sweeter.

★Early White Vienna. 60 days. White and tender. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Early Purple Vienna. About 60 days. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Short-Leaved Early Erfurt. About 50 days. For forcing in open ground. White flesh, very tender, short leaves. Pkt., 10c; oz., 30c; ¼ lb., 85c.

Kale or Borecole

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

Dwarf Green Curled Kale. In about 110 days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sale in the north. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Vaughan's Excelsior Moss Curled Kale. Ready in about 110 days. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 20c; ¼ lb., 40c.

Tall Green Curled. About 110 days. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Siberian. In 110 days. Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Leek

Leeks are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 days.

★Elephant. Largest of all leeks. Pkt., 10c; oz., 30c; ¼ lb., 85c.

Large Musselburg. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Broad Scotch or London Flag. Hardy; a strong plant, with broad leaves. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Large Carentan. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Bowl Salads in Hot Weather from New Oak Leaf Lettuce

LEAF LETTUCE

★ **Lettuce Oak Leaf.** 40 days. Leaf lettuces are so far superior to the blanched heading type for bowl salad, there is a growing demand for them throughout the summer. This novel variety excels in ability to withstand hot weather without turning bitter. Its leaves are small, tender, and deep green, testifying to their richness in Vitamins. It has the superior flavor of the butter-type leaf. Pkt., 15c; oz., 25c; ¼ lb., 60c.

★ **Black Seeded Simpson.** Matures in about 40 days. The excellent qualities of this variety have been constantly improved in our select strain. Its large leaves in the rich green color which gives proof of Vitamin C content, are thin, tender and crisp, the inner ones forming a loose head. It is one of the most vigorous varieties in hot weather and being slow to run to seed, it gives a long harvest period. It is especially adapted to the needs of the home garden.

Vaughan's Selected Stock. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★ **Grand Rapids.** About 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing, is a curly leaved lettuce of upright habit, permitting close planting. An excellent keeper and shipper. The leaves are light green, daintily curled, tender and crisp. The flavor is delicious. Our selected stock has been bred to a high degree of uniformity in type and season.

Vaughan's Extra Selected Stock. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★ **Early Curled Simpson.** About 40 days. A white seeded leaf lettuce of excellent quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★ **Prizehead.** About 45 days. A popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender. Pkt., 10c; oz., 20c; ¼ lb., 50c.



EXPRESS
COS.
Pkt., 10c.

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Esteemed the finest of lettuces in flavor.

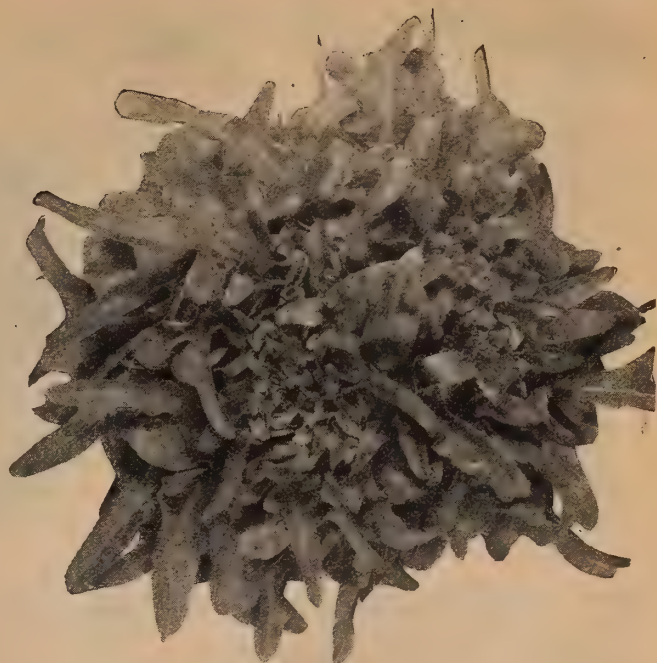
★ **Express Cos.** In 60 days. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★ **Paris White Cos.** In 70 days. Grows to large size. Self-closing. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★ **Trion Cos.** About 70 days. Similar to above, but grows whiter and matures earlier. Pkt., 10c; oz., 20c; ¼ lb., 50c.

QUICK, tender growth is necessary for quality lettuce. Our strains are selected for earliness, together with vigor in hot weather and slowness in running to seed, which is all important in our mid-western summers. Discovery that green leaves are richer in Vitamin C than blanched leaves is reviving the popularity of leaf lettuces, which are easiest for the amateur to grow.

Romaine or cos lettuce is recommended to home gardeners. It produces tender leaves of fine flavor which may be served green or may be bleached by tying up the heads, and it is as easy to grow as leaf lettuce. Head lettuce may be matured in the fall more easily than in the spring. Quantity needed to sow: 30 ft., 1 pkt.; 250 ft., 1 oz.



LETTUCE OAK LEAF. Pkt., 15c; oz., 25c; ¼ lb., 60c.



For Bowl Salad Give Me Leaf or Romaine Lettuce

— Says Emile Foially, salad chef of the Hotel Sherman's famous College Inn, Chicago.

"They are far more tender and better flavored; and take the salad dressing perfectly, which is important. And the doctors say their green leaves have more vitamins. What a combination!"

HEAD LETTUCE

★ **New York No. 12.** Matures in about 75 days. This is the variety grown in California and shipped the year around to eastern markets. It is the largest of all head lettuces, often weighing two pounds. It matures slowly, first forming a conical head which becomes globular. It stands the hot weather well. Because of its size plenty of room must be given between plants. We offer the highly selected strain known on the Pacific Coast as No. 12. Our strain is specially selected for earliness and ability to withstand hot weather. Seed should be started indoors and the seedling plants can be set out when true leaves have been formed, as soon as the soil is prepared. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★ **Iceberg.** Matures in about 80 days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. Its leaves have small indents which fill with dew drops, giving the plant a crystalline appearance, hence its name. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★ **New York No. 515.** 75 days. This is a curled, crisp heading variety, large size, dark green. It is a cross between New York and Iceberg and was bred for resistance to tip burn, to which it shows strong resistance. Excellent for the home or market garden. Pkt., 15c; oz., 30c; ¼ lb., 75c.

★ **Improved Hanson.** Matures in about 80 days. This tight-heading globe-shaped variety excels especially with its vigorous growth in hot weather, which makes it well adapted to midwest conditions. It has broad leaves, beautifully crinkled, tender and sweet. The outside leaves are a deep green, and the inner ones almost white. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★ **Imperial Lettuce No. 44.** The latest introduction in blight resistant types. This new type of New York gave the largest percent of heads of any lettuce in our trials in 1939. Heads a little earlier than 847 and is a little more curled. Pkt., 20c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

★ **Imperial No. 847.** A strain of New York found by experience to be the best suited to our conditions which we offer at: Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

★ **Vaughan's All Seasons.** About 80 days. In 1879 we introduced this distinctive variety. It is still a favorite. Heads are large, solid and handsome. It stands hot weather well and is slow to run to seed. Pkt., 10c; oz., 20c; ¼ lb., 60c.

★ **May King.** 60 days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★ **Vaughan's Big Boston.** In about 75 days. With southern gardeners who ship north, this is considered the best early large heading sort. Its earliness makes it valuable for home gardeners in the north. Large heads of bright green leaves, very tender. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★ **California Cream Butter.** About 75 days. One of the best summer varieties, large solid heads, buttery flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★ **Mignonette.** In 80 days. A delicious, crisp, solid, small lettuce. Pkt., 10c; oz., 25c; ¼ lb., 65c.

FAST GROWING HEAVY YIELDING GREENS FOR POULTRY
★ **New Chicken Lettuce.** About 48 days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. The leaves can be pulled off each stem like a kale. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

Hearts of Gold is Sweetest



MELON HEARTS OF GOLD. Pkt., 10c; oz., 20c.

TO ONE who has tasted a Vaughan's Hearts of Gold muskmelon ripened on the vine, quality in muskmelons has a new meaning. In no other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor, small seed cavity and thick flesh.

Remember, muskmelons must ripen on the vine. Except the Honeydew, they do not improve after picking. Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.

★**Hearts of Gold.** 88 days. For the home garden, this is our idea of the most delicious variety that can be grown. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Vaughan's Milwaukee Market.** Matures in about 87 days. This is a large melon averaging 8 in. in diameter, with a small seed cavity and thick salmon flesh, which has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding on our Michigan farms, and has reached its highest point in seed from hand-cut, inspected melons.

Seed from hand-cut, inspected melons—Pkt., 15c; oz., 30c; ¼ lb., 75c.

Standard Seed—Pkt., 10c; oz., 25c; ¼ lb., 60c.

★**Honey Rock (or Sugar Rock).** 80 days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor, suggesting the Honey Dew taste. It produces heavily and is the earliest quality variety. Oval fruits of medium size. An excellent home garden variety. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Imperial.** 85 days. Pale cream color skin with small amount of coarse netting, but looking quite smooth. Yellow flesh and a faint Honey Dew flavor. Season of Milwaukee, very similar to Weaver's Special, but smaller and more subject to cracking. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Bender's Surprise.** 90 days. Large, thick-fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. An excellent home garden variety. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Pride of Wisconsin.** 90 days. This new variety seems to include many of the desirable characteristics of the Honey Rock. The rind is very hard, of a pearly grey color, with but a faint rib, heavily covered with a distinctive netting. The flesh is unusually thick with good flavor. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Superb.** 90 days. Delicious, thick-fleshed with flavor blending Osage and Honey Rock. Grows 6 to 8 inches long, 5 to 7 inches in diameter. Pkt., 20c; oz., 35c; ¼ lb., 60c.

★**Pride of Michigan.** 90 days. Originated by H. C. Owen on our farms. A cross between Milwaukee Market and Honey Rock. Variable in outer markings, but of small cavity, thick flesh and excellent flavor. Pkt., 15c; oz., 25c; ¼ lb., 75c.

★**Golden Marvel.** 90 days. (Golden Osage.) A melon varying in shape from round to oblong, with varying netting, small seed cavity and thick flesh of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Golden Oblong.** 87 days. It has the appearance of Honey Rock, 10 inches long, 6 inches in diameter; but superior flavor. George Swisshimer of Muskegon, Mich., says of it: "In the fashionable White Lake and Sylvan Beach, resorts prefer this melon over all others." Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Persian.** About 102 days. Perhaps the largest of all quality melons, but with too long a season to mature in the north. A fruit will weigh 10 lbs., almost spherical in form, heavily netted, with thick pink flesh, fine flavor. Pkt., 15c; oz., 25c; ¼ lb., 65c.



CUBAN QUEEN

Each, pkt., 10c; oz., 20c; ¼ lb., 50c;

DIXIE QUEEN

OVID

RED RUSSIAN

One packet of each (4 packets), 25c.

Newest Early Watermelons

WATERMELONS may be grown under favorable conditions in the north though they require 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines and use only hand tools in cultivation. Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.

★**Stone Mountain.** 82 days. A new round melon having red flesh free from stringiness. Very productive and excellent for home use. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Stone Mountain Resistant No. 5.** Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Ice Box.** 70 days. It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, striped, has a thin hard rind and flesh of deep pink with few small black seeds. It is early, hardy and of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Cole's Early.** 80 days. The northern states' favorite. The flesh is rich, deliciously sweet and crisp. It is about 20 inches long, 12 inches through; not a good shipper. Pkt., 10c; oz., 15c; ¼ lb., 35c.

★**Dixie Queen.** 80 days. The latest. It is semi-round, has very thin rind but stands shipping. Has white seed and deep red flesh. One of the sweetest. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Cuban Queen.** Like Dixie Queen, with black seed. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Ovid. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Hales Best No. 45. 86 days. This is the improved Hales Best type of outstanding merit. It not only is resistant to mildew and the ideal melon for shipping but is rapidly becoming a leader in other sections wherever Hales Best is grown. The shape is oval, the size is medium with heavy net and a faint stripe which insures earliness. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Vaughan's Select Early Osage.** About 87 days. Not as large as Osage, but of equal quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Early Knight or Sweet Air.** About 95 days. Pkt., 10c; oz., 20c; ¼ lb., 45c.

★**Tip Top.** 96 days. It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Honey Dew.** 110 days. An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. Honey Dew is best when quite ripe. Unlike other melons, it grows sweeter after being picked. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★**Banana.** In 94 days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Vaughan's Osage Gem.** In 92 days. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Emerald Gem.** In 87 days. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Mango Melon or Vegetable Peach.** Makes splendid mangoes, stuffed like peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 25c; ¼ lb., 75c.

THE ROCKY FORD TYPE

★**Rocky Ford Netted Gem.** About 96 days. Of the green-fleshed muskmelons, Rocky Ford is the recognized standard of excellence. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Pollock, 10-25.** About 98 days. Salmon tint. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Edwards Perfecto.** In 96 days. "Salmon-Fleshed Rocky Ford." Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Red Russian.** 75 days. Outside very similar to Harris Early with stripings a little narrower. Flesh very deep pink, brown seeds, thin rind and very solid center. Few days earlier than Harris but preferable eating quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Klondyke.** In 90 days. This is known as the best long black watermelon grown in California. The seeds are small, flesh a deep red. It has a remarkable flavor, stands short distance shipping but is more of a home type. Pkt., 10c; oz., 20c; ¼ lb., 45c.

★**Tom Watson.** In 92 days. The flesh is rich red; tenderly melting. Pkt., 10c; oz., 15c; ¼ lb., 35c.

★**Sweet Siberian.** In 86 days. A very early variety of Russian origin. The melon is dark, of medium size, with yellow flesh of superb quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Improved Kleckley.** About 87 days. Similar to Kleckley's in shape, but larger and has harder rind. Pkt., 10c; oz., 15c; ¼ lb., 45c.

★**Irish Grey.** In 90 days. A mottled greenish grey, equal of any. Pkt., 10c; oz., 20c; ¼ lb., 45c.

★**Wilt Resistant Kleckley's No. 6.** 92 days. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

★**Citron.** In 90 days. For preserves. Pkt., 10c; oz., 15c; ¼ lb., 35c.

★**Winter Watermelon.** Like Honey Dew in size and long-keeping qualities. Prolific, and excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c.

OTHER GOOD WATERMELONS

★**Rattlesnake or Gypsy Striped.** About 85 days.

★**Halbert Honey.** Matures in about 87 days. Either of above, pkt., 10c; oz., 15c; ¼ lb., 35c.



PARSLEY, Champion Moss Curled. Pkt., 10c.

Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows.

Rich and mellow soil is desirable for best results. When the plants are well up, thin to 8 to 12 inches in the row. When the plants of the curled varieties are about three inches high, cut off all the leaves. New growth will be brighter and better curled.

The rooted parsley provides excellent flavoring for soups and stews. Quantity needed to sow 50 ft., 1 pkt., 200 ft., 1 oz.

★ Vaughan's Champion Moss Curled.

Robust, compact plants are quickly produced; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Fern Leaved. Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and flavor. Pkt., 10c; oz., 25c; ¼ lb., 50c.

Vaughan's XXX Parsley. The daintily curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It grows very dwarf in the garden—many of our customers plant it as a border. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Plain or Italian. The leaves are not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Double Curled. A very fine dwarf, handsome green, curled variety. Pkt., 10c; oz., 15c; ¼ lb., 40c.

Hamburg Rooted or German. The root resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Evergreen. Darkest green of the curled types. All-America award. Pkt., 15c; oz., 20c; ¼ lb., 50c.

Parsnips

PARSNIPS may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide. Quantity needed to sow 25 ft., 1 pkt.; 150 ft., 1 oz.

★ Vaughan's Marrowfat. The accompanying illustration tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance which distinguishes this high-class variety. In richness of flavor it is unequalled. For exhibition it is a winner. Pkt., 10c; oz., 20c; ¼ lb., 45c.

Hollow Crown, Long Smooth. Smooth, large, tender and sugary; one of the best. Our strain is a good selection. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Improved Guernsey. An improvement over the parent, "Hollow Crown," but it is much larger in diameter, though not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Early Half Long. This parsnip makes a fine garden vegetable. The tops are only about half the size of Hollow Crown. The roots are short and thick, having a diameter of 2½ to 3½ inches and a length of only 6 or 8 inches at the thickened part. Fully a month earlier than Hollow Crown, it often reaches full size in 100 days from planting time. Pkt., 10c; oz., 15c; ¼ lb., 40c.

Ideal (All-America). Roots slightly shorter than Hollow Crown and freer from side roots; tender, uniform and slightly hollowed neck. Washes up a good white. Pkt., 10c; oz., 15c; ¼ lb., 40c.



MAGNUM DULCE RUBY KING CALIFORNIA WONDER HUNGARIAN

New Giant Peppers

LIKE egg plants and tomatoes, peppers should be started indoors, as they take four to five months to mature. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family. One packet produces 75 plants; one ounce, 1000 plants.

★ Early California Wonder. Matures in about 60 days.

A quality giant which is recommended for the home garden. Mild, sweet, midseason, it produces fruits to equal the largest, 4 inches in diameter by 4½ inches long, with thick flesh and bright crimson coloring. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

★ California Wonder. A mild, sweet, mid-season variety, very large, measuring 4½ inches in length by 4 inches in diameter. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. One of the heaviest peppers grown, not as prolific as some but much more desirable. Pkt., 15c; ½ oz., 40c; oz., 70c.

★ "Windsor A." This is a production of the Connecticut Agricultural College and is similar in structure to California Wonder. It is 5 inches long, one and one half to two inches at the shoulder and one to three points, more often one. The walls are very thick and it is especially sweet flavored. Much more productive than California Wonder and earlier. Pkt., 20c; ½ oz., 40c; oz., 75c.

★ Vaughan's Giant Magnum Dulce.

This fine mild pepper can be grown to immense size—7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 40c; oz., 70c.

★ Harris' Early Giant.

This is the heavy yielder among the large peppers. It is also earlier than other large kinds. The plants are vigorous, 18 inches tall, and the peppers 4 by 4½ inches. Color, deep green turning to red; flesh thick and very sweet. Pkt., 15c; ½ oz., 40c; oz., 70c.



VAUGHAN'S MARROWFAT PARSNIPS. Pkt., 10c.

World Beater. Fruits are 5 inches long by 3½ in. diameter; flesh thick and mild; very productive and a good shipper. Pkt., 10c; ½ oz., 35c; oz., 60c.

Crimson Giant. One of the earliest large red sweet peppers. In habit the plant grows two and one-half feet high and bears a large quantity of fruits. The peppers are large, deep green when young and a rich red when ripe; flesh thick, sweet and mild. Pkt., 10c; ½ oz., 45c; oz., 75c.

King of the North. A sweet early type, medium short and blocky. Not quite as early as Early Giant. Pkt., 20c; ½ oz., 40c; oz., 70c.

Chinese Giant. The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavored and makes a very fine salad sliced and served like tomatoes. Pkt., 20c; ½ oz., 45c; oz., 75c.

Hungarian (Hot). A long, slender type of hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 10 inches long. Pale green turning to red. Pkt., 15c; ½ oz., 40c; oz., 70c.

Hungarian (Sweet). Same type as Hot Hungarian, but sweet. Pkt., 15c; ½ oz., 40c; oz., 70c.

Ruby King. One of the most popular varieties, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 10c; oz., 45c.

Bull Nose, Hot. A pungent very early pepper. Pkt., 10c; oz., 45c.

Pimento Perfection. Flesh extremely thick and very mild. Must be started early in the north to mature. Pkt., 10c; ½ oz., 20c; oz., 35c.

Large Bell. Large, mild. Pkt., 10c; oz., 45c.

Cayenne. Long, red, hot. Pkt., 10c; oz., 50c.

Vaughan's Sweet Mountain. The fruit when young is a bright, deep green, without shade of purple; when ripe a handsome red. The habit of growth is strong and it is very productive; the flesh is very mild and thick. The peppers often grow 6x4 inches. Pkt., 10c; oz., 50c.

Oakview Wonder. Smaller than California Wonder but blockier, smoother and more symmetrical. The bush is more compact. It has thick walls and high quality combined with exceptional uniformity, earliness, and high yield. Pkt., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

Fordhook. 60 days. Large, early and prolific, of rich green turning crimson, bears upright clusters of 5 to 7 fruits, thick walled, and of excellent quality. A good garden or market pepper. Pkt., 50c;

OTHER PEPPER SORTS

Golden Queen. Pkt., 10c; ½ oz., 35c; oz., 65c.

Tabasco. Hottest of all. Pkt., 10c; ½ oz., 35c; oz., 60c.

Red Chili. Good hot pickling. Pkt., 10c; ½ oz., 50c; oz., 75c.

Grow Your Own Mushrooms

TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. We give FREE with orders for our Mushroom Spawn a leaflet, "How to Grow Mushrooms."



Ask for Directions, How to Grow Mushrooms on Lawns and Pasturelands.

PURE CULTURE BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One carton equals 5 bricks of ordinary spawn and is sufficient to spawn about 40 square feet. The spawn is dried thoroughly and wrapped in paper and packed in cartons, with full directions how to grow mushrooms.

Per carton, \$ 0.90 25 cartons for . . . \$18.75
12 cartons for 9.00 50 cartons for . . . 36.50
If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per carton.

PURE CULTURE BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white and cream.

Per brick, \$ 0.35 Per 10 bricks, . . . \$ 2.75
Per 5 bricks, 1.50 Per 25 bricks, . . . 5.50
Per 50 bricks, 10.00 Per 100 bricks, . . 18.00
If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.

Mushroom Cartons—lb. size \$1.75 per 100 or \$16.00 per 1000, postage at zone rate, 100 cartons weighing 11 lbs.

Mustard

Leaves useful as salad or boiled like Spinach. Matures in 30 days.

Chinese Smooth. Large, light green, smooth leaves, borne well above the ground. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Florida Broadleaf. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

Giant Southern Curled. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Improved Ostrich Plume (Fordhook). The handsomest of the mustards. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

White. Good for general use. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy. Matures in about 50 days.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

White Velvet. Produces pods larger than any other. Pkt., 10c; oz., 15c; ¼ lb., 25c.

White Lightning. Similar to White Velvet, 6 inches longer pod, remaining tender for a greater period of time, making it much more desirable. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Tall or Perkins Mammoth. The long pods, measuring 4 and 5 inches, are produced in great quantities. Pkt., 10c; oz., 15c; ¼ lb., 25c.

Dwarf Long Pod. Low, stocky and productive, with long pods. Pkt., 10c; oz., 15c; ¼ lb., 25c.

Clemson Spineless. Very similar to Dwarf Long Pod; a little taller bush, having longer and darker pod. Pkt., 10c; oz., 15c; ¼ lb., 35c.



WHITE LIGHTNING

CLEMSON SPINELESS



WHITE

RED

YELLOW

VAUGHAN'S BOTTOM ONION SETS

Onion Sets and Plants

THE first home garden harvest in the spring is young onions from sets. If perennial sets are planted in the fall, a crop is reaped long before the first outdoor seeds have sprouted. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

Quantity needed for 75 to 100 ft., 1 qt.

White Bottoms. Our sets of these are very choice, small, dry and unspouted. Pt., 20c; qt., 30c; ½ pk., 60c; pk., \$1.00.

Yellow Bottoms. Fine dry sets, medium in size and unspouted. Pt., 20c; qt., 30c; ½ pk., 50c; pk., 90c.

Red Bottoms. Bright, deep red in color, even and dry. Pt., 20c; qt., 30c; ½ pk., 50c; pk., 90c.

Golden Globe. Sets. Pt., 25c; qt., 40c; ½ pk., 60c; pk., \$1.00.

Globe Sets. Red, yellow and white. Pt., 20c; qt., 30c; ½ pk., 60c; pk., \$1.00.

Egyptian or Red Perennial. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce green Onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell in fall only, to be planted for early spring crop. Pt., 20c; qt., 35c; ½ pk., 60c; pk., \$1.00.

White Multipliers. Especially valuable for the First Early Spring Bunch Onion. They are of a pure silvery-white color which runs well up the stem, and in flavor, very mild and sweet, far superior to the green onions from other sets. There are usually several stalks from a single bulb and in this way they are very productive. Their most important quality is extreme earliness, being ready for eating ahead of any other kind. Pt., 25c; qt., 40c; ½ pk., 95c; pk., \$1.75.

Shallots or Yellow Multipliers. Flavor much superior to ordinary onions. Pt., 20c; qt., 30c; ½ pk., 60c; pk., \$1.00.

Yellow Potato. Pt., 25c; qt., 40c; ½ pk., 75c; pk., \$1.25.

BERMUDA ONION PLANTS

These are especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern gardens, to produce sweet, mature onions of Bermuda quality. Ready April 1st. Per 100, 30c, postpaid. Per 1000, \$2.00, postage extra; weight about 6 lbs. per 1000.

The largest onions may be grown from sets ½ to ¾ inches in diameter. Golden Globe or Riverside sets are best for this purpose.

Plant and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For further zones add 5c per pound. In figuring cost remember each quart weighs 1½ pounds.

Onion Seed of Flat and Pickling Types

Quantity needed for 25 ft., 1 pkt.; 125 ft., 1 oz.

White Portugal or Silverskin. About 95 days.

This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., \$2.50.

Brown Australian (Flat). About 95 days. A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder and a long keeper; keeps well in warm climates. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$1.75.

ITALIAN ONION SEED

Vaughan's Pickling. About 70 days. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., \$2.50.

White Pearl. In 70 days. Remarkable for earliness and very mild flavor, it is small and white-skinned. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

White Barletta. About 65 days. Beautiful waxy white. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

Japanese or Ebenezer. In 100 days. There has been a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Japanese Onion Sets produce a much larger tonnage of marketable onions than does the old Strasburg or Danvers. Moreover, a smaller percent of the sets run to seed. Ebenezer is a fine keeper, mild and well flavored. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

Bermuda Onion Plants started in Texas and sent North to grow on in your garden will give you backyard Bermudas with little trouble.

New Greens

Tendergreen. A new variety of greens, producing only a small root, but large dark green leaves having a small rib. It is the only vegetable that is ready for table or market in 21 to 25 days after planting, and will produce 8 to 9 crops a year. An excellent addition to the list of greens. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Sea Kale

Sea Kale. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Martynia

The tender young seed pods, gathered when half-grown, make excellent pickles. Pkt., 10c; oz., 35c.

Onions Bred to Like Your Soil and Climate



ONION VALENCIA SWEET SPANISH. Pkt., 20c; oz., 50c; ¼ lb., \$1.50.

PLANT breeders select for parents specimens which do well in their breeding grounds. If bred in Illinois, the progeny of these plants will be resistant to Illinois hazards, and will have a liking for similar soil and climate.

Breeding work in California necessarily develops strains that thrive under the unique California conditions but which might not thrive so well elsewhere. Because of this we breed all our onions in Illinois, so we can know that our strains are adapted to the conditions of soil and weather which prevail in the great area lying east of the Rocky Mountains to the Atlantic Ocean, where our seed is chiefly grown. Liking for this environment is bred into our onion strains.

Our strains are grown from mature onions which have been carefully inspected for conformation to type, and excel in productiveness and uniform quality. The small additional cost over ordinary seed is insignificant compared to the great improvement in your crop. Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

Onions for Winter Keeping

★Southport Yellow Globe. Ball type. In about 110 days. For growing on muck soil, this is the best keeping strain we have been able to develop in years of growing and selecting. This is the most uniform strain and will keep in storage longer than any other we know. It is preferred by large onion growers. Pkt., 15c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.

★Southport Yellow Globe. Globe type. In about 110 days. This has been our California strain, but we are now breeding it in Illinois and have an excellent onion for heavy or high land. It makes a larger onion on high land than the Ball type, but is not suitable for low or muck soils. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

Southport Red Globe. About 120 days. A little deeper than Southport Yellow Globe, in color a rich dark red. A wonderful keeper with finely bred neck and a heavy yielder. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., \$2.50.

★Vaughan's Special Yellow Globe. 90 days. ("MOUNTAIN" DANVERS.) Slightly smaller than Southport. When aphid damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

★Golden Globe. 110 days. An exceptionally fine yellow globe onion of superior weight. When grown as a dry onion its keeping quality is superior, making it very desirable for the home and market gardener. Has a very deep globe, carrying its greatest diameter well up from the root. Has 3 skins for protection and from seed matures same time as Southport Globe. From sets it matures much earlier. It is a heavy yielder and a fine keeper. Pkt., 15c; oz., 35c; ¼ lb., 90c; lb., \$3.00.



Golden Globe. Pkt., 15c.

Large Red Wethersfield. About 100 days. An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class in the south and southwest. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb. \$2.25.

Fancy Yellow Globe Danvers. About 110 days. This is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe shape that it passes for globe on the market. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

Brigham Yellow Globe Onion. A strain of Southport Yellow Globe, grown and selected for years by Mr. Brigham of Decatur, Mich. While not as uniform in shape, it is among the best in production and keeping qualities. It may be grown successfully on either muck or heavy soil. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

Ohio Yellow Globe. In 110 days. Of uniform shape, beautiful color and fine size, it out-classes the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

Vaughan's Ideal White Globe. About 120 days. A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 10c; oz., 45c; ¼ lb., \$1.15; lb., \$3.75.

BUNCHING ONIONS

★White Bunching Onion. 60 days for bunching; 120 days to mature. A European onion for early spring and summer bunching. Makes a very nice white tender stalk. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

Early White Welsh Onion. About 100 days. The best winter bunching onion; forms no bulb. Plants can be propagated from seeds or divisions. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

He-Shi-Ko or Japanese Bunching Onion. Sow early in the spring and harvest green onions all the summer. It is much superior to the Early White Welsh in having larger leaves, longer stalks and remaining tender much longer. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

Spanish or Bermuda Type

★Valencia Sweet Spanish. 110 days. Matures in about 110 days. Here is a mild, sweet, giant onion of the true Spanish or Bermuda type, which you can grow from seed in your own garden. From seed it will produce onions weighing a pound; if started in the hotbed, two pound specimens can be grown. It takes two or three years for us to produce seed in Illinois, and the crop is always light, but the quality justifies the increased cost of seed. These onions are delicious at all stages of growth and will give you something to boast about. Pkt., 20c; oz., 50c; ¼ lb., \$1.50.

★Riverside Sweet Spanish. 110 days. This is a California grown strain of the Spanish (Denia) onion. With us it grows larger than the American Prizetaker and does not produce the "stiff-necks" usual in the Spanish type. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4½ pounds. In color it has a cream or pale yellow tint. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$2.75.

★Riverside White Spanish. 110 days. Large-size, bred from parents noted in Spain for size and mild flavor. It is unequaled for the production of tender, mild green onions for table use, and if grown to maturity produces a large white bulb of remarkable keeping qualities. We recommend it to home gardeners for eating raw both as green onions and in its mature stage. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.25.

★Prizetaker—American Grown. 100 days. Among large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become thoroughly acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

Crystal White Wax. In about 60 days. This is a pure white flat onion, very popular in the south, especially in Texas. Will make but small onions in the north. Very sweet. Teneriffe seed. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

Ailsa Craig—Vaughan's Selected Stock. In 115 days. It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes. The shape is globular and it forms a fine thick neck. It is, for a large onion, a splendid keeper; for eating raw it has no superior. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$2.75.

Yellow Bermuda. In 60 days. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped north for early spring use. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

Mammoth Silver King. About 100 days. Averages 15 to 22 inches in circumference and weighs 2½ to 4 lbs. It matures early and is uniformly large and of good shape. Flat, but thick. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., \$2.50.

For a continuous crop of green onions, sow He-Shi-Ko in August for the first crop in early spring. Plant sets in spring for second crop and sow White Lisbon seed in spring for summer green bunch.



EARLY GILBO PEAS. Pkt., 15c.

Eat Your Own Peas Six Weeks for 25¢

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

DWARF

★ **Little Marvel.** 60 days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★ **Giant Stride.** 80 days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find the new Pea Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. It makes a vine 16 to 18 inches tall, dark green, with pods longer than Laxton's Progress and better filled with peas of excellent flavor. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

★ **Early Gilbo.** 69 days. A new pea from one of our oldest pea growers. Rogers Brothers have perfected what they consider one of their best market garden varieties and have named it after one of their oldest breeders. Vine 24-28 inches tall, very dark and heavy. Pod 4½-5 inches long by ½ to ¾ inches wide, of the Dwarf Alderman type. Season 69 days. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

★ **Nott's Excelsior.** In 58 days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00.



LAXTON'S PROGRESS. Pkt., 10c.

Sow in Early Spring
LITTLE MARVEL—Dwarf, Early
HUNDREDFOLD—Dwarf, Main Crop
GIANT STRIDE—Dwarf, Late
 1 Pkt. of Each (3 pkts.), 25c.
 ½ lb. of each (1½ lbs.), 45c.
 1 lb. of each (3 lbs.), 85c.

★ **Century of Progress.** Matures in about 72 days. This is a vigorous growing, heavy yielding variety which bears large, wrinkled peas of the very highest table quality in greater profusion than other varieties of equal quality. It grows 20 inches tall, with heavy foliage of a dark green, and dark green pods 4½ inches long. It is an excellent home garden variety. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★ **Laxton's Progress.** 62 days. The earliest large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★ **Hundredfold.** About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★ **Sutton's Excelsior Improved.** In about 64 days. It is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. Very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, dark green color. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★ **American Wonder.** Among the oldest of the home garden peas it is being superseded by Nott's Excelsior and Little Marvel. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★ **Extra Early Gem.** Use Nott's Excelsior as it is superior. Prices the same.

★ **Premium Gem.** An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel as they are superior. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★ **Dwarf Telephone or Daisy.** About 72 days. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★ **Dwarf Defiance or Stratagem.** About 75 days. Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00.

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

★ **Vaughan's Improved Telephone.** 72 days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

★ **Everbearing.** About 76 days. For late summer and autumn; very prolific variety. Pod about 3 inches long, with large peas of good quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

★ **Black-Eye Marrowfat (Late).** About 80 days. A great yielder of ordinary quality peas. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00.

★ **White Marrowfat.** In 72 days. Similar to Black Eye. Popular heavy yielder. Pkt., 10c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00.

EDIBLE POD PEAS

(Cooked like String Beans)

★ **Mammoth Podded Sugar.** In 70 days. A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 10c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

★ **Dwarf Gray Sugar.** About 62 days. Vines 16 inches. Pkt., 10c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.40.

★ **King of Carouby.** One of the largest of the edible podded varieties, pods being 8 to 10 inches long and 1 inch across. Very tender and sweet flavored. Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 2 lbs., 90c.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

★ **World's Record or Improved Gradus.** 58 days. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★ **Thomas Laxton.** About 62 days. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00.

★ **Alaska—Called Earliest of All.** In about 57 days. Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Pkt., 10c; lb., 30c; 2 lbs., 55c; 5 lbs., 90c; 10 lbs., \$1.70.

Pea Cultural Notes

Peas are a cool-weather crop. They should be sown when the ground is ready to work, without delay. The smooth seeded sorts will stand cold and freezing weather without rotting in the ground, but they are not so tender or sweet on the table as the wrinkled kinds, which are more risky in the wet soil, but still worth taking a chance to get early. Dwarf peas are best suited for the garden where space is scarce. They are early and bear well. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will pay to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between the seeds, or in double rows, the rows six inches apart, and seeds two inches apart. Closer sowing will produce no greater crop.

To Mail Order Buyers

Send your Order Blank on Page 3 for special Mail Order Offer on packets, ½ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.

Northern Potatoes

CERTIFIED STOCK

WE offer Michigan and Minnesota certified stock, inspected while growing by authorized state agents and found grown from vigorous fields and free from serious diseases and varietal mixture. Sorting and grading to No. 1 grade is also required. Stock that is not certified is grown from certified seed.

Certified Stock. Will be supplied at 50c advance per bushel over regular seed stock.

The prices in this catalogue represent values at the time this book went to press and are subject to market changes.

For the Home Garden—Early Ohio and Irish Cobbler are the best early varieties, the former in the east and the latter in the west. One of the rural type is recommended for the late crop.

Warba Resistant. Warba is a new potato bred by the Minnesota Experiment Station, which is early, highly productive, resistant to mosaic disease, with upright compact vines. Tubers of excellent cooking quality and uniform size are round and blocky, of white flesh and pale skin with pink eyes, ten days earlier than Early Ohio. 5 lbs., 35c; 10 lbs., 60c; 30 lbs., \$1.25; 60 lbs., \$2.25.

Extra Early Six Weeks. The standard early potato in the south. It is round, reddish skinned, with rather deep eyes; of medium size. As they appear early in the spring on the northern market they command a large premium. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., \$1.10; 60 lbs., \$1.80.

Irish Cobbler—Early Heavy Cropper. An early of medium size, and in light soil maturing almost as soon as the smaller cropping earlies. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., \$1.10; 60 lbs., \$1.80.

Rural New Yorker. No. 2. Very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size. Known everywhere as "Dusty" Rural. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., \$1.10; 60 lbs., \$1.80.

Carman. No. 3. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil, where other varieties fail. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., \$1.10; 60 lbs., \$1.80.



IRISH COBBLER.
5 lbs., 30c.

VAUGHAN'S IMPROVED EARLY OHIO.
5 lbs., 30c.

Vaughan's Improved Early Ohio (Red). A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., \$1.10; 60 lbs., \$1.80.

Katahdin. Originated in Maine by the U. S. Dept. of Agriculture, it takes its name from Mt. Katahdin. The government spent \$250,000 in producing this variety. It is a slightly oval white, very smooth, with shallow eyes. The vines are light green and vigorous. So far no trace of mosaic has been found on plants of Katahdin. It ripens about a week earlier than Rural New Yorker and has consistently out-yielded Rural New Yorker and Green Mountain, and grades out with a smaller percent of No. 2 grade and culls. The type is very uniform and in cooking and eating qualities it is unsurpassed. Katahdin does well on rich peat soils and on muck. 5 lbs., 35c; 10 lbs., 60c; 30 lbs., \$1.25; 60 lbs., \$2.25.

Field run pumpkins from our trials. Left to right: Top row: Mammoth French, Big Tom, Large Cheese, Mammoth Prize. Middle row: Japanese Pie, Golden Cushaw, Striped Cushaw, White Cushaw. Lower row: Bush or Everbearing, Sugar Pie, Winter Luxury, Kentucky Field.

Pumpkins Big—and Small

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and jack-o'-lanterns.

★Autumn, Bush, or Everbearing. 1 2 0 days.

For the first time we offer a genuine bush form pumpkin, a boon for the home garden where space is limited. On a bush similar to that of Italian marrow, requiring a space 4 ft. square, it bears small pumpkins, excellent for pies. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★Vaughan's Small Sugar Pie Pumpkin. 120 days.

Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

★Large Field or "Big Tom." 120 days.

The standard pumpkin grown in corn fields for a feeding crop. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Cushaw. 90 days. We offer three strains, White, Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Vaughan's Mammoth Prize. In about 120 days. Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Sweet Potato. In 120 days. Bell-shaped. White flesh. Used for pies. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

Winter Queen or Winter Luxury. In about 100 days. A quality pie pumpkin and the best winter keeper. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Japanese Pie. About 115 days. Fine quality, good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

Mammoth French. In about 120 days. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Large Cheese. About 120 days. Large, flat like a cheese box. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

Kentucky Field. In 120 days. Medium size, oval shaped, lemon-yellow color. Pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

Rhubarb

★Flare. A variety of erect, compact habit, medium leaves 23 inches long, with stalks of attractive red extending from base almost to tip. Flesh is of fine texture, tender, juicy and crisp. Pkt., 15c; ½ oz., 30c; oz., 50c.

Vaughan's Mammoth. Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Victoria. A popular red strain. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Rhubarb Roots. Set in spring they will furnish leaf stalks the following year. Add postage.

	Each	3	10
Strawberry, 2-year.....	\$0.35	\$0.75	\$2.00
Victoria, 1-year.....	.20	.40	1.00
" 2-year.....	.25	.50	1.25
" 3-year.....	.40	.90	2.00

McDonald Crimson, Divisions. Rich red, low acidity, thin skin, fine grain and fruity flavor. Each, 40c; 3 for \$1.00; 10 for \$3.00.

TREAT WITH QUICK, EASY SEMESAN BEL

DIP FOR LARGER POTATO CROPS

A one minute dip in Semesan Bel solution will reduce scab and rot, even when used on clean seed potatoes. Increases in yield usually result. Directions for treatment are supplied. One pound treats 60 to 80 bushels. Prices of Improved Semesan Bel: 2 oz., 25c; 4 oz., 50c; 1 lb., \$1.50; 5 lb., \$6.50; 25 lb., \$30.00; 100 lb., \$115.00; 300 lb., \$315.00.

SWEET POTATO PLANTS

100 plants, 60c; 200 plants, \$1.00; 500 plants, \$1.90; 1,000 plants, \$2.75, postpaid; 1,000 plants by express collect, \$2.25.

Varieties Nancy Hall, Porto Rico, and Yellow Jersey are offered, shipped direct from our growing station in Southern Illinois. They will be ready for shipment from April 15 to June 15. Our method of packing should insure safe arrival of plants in good condition. If larger quantities than quoted above are wanted, ask for special quotation.

WE offer Yellow Jersey (the most popular northern sort). Grown especially for seed. 10 lbs., 85c; bu., \$2.25; by express collect only.

Our Giant Butter Radish is the Favorite for Home Gardens

★ **Giant Butter.** 28 days. By far the largest of the early turnip radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is usable for a much longer season before it begins to turn pithy and by planting a succession of crops it can be enjoyed throughout the summer. It is seldom found in the market and will make your friends talk. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.



RADISH, GIANT BUTTER. PKT., 10c; OZ., 20c.



Scarlet Turnip White Tip Brightest Long Scarlet Vaughan's 20-Day French Breakfast
Saxa Scarlet Globe Icicle Earliest White Olive Sparkler

★ **Early Scarlet Globe Select.** (F.) 20 days. Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

Short Top—Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Medium Top—Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

★ **Scarlet Turnip White Tip.** 20 days. Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain for Open Ground. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

★ **Icicle.** 25 days. The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Earliest White Olive. (F.) 18 days. Earliest of all radishes—matures in 15 to 18 days after sowing. This sort is pure white, oblong shape with small top—can be planted close, a very tender radish. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Saxa. (F.) 20 days. This is a European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.25.

Early Long Scarlet Short Top. 28 days. A long, straight, smooth, red radish; it grows partly above ground, developing a long, tender, crisp and sweet root. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Crimson Giant. (F.) 28 days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Brightest Long Scarlet. 28 days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

Vaughan's 20-Day. (F.) 20 days. The quickest red olive-shaped radish, matures in 20 days; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permit close planting. Fine for outdoor planting or forcing. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Improved French Breakfast. (F.) 20 days. Early olive-shape 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Cincinnati Market. 30 days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Early Deep Scarlet Turnip. 22 days. An old standby. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Early Scarlet Globe White Tip. 22 days. Best and quickest of the white tips; fine quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.



Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather. Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.

SUMMER RADISHES

When hot weather comes and spring varieties would turn pithy or run to seed, the varieties listed below will keep in good condition for a long time and furnish a most welcome tang to the salad course. Note that they mature more slowly, so sow them early enough. All of the following:

Price, pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Long White Vienna. In 32 days. Snow white, very brittle and crisp.

White Stuttgart. About 35 days. A turnip-shaped large white radish.

White Strassburg. About 42 days. Larger size and thicker than Vienna. Very solid.

WINTER RADISHES

These should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

The Munich. In 65 days. The German knows this as the Beer Radish. Grows from 6 to 8 inches in length; broad at the shoulder, white thin skin; mild and delicious. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

Each of the following, pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

California Mammoth Winter. About 55 days. Long, very large size.

Rose or Scarlet China. In about 52 days. Rose, medium size, fine keeper.

Chinese Mammoth or Celestial. About 55 days. Immense size, flesh always crisp and mild.

Black Spanish, Long. Black skin and white flesh.

Black Spanish, Round. In 58 days. Like Long Black, only round.

(F.) Forcing Sorts.

Long Season Radish Mixture. $\frac{1}{2}$ oz. pkt., 15c.

This is a mixture composed of equal parts of the following early midseason and late varieties: Scarlet Globe, Giant Butter, Icicle, Brightest Long Scarlet, and White Stuttgart. Sow thinly in the row, and harvest as they mature. This mixture will provide an interesting assortment of radishes for the table, spread over two months of harvest.

Swiss Chard

★**"Cut and Come Again."** 45 days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Leaflet of recipes enclosed upon request. Pkt., 10c; oz., 15c; ¼ lb., 30c.



CUT & COME. LARGE WHITE RIB. SWISS CHARD. Pkt., 10c.

Lucullus Swiss Chard. About 55 days. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the Summer months. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Large White Rib (Dark Green). The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide, and makes an excellent substitute for asparagus when cooked with milk. The leaves are fine for greens. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Fordhook. This variety resembles Lucullus, but is a darker green. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

Mammoth Sandwich Island. This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Garden Sorrel

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but the roots should be divided every four years. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

Rutabagas

Mature in 100 days.

★**Vaughan's Improved American Purple Top** is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50.

Bangholm Danish. Yellow flesh, purple top. This variety has excellent table quality. Danish pedigree seed. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 70c; 5 lbs., \$3.00.

White Swede. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 70c; 5 lbs., \$3.00.

Canadian Gem. Round medium size, quick growing, purple top, yellow flesh. It resists mildew and is of excellent flavor. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 70c.



VIKING SPINACH, ALL-AMERICA WINNER. Pkt., 10c.

New Long Season Spinaches with Savoy Leaves

They Prolong
the Harvest

SPINACH delights in cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamin investigation.

★**Summer Savoy.** 45 days. A further advance, darker green, 3 to 4 days longer standing and extraordinarily uniform. It is a trifle more curled, but its greatest advantage is its better performance in summer. Our experience is that for early summer and fall cutting our regular Long Standing Bloomsdale is excellent, but for summer use the Special Mention All-America Trials 1937. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

★**Winter-Giant.** 50 days. A variety of recent introduction which has proved fine for winter. It is smooth, large leaved and does not bolt quickly. Special Mention All-America Selections 1937. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

★**Viking.** 45 days. This 1935 All-America winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

★**King of Denmark (Antvorskov).** 48 days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes), compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

★**Bloomsdale Long Standing.** 45 days. Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

★**Nobel Giant Thick Leaved.** 45 days. The seed of this thick-leaved variety produces the largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

★**Bloomsdale Dark Green.** 43 days. The leaf is savoyed, or crinkled, and of a darker green than Bloomsdale Long Standing. The dark color is preferred in some markets. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Princess Juliana. In 50 days. This is a new type of "Long Season" Spinach. The leaves are of good size, very dark green, well crumpled and thick. The first plants of Spinach to bolt to seed are the male plants. (Spinach is generally dioecious; i. e., there are male and female plants.) This first bolting seed has been eliminated in this new race by the production of hermaphrodite plants, these plants seeding much later than male plants. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Old Dominion. 40 days. The same as Virginia Blight-Resistant in type and quality. Will eventually take the place of Virginia because of its long standing qualities, which permit early fall planting. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 70c.

Vaughan's Special. In 50 days. An early, smooth leaved spinach, being more upright in growth than other spinaches and nearly a long standing variety. Easily cleaned and very tender. Pkt., 10c; oz., 20c; ¼ lb., 35c; lb., 85c.

Prickly Seeded Hollandia. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 70c.

Bloomsdale or Norfolk Savoy-Leaved. About 40 days. Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with southern truckers. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

★**New Zealand Spinach.** Tetragonia Expansa. 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Do not sow seed until May 1st or when the soil is fairly warm. Plant in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Tobacco Seeds

Big Havana. A hybrid Havana Pkt., 10c; ¼ oz., 30c; oz., 45c; ¼ lb., \$1.25; lb., \$3.75.

Connecticut Seed Leaf. Best adapted to climate of middle and northern states. Pkt., 10c; ¼ oz., 30c; oz., 45c; ¼ lb., \$1.25; lb., \$3.75.

Burley. The popular Kentucky sort. Pkt., 10c; ¼ oz., 30c; oz., 45c; ¼ lb., \$1.25; lb., \$3.75.

Modern Squashes are Table Treats

SQUASH are growing in popularity with home gardeners. They must be sown in warm, rich soil in hills 8 to 10 feet apart for the vine varieties and 3 to 5 feet for the bush sorts. The squash borer is the principal enemy, and the best protection against it is to cover the vine with soil at several joints. It will take root where covered and limit the damage done by the borer. Vegetable Marrows are considered by many to be superior in flavor to egg plant if sliced when half grown and fried. All squashes may be baked and eaten with butter, in which form they oftentimes are relished by persons who dislike them when mashed and boiled.

★Acorn, Table Queen, or "Des Moines."

58 days. In size equals a cocoanut, and a half, baked, serves one person amply. The shell is usually thin and it does not require over twenty minutes for baking or boiling. The color is dark green, keeping this color after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family. (Cucurbita Pepo.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Its quality has no equal. The seeds are centered in blossom end and the rest of the interior is heavy flesh. This is a winter squash and an excellent keeper. Pkt., 15c; oz., 30c; ¼ lb., 75c.

★New Squash "Kitchenette" (Hubbard).

110 days. Named "Kitchenette" because it is the smallest Hubbard, about 5 pounds. They are a glossy dark green, fully equal to any Hubbard for quality and keep as well in storage. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

★Vaughan's Chicago Warted Hubbard.

120 days. Vaughan's Chicago Warted Hubbard Squash has been bred to the highest quality; fruits are large, rough dark green skin, flesh is bright orange, fine grained, rich and dry. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

New Brighton. 120 days. Of the Chicago Warted Hubbard type but twice the size. A very fine squash and well selected. This should be grown where the demand is for a large type. Pkt., 20c; oz., 35c; ¼ lb., \$1.00.

★"Sweet Potato." 55 days. It is an improved Queen. The fruit averages 6 to 8 inches long and it is thick fleshed. When baked and served with melted butter it is a table delicacy of the first order. (Cucurbita Pepo.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

★Blue Hubbard. 125 days. A third larger than Chicago Warted and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-grey shell is more attractive and as soon as the market gets accustomed to it they will prefer it to any of the Hubbard group. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$1.75.

Golden Hubbard. About 110 days. Like original Hubbard, and warted, but average one-half to one-third smaller. The skin is deep orange-yellow, flesh golden yellow, fine grained and delicious. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Original Hubbard. In 120 days. Not as large as Chicago Warted, but in shape and quality it is similar. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Delicious. In 115 days. A fall and winter variety. The fruit varies in shape, weight ranging from 5 to 10 pounds each. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.



Top row, left to right: Green Delicious, Blue Hubbard, Kitchenette, Chicago Warted, New Brighton. Bottom row: Blue Banana, Des Moines Yellow, Des Moines Green, Sweet Potato, Golden Hubbard.

Prolific Straightneck. 55 days. Excels in tenderness, color, and productiveness. Served when about 6 in. long it is a delicious treat. Pkt., 15c; oz., 30c; ¼ lb., 90c.

Bennings' Bush. White bush type, small, light green markings. Use when young. If allowed to get mature they lose their best flavor. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Mammoth White Bush. About 60 days. An improved selection of "Early White Bush," much larger and deeper, has fewer scallops, and is a heavier producer. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Yellow Bush. About 60 days. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Mammoth Chili. In 120 days. A popular exhibition sort. Specimens grow as large as 100 pounds. Rich orange yellow color. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Early White Bush. About 55 days. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Yellow Summer Straightneck. In about 55 days. This is a desirable improvement over the crookneck type. It will pack easier and produce as heavily. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Giant Yellow Summer Crookneck. In about 55 days. Our strain produces fruit nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Banana Squash. In 120 days. Of sweet potato quality. 12 inches long, 6 inches in diameter, tapering at either end. Grey-green color. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

VEGETABLE MARROWS

★**New Italian Marrow or Zucchini.** 60 days. (Cucurbita Pepo.) When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small, and if kept picked, will continue to bear until frost. Delicious in the "baby" stage, 3 to 6 inches long. There are two strains, one light green with lighter markings, the other dark green or almost black. Both are the same shape and size but the dark is preferred by many.

Light Green Strain. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Dark Green Strain. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Cocozelle (Italian Vegetable Marrow). Ready in about 60 days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. (Cucurbita Pepo.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Zucca de Pergola. About 65 days. (Cucurbita Pepo.) Grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italians for slicing and frying like egg plant or baking, stuffed with meats. Pkt., 15c; oz., 35c; ¼ lb., \$1.00.

Vegetable Marrow. About 55 days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use seed should be sown as soon as the ground can be prepared and will give roots large enough for the table in six to ten weeks. For the Fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored. Rutabagas, after a touch of frost, are a delightful addition to the winter diet. To avoid maggots, it is best to sow turnips on different soil each year.

★**Purple Top White Globe.** 55 days. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good producer and fine keeper. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50 (by express).

Purple Top Strap-Leaved. About 45 days. A table variety, fine, tender and deliciously flavored. It is broad shaped; medium size, white flesh, fine grain, splendid quality. Top is dark red or purple, elsewhere white, fine keeper. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50 (by express).

Golden Ball or Orange Jelly. About 65 days. Medium size, globular table turnip. Flesh yellow, sweet. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Early Snowball. In 50 days. Small, white, grows quickly, splendid table quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

Early White Milan. In 40 days. This can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Shogoin. A Japanese turnip used principally for greens. The root is small but the top is like mustard tops. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

Seven Top. 45 days. A variety much grown in the south for the tops, which are used as greens. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

Large Yellow or Amber Globe. In 75 days. Fine quality and sweet. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Extra Early Purple Top Milan. About 40 days. An excellent medium size turnip; smooth white surface, purple top, flat shape, white flesh. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

TURNIPS FOR STOCK

Cow Horn or Long White. In 65 days. Grows nearly half way out of the ground, carrot-shape, pure white. Oz., 10c; ¼ lb., 25c; lb., 60c.



PURPLE TOP WHITE GLOBE TURNIP. Pkt., 10c.



At top: Zucca de Pergola. Below, left to right: Vegetable Marrow, Cocozelle, Italian Marrow, Prolific Straightneck, Giant Straightneck.

Ponderosa Wins Prize as Largest Tomato

HOME gardeners as well as market growers will find that our quality strains of tomatoes excel other seed of the same variety to so great an extent that the size and quality of their crop will be affected far in excess of any difference in the price of seed.

Tomatoes should be started indoors and those unable to do this should purchase plants. The plants may be set in the garden when danger of frost is over. It is important to give them a quick start after transplanting by frequent watering and fertilizing. They should be sprayed with bordeaux mixture to prevent disease, and with arsenate of lead to keep off the tomato worm. Hot sun is needed to ripen tomatoes and plenty of water to keep them growing. If trained to stakes or trellises they will ripen sooner.

Quantity needed for 150 plants, 1 pkt.; for 2,000 plants, 1 ounce.



VAUGHAN'S PONDEROSA. Pkt., 10c.

★Ponderosa—The Giant Tomato. Matures in about 118 days. Of the large fruited varieties, this one is most popular. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

★Firesteel. 90 days. A small vine, large fruited tomato that is early, smooth, red through, of semi-acid flavor. Earlier than Earliana, less subject to cracking, with bush about 18 inches in diameter but having sufficient foliage to prevent scalding of the fruit. For short, dry seasons and general adverse weather conditions, there is nothing that we have had that will equal it. It produces fruit when most others fail and can be relied on to set fruit when other types are dropping their blossoms. Pkt., 25c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.50.

★Oxheart. Matures in about 120 days. Popular because of its shape, large size, and excellent table qualities. Not a heavy yielder but large size, often weighing 3 lbs. or more. Skin pink, almost seedless, firm, sweet flesh frequently 2 inches thick without a seed cavity, slices well. Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., \$3.00.

Golden Oxheart. In 120 days. Similar in all respects to Oxheart except that the skin and flesh are of a beautiful golden yellow. Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., \$3.00.

Penn State. In 100 days. An early variety having a distinctive habit of growth. The branches end in fruit clusters after developing six to ten joints. This makes a compact bush, with fruits exposed to the sun without pruning. It bears heavily fruits of medium size, globular, dark red. Pkt., 15c; ½ oz., 45c; oz., 85c.

Bonny Best. 103 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.10.



OXHEART. Pkt., 10c.

★Vaughan's Select Earliana. 94 days. Earliest large, smooth bright red tomato. Our strain shows few, if any, of the rough fruits found among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. This has long been the favorite early with home gardeners. Pkt., 10c; ½ oz., 35c; oz., 45c; ¼ lb., \$1.35.

Beauty (Purple). 112 days. Is the most popular of the large purple sorts. Vines large, vigorous and heavy bearers, fruit large, uniform; very smooth purplish pink skin; flesh light pink. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.50.

Crimson Cushion or Beefsteak. In about 120 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

June Pink. In 98 days. In many markets, a pink early tomato is most desired. This is the earliest of the pink varieties and is similar in habit to the famous Earliana. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

Nystate. In 100 days. From N.Y. Experiment Station. A second early. Fruits large, smooth, oval; cavity shallow, blossom end well-rounded; color deep red outside and crimson inside. Pkt., 20c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.50.

★Mingold. 105 days. This yellow tomato developed by T. M. Currence of the Minnesota Experiment Station won an All-America silver medal. It matures in about 105 days, has smooth round fruits of medium size. Pkt., 25c; ½ oz., 80c; oz., \$1.50.

Chicago Champion Tomato. Production of W. E. Vails of Yorktown Heights, a cross between Marhio and Cooper's Special. This is blight-resistant, a very prolific bearer of pink fruit, oval to globe shape and midseason maturing. Pkt., 25c; ½ oz., 60c; oz., \$1.00.

Vaughan's New York. About 115 days. It is a second early red-skinned, firm fleshed tomato of high quality, good size and attractive appearance. Pkt., 15c; ½ oz., 30c; oz., 50c.

Avon Early Tomato. In 94 days. This is scarlet-fruited, round or slightly flattened, smooth and of fine quality. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Dwarf Champion. About 124 days. Owing to its dwarf habit and upright tree-like growth, it is a great favorite. It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.35.

New Globe. Matures in about 112 days. This ball-shaped variety is ideal for the home garden. It yields a heavy crop and continues to bear until frost. The skin is a smooth, purplish pink; the flesh is firm and it has few seeds. Uniform fruits of the ideal size for salads or canning. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Golden Ponderosa. About 118 days. A yellow gem. This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with Purple Ponderosa, it makes a highly decorative and appetizing salad. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Early Detroit (Purple). In 112 days. The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty, which variety it most closely resembles. The fruit is firm and almost globe-shaped. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.60.

Greater Baltimore (Indiana Strain). In about 83 days. Similar to Stone and very productive, fruits deep scarlet red often weighing 6 ounces; fruit deep through but not globe; smooth and very firm and solid. Pkt., 10c; oz., 35c; ¼ lb., 80c.

Greater Baltimore (Indiana Strain) certified. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

John Baer. About 108 days. Extra early red. Not quite so early as Earliana, though there is only a few days' difference. John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra-early sort. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.10.

Improved New Stone. About 116 days. "King of the Reds." One of the best main crop varieties. The smooth skin, small core, fine-grained flesh with little acidity delight the eater and give satisfaction to the grower. Pkt., 10c; ½ oz., 25c; oz., 35c; ¼ lb., \$1.00.

Chalk's Early Jewel. In 104 days. The original large smooth extra early red. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.10.

(Continued on Next Page.)

New Disease-Resistant Strains

Early Baltimore. 108 days. Illinois University selection, thriving on all soils, smaller fruit, solid bright color, heavier yielder than Marglobe. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50. **Early Baltimore certified.** Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

★Break O'Day. Pritchard, of Washington, D.C. A new wilt-resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Illinois Baltimore. A selection made by Huelsen of Urbana, Ill. Maturing same season as Indiana Baltimore. Deeper through and having additional feature of being resistant. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

★Pritchard (Scarlet Topper). 120 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.75.

Pritchard certified. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

Marhio. 100 days. This new resistant variety developed by the Ohio State Experiment Station is similar to Marglobe in shape, but of a good pink color. It is a heavier yielder than Marglobe. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.75.

★Marglobe. 114 days. A second-early, red-fruited variety equally suitable for trucking or canning. As early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Marglobe certified. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

Illinois Pride. About 114 days. Illinois University selection, larger, more solid, better shipper and producer on clay soil than Marglobe. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Prairiana. In 100 days. Resistant to fusarium wilt, and productive in prairie soils and hot summers of Illinois. Selected by University of Illinois. Fruit smaller than Marglobe, but smoother, brighter color, heavier yielder in clay soil. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Scarlet Dawn. In 94 days. Wilt and rust resistant, of deep red color, globe shape, heavy yielder. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$3.00.

Rutgers. In 114 days. New Jersey Experiment Station cross on Marglobe. Deeper than its horizontal diameter, small seed cavity, heavy cross walls, ripens from the inside out. One of heaviest croppers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Rutgers certified. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

Tomato worms are quickly routed by lightly dusting the vines with a mixture of one pound calcium arsenate (35c) to ten pounds of lime or gypsum.

TOMATOES—Continued.

Golden Queen. 112 days. Golden yellow. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Gulf State Market. About 112 days. This globe-shaped purplish pink tomato was developed from Early Detroit and is as early as that variety. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

Dwarf Stone—The Largest Dwarf Tomato. Ready in about 132 days. This is the largest Dwarf tomato; it resembles "Dwarf Champion," but is of stronger growth and more erect. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Dwarf Pear. Developed by Dr. A. F. Yeager, recently of N. Dakota, now of M. S. C., East Lansing, Mich. This is a greatly improved type of the vine pear, producing as many or more pears on a dwarfed bush that does not require to exceed a space 18 inches in diameter, whereas the old vine type spread over 7 or 8 feet. The type of fruit and quality appear to be the same. We recommend this for the home garden to use for preserves. Pkt., 15c; ¼ oz., 30c; ½ oz., 50c.



ITALIAN CANNER.

SMALL FRUITED TOMATOES

Very Desirable for Pickles and Preserves. Mature in about 120 days.

Any of the following, pkt., 10c; ½ oz., 40c; oz., 75c.

Red Currant. Very small.

Red Cherry. Small fruit, bright scarlet.

Two Peach Tomatoes. Peach shape and color.

Red or yellow.

Yellow Plum and Red Plum. Fruit about 2 inches long, 1 inch through; the one is lemon-yellow, the other plum-red.

Yellow and Red Pear. Distinct shape.

Ground Cherry, Husk or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

Italian Canner. 120 days. A very productive, long plum-shaped tomato. This is the one most used by the canners of hot tomatoes as they combine the Hot Hungarian Pepper, the pickling onion and the Italian tomato. The cut illustrates its productive size. It is firm, not having any hollow parts, and the walls are exceptionally thick. Pkt., 15c; ½ oz., 60c; oz., \$1.00.

FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work.

Bonny Best. Red. The most popular American variety, for forcing. Forcing strain.

Grand Rapids. Red. **Lloyd.** Red.

New Globe. Pink. **Blair.** Pink.

Michigan State **Long Calyx.** Red.

Forcing. Red. **Sureset.** Pink.

Any of above, pkt., 25c.

Globele. Pink. Pkt., 50c; ¼ oz., \$1.25; ½ oz., \$2.00; oz., \$3.50.



GARDEN HUCKLEBERRY

This is a novelty, well described by the above name, which bears racemes or bunches of black berries, tomato-shaped, ½ to ¾ inch in diameter, which make excellent pies and preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; ½ oz., 30c; oz., 50c.



HERBS IN VAUGHAN'S TEST GARDEN.

10 Best Garden Herbs 50c.

One special packet each of the following: Balm, Sweet Basil, Chives, Dill, Lavender, Sweet Marjoram, Rosemary, Saffron, Sage and Summer Savory. Packets are smaller than standard, but sufficient for average garden. Cultural directions and data on use of herbs included.

INTEREST in herb gardening is reviving for two excellent reasons: the ornamental quality of herbs, and their value for contributing flavor to the menu and fragrance to the home.

To enlarge our herb list it was only necessary for Vaughan's Seed Store, which was established in 1876, to go back to old catalogues when woodcuts were used as illustrations. A few of the woodcuts are reprinted, as they show in excellent detail the habit of growth and leaves of the plants.

To keep herbs over winter, stalks should be cut on a dry day, when not quite in full bloom. They should be dried in the shade and when dry packed tightly in boxes with air excluded. Varieties marked (*) are perennials.

MIXTURE OF ANNUAL HERBS. This is intended to meet the needs of those who want a row or bed of herbs without buying a full packet of each variety. It contains seeds of these ten annual herbs described below: Anise, Basil, Borage, Caraway, Coriander, Dill, Marjoram, Mountain Fennel, Summer Savory and Tarragon-Russian. Sow in a row, thinning out and transplanting to proper distance. Pkt., 15c.

MIXTURE OF PERENNIAL HERBS. For small gardens—this will give enough plants of each variety to supply the family needs. It contains seeds of these ten perennial herbs described below: Balm, Mint, Pennyroyal, Chamomile, Fennel, Lavender, Rosemary, Rue, Sage, Thyme. Sow in a nursery row and transplant in the fall to the permanent location. Pkt., 15c.

One packet of each of above herb mixtures (2 packets) for 25c.

Anise. Used for garnishing, seasoning and for cordials. Pkt., 10c; oz., 25c.

Balm. Used for making Balm wine and tea. Pkt., 10c; oz., 50c.

Basil, Sweet. The leaves are used for flavoring soups and stews. Pkt., 10c; oz., 35c.

Borage. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; oz., 25c.

Caraway. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 10c; oz., 25c.

Catnip or Catmint. Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; oz., 75c.

Chamomile (Anthemis Nobilis). The dried flowers possess medicinal value. Pkt., 15c; oz., 50c.

Chives. Member of the onion family used for flavoring. Plants, 3 for 65c; 12 for \$2.00.

Coriander. The seeds are used for flavoring. Pkt., 10c; oz., 20c.

Dill. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Fennel. The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 10c; oz., 20c.

Fennel, Wild or Mountain. Used for gums and medicinal purposes. Pkt., 10c; oz., 25c.

Horehound. The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; oz., 50c.

Lavender. The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are fragrant. Two kinds,

Lavender True (Lavendula Vera). The best. Pkt., 10c; oz., 65c.

Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

Lavendula Spica. Not quite so strong. Pkt., 10c; oz., 30c; ¼ lb., 85c.

Marjoram (Sweet). The leaves and ends of shoots are used for flavoring in summer and dried for winter use. Pkt., 10c; oz., 35c.

Mint, Old Fashioned. For mint sauce and juleps. Pkt., 10c; oz., \$2.50. Plants, 3 for 65c; doz., \$2.00.

By mail, add 5c each; doz., 20c.

Pennyroyal. Leaves are used for seasoning puddings. Pkt., 10c; oz., 75c.

Peppermint. The leaves and stems are used for flavoring and for oils. Pkt., 25c.

Rosemary. The leaves are used for seasoning. Pkt., 10c; 1 oz., 75c.

Rue. For medicinal purposes; good for fowls, for the roup. Pkt., 10c; oz., 45c.

Saffron. Used for coloring certain dishes, also flavoring. Pkt., 10c; oz., 45c.

Sage, Holt's Mammoth. The plants attain a height of 1 ft. the first season. They are perfectly hardy and make a still larger growth the second season. Plants, 3 for 65c; 12 for \$2.50; 100, \$15.00. By mail, add 5c each; doz., 20c.

Sage. Leaves and tops are used for seasoning and stuffing. Pkt., 10c; ½ oz., 30c; oz., 50c.

Summer Savory. The leaves and young shoots are used for flavoring. Pkt., 10c; oz., 25c.

Russian Tarragon (Artemisia Sacrorum).

An annual form of tarragon, popular in Russia, easily grown from seed and giving the same flavor as the perennial plant. To make tarragon vinegar, steep the leaves, green or dried, in ordinary vinegar. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

Tarragon True (Artemisia Dracunculus). The well known Tarragon herb, will not grow from seed. Plants, 3 for 85c; 12 for \$2.50.

Thyme. Used for seasoning; a tea is also made for nervous headache. Pkt., 10c; ½ oz., 40c; oz., 75c.

Waldmeister (Asperula Odorata). Used in May Wine and for scenting clothes. Pkt., 10c.

Wormwood. Beneficial for poultry. Pkt., 10c; oz., 45c.



SWEET MARJORAM—MAJORAN—MARJOLAINE.

House Plants from Seed

ANTIRRHINUM Snapdragon

Culture: D or E (March-April)

See Also Novelties.

- 362 **Afterglow.** A beautiful bronze. Pkt., 50c.
 375 **Cheviot Maid Supreme.** Early rose pink. Pkt., 50c.
 376 **Cheviot Supreme Appleblossom.** Salmon rose. Pkt., \$2.00.
 387 **Glorious.** Reddish copper with yellow lip. Pkt., \$2.00.
 386C **Gorgeous.** Outstanding new yellow. Pkt., \$2.00.
 387A **Hodaly's Ideal.** Carmine rose shading into rich orange. Pkt., \$2.00.
 389 **LaFrance.** Soft rose pink. Pkt., \$2.00.
 395 **Lucky Strike.** Pure white. Pkt., 50c.
 395C **Marie Louise.** Sea shell pink. Pkt., \$2.00.
 396B **Naomi.** Giant rose pink. Pkt., \$2.00.
 377A **New Cincinnati.** Light rose pink. Pkt., \$1.00.
 408A **Rose Queen.** Dark pink. Pkt., 50c.
 405A **Schumann's Lavender.** True lavender. Pkt., \$2.00.
 405B **Sunlight.** Early golden bronze. Pkt., 50c.
 407C **Velvet Beauty.** Rich American Beauty rose color. Pkt., 50c.
 408 **White Wonder.** Fine pure white. Pkt., 50c.
 407B **Winter Helen.** Salmon pink. Pkt., \$1.00.
 409A **Yellow Cheviot Maid.** Outstanding yellow. Pkt., 50c.
 426 **VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES.** A mixture of the forcing varieties we list. Pkt., 50c.

ASPARAGUS

Culture: C (June-Aug.) Pot up in fall, force in greenhouse.

- 480 **Plumosus Nanus.** + 3 ft. Pkt. (25 seeds), 15c; 100 seeds, 50c.
 485 **Sprengeri.** + Finest material for hanging baskets. Pkt. (25 seeds), 15c; 100 seeds, 50c.

CALCEOLARIA +

Culture: C (June-Aug.) Pot up in fall, force in greenhouse.

- 1180 **Hybrida Grandiflora.** 1½ ft. A colorful greenhouse plant bearing a profusion of small, pocket-shaped orange or yellow flowers, many of which are beautifully tigered or spotted. Pkt. (300 seeds), 50c.
 1179 **Multiflora Nana.** The average size of the blooms is only 1½ inch, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., \$1.00.
 1183 **Flower Cloud.** A cross between Rugosa and Grandiflora. Free flowering in all colors, very vigorous in growth. Pkt., \$1.00.
 1185 **Rugosa, Mixed.** Includes nearly all the beautiful colors found in Calceolarias. Pkt., 25c.

CHRYSANTHEMUM Cascade, see Page 82.

CYCLAMEN Persicum Giganteum +

Culture: C (June-Aug.)

Pot up in fall, force in greenhouse.

- 8010 **Binniewis Strain Mixed.** We have carried this well-known strain for many years. Colors are vivid and varied, 10 seeds, 25c; 25 seeds, 60c; 100 seeds, \$2.00.

CINERARIA Hybrida +

Culture: C (July-Aug.) Pot up in fall, force in cool greenhouse.

- 1715 **Vaughan's Columbian Mixture.** A mixture of the finest strains, the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. (75 seeds), 25c.
 1716 **Cremer's Prize Mixture.** The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.
 1718 **Potsdam Strain, Mixed** (Berlin Market or Weissensee). Taller and larger flowered than Cremer's Prize mixture. Pkt., 50c.
 1726 **Hybrida Multiflora Nana. Gold Center.** 10 in. A new race producing dwarf plants with masses of small self-colored flowers with gold center. ¾-inch diameter, compact head over small and dainty foliage. Pkt., 35c.



CINERARIA—Continued.

- 1723 **Polyantha Feltham Beauty.** Dwarf, with large flowers and broad petals, but retaining the true star shape. Fine for cutting. Pkt., 35c.
 2360 **ERYTHRINA Crista Galli (Coral Tree).** Pkt., 15c.
 2445 **EXACUM Affine.** Pkt., 50c.

FREESIA

Culture: D, E or C (Jan.-July)

- 2451 **Dalrymple Special Strain.** Large sweet scented flowers borne on long stems, in blue, lavender and many shades of yellow. Pkt. (50 seeds), 50c.
 2456 **Tubergenii.** Yields a profusion of bloom and can be successfully flowered within six months from date of sowing. Yellow to bronze, bronzy-pink, deep rose, and mauve. Pkt., 35c.

GERANIUM +

Culture: D or E (Feb.-April)

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

- 2495 **Apple-scented.** Leaves fragrant. Pkt. (35 seeds), 15c.
 2500 **Lady Washington (Odier).** Large flowers, beautifully blotched. Pkt. (25 seeds), 50c.
 2490 **Large Flowering. Newest Varieties Mixed.** Pkt. (50 seeds), 15c.

GLOXINIA

Culture: D, E (Jan.-March)

- 2560 **Vaughan's International Mixture.** + 12 in. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. Pkt., 25c.

MARIGOLD

- 3122 **Lieb's Winter Flowering.** Mahogany brown with golden yellow crested center. Pkt., 25c.
 3125 **Lieb's Winter Flowering Sunshine.** New. Golden orange, yellow center. Pkt., 25c.

MIGNONETTE

- 3224 **The Ball.** The flower spikes are especially heavy and lighter in color than other varieties. Pkt., 50c.

PANSY

- 3841 **Vaughan's Long Stemmed Winter Flowering Re-selected Mixed.** It has a much wider color range than the original Don's Winter Flowering and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming. Pkt., 50c.

PRIMULA (Chinese Primrose) ÷

Culture: D or E (March-April); C (May-July)

- 4465 **Vaughan's International Mixture.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. Pkt. (100 seeds), 35c.
 4466 **Dazzler.** A brilliant and unique shade of orange-red, exceptionally floriferous and long lasting, robust constitution. Pkt. (100 seeds), 75c.
- Primula—Various Sorts**
 Culture: C (May-July). Pot up July-Sept., winter in cold frame.
- 4475 **Malacoides.** 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.
 4476 **—Dawkins Carmine Pink.** A vivid and distinct color. Pkt., 50c.
 4472 **—Melody.** A pure soft rose tinged salmon. Pkt., 35c.
 4478 **—Rosea.** Pkt., 25c.
 4479 **—Salmon Red.** A desirable new shade. 50c.
 4473 **—Snow Queen.** Large pure white. Pkt., 25c.
 4474 **—Mixed.** All colors. Pkt., 25c.
 4477 **—Double White.** Pkt., 50c.

Primula Obconica Grandiflora

Culture: D or E (Jan.-April); C (May-July). Winter in cold frame or greenhouse. Germination 3-4 weeks.

- 4484 **Alba.** Glistening pure white.
 4485 **Appleblossom.** Pink.
 4486 **Coerulea.** Heavenly blue.
 4483 **Dondo.** The finest dark red.
 4490 **Rose Queen.** Pink.
 Each of the above, pkt. (200 seeds), 25c.
 4495 **Obconica Grandiflora Mixed.** Good mixture. Pkt. (200 seeds), 15c.
 4493 **Double Portland Beauty.** Ranging in color from light pink to rose-pink. Pkt. (250 seeds), \$1.00.

SAINTPAULIA ÷ 4 in.

Culture: D, E (Jan.-March)

- 4589 **Ionantha. African Violet.** A free and long-flowering pot plant. Plants are dwarf, leaves like a Gloxinia, flowers beautiful blue with golden anthers, resembling large single sweet-scented violet. Pkt., 50c.
 4588 **Kewensis.** The numerous shining blue flowers, reminding one of violets, contrast well with the dense light green rosette of leaves. Pkt., 65c.

STREPTOCARPUS

Culture: D, E (Jan.-March)

- 4826 **Largest Hybrids.** + 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers ranging from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer. Pkt., 35c.



FIRMING THE SOIL

MARKING THE ROWS
SOWING SEEDS IN THE INDOOR BOX

SOWING THE SEED



COVERING THE SEED

How to Sow Flower Seeds

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject, together with the most

A Sow in the bed, border or row where the plants are to grow. The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B Sow in outdoor seed bed, to be transplanted. The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in mid-summer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C Sow in flat, pot or pan outdoors or in a cold frame. This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D," firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out.

favorable time for propagating. While our cultural instructions are thorough, they should be supplemented by reading in good gardening books and by obtaining at first hand advice from successful gardeners in your neighborhood. Success in gardening requires study, and the opportunity for enlarging one's information and trying out new things is one of the most fascinating features of gardening.

A mulch of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D Sow indoors in a box, pot or pan. This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat", which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

E Sow in a hot bed or cold frame. A cold frame or a hot bed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating, which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hot-bed, or to an outdoor location, if late enough.

CHEMICAL GARDENING FOR THE AMATEUR. By Connors and Tiedjens. Full directions for making your own equipment from common household articles and mixing solutions from simple ingredients. No knowledge of chemistry required. Forty-two photographs, 19 line drawings, eight color photos. 255 pages. \$1.98.

GARDEN GUIDE. Amateur Gardeners' Handbook. Deals thoroughly with most effective handling of every growing thing in the garden and home grounds. 300 photographic illustrations. 576 pages. \$2.00.

SUCCESS WITH HOUSE PLANTS. By Jane Leslie Kift and Karin B. Hedenberg. This book suggests desirable plants for any window exposure; it lists many plants and flowering bulbs which will cheerfully decorate a home, and for the housewife who is especially busy it tells which plants are willing to grow with very little care. Illustrated. 69 pages. 75c.

1,001 GARDEN QUESTIONS ANSWERED. By Prof. Alfred C. Hottes. A unique guide book of garden operations for each day, answering thoroughly and in an easily understood manner over 1,000 questions on the growing and care of flowers, fruit, vegetables, trees, shrubs, etc. Illustrated. 320 pages with 34 halftones, 47 sketches. Cloth. \$2.00.

Gardening Books

Book prices are not prepaid; add 10c per copy if your order is to go by parcel post.

We find it impossible to catalogue our complete line of books, but should you be interested in any horticultural subject not covered by the above, write for our book list.

GARDEN ENCYCLOPEDIA, AN ENCYCLOPEDIA OF GARDENING. Written by a group of American horticultural experts and edited by E. L. D. Seymour, B. S. A. A single big volume that gives you the scope and contents of a whole shelf full of garden books. More complete than any other garden book ever prepared. 1,300 pages, 750 illustrations, including 250 photographs. \$4.00.

GARDEN FLOWERS IN COLOR. By G. A. Stevens. The 400 brilliant and lifelike color plates of flowers contained in this book make it the greatest value that has ever appeared in picture books. And in the IMPERIAL EDITION of this popular book, the 400 color plates average less than 1/4c apiece. 320 pages. \$1.98.

GARDENING IN THE GREENHOUSE. By Anne Dorrance. This is the first book at a popular price which tells the gardener how to plan a small greenhouse. 122 pages. \$1.50.

THE LAWN: How To Make It And How To Maintain It. By Charles W. Parker. All you need to know to make a beautiful lawn from the ground up. Completely illustrated with line cuts and 8 pages of plates. 118 pages. \$1.00.

GARDEN IN COLOR. By Louise Beebe Wilder. Mrs. Wilder has written a text to go with the pictures, so that when you see pictured a flower or arrangement which you like, you can find out also just how and when to go about transferring it from paper into your own flower beds. With 320 natural color photographs and 318 pages of text. Size, 8x11 inches. Formerly \$7.50. Now \$2.95.

HOW TO GROW ROSES. By Robert Pyle and others. Gives practical advice on how to use roses in the garden and around the home, locate the beds, prepare the ground, plant, label, care for in summer, fight pests, protect in winter, prune, and select types and varieties. 133 illustrations (45 in color). 192 pages. \$1.00.

ROCK GARDENS: And What To Grow In Them. By George H. Bissland. Standard practice for lovelier rock gardens, explaining layout, construction, landscaping, cultivation, etc. 128 pages. \$1.00.

THE VEGETABLE GARDEN. By Edward I. Farrington. Formerly published at \$2.00 as "The Back Yard Garden." Completely revised, set from new type, with new charts, new illustrations. 139 pages. \$1.00.

• VAUGHAN'S •
Surprise!
 GARDEN MIXTURE



If You Want the Thrill of Real Adventure
 This Year Be Sure to Sow This Mixture.

Oz., 25c; ¼ lb., 80c; 1 lb., \$3.00

5848 **Vaughan's Surprise Garden of Annuals** is a "garden lover's dream come true." From early spring until killing frost there is a procession of color. It has been the brightest spot in our trial grounds all summer. It is not a collection of leftovers; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and enjoy the thrill of discovering new flowers. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. Use these packets (1 oz., each 25c) for friends on their birthdays; they will be long remembered.

"We are delighted with the surprise garden mixture, and I hope you won't forget to send me a couple more pounds for next Spring planting. We have passed the word on to many of our friends who also intend to order due to the magnificent collection of various flowers that resulted from your package. As you know, we are very fond of Zinnias and Vaughan's Surprise Garden Mixture produced the finest collection of Zinnias we have ever grown. Zinnia mixtures from other seedsmen could not compete with those in the Vaughan Surprise Mixture, grown in the same bed." W. C. Y., N. Y.

5848 SURPRISE GARDEN Mixture. Oz., 25c.

Abronia (Sand Verbena) □

Culture: A or B (May 15th), D or E (Feb.-May)

100 X 6 in. A trailing, succulent plant, with Verbena-like flowers of bright rose with white center in late summer and fall. Pkt., 10c.

Anchusa

Culture: A or B (Mar.-June), D or E (Mar.-April)

311 **Blue Bird.** Growing about 18 inches high, of compact habit and bearing its flowers in a luxuriant bouquet at the top of the plant. Flowers are of a vivid indigo blue and of brilliant effect in any scheme for the decoration of beds and borders, blooms all summer. ¼ oz., 25c; pkt., 15c.

310 **Capensis (Summer Forget-me-not).** □ 2 ft. Gentian-blue flowers, borne in drooping clusters from July to October. Similar to the Forget-me-not, blossoms larger and of finer color. ½ oz., 15c; pkt., 10c.

Abutilon

Culture: D or E (Feb.-March)

122 **Giant Flowered Mixed (Flowering Maple).** + 3 to 4 ft. Its ornamental leaves are often variegated and it bears bell-shaped flowers of salmon, buff and pink in late summer. Pkt., 25c.

Acroclinium (Everlasting) □

Culture: A or B (May 15th-July 1st), D or E (March-May)
 Its graceful, daisy-like flowers, when cut in the bud state, can be dried for winter bouquets. It blooms in 6 weeks from time of sowing. Probably the daintiest, both in form and coloring, of all the everlasting flowers. Height, 20 inches.

- 150 **Double Pink.**
- 155 **Double White.** Each of the above, pkt., 10c.
- 165 **Double Mixed.** ¼ oz., 20c; ½ oz., 35c.
- 166 **Double Giant Mixture.** This large-flowering type is twice the size of the preceding one, with long, stiff stems; flowers are double and semi-double; white, chamois, flesh color and bright rose. Pkt., 15c; ¼ oz., 40c.



171 **ADONIS Autumnalis.** Pkt., 10c.

Adonis □

Culture: A or B (March-June)

171 **Autumnalis (Red Chamomile).** 2 ft. Of somewhat straggly growth with finely divided foliage, its flowers are rich scarlet freely produced in summer and autumn. Pkt., 10c.

170 **Aestivalis (Pheasant Eye).** 1 ft. Early blooming annual with deep crimson flowers and feathery foliage. Sow where plants remain. Pkt., 10c.

Ageratum - All Summer Blues

Culture: A or B (May 15th-July 1st), D or E (February-April)

Most popular summer blooming annuals supplying, during the season, dense heads of fluffy flowers in tones of blue and lavender, which are so necessary to balance the color effect in a garden. The dwarf varieties are useful for bedding and the taller ones for cutting.

- 180 **Tall Blue.** 18 in. Soft lavender-blue. ¼ oz., 25c; pkt., 10c.
- 185 **Tall White.** 18 in. ¼ oz., 25c; pkt., 10c.
- 190 **Tall Sorts Mixed.** ¼ oz., 25c; pkt., 10c.
- 220 **Lasseauxi.** 3 ft. Clusters of rose-colored flowers. Pkt., 10c; ½ oz., 25c.
- 196 **Blue Ball.** 8 in. Deep, dark blue. The plant is dwarf and symmetrical. In full bloom it is covered with small flowers, giving the appearance of a blue ball. ¼ oz., 35c; pkt., 15c.
- 200 **Blue Cap Improved.** 6 in. Definitely more dwarf than Blue Ball, more compact in habit, with smaller leaves, it is superb for edgings and ribbon planting. Bright, deep, rich lavender blue. ¼ oz., 50c; pkt., 15c.
- 201 **King of the Blues.** See Novelties.
- 214 **Fairy Pink.** See Novelties.
- 195 **Midget Blue.** See Novelties.
- 217 **Little Blue Star.** 4 in. Flower opens light blue with purple center and develops to a bright blue self. ½ oz., 40c; pkt., 15c.
- 199 **Little Silver Star.** 4 in. When flowering they are so thickly covered with silver grey star-like flowers that the small light green leaves are hidden. Pkt., 25c.
- 187 **Purple Perfection.** 8 in. (Improved Blue Perfection.) Vivid dark purple. Compact plant bearing large flowers, freely produced. Fine for ribbons, and edging. ¼ oz., 25c; pkt., 15c.



200 **AGERATUM Blue Cap Improved.** Pkt., 15c.

KEY TO SYMBOLS: □ Annuals. # Biennials. ① Perennials. + Greenhouse Plants. + House Plants. = Climbing Plants. X Rock Garden Plants.



903 ASTER
Giant Branching

Deep Rose.
Pkt., 15c.



569 ASTER
Giant Crego

White. Pkt., 15c.



541 ASTER Early Giant, Light Blue. Pkt., 25c.

Wilt Resistant Asters

If YOU should have any trouble raising Asters—TRY OUR WILT RESISTANT STRAINS. Perhaps your soil is infested with aster wilt. This disease is widespread, but even if not in your neighborhood, you will find the Resistant Asters so much more vigorous and productive, it will pay to use them. While these asters are not immune from the Yellows disease, which is insect-borne, and distinct from the Wilt, they are far less susceptible to infection and injury from it. Where we offer the Wilt Resistant Strain of a variety, we have omitted the ordinary strain from our list.

As the roots of Asters are produced near the surface, a mulch of some kind spread over them in hot weather is very beneficial and will be repaid by finer plants larger blooms, stronger stems, and more profuse blooming.

Culture: A or B (May 1st-June 15th), D or E (Feb.-May)

Giant Branching

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid. 2 to 3 ft.

- | | | |
|--------------------------------|-----------------|------------|
| 905 Azure Blue, dark lavender. | 906 Purple. | 901 White. |
| 904 Crimson. | 902 Shell Pink. | 898 Mixed. |
| 903 Deep Rose. | | |

Each of above, $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 60c; pkt., 15c.

Giant Crego — Ostrich Feather

The flowers are immense on long stems. The petals are curled and twisted, resembling Chrysanthemums. The plants are branching. Flowers in abundance from late August until frost. 24 inches.

- | | | |
|-------------------------------|----------------------------------|------------------|
| 559 Azure Blue. | 562 Enchantress,
salmon rose. | 567 Salmon Pink. |
| 560 Blue Flame,
navy blue. | 564 Lavender. | 568 Violet. |
| 561 Crimson. | 565 Pink. | 569 White. |
| 563 Deep Rose. | 566 Purple. | 575 Mixed. |

Each of above, $\frac{1}{8}$ oz., 35c; pkt., 15c.

Early Giant

An exceptional new class. The flowers are full petaled with broad, graceful petals, daintily plumed and intertwined, very large, 4 to 5 inches across. Plants 1 $\frac{1}{2}$ to 2 ft tall with branches coming low on the central spike. There are practically no laterals or side branches. Early blooming, coming into flower four to six weeks earlier than the Giants of California, that is during early to mid August.

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|---|
| 541 Light Blue. A beautiful big lacy flower. |
| 542 Peachblossom. Opens white flushes lavender pink. |
| 543 Rose Marie. Is a fascinating, rich, lively shade of rose. |

Each of above, pkt., 25c; any 3 pkts. for 65c.

Early Beauty

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

- | | | |
|-------------------|--------------------------------------|------------|
| 527 Azure Blue. | 531 Purple. | 533 White. |
| 528 Black Prince. | 532 September Beauty,
flesh pink. | 534 Mixed. |
| 536 Carmine Rose. | | |
| 529 Crimson. | | |

Each of above, $\frac{1}{8}$ oz., 50c; 3 pkts. for 40c; pkt., 15c.

Queen of the Market (Early Flowering)

The favorite early aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit. 16 inches.

- | | | |
|-----------------|------------------------|------------|
| 921 Crimson. | 923 Purple, dark blue. | 924 White. |
| 925 Light Blue. | 926 Scarlet. | 928 Mixed. |

Each of above, $\frac{1}{8}$ oz., 50c; 3 pkts. for 40c; pkt., 15c.

Heart of France

929 Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. 18 to 24 inches. $\frac{1}{8}$ oz., 45c; pkt., 15c.

993 Giant Comet Illusion. 2 ft. A soft pastel apricot pink, especially fine for cutting. Plants are upright, stems short. It is customary to cut the whole plant for cut flowers. Pkt., 25c.

Golden Sheaf

556 The deepest yellow Aster yet offered and the only one that is Wilt Resistant. The flowers are fully double with an attractive crest-like center of good substance and fine depth of petal. $\frac{1}{8}$ oz., 50c; pkt., 20c.

937A Giant Mammoth Peony-Flowered Silvery Rose. Immense, fully double flowers resembling the Beauty type, borne on long, stout non-lateral stems. Grows 2 $\frac{1}{2}$ to 3 feet tall. An attractive variety with its rich rose silver tipped flowers. Pkt., 25c.

- | |
|--|
| 946 Wilt Resistant. Pink Shades Mixed. |
| 947 Wilt Resistant. Light Blue Shades Mixed. |
| 948 Wilt Resistant. Dark Blue Shades Mixed. |

Each of above, $\frac{1}{8}$ oz., 50c; 3 pkts., for 40c; pkt., 15c.

See also Novelties.

SPECIAL OFFER 42

One Packet Each, 3 Varieties Illustrated for 45c.

- | | |
|--------------------------------------|-----------------------------|
| 541 Aster Early Giant Light Blue. | 569 Aster Giant Crego White |
| 903 Aster Giant Branching Deep Rose. | |

VAUGHAN'S SPECIAL WILT RESISTANT MIXED

915 A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer, including all types and colors. An outstanding value for the cutting garden, or mixed bed or border.
 $\frac{1}{8}$ oz., 40c; pkt., 15c.

Giant Asters (NON-RESISTANT)

Culture: A or B (May 1st-June 15th), D or E (Feb.-May)

Giant California Sunshine. 3 ft.

The flowers are large, with loosely placed outer petals contrasting with the creamy yellow or blue centers, giving a lacy effect which is quite delightful. Enchantress Pink, a delicate shade of salmon, is especially charming. Comes about 75 to 80 percent true.

- | | |
|------------------------------------|-----------------------------------|
| 882 Apple Blossom, shell pink. | 886 Purple, dark blue. |
| 884 Enchantress Pink, salmon pink. | 885 Rose, light rose or deep pink |
| 885B Lavender, azure blue. | 883 White. |
| | 887 Finest Mixed. |

Each of the above, $\frac{1}{8}$ oz., 50c; pkt., 25c; 3 pkts. for 65c.

Super-Giants

Largest and most fully double asters, with flowers from 6 to 8 inches across, plants 2 $\frac{1}{2}$ ft. tall, with six to eight long stems. Early flowering.

- 943 **El Monte.** Like Los Angeles in size, and form, but of a deep glowing crimson. Blooms early and remains in flower for a long season. $\frac{1}{8}$ oz., 50c; pkt., 20c
- 942 **Los Angeles.** Pure shell pink, with huge flowers, but of charming form with curling, interlaced petals, giving a feathery effect. $\frac{1}{8}$ oz., 50c; pkt., 20c

California Giants

California Giants combine the fluffy or feathered type of flower with the long, straight stems of the Beauty class. The large, double flowers with long, attractively curled petals, grow 5 in. and more in diameter, on stems 1 $\frac{1}{2}$ to 2 ft. long. The vigorous, freely branching plants grow 2 to 3 ft. tall. Bloom from midseason until frost.

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|-------------------------------|---|
| 594 Appleblossom, shell pink. | 604 Peachblossom, opens white
flushes lavender pink. |
| 595 Carmine Rose, dark stems. | 605 Silvery Rose, rich rose, silver
tipped. |
| 596 Crimson. | 600 White. |
| 601 Deep Rose. | 610 Mixed. |
| 602 Dark Purple. | |
| 603 Light Blue. | |

Each of the above, $\frac{1}{8}$ oz., 50c; pkt., 15c; 3 pkts. for 40c.

Giant Mammoth Peony Flowered

The flowers are immense, very double, borne on long, stout stems, free from laterals. Splendid for cutting as they keep longer than any other variety. 2 $\frac{1}{2}$ to 3 ft.

- | | |
|-------------------------------------|----------------------------------|
| 931 Azure Fairy. Clear azure blue. | 936 Peachblossom. |
| 935 Maiden's Blush. Delicate flesh. | 937 Rosebud. A clear, deep rose. |
| 933 Purple Robe. Rich purple blue. | 934 Swan's Down. Pure white. |

Each of the above, $\frac{1}{8}$ oz., 50c; pkt., 20c.

- 938 Mixed. $\frac{1}{8}$ oz., 45c; pkt., 15c.

Outstanding Varieties

646 **Scarlet King (Beacon).** Finest of all red Asters. Plants grow 16 to 20 inches high; of a bushy, branching habit with many fully double flowers of color even more intense than Heart of France. Excellent for cutting. $\frac{1}{8}$ oz., 50c; pkt., 15c.

941 **Surprise "Salmogold."** When starting to flower the blossom is a pure salmon-yellow and when fully developed a salmon-pink. The single blossom is 2 $\frac{3}{4}$ to 3 $\frac{1}{2}$ inches. Each plant carries on the average 40 to 50 blooms and the cut flowers remain fresh in water from two to three weeks. Pkt., 25c.

Imbricated Pompon

Flowers very freely produced, often as many as 20 to a plant. Blooms very early. The small round Pompon blossoms have an outside row of short guard petals. Blooms about two weeks earlier than Lilliput.

- | | | |
|--------------------|-----------------|------------|
| 589A Crimson. | 590 Light Blue. | 587 White. |
| 589 Fiery Scarlet. | 588 Rose. | 592 Mixed. |

Each of the above, $\frac{1}{8}$ oz., 50c; pkt., 15c; any 3 pkts. for 40c.

Vaughan's Excelsior Mixture of Tall Asters, All Types

990 This is a mixture of the most beautiful, striking and distinct colors of all the tall-growing asters, wilt resistant and non-resistant, including the varieties listed and others especially purchased for this mixture. $\frac{1}{8}$ oz., 50c; large pkt., 25c; pkt., 15c.

Vaughan's Excelsior Mixture of Dwarf Asters

725 It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, especially selected for this mixture. $\frac{1}{8}$ oz., 50c; large pkt., 25c; pkt., 15c.

DOUBLE DWARF ASTER

515 **Dwarf Bouquet Mixed.** 10 in. The plants are little bouquets, each having a dozen or more lovely flowers an inch or more in diameter in delightful shades of shell pink, sky blue, blood red and white. Plant these in rows in the vegetable garden and cut off the complete plant for a bouquet. $\frac{1}{8}$ oz., 40c; pkt., 15c.

SINGLE ASTER (Southcote Beauty)

Free flowering, strain of branching habit, height 2 ft. Blooms in early September.

- | | | |
|------------------|-----------------|------------|
| 960 Dark Blue. | 970 Light Blue. | 976 White. |
| 964 Bright Rose. | 966 Scarlet. | |

Each of the above, pkt., 10c; any 3 pkts. for 25c.

- 985 **Southcote Beauty Mixed, all colors.** $\frac{1}{8}$ oz., 25c; pkt., 10c.

950 **Single Giants of California, Mixed.** Flowers large, 3 to 4 inches in diameter; petals graceful; stems 18 to 24 inches; blooms in mid-September. Pkt., 15c; $\frac{1}{8}$ oz., 50c.



884 ASTER Giant California Sunshine. Enchantress Pink. Pkt., 25c.



933 ASTER Giant Mammoth Peony Flowered Purple Robe. Pkt., 20c.



943 ASTER Super Giant, El Monte. Pkt., 20c.



255 Ribbon Planting of Vaughan's ALYSSUM Little Gem. Pkt., 10c.

Agrostemma

Culture: A or B (March-July), D or E (April-May)

- 230 **Coeli Rosa (Rose of Heaven)**. □ 1 ft. Graceful habit; flowers pale rose, shaded white. Sow at intervals all summer. ¼ oz., 25c; pkt., 10c.

Amaranthus □

Culture: A or B (May-June), D or E (April-May)

Tall, vigorous ornamental foliage plants, with showy flower clusters, which attain their finest coloring in hot, sunny locations. Rich soil increases the size of leaves at the expense of their color. Give plenty of room.

- 267 **Caudatus (Love Lies Bleeding)**. 3 ft. Drooping red spikes. Pkt., 10c.
 270 **Molten Fire**. 3 ft. Brilliant Poinsettia-like tips. ½ oz., 30c; pkt., 10c.
 275 **Tricolor (Joseph's Coat)**. 2½ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. ¼ oz., 25c; pkt., 10c.
 285 **Vaughan's Special Mixture**. A well balanced mixture of the above and others. ¼ oz., 25c; pkt., 10c.



308 ANAGALLIS Grandiflora Scarlet "The Scarlet Pimpernel." Pkt., 25c.

Sweet Alyssum

Ideal for Edging and Ribbon Plantings

Culture: A or B (March-July); D or E (March-May)

IT is truly queen of edging plants whether grown in a continuous ribbon, or alternated with blue lobelia, yellow signata marigold, or dwarf ageratum. Its white flowers never fail; it is amazingly vigorous and hardy, and exceptionally uniform in height and size.

- 255 **Vaughan's Little Gem (White Carpet)**. □ 4 in. The plants are so completely covered with snow-white blossoms they create the impression of a beautiful white carpet. ¼ lb., \$2.00; 1 oz., 75c; ½ oz., 40c; ¼ oz., 25c; pkt., 10c.
 262 **Benthami Procumbens Snow Cloth**. A special selection, each plant flat and compact mass of white without green center. Seed saved from transplanted seedlings only. Pkt., 10c.
 250 **Maritimum (Sweet Alyssum)**. □ 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Mix the seed with sand to prevent sowing too thickly. ¼ lb., 60c; 2 oz., 40c; 1 oz., 25c; ½ oz., 15c; pkt., 10c.
 259 **Violet Queen**.—See Novelties.
 261 **Lutescens**. □ 8 in. Dwarf, cream or straw color. ¼ oz., 25c; pkt., 10c.
 See also Perennial Pages.

- 295 **AMMOBIUM (Winged Everlasting)**. 10c.
ANGEL'S BREATH—See Gypsophila Elegans.
 315 **ANTIGONON Leptopus**, Mexican Mountain Rose. Pink. Pkt., 10c.
 470 **ARTEMISIA (Summer Fir)**. 3 to 5 ft., 10c.
 473 **ASCLEPIAS Curassavica (Sunset Glow)**. Orange-red. Pkt., 15c.
 490 **ASPERULA Azurea Setosa (Blue Woodruff)**. 1 ft. Blue. Pkt., 10c.
 For *Asperula Odorata*, see Perennial Pages.

5844 **ANNUALS FOR WINDOW OR PORCH BOX IN MIXTURE**. A charming selection of quick growing annuals which will make a bright spot and interesting display. This is a formula mixture carefully prepared to include both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.

English Daisy *

BELLIS PERENNIS (6 to 8 inches)

Culture: C (June-Sept.), Set out Sept.-Oct.

These jolly little flowers are popular because of their bright color, their profuse and long blooming period, and their dwarf compact growth.

- 1126 **Glory of Frankfurt**. Brilliant dark red. Pkt., 25c.
 1119 **Monstrosa Alba**. Large white. Pkt., 15c.
 1123 **Monstrosa Rosea**. Large pink. Pkt., 15c.
 1131 **—Mixed**. ½ oz., 35c; pkt., 15c.
 1116 **Double Choice Mixture**. ½ oz., 30c; pkt., 10c.

Anagallis (Pimpernel) □

Culture: A or B (May 15th), D or E (February-March)

- 307 **Coerulea**. 8 in. One of the most conspicuous low growing blue flowers, but must have a sunny place to do well. The plants spread rapidly and bloom freely. The flowers are of a real turquoise-blue. ½ oz., 25c; pkt., 10c.
 308 **Grandiflora Scarlet**. "The Scarlet Pimpernel," immortalized by Baroness Orczy in her famous novel. A brilliant half-hardy annual which can be sown outdoors where the plants are to bloom, and will give a display all through the summer months. ½ oz., 60c; pkt., 25c.
 305 **Mixed**. 6 in. Dwarf plants, blue and scarlet flowers, effective as edgings, also charming on rock-work and in pots. ½ oz., 25c; pkt., 10c.



450 ARCTOTIS Blue-Eyed African Daisy. 10c.

African Daisy (Arctotis) □

Culture: A or B (May 15th), D or E (February-March)

- 450 **Grandis (Blue-Eyed African Daisy)**, 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. ½ oz., 50c; ¼ oz., 30c; pkt., 10c.
 451 **New Hybrids**. 8-12 inches. A new race of African daisies rivaling in size and variety of coloring the famous gerberas, which they closely resemble, but much easier to grow in the garden. Flower 2½ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 15c.
 452 **Scapigera**. Flowers 3 inches in diameter, resemble those of the Shasta Daisy, of a soft lilac, on long slender stalks, about 18 inches in height. In bloom all summer and fall. Pkt., 35c.

Balsam Apple and Pear

Culture: A or B (May 15th)

- 1008 **Mixed** □ = 10 ft. Ornamental and quick-growing climber. Excellent to use in covering unsightly places. The flowers are followed by ornamental fruits. ¼ oz., 20c; oz., 50c; pkt., 10c.

Balloon Vine (Love in a Puff)

Culture: D or E (February-March)

- 995 □ = A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. ½ oz., 20c; oz., 35c; pkt., 10c.

BLACK-EYED SUSAN—See Rudbeckia (Perennial seeds) and Thunbergia (annual seeds).

BURNING BUSH—See Kochia.



307 ANAGALLIS Coerulea. Pkt., 10c.

Vaughan's Antirrhinum (Snapdragons)

Culture: A or B (March-April), D or E (Feb.-March)

Newest Rust-Proof

If you have found snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. By developing a strain of snapdragons immune to rust, scientists of the University of California have restored this brilliant flower family to leadership as a garden subject. Growing the Rust-proof strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

Rust-Proof Maximum Giant Flowered. Spikes 32 inches tall, and blooms 2 to 2½ inches across.

These have huge individual flowers and flower spikes.

- 341 **Maximum Alaska.** White.
342 **—Autumn Glow.** Copper shades.
343 **—Campfire.** Pure luminous scarlet.
344 **—Canary.** Yellow.
343A **—Copper King.** Burnished copper.
344C **—Daffodil.** Beautiful two-tone yellow.
345 **—Fair Lady.** Silver pink with white tube and yellow tip on lip.
342A **—Golden Glory.** The deepest yellow.
343B **—Indian Summer.** Coppery orange-scarlet.
346 **—Loveliness.** Pure soft rose-pink.
347 **—Red Cross.** Deep rich crimson, white tubes.
341B **—Rose Brilliant.** Rich deep rose.
347C **—Salmon Pink Shades.**
347B **—Salmon Rose Shades.**
341A **—Swing Time.** Loveliest rose-pink, a bright yellow lip and white tube.
347A **—White Spire.** Compact plant, pure white flowers
Each of above maximum type, pkt., 20c.



425 **Vaughan's Special Mixture of Snapdragons.** Includes the best of all the varieties listed and a packet will furnish you with a never-ending color combination of long stemmed cut flowers. 1 oz., \$1.50; ¼ oz., 40c; ⅓ oz., 25c; pkt., 15c.

No. 348 MIXED

All the above Rust-proof Maximum Snapdragons Mixed. Pkt., 25c; 3 pkts., 65c.

See Also Novelties.

MAJUS GRANDIFLORUM—Large Flowering

- 344B **Grandiflorum Daintiness.** Rose pink, white tube.
350A **—Opal Queen.** A delicate combination of salmon and apricot, pale yellow lip.
348A **—Orange Shades.**
337 **—Salmon Pink.**
338 **—Shasta.** Pure white.
353 **—Stoplight.** Vivid signal red self, both lips and tube one solid color.
352 **—Yellow Jacket.** A clear deep yellow.
Each of above, pkt., 20c.
355 **Majus Grandiflorum Mixed.** Pkt., 20c.

SUPER-MAJESTIC TYPE—Semi-tall Giant Flowered

- 326 **—Autumn Glow Shades.** Old rose, suffused amber, golden tip.
327 **—Orange Shades.** Marvelous shades of rose deeply overlaid tangerine or golden orange.
328 **—Red Rocket.** Bright red.
326A **—Rose Sensation.** Richest rose pink with a slight touch of salmon.
329 **—Royal Crimson.** Garnet crimson.
330 **—Shell Pink Shades.** These colors, fresh and dainty, show off to perfection in natural or artificial light.

- 331 **—Silver Pink.** Lovely deep pink with a white blotch on the lower lip.

332 Super-Majestic Type Mixed.

Each of super-majestic type, pkt., 25c; any 3 pkts for 65c.

Non-Rust-Proof Varieties

"MAJESTIC" Half Dwarf Sorts

A new English type with flowers of the Maximum and height of the Semi-tall.

- 315A **Avalanche.** Masses of snowy white flowers.
316B **Delight.** Delicate salmon-pink.
316 **Eldorado.** Deep golden yellow.
316C **Evensong.** Soft chamois pink, blending through apricot to buff.
317 **Golden Dawn.** Golden buff with salmon.
318 **Orange King.** An exquisite blend, rich terra-cotta above, the lip golden yellow merging to pure deep orange at the base.
319 **Red Chief.** Rich deep scarlet.
323 **Rose Beauty.** A charming rose pink self.
323A **Rosella.** Wonderful rich glowing rose.
320 **Rose Marie.** Light salmon rose golden rose.
321 **Sunset.** Bright terra-cotta above, blending downward to rosy salmon.
322 **Twilight.** Delicate apricot with yellow and salmon shading.
Each of above, pkt., 25c; any 3 pkts. for 65c.
324 **Majestic Mixed.** ⅓ oz., 40c; pkt., 25c.

NON-RUST-PROOF VARIETIES— Continued.

Semi-Tall Sorts, 18 to 20 inches

These are recommended for most beds and borders as they require no staking. The flowers have many new shades and tints.

- 363 **Amber Queen.** Amber overlaid chamois pink, gold lip.
368 **Black Prince.** Nearly black, small dark leaves.
371 **Bonfire.** Orange or flame color
377 **Canary Bird.** Light lemon-yellow
356 **Daffodil.** Pale lemon-yellow with a broad band of deeper shade across the center.
378 **Defiance.** Cinnabar scarlet.
359 **Dorothy Silk.** Fiery terra-cotta with a white throat.
379 **Empress.** Rich crimson.
383 **Fascination.** Pale pink
384 **Flame.** Brilliant orange-scarlet.
386 **Gloria.** Rose and white.
390 **Golden Queen.** Rich yellow
413 **Guinea Gold.** Glowing bronzy orange with yellow throat.
394 **His Excellency.** Brilliant orange scarlet with dark throat
396 **Mauve Beauty.** Rosy mauve.
398 **Nelrose.** Old rose, shaded blush.
404 **Prima Donna.** Terra-cotta pink.
403 **Queen of the North.** Large white.
404B **Red Emperor.** Rich deep scarlet
358 **Rose Eclipse.** Deep lustrous rose
407 **Silver Pink.** Pearl pink self
Each of the Semi-Tall sorts, pkt., 10c; 3 for 25c.
409 **Semi-Tall Mixed Majus
Nanum.** ⅓ oz., 25c; pkt., 10c.

PUMILUM NANUM COMPACTUM

This little-known race offered here attains a height of 6 to 8 inches and is covered all over with flowers being recommendable for groups. It does not show

the tendency to run to a strong central stem but forms a normal grown round bush covered with flowerets.

- 438 **Fireball.** Dark red, deep violet throat.
430 **Pink.** 431 **Yellow.** 435 **Snow Queen**
Each of the above, pkt., 10c; 3 pkts. for 25c
445 **Mixed.** The above. ⅓ oz., 25c; pkt., 10c

ROCK HYBRIDS ×

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings, as well as for plants in the greenhouse.

- 439 **Pink Gem.**
436 **Sutton's Little Gem.** Miniature hybrids 4 to 6 in. tall, suitable for rock gardens or edging, in many lovely shades.
440 **White Gem.**
Each of above, pkt., 25c; 3 pkts., 65c.
432 **Magic Carpet.** A snapdragon of almost creeping habit, fairly covered with soft pink flowers. Useful for border or rock garden. Pkt., 25c.

ANNUALS FOR ROCK GARDENS FOR SUMMER COLOR

4574 **Rock Garden Annuals, Vaughan's Special Mixture.** A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. ¼ oz., 50c; pkt., 25c.



Type of **BUSH BALSAM**
1052 Pink, 1051 Mixed.
Each, Pkt., 25c.

Bush Balsam

"GARDENIA FLOWERED"

1½ to 2 ft.

Culture: A or B (May-July), D or E (April-May)
Free-flowering double balsam of bushy growth, flowers appear in clusters on the top of stems like double roses, instead of hidden on side of stems. It is a fine bedding plant. In shades of white, rose and red.

- | | |
|-------------|---|
| 1052 Pink. | 1054 White. |
| 1053 Red. | 1055 White Reflected Rose. |
| 1056 Torch. | Dwarf vermillion red. |
| | Each of above, pkt., 25c; 3 pkts., 65c. |
| 1051 Mixed. | ¼ oz., 50c; pkt., 25c. |

Balsam (Lady Slipper)

An old favorite producing double flowers clustered in the axils of the leaves on short stems. The plants like hot sun, rich soil and plenty of water.

- | | |
|---|--|
| 1014 Crimson. | 1018 Dark Blue. |
| 1020 Flesh Pink. | 1022 Lemon Queen. |
| 1025 Lilac. | 1010 Pure White. |
| 1023 Nilsson Rose. | Deep dark rose. |
| 1027 Prince Bismarck. | Salmon-pink. |
| 1031 The King. | Brilliant scarlet. |
| 1033 The Queen. | Satiny salmon-pink. |
| | Each of above, pkt., 10c; any 3 pkts. for 25c. |
| 1040 Double Rose and Camellia-flowered Mixed. | ¼ oz., 25c; pkt., 10c. |
| 1045 Vaughan's Invincible Balsams Mixed. | Includes everything that is desirable in Balsams. ½ oz., 25c; pkt., 10c. |

Begonia

Tuberous Rooted

Culture: D or E (Jan.-March)

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. A little difficult to raise without greenhouse facilities.

- 1101 **Lloydii.** This variety is excellent for hanging baskets or window boxes, owing to its drooping habit. The flowers are pendulous, double in form, and in various tones of rose and carmine. Pkt., 50c.
- 1100 **Narcissus Flowered.** Resemble large Trumpet Narcissi. Various tones of scarlet and carmine, light and dark yellow, orange, buff, rosy white, and many new tones of rose from light to dark. Pkt., 50c.
- 1103 **Double Mixed.** Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.
- 1106 **Multiflora Fl. Pl. Mrs. Helen Harms.** The flowers are a deep canary yellow and are about 1½ in. in diameter. The foliage is small, being narrow and oblong in shape. In the second year the tubers produce much larger plants and many more flowers. Pkt., 35c.
- 1105 **Filled Mixed.** Best filled flowers. Pkt., 35c.
- 1099 **Single Mixed.** Saved from finest exhibition varieties having large, well-formed flowers of many tones of red, orange, pink, salmon, etc. Pkt., 35c.

Shade-Loving Begonias

(Fibrous-Rooted)

Ever-Blooming Bedding Varieties

A continuous flowering class of greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer while seedlings of summer make decorative winter house plants.

Begonia Seed is Very Fine. Open packets very carefully over a sheet of white paper.

- 1071 **Christmas Cheer Red.** The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 25c.
- 1072 **Christmas Pink.** Identical with above variety except the color is warm rose-pink. Pkt., 25c.
- 1077 **Gracilis Carmen.** Bright rose flowers in clusters well above the deep bronze foliage. Pkt., 50c.
- 1081 —**Prima Donna.** 1 ft. Brilliant, clear pink, shading to carmine-rose. Pkt., 25c.
- 1074 —**Radio.** A very large-flowered, shining pure carmine-scarlet. Pkt., 25c.
- 1076 —**White Pearl.** White, foliage green. Pkt., 25c.
- 1078 —**Dwarf Luminosa.** Bright scarlet. Pkt., 25c.
- 1083 **Semperflorens Elegance.** 10 inches. Of bushy habit, free flowering, bearing large white flowers with a vivid crimson edge. Pkt., 35c.
- 1086 —**Salmon Queen.** Large salmon flowers with dark leaves. Pkt., 35c.
- 1090 **Semperflorens Mixed.** Pkt., 10c.

See also Novelties.

- 1109 **Evansiana.** Rich green foliage with red reverse, big trusses of light pink, small flowers. Happy under trees. Hardy with protection. Flowers in autumn. Pkt., 35c.



1146 **BRACHYCOME Mixed**
(Swan River Daisy). Pkt., 10c.

Brachycome

(SWAN RIVER DAISY)

Culture: A or B (May 15th), D or E (March-April)

A free-flowering, dwarf-growing annual, 12 inches tall, covered during the greater part of the summer with a profusion of dainty flowers which resemble small cinerarias, suitable for edgings, small beds or pot culture.

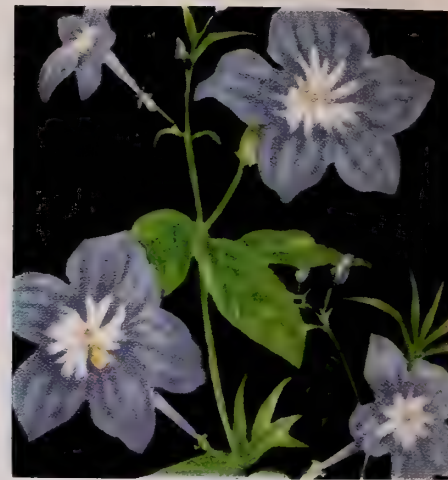
- | | |
|-------------|------------------------------|
| 1140 White. | 1143 Blue. |
| 1141 Pink. | 1146 Mixed. |
| | ¼ oz., 25c. |
| | Each of the above, pkt., 10c |

Annual Canterbury Bells

Culture: D or E (Jan.-April)

Annual varieties of this splendid flower family bloom in about six months from seed, growing to 2½ ft., and bearing six to eight spikes of bloom. A splendid late summer border flower.

- 1303 **Angelus Bell.** Deep rose. Pkt., 10c.
- 1304 **Liberty Bell.** Intense blue violet. Pkt., 10c.
- 1306 **Mission Bell.** Soft clear pink. Pkt., 10c.
- 1307 **Wedding Bell.** Satiny white. Pkt., 10c.
- 1305 **Mixed.** Contains all the colors so far developed of the annual strain including dark and light blue, pink, rose and white. Pkt., 10c.



1155 **BROWALLIA Speciosa Major.**
Pkt., 25c.

Browallia

Culture: A or B (April-June)

Profusely blooming bedding plant, covered during summer and autumn with flowers of a rare shade of intense blue, grows freely in any rich soil; blooms well in the winter if lifted and cut back. In the garden they grow with 12 inch stems and make fine cut flowers.

- 1157 **Elata Blue.** Pkt., 10c.
- 1156 **Elata White.** Pkt., 10c.
- 1160 **Elata Mixed.** Blue and white. Pkt., 10c.
- 1161 **Sapphire.** 10 in. Sometimes bearing over a hundred dark blue flowers with a white eye, suggesting a large flowered Lobelia. Pkt., 25c.
- 1155 **Speciosa Major.** Brilliant ultramarine blue; a rare color; for border or hanging baskets. Pkt., 25c.

Cacalia (Tassel Flower) 2 ft.

Culture: A only (May 15th)

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter.

- 1172 **Aurea.** Pkt., 10c. 1171 **Scarlet.** Pkt., 10c.
- 1170 **Mixed.** Scarlet and yellow. ¼ oz., 25c; pkt., 10c.

Cardinal Climber

Culture: D or E (March-June), A (May 15th)

1320 A rapid growing annual vine attaining a height of 25 feet, with cluster of fern-like foliage covered with fiery cardinal-red flowers 1 inch in diameter from mid-summer to frost. Give it a warm, sunny situation and rich soil. The seed should be soaked a few hours and sown about May 1. The vines are a favorite play ground of humming birds. ¼ oz., 30c; pkt., 10c.



1320 **CARDINAL CLIMBER.** Pkt., 10c.

Calendulas (Pot Marigolds)

Culture: A or B (March-May), D or E (March-April) □

Calendula is one of the best annuals for the garden or greenhouse, being equally at home in either place. Vast improvements in size, shape and color of late years have changed the original "Pot Marigold Cinderella" into a Royal Princess. Keep the flowers cut for continuous blooming. Make a late sowing in early July for flowers in cool weather; they stand light frosts.

- 1198 **Apricot.** A flat petaled variety of a bright apricot shade, deepening slightly towards the center. Pkt., 10c.
- 1194 **Ball Gold.** Extra long stemmed, large deep golden yellow. ¼ oz., 80c; pkt., 15c.
- 1191 **Ball Orange.** It has fine stems and immense double flowers of a brilliant glistening orange. ¼ oz., 80c; pkt., 15c.
- 1200 **Campfire (Sensation).** Flowers grow 4 inches wide, completely double, are of a deep orange. It grows vigorously with exceptionally strong, heavy stems. Especially selected stock. Oz., \$1.25; ½ oz., 75c; ¼ oz., 50c; pkt., 15c.
- 1201 **Graciella Hybrids.** A dwarf early-flowering type. The plants grow 12 inches tall, which makes them suitable for edging, borders, etc. The colors are varying from lemon to light and dark fiery orange yellow, with or without dark eye. ½ oz., 25c; pkt., 15c.
- 1189 **Yellow Sunshine.** Large, double flowers on long, stout stems, petals broad and drooping, giving the flower a globular form. A pleasing buttercup-yellow color, free from calendula odor and keeps well in water. ½ oz., 60c; ¼ oz., 40c; pkt., 10c.
- 1195 **Orange Sunshine.** The same loose flower form with incurved petals is present, while the color is clear light orange. The flowers are excellent for cutting. ¼ oz., 40c; pkt., 10c.
- 1197 **Moonlight.** A beautiful soft cream yellow, with petals of the chrysanthemum type, nearest approach to white of all calendulas. ¼ oz., 80c; pkt., 15c.
- 1190 **Orange King.** 18 in. Outer petals are slightly imbricated, while the centers are incurved. A glowing orange. ¼ oz., 25c; pkt., 10c.
- 1202 **Pastel Bedding Mixture.** A balanced selection of dwarf varieties, in light apricot, salmon, orange, lemon and cream. Pkt., 10c.
- 1203 **Shaggy.** 18 in. Long fringed petals overlapping form a flower resembling some chrysanthemums. Deep orange turning lighter at the center gives a two-tone effect. Long stems. Pkt., 10c.
- 1204 **Orange Fantasy Crested.** 15 in. The first few rows of petals on the outside are long and beautifully twisted; the inner petals are short and fantastically curled and interlaced, to form a heavy crest which surrounds a large, attractive, mahogany-bronze center. Flowers grow 3¾ inches across, of deep bronzy orange with petals edged deep mahogany-red. ¼ oz., 40c; pkt., 10c.
- 1205 **Mixed, all colors.** For woodlands and perennial borders. ¼ oz., 20c; oz., 60c; pkt., 10c.



1200 CALENDULA Campfire (Sensation). Pkt., 15c.

Gay Calliopsis Clan □

Culture: A (March 1st-June 1st)

The annual coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. They are thrifty, vigorous, bloom throughout the summer and often self-seed.

- 1210 **Crown of Gold.** 20 in. Pure golden yellow, 2 inches across, on long, wiry stems; hardy and blooms nearly all season. ¼ oz., 25c; pkt., 10c.
- 1216 **Drummond, Golden Wave.** 2 ft. Yellow with circle of crimson-brown around the eye. ¼ oz., 25c; pkt., 10c.
- 1220 **Golden Crown.** Award of Merit All-America Selection 1938. A rich orange-yellow a third larger than Golden Wave. It has a pleasing fragrance and is nice for cutting, with 12-inch wiry stems. ¼ oz., 25c; pkt., 10c.
- 1217 **Nigra Speciosa.** 3 ft. Rich reddish maroon. ¼ oz., 25c; pkt., 10c.
- 1218 **Semi-Double Gold Crest.** A rich golden yellow with reddish brown zone. Flowers are 2½ to 3 inches across, with a double row of mammoth petals. ¼ oz., 25c; pkt., 10c.
- 1240 **Double Mixed.** All colors. Oz., 75c; ¼ oz., 25c; pkt., 10c.
- 1235 **Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders. ¼ oz., 25c; oz., 60c; pkt., 10c.

1245 **CALLIOPSIS** Vaughan's Special Mixture. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. Oz., 80c; ½ oz., 50c; ¼ oz., 30c; pkt..... 10c

Canary Bird Vine □ =

Culture: A or B (May 15th-June 20th), D or E (February-March)

- 1250 A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. ½ oz., 30c; pkt., 10c

- CALCEOLARIA—See page 39.
- CALIFORNIA POPPY—See Escholtzia.
- CASTOR OIL PLANT—See Ricinus.
- CHINESE LANTERN PLANT—See Physalis Franchetti. Pkt., 10c.
- CHINESE FORGET-ME-NOT—See Cynoglossum Amabile. Pkt., 10c.
- 1810 **CLIANTHUS Dampieri (Glory Pea of Australia).** Bright red, black spot. 15 seeds, 25c.

Grow Cacti from Seed

Culture: D or E (March-April), C (May-June)

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of from 14 to 40 days. We also offer a booklet, "Cacti in the Home." Price, 35c.

- 1252 **Cereus** (Column cacti) mixed.
- 1253 **Echinocactus** (Hedgehog-cacti) mixed.
- 1254 **Echinocereus** (Cluster-cacti) mixed.
- 1255 **Echinopsis** (Tube-flowering hedgehog-cacti).
- 1256 **Mamillaria** (Wart cacti) mixed.
- 1257 **Opuntia** (Fig-cacti) mixed.
- 1251 **Cacti.** All kinds and forms mixed. Each of above, pkt., (50 seeds) 25c; 5 for \$1.00.
- 1251A **Collection.** 10 sorts, each in illustrated bag with cultural directions. Each, \$1.00.
- 1258 **Cephalocereus Senilis** (Old Man Cactus). Pkt., (20 seeds) 25c.
- 1258A **Cereus Grandiflorus.** (Night Blooming Cereus). Pkt., (10 seeds) 35c.

Collinsia □ 18 in.

Culture: A or B (March-June)

Lovely blooms arranged in whorls on slender stems about 1 ft. tall. Grows in common soil, blooms freely from June to October. Good cut flower material, also fine for bedding and edging.

- 1867 **Salmon Beauty.** This new variety is of the purest salmon-rose tone. Pkt., 15c.
- 1870 **Mixed.** Many colors of these old-fashioned annuals in mixture. ¼ oz., 25c; pkt., 10c.



1870 COLLINSIA Mixed. Pkt., 10c.



1245 CALLIOPSIS Vaughan's Special Mixture. Pkt., 10c.

See Also Novelties.

Garden Carnations □

Culture: D or E (March-May); A or B (March-July 15th)



1390 CARNATION Vaughan's Special Mixture (100 Seeds), 25c.

1390 CARNATION Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in September, potted and will bloom in the house. Pkt. (100 seeds), 25c



1608 CHEIRANTHUS Golden Bedder, 15c.

Who doesn't love the spicy odor of the carnation? Its beautiful blossoms like the hothouse varieties may be grown from seed if sown inside in January, February or March, and transplanted outside by the end of May. Plants may be lifted in fall, cut back and they will bloom again indoors.

Giant Enfant de Nice Carnations. They are of compact growth with extremely stiff stems bearing flowers which are up to 2 1/4 to 2 3/4 inches in diameter without disbudding the plants. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

- 1325 White. 1327 Rose.
- 1326 Salmon. 1328 Red.
- 1329 Mixed from varieties noted above.

Each of above, pkt. (100 seeds), 35c.
Improved Early Flowering Perpetual. Plants bloom in about five months from sowing and continue all summer. The flowers are very double, of large size, clove scented. The calyx does not split. They are borne on stiff stems 15 to 18 inches high.

Our strain will produce 90% double flowers and comes true to color.

- 1336 White. 1340 Scarlet.
- 1337 Yellow. 1341 Maroon.
- 1338 Rose Pink. 1342 Salmon Rose.
- 1339 Flesh Pink. 1343 Mixed all colors.

Each of above, 3/8 oz., 60c; pkt., 25c; any 3 pkts. for 65c.
1350 Giant Margaret Mixed. Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt. (100 seeds), 15c
 See also Hardy Perennials.

Cheiranthus □

Culture: C (July), A (March-April)

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring.

7440 Allioni (Siberian Wallflower). 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Blooms from seed the first year. 1/4 oz., 25c; pkt., 10c.

1608 Golden Bedder. Fragrant golden yellow flowers, larger than Allioni, are borne for a long season, if faded blossoms are kept picked. 3/8 oz., 25c; pkt., 15c.

1609 Kewensis. 12 in. A brilliant orange-yellow, blooms freely from seed first year. Pkt., 25c.

1611 Linifolius (Alpine Wallflower). 9 in Wall-flower-like blossoms of lilac. Pkt., 15c.

For Cultural Instructions See Page 40.

Cleome Pungens (Spider Plant)

Culture: D or E (February-March) □ 5 ft.

1800 Giant Rose. Stately, shrub-like plants producing at the top of each branch, showy, curious flower heads of rich rosy crimson. A good bee plant. Pkt., 10c.

1801 White. Flowers white. Pkt., 10c.

One packet each of the 2 varieties above, 15c.

Lutea. See Novelties.

Cobaea (Cathedral Bells)

Culture: A (May 15th), D or E (March-April)

1820 Scandens. □ = 30 ft. One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. 1/4 oz., 25c.

1825 Flore Albo. White.

1830 Mixed. White and blue.

Each of the above, pkt., 10c.

Coleus □

Culture: D or E (January-July)

Very handsome and decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color.

1855 Vaughan's Rainbow Mixture. +2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 8x10 inches; their color combinations are remarkably rich. Pkt., 25c.

1861 Large Leaved Copper. Pkt., 25c.

1863 Large Leaved Dwarf Mixture. The coloring is very attractive with many shades and tints of yellow, copper, red, etc. Pkt., 25c.

1860 Fine Mixed. Pkt., 10c.

Glory. See Novelties.



1260 CANDYTUFT Giant Hyacinth-Flowered. White. Pkt., 10c.

Candytuft (Iberis) □

Culture: A or B (March-June), D or E (Feb.-March)

These Candytufts are of fine habit and profuse and early bloomers.

Successive plantings give flowers all summer.

Note—Candytuft may be sown late in Fall in Tulip beds.

1260 Giant Hyacinth-Flowered White. 1 ft. Large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. 1 oz., \$1.00; 1/4 oz., 25c; pkt., 10c.

Umbellata sorts grow about 1 ft. tall with flowers in umbrella form. We offer the following six colors and mixed as noted below.

- 1275 Alba. White. 1277 Flesh.
- 1276 Carmine. 1282 Rose Pink.
- 1279 Crimson. 1287 Mixed.
- 1286 Lilac.

Each of the above, oz., 75c; 1/4 oz., 25c; pkt., 10c; 3 pkts. for 25c.

1290 Dwarf Hybrids Mixed. 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink and delicate blush to lilac and purple-crimson. 1 oz., 80c; 1/4 oz., 25c; pkt., 10c.

1291 Dwarf White. 1294 Dwarf Crimson.

1293 Dwarf Rose. 1295 Dwarf Lilac.

Each of above, 1/4 oz., 30c; pkt., 10c; 3 pkts. for 25c.

1289 Little Prince. 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf sturdy plants. 1/4 oz., 30c; pkt., 10c.



1855 COLEUS Vaughan's Rainbow. Pkt., 25c.



1570 **CENTAUREA** Giant Sweet Sultan Mixed. Pkt., 10c.



CENTAUREA 1480 Americana and 1485 Alba. Each, pkt., 10c.



1522 **CENTAUREA CYANUS** Vaughan's Special Super Double Mixed. Pkt., 15c.

Popular Annual Centaureas

Culture: A or B (March-June), D or E (March-April)

The Centaureas have diversity of form and usage. Originally there was the Cyanus or Bachelor Buttons, a small single sort. Now it has been improved so the big double flowers seem to have no relation to the original type.

The Imperialis or Giant Sweet Sultans have artistic shaped flowers in pastel shades. The Suaveolens belong to this group with their graceful, golden flowers. The Americana is a native variety with huge flowers. The Candidissima and Gymnocarpa are grown for their silvery foliage to border beds of large plants like cannas.

Centaurea Cyanus Super Double. A perfected strain of this popular hardy annual, which everyone can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer.

1506 **Blue Boy.** The true cornflower blue. $\frac{1}{2}$ oz., 50c; oz., 85c.

1509 **Snowman.** Pure white. $\frac{1}{2}$ oz., 50c; oz., 85c.

1507 **Pinkie.** Lovely true pink. $\frac{1}{2}$ oz., 50c; oz., 85c.

1508 **Red Boy.** Deep glowing red. $\frac{1}{2}$ oz., 50c; oz., 85c.

Each of above, pkt., 15c. One packet each, 4 pkts., 50c.

1522 **Vaughan's Special Super Double Mixed.** Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c.

1504 **Jubilee Gem.** A dwarf variety, making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green, 12 inches in height. Pkt., 15c; $\frac{1}{2}$ oz., 50c.

See Novelties.



1580 **CENTAUREA** Yellow Sweet Sultan. Pkt., 10c.



1700 **CHRYSANTHEMUM** Vaughan's Special Single and Double Annual Mixed. Pkt., 10c.

CENTAUREAS—Continued

White Leaved (Dusty Millers)

Culture: A or B (March-June), D or E (March-April)

1595 **Candidissima.** 10 in. Thick silvery white leaves. Should be sown early. $\frac{1}{2}$ oz., 30c; pkt., 10c

1600 **Gymnocarpa.** $1\frac{1}{2}$ to 2 ft. Foliage finely cut of silvery gray color. $\frac{1}{4}$ oz., 25c; pkt., 10c.

1730 **Cineraria Maritima Diamond** is also known as Dusty Miller. Pkt., 10c.

CONVOLVULUS, Morning Glory—See Page 60.

Crepis (Hawkweed) \square 18 in.

Culture: A or B (March-June)

1998 Showy semi-double star flowers of bright rose color. Bushy plant attractive in the garden and useful for cutting purposes. Pkt., 10c.

Chrysanthemums

Annual Varieties

Single Flowering Varieties. 20 in.

Culture: A or B (March-June), D or E (Feb.-March)

Of the easiest culture; flower profusely during the summer and fall, especially in sections where the summers are not too hot. They are showy in the garden and fine for cutting. Prefer heavy soil.

1635 **Burridgeanum.** Pure white petals with zone of rich brownish red and inner zone of yellow surrounding the dark brown disc. Pkt., 10c.

1620 **Morning Star.** Petals primrose-yellow with halo of deeper yellow; dark yellow disc. Pkt., 10c.

1714 **Nivelli.** Produces bushy plants with an abundance of large pure yellow single flowers all summer and fall. $2\frac{1}{2}$ ft. Pkt., 10c.

1645 **The Sultan.** Rich wallflower-red with a narrow yellow zone around the brown disc. Pkt., 10c.

1627 **W. E. Gladstone.** Rich velvety purple, yellow ring. Pkt., 10c.

1655 **Vaughan's Special Single Mixed.** Showy flowers of bright colors. $\frac{1}{4}$ oz., 25c; pkt., 10c.

1628 **Zebra.** Bicolor brown and gold with dark center. Pkt., 10c.

Double Flowering Varieties. 4 ft.

1656 **Coronarium Double White.** Pkt., 10c.

1659 —Double Golden Yellow. Pkt., 10c.

1695 —Vaughan's Special Mixture of Double Chrysanthemums. $\frac{1}{4}$ oz., 25c; pkt., 10c.

1700 **Vaughan's Special Mixture.** Single and Double sorts in finest mixture, including many varieties not catalogued. $\frac{1}{4}$ oz., 25c; pkt., 10c

1711 **CHRYSANTHEMUM** Japonicum Anemone

Flowered Mixed. The flowers are beautifully quilled, 2 to 3 inches across, extensively varied in color including a wonderful assortment of gold and bronze tones characteristic of this new strain. Blooms from seed the first year, if sown early. Pkt. . . . 50c

See Novelty Pages for Korean Hybrids.



1463 CELOSIA Flame of Fire. Pkt., 25c.



1930 COSMIDIUM Orange Crown. Pkt., 10c.



2015 CYNOGLOSSUM (Chinese Forget-Me-Not) Blue. Pkt., 10c.

Be sure to include in your order some of the novelties, especially the All-America Awards 1940 listed on page 9. These are the glamor debutantes in the Floral World.

Celosia (Cockscomb) □

Culture: A or B (May 15th-June 15th), D or E (March on)

THE name cockscomb is derived from the resemblance of the flower heads of the crested type to a cock's comb in form, though in texture they are like plush or chenille. The crested type thrive in light soil. Nice for edgings, borders, or pots. Easily dried for winter use.

Crested Dwarf Sorts, 8 to 10 in.

- 1410 **President Thiers.** Fine dwarf habit with bronzy foliage and large, velvety crimson combs.
 1415 **Empress.** Blood-red combs and brown foliage.
 1420 **Aurea.** Golden yellow combs.
 1421 **Rose.** Rose colored combs.
 Each of above, pkt., 15c.
 1430 **Dwarf Mixed.** Pkt., 15c.

Crested Tall Sorts, 18 to 24 in.

- 1431 **Chamois.** 1433 **Golden Yellow.**
 1432 **Crimson.** 1437 **Scarlet.**
 Each of above, pkt., 15c.
 1435 **Tall Mixed.** ½ oz., 25c; pkt., 10c.

Lilliput

The plants attain the height of 12 inches, consisting of 15 to 20 branches of even length all terminated by brilliant feathery cockscombs.

- 1476 **Fire Feather.** Red. Will add life to any garden. Pkt., 25c.
 1477 **Golden Feather.** Yellow. Pkt., 25c.

Tall Ostrich Plume Sorts

They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

- 1440 **Aurea.** Orange. 1446 **Rose.**
 1445 **Coccinea.** Crimson. 1450 **Mixed.**
 Each of above, ½ oz., 40c; pkt., 10c.
 1455 **Thompsoni Magnifica.** Mixed. 2-3 ft. A choice strain of the Ostrich Plume Celosias. Pkt., 10c.

Dwarf Ostrich Plume

- 1475 **Dwarf Plume Varieties Mixed.** 15 in. Good for pots and beds. Pkt., 25c.

Other Celosias

- 1463 **Flame of Fire.** 18-20 in. Perfect pyramidal habit with center head and many side branches of a lush green. The branches terminate in circular feathery combs of fiery scarlet. Pkt., 25c.
 1454 **Miracle Cockscomb Mixed.** Grows 2-3 ft. high without branches terminated with remarkable cockscombs of enormous size, some round, others cockscomb shape, with surface like velvet plush, others of waved or corrugated appearance. At its best September until frost. Pkt., 25c.
 1460 **Pride of Castle Gould.** Compact pyramidal plants produce immense flower heads, resembling willow plumes in many shades. Pkt., 25c.
 1470 **Spicata.** 3 feet. Round, slender pointed spike of bloom, 3 to 4 inches in length and one-half inch in diameter. The flowers at first are a soft bright rose, changing to silver-white. Pkt., 15c.
 1465 **Chinese Woolflower, Crimson.** Grows rapidly into a plant 2 to 3 feet high with many branches which in turn are branched, each growth terminating in a flower head resembling a ball of scarlet wool. The color endures unfading until frost, deepening into crimson scarlet. Pkt., 15c.
 1466 **Chinese Woolflower, Deep Rose.** This variety is exactly like the original Chinese Woolflower, only the color is a deep rose instead of scarlet. Pkt., 15c.
 1467 **Chinese Woolflower, Yellow.** Pkt., 15c.

Cuphea, Firecracker Plant □

- 1999 **Firefly.** This is a semi-dwarf, compact annual with a spread of about 12 inches. The flowers are freely produced, somewhat fluted, a deep rosy scarlet deepening almost to purple at the center. The foliage is very attractive, the plants flower from seed in five months. Pkt., 25c.

- 2000 **Platycentra (Cigar Plant).** Scarlet and black. Pkt., 20c.

Avalon Hybrids. See Novelties.



1790 CLARKIA Vaughan's Special Mixture Pkt., 10c.

Double Clarkia □ 2 ft.

Culture: A or B (March-May), D or E (Feb.-March)

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. Does best in sections where summers do not get too hot. If the roots are confined by growing in small pots, they will bloom earlier.

- 1735 **Albatross.** Pure white of upright growth
 1740 **Apple Blossom.** Apple blossom.
 1743 **Brilliant.** Double flowers of bright carmine resembling a small carnation.
 1744 **Chieftain.** Delicate mauve, extra double.
 1757 **Enchantress.** A wonderful salmon pink.
 1749 **Firebrand.** Brilliant coppery-scarlet.
 1750 **La France.** Delightful pale salmon pink.
 1747 **May Blossom.** Pure glowing rose which deepens to pink.
 1748 **Orange King.** Bright orange scarlet.
 1751 **Purple Prince.** Rosy purple.
 1755 **Queen Mary.** Rose carmine.
 1761 **Salmonia Perfecta.** True salmon, extra double.
 1770 **White Prince.** Pure white.
 Each of above, ½ oz., 25c; pkt., 10c; any 3 pkts. for 25c
 1789 **Novelty Mixture.** A mixture of new and attractive varieties. Pkt., 15c.
 1790 **Vaughan's Special Mixture.** Made up especially from the above named varieties. ½ oz., 25c; pkt., 10c.

Cosmidium Orange Crown □ 2 ft.

Culture: D or E (February-March)

- 1930 The flowers are golden yellow with a broad circle of a rich orange around the center disc. Bloom all summer. Pkt., 10c.

Cynoglossum

Culture: A or B, D or E (March-April)

- 2015 **Amabile, Chinese Forget-Me-Not.** □ 18 to 24 in. Produces large sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ¼ oz., 25c; pkt., 10c.
 2017 **—Pink.** Similar to the above but having lovely bright pink blooms. Pkt., 15c.
 2018 **—Fairy Blue.** 2 ft. Flowers like amabile, of bright Cambridge or sky blue tone. Pkt., 15c
 2016 **Linifolium.** 9 in. Charming white Forget-Me-Not like flowers with silvery foliage. Pkt., 10c. See Novelties.

Cypress Vine □ = 10 ft.

Culture: A or B (April-June), D or E.

A graceful, twining annual climber with delicate, fern-like foliage and a profusion of star-shaped blossoms. Climbs 15 feet and blooms from midsummer to frost. Sow in May, first soaking seeds in warm water.

- 2040 **Mixed.** Scarlet and white. ¼ oz., 20c; pkt., 10c
 CYCLAMEN—See page 39.

Charming Cosmos

Culture: A or B, D or E (February-April)

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. Excellent for cutting. We list only the early flowering varieties as the late varieties are so apt to be taken by early frosts.

Try the effect of Cosmos Sensation Pink with White Nicotiana Affinis in a low bowl for a lovely fairy-like combination.

COSMOS Sensation, New Giant Early Strain

Early flowering blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

1968 Pink. A delightful rose-pink selection. Pkt., 25c.

1967 Purity. A white with satin sheen. Pkt., 25c.

One packet each above, two colors, for 40c.

1966 Special Mixed. Including the two colors offered. Pkt., 25c.

1979 Orange Flare. Well-branched plants, 3 ft. tall, covered with showy golden orange flowers in about 3 months from seed, and blooms with increasing freedom until killing frost. Sow outdoors when soil is warm, or indoors with bottom heat of 70 degrees. Give full sun. Does not need staking. 1/8 oz., 35c; pkt., 15c.

Single Early Flowering Mammoth

1935 White. **1945 Crimson.** **1940 Pink.**

Each of the above, 1/4 oz., 25c; pkt., 10c.

1950 Early Flowering Mammoth Mixed, all colors. 1/4 oz., 20c; pkt., 10c

Double Early Flowering

These grow to a height of about three feet, forming a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

1990 Pink. **1991 White.** **1992 Crimson.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

1994 Mixed. Above 3 colors. 1/4 oz., 35c; pkt., 25c.



1968 COSMOS Sensation. Pink. Pkt., 25c.

1954 Miniature Golden (*Bidens Humilis*). 18 in. The rich, yellow, star-like flowers are very attractive on the deep olive green finely cut foliage. They form neat and compact bushes and bloom very freely. Excellent cut flower or edging plant. Pkt., 10c.



2115 DATURA Double Fine Mixed. Pkt., 10c.

Datura (Angel's Trumpet)

Culture: A or B (May 15th-June 15th),
D or E (March-April)

Handsome subtropical plants for summer bedding, having large trumpet-shaped fragrant flowers. They should be given a light soil and sun. 3 ft.

2100 Cornucopia (Horn of Plenty). Immense flowers, triplicate in form, one within the other; rich violet, with white interior.

2105 Golden Queen. Bright yellow flowers.

2110 Double White.

2115 Double Fine Mixed.

Each of the above, pkt., 10c.

Lavender Lace Flower

Culture: A or B, D or E (March-April)

2310 Didiscus Coeruleus 3 ft. Charming blue annual, with dainty lavender and blue flowers which resemble Queen Anne's Lace of our roadsides. Excellent for bedding and a desirable cut flower. 1/8 oz., 25c; pkt., 10c.

2361 ERYSIMUM Perofskianum (Fairy Wall-flower). 12 to 18 inches. Bright orange. Pkt., 10c.

DAISY, see *Agatheia*, *Arctotis*, *Bellis*, *Brachycome*, *Chrysanthemum maximum*, *Dimorphotheca*, *Pyrethrum roseum* and *Tahoka Daisy*.

If you plant but one annual, plant one of these.



1994 COSMOS Double Early Flowering Mixed. Pkt., 25c.



1979 COSMOS Orange Flare. Pkt., 15c.



2310 DIDISCUS Lavender Lace Flower. 10c.



1954 COSMOS Miniature Golden. Pkt., 10c



2086 DAHLIA Unwin's Dwarf Hybrids. Pkt., 25c.

Grow Dahlias from Seed

Culture: D or E (April-May), A or B (May 15-July 1)

It is easy, most interesting and fascinating to grow Dahlias from seed and enjoy the surprise of new colors and forms. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant in the garden.

Dahlias were the prized possession of grandmother's garden, then as the style in flowers changed, as in everything else, they lost their place "in the sun." Another cycle and we find them again the most precious garden favorite. Many making a specialty of growing them.

The varied forms, from the giant Salbach varieties, to the single Coltness and the wee Lilliput or Pompon with its early Victorian style of neatness, supply a great range of form and color.

DOUBLE DAHLIAS

- 2088 Dobbie's Orchid Flowered Mixed.** A new type with petals twisted and curled, in a variety of colors. It comes 90 per cent true from seed. Pkt., 25c.
- 2080 Double Best Mixed.** 3 ft. Saved from show and fancy sorts. Pkt., 25c
- 2075 Double Cactus Flowered Mixed.** 3 ft. With twisted and curled petals. Pkt., 25c.
- 2089 Double Lilliput Mixed (Pompon).** 1 ft. Small flowered, splendid assortment. Pkt., 15c.
- 2083 Salbach Choice Mixed.** 4 ft. If you want giant show flowers try this. 100 seeds, \$1.00.
- 2084 Salbach Selected Mixed.** 4 ft. 100 seeds, \$2.50.
- 2081 Selecta, Extra Double Giant Flowered.** Seeds saved by a Pacific coast specialist from the largest double flowers of best varieties. Pkt. (50 seeds), 50c.
- 2087 Unwin's Ideal Bedding Mixed.** The flower petals are nearly all twisted. Double and semi-double flowers in many charming colors, excellent for cutting. Pkt., 25c.
- 2091 Zulu Strain.** Dark bronzy leaved plants of the Unwin type, with semi-double flowers of crimson and scarlet. Pkt. (50 seeds), 35c.

Single Flowering

- 2055 Collarette, Mixed Colors.** 3 ft. Flowers of various colors, adorned with a collar of small petals around the center. Pkt., 10c.
- 2057 Coltness Gem.** 18 in. The color is a bright scarlet, varies. Pkt., 25c.
- 2059 Coltness Rose.** 18 in. Bright rose and pink shades. Pkt., 25c.
- 2058 Coltness Yellow.** 18 in. The flowers are a good clear yellow. Pkt., 25c.
- 2060 Coltness White Gem.** The best selection of white. Pkt., 25c. Any three packets of Coltness Gem for 60c.
- 2056 Coltness Hybrids.** 18 in. Habit neat and compact, blooms from July until frost. The flowers have either flat or slightly fluted petals, nearly all 3 in. in diameter. Pkt., 25c.

2086 DAHLIA UNWIN'S DWARF HYBRIDS. Flowering in sixty days from seed. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, red, orange, yellow and maroon. They flower until frost kills the plants, and produce tubers which can be saved. Pinched back, they make fine pot plants. $\frac{1}{4}$ oz., \$1.00; $\frac{1}{2}$ oz., 60c; pkt. . . . 25c

Annual Pinks

Culture: A or B, D or E (Feb. to April)

DIANTHUS

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkably wide range of beautiful and rich color and color combinations.

Double Flowering

- 2257 Chinese Double Mixed.** Handsome clusters of very double flowers; many bright colors. $\frac{1}{4}$ oz., 25c; pkt., 10c.
- 2290 Fireball.** Large, double; rich, blood-red.
- 2258 Heddewigi Double (Double Japanese Pinks): Mixed.** A fine mixture of colors, varying from the richest crimson to delicate rose.
- 2280 Lucifer.** Double orange.



2057 DAHLIA Coltness Gem. Pkt., 25c.

ANNUAL PINKS—Continued.

- 2296 Midnight.** Double blood-red.
- 2295 Rosalind.** Double rose.
- 2255 Salmon.** A beautiful shade
- 2293 Snowball.** Compact, fringed white flowers. Each of the above, pkt., 10c; any 3 pkts. for 25c.

2300 DIANTHUS Vaughan's Special Mixture of Double Pinks. Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. $\frac{1}{4}$ oz., 30c; pkt., 10c.

Single Flowering

- 2236 Heddewigi Large Flowered Single Japanese Pinks.** Flowers 2 to 3 inches in diameter, borne profusely. Colors include pink, rose and white, and many marked with rose and red centers. Pkt., 10c.
- 2240 Laciniatus Splendens.** Flowers of brilliant crimson, over 2 inches across, with fringed petals, have a boldly contrasting white center. Pkt., 10c.
- 2196 Salmon Queen.** Salmon scarlet. Pkt., 10c.
- 2250 Sweet Wivelsfield, Mixed Colors.** A cross of Dianthus Plumarius and Sweet William blooming the first year from seed. The flower heads resemble Sweet William in an almost unbelievable range of colors. $\frac{1}{4}$ oz., 30c; pkt., 15c.
- 2245 Vaughan's Special Mixture, Single Pinks.** The flowers are extraordinarily large and embrace colors ranging from white to pink and deep crimson. $\frac{1}{4}$ oz., 30c; pkt., 10c.

2305 Vaughan's Special Mixture of Double and Single Pinks. This magnificent mixture contains the cream of the annual pinks, both single and double. $\frac{1}{4}$ oz., 30c; pkt., 10c.

Dahlborg Daisy

(Thymophila Tenuicloba)

- 2047** Something new and different in uniformly dwarf border annuals. The thrifty little plants grow about 8 inches high and a foot wide, and are quite covered with small yellow daisy-like flowers. Absolute uniformity and early and continuous flowering are two important points in its favor. Flowers from very early to frost. Pkt., 25c.

2090 DAHLIA Vaughan's Special Mixture. This mixture contains seed from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Lilliput and Cactus varieties, also the single flowering and striped sorts. Pkt., (60 seeds) 35c

- 2065 Giant Perfection Mixed.** 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. $\frac{1}{2}$ oz., 25c; pkt., 10c.

DELPHINIUM ANNUAL—See Larkspur.
DIGITALIS (Foxglove)—See Perennial Pages.
DUSTY MILLER—See Centaurea and Cineraria



2305 DIANTHUS Vaughan's Special Double and Single Mixed. Pkt., 10c.



2415 **ESCHOLTZIA** Vaughan's Special Mixture. Pkt., 10c.

African Daisies

DIMORPHOTHECA

Culture: A or B (May 15th), D or E (March-April)

Showy annuals from South Africa, about 1 ft. tall with gorgeous, Daisy-like blooms during summer and fall. The rich orange of the type has become very popular wherever grown and so have the salmon and golden. Easy culture in ordinary well-drained soil and sunny exposure.

- 2320 **Aurantiaca**. 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc.
- 2321 —**Golden West**. Bright golden yellow.
- 2322 —**Salmon Beauty**. Soft salmon pink.
- 2324 —**White Beauty**. A pure, glistening white.

Each of the above, pkt., 10c.

2325 —**Hybrids**. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.

2326 **Ecklonis**. 3 ft. White blossoms 3 inches in diameter of velvety texture marked in the center with a rich blue or purple eye; are produced on bushes with branching stems from August, surviving light frosts. Pkt., 15c.

2328 **Ringens, Double**. A double form of the beautiful single Dimorphotheca with a blue circle around the eye. The crest or double part is grey, not blue. This is rather unique. Pkt., 25c.

2323 **Yellow Gem**. 5-6 in. A Tom Thumb variety, making a showy dwarf plant covered with large flowers of glistening yellow without zone or eye. Fine for bedding, edging or rockeries. Pkt., 25c.



2435 **EUPHORBIA** Variegata (Snow on the Mountain). Pkt., 10c.

Escholtzia or California Poppy 12 to 15 in.

Culture: A or B, D or E (March-April)

Dainty free flowering plants of easiest culture with gaily colored Poppy-like flowers with a satiny finish. Plants of low spreading growth with finely cut silvery foliage. Do well in any well drained, loose soil and sunny position. Blooms early and continues until frost.

Dwarf Erect Varieties, 1 ft. (Californica).

- 2380 **Dainty Queen**. Blush pink with ground of cream.
- 2398 **The Geisha**. Brilliant gold inside, orange-crimson outside, fluted.
- 2396 **Ramona**. Frilled edges give it the appearance of a semi-double. Golden-bronze within and coppery-rose outside.
- 2414 **Ramona Hybrids, Finest Mixed**. The flowers are beautifully frilled and fluted, the petals incurving to form a flower which at first glance appears to be double. The plants are dwarf and compact and do not make a profuse foliage.

Spreading Varieties. 1 ft. (Californica).

- 2370 **Carmine King**. Deep carmine.
- 2376 **Chrome Queen**. Soft amber buff.

2385 **Golden West**. Bright yellow with orange center.

2387 **Mandarin**. Inside orange, outside scarlet.

2392 **Mikado**. Lustrous orange-crimson.

2405 **Vesuvius**. Rich wallflower red.

Double and Semi-double Varieties.

2395 **Robert Gardiner**. Deep orange.

2410 **Double and Semi-double Mixed**.

Each of the above, pkt., 10c.

2389 **Monarch Art Shades**. A compact strain of large-flowering California poppies in mixture distinct from other types. Flowers are semi-double, the colors ranging through light rose to deep rose and carmine, and from deep golden yellow to orange and scarlet. Pkt., 10c.

2415 **Vaughan's Special Mixture**. This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence. $\frac{1}{4}$ oz., 30c; pkt., 10c.

Dolichos (Hyacinth Bean)

= 10 ft.

Culture: A or B (May 15th), D or E (February-March)

If you have a wire fence which you want covered, we know of no plant which would be more decorative than this. The flowers stand upright like hyacinth flowers on the top and peep out on either side followed by attractive seed pods.

2330 **Princess Helen (Daylight)**. Snow-white flowers, which resemble the dainty swainsonia, silvery seed pods. Oz., 30c; pkt., 10c.

2335 **Purple Soudan (Darkness)**. Rose-violet flowers, ruby-purple seed pods. Oz., 30c; pkt., 10c.

2340 **Mixed**. 1 oz., 25c; pkt., 10c.

2345 **Lignosus (Australian Pea Vine)**. A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.

Echium

Thrives in Poor Soil.

Culture: A or B.

2358 **Blue Bedder**. Deep bright blue bell flowers in compact bushy plant, 12 to 18 inches tall. Pkt., 15c.

Euphorbia 2 ft.

Culture: A or B, D or E (March-April)

2430 **Heterophylla (Mexican Fire Plant)**.

Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. $\frac{1}{4}$ oz., 25c; pkt., 10c.

2435 **Variegata (Snow on the Mountain or**

Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. Oz., 75c; $\frac{1}{2}$ oz., 40c; $\frac{1}{4}$ oz., 25c; pkt., 10c.

Gaillardia

Blanket Flower

Culture: A or B, D or E (March-April)

One of the most profuse bloomers of the flower garden. Gaillardias grow best in full sunlight. 18 in.

2465 **Amblyodon**. Deep red. Pkt., 10c.

2474 **Lorenziana Rubra**. Beautiful double red flowers. Pkt., 10c.

2475 —**Double Mixed**. $\frac{1}{4}$ oz., 25c; pkt., 10c.

2467 **Picta Aurora Borealis**. Brown, red and yellow. Pkt., 10c.

2471 —**Indian Chief**. 1 ft. The blooms are a glittering, metallic, bronzy red accentuated by a dark brown center. Dense bushy plants. Pkt., 10c.

2470 —**Single Mixed**. $\frac{1}{4}$ oz., 25c; pkt., 10c.

See also Perennial Pages.

2480 **GAURIA Lindheimeri**. 3 ft. White, flushed pink. Pkt., 10c.

2484 **GAZANIA Longiscapa**. 6 to 8 in. Golden yellow. Pkt., 15c.



2325 **DIMORPHOTHECA** Aurantiaca Hybrids. Pkt., 10c.

Gomphrena (Globe Amaranth)

18 in.

Culture: A or B (May 15th), D or E (Feb.-March)

A showy annual everlasting with clover-like heads

2506 **Globosa Alba**. 2515 **Globosa Pink**.

2510 —**Rubra**. Red. 2525 —**Mixed, all colors**.

Each of the above, pkt., 10c; 3 pkts. for 25c.

2520 **Orange**. Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 10c.



2475 **GAILLARDIA** Lorenziana, Double Mixed. Pkt., 10c.



2587 GODETIA Mixed. Pkt., 10c.

Godetia Satin Flower □

Culture: A or B, D or E (March-April)

Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil and half-shady situation.

Upright Growth, Single Flowers.

- 2570 **Duchess of Albany.** 16 in. Pure white.
- 2574 **Kelvedon Glory.** 16 in. Glowing salmon orange, of exceptional brilliance, robust and free.
- 2581 **Sybil Sherwood Double.** The flowers completely hide the foliage beneath a canopy of beautiful bright salmon pink, white edged flowers. 20c.

Gilia □

Culture: A or B (March-June), D or E (Feb.-March)

2532 Capitata (Blue Thimble Flower). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Makes a good cut flower as the blooms last well. May also be used as everlasting, retaining their color when dried. ¼ oz., 25c; pkt., 10c.

2530 Mixed. 1 ft. Exceedingly graceful, early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. Pkt., 10c.

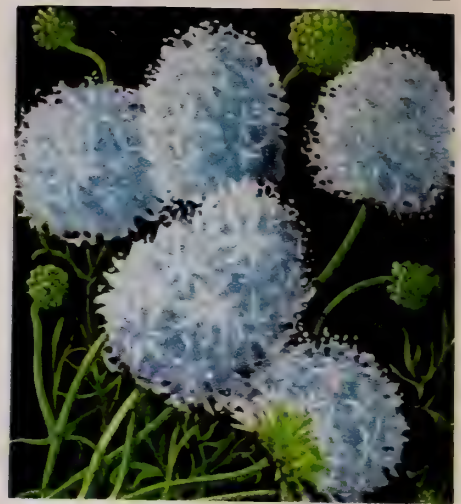
2534 Coronopifolia Mixed (Standing Cypress). 4-6 ft. Tall stems bear flowers 1½ inches long near top. Vermilion to scarlet and yellow. A biennial. Pkt., 15c.

GLOXINIA— See page 39.

Grasses Ornamental

Culture: A or B (May 15th)

2670 Ornamental Mixed. □ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. Pkt., 10c.



2532 GILIA Capitata. Pkt., 10c.

GODETIA—Continued.

Dwarf Double Azalea Flowered.

- 2577 **Sweetheart.** 12 in. Pink, cream overlay.
 - 2584 **Maiden's Blush.** 10 in. Pink, excellent for pots.
 - 2598 **Dwarf Sorts Mixed.** 10 in. Neat globular ¼ oz., 25c; pkt., 10c.
 - 2587 **Many Types and Colors Mixed.** ¼ oz., 25c; pkt. 10c.
- Each of the Godetia, except noted otherwise, pkt., 10c.

GLADIOLUS seed is not offered. Our customers prefer to purchase bulbs and for these we have an enormous demand. We grow several hundred acres on our farms and each year introduce several outstanding novelties.



GOURDS, Varieties Illustrated are, 1. Bottle Miniature (2607); 2. Ornamental Pomegranate (2630); 3. Large Dipper (2610); 4. Bird's Nest (2603); 5. Hercules' Club (2618); 6. Turk's Turban (2645); 7. Spoon (2643); 8. Warted (2646); 9. Apple Striped (2601); 10. Apple-Shaped (2600); 11. Sugar Trough (2640); 12. Orange (2627); 13. Calabash (2608); 14. Nest Egg (2625); 15. Pear-Shaped (2635). Each, Pkt., 10c.

Gourds

Culture: A or B (May 20th), D or E (March-April)
Large Gourd fruits make attractive decorations at harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others. Leaflet on culture sent free if asked for with order.

2660 GOURDS Vaughan's Special Mixture. All shapes and sizes of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. A bonanza for collectors. 1 oz., 40c; ½ oz., 25c; pkt. 15c

SMALL FRUITED

- 2600 **Apple-Shaped.** Small fruits
- 2601 **Apple Striped.** Beautifully striped.
- 2607 **Bottle Miniature.**

SMALL FRUITED—Continued.

- 2625 **Japanese Nest Egg.** Practical nest eggs.
 - 2627 **Orange.** The well known Mock Orange.
 - 2630 **Ornamental Pomegranate or Queen's Sweet Pocket Melon.** Fruit deliciously perfumed and may be carried in the pocket or laid among linens.
 - 2634 **Pear Bicolor.** Small fruit.
 - 2635 **Pear-Shaped.** Striped yellow and green.
 - 2643 **Spoon.** Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made
 - 2647 **Turk's Turban.** Small red.
 - 2648 **Turk's Turban.** Small red and green.
 - 2646 **Warted Sorts Mixed.**
- Each of the above, pkt., 10c; any 3 pkts., 25c.
- 2650 Small Fruited Varieties Mixed.** Oz., 40c; ½ oz., 25c; pkt., 10c.

LARGE FRUITED

- 2599 **Acorn.** Large ornamental yellow.
- 2603 **Bird's Nest.** For bird houses.
- 2602 **Bishop's Mitre.** Three colored, shaped like Bishop's crown

LARGE FRUITED—Continued.

- 2605 **Bottle.** Large. The original Thermos bottle. Makes fine bird-houses.
- 2608 **Calabash or Pipe Gourd.** Odd-shaped fruit which is used in making pipes.
- 2610 **Dipper.** Fruit makes an excellent dipper and may be used for birds' nests.
- 2615 **Dishcloth or Towel. Luffa Acutangula.** The fruit is eaten when young, being cooked like squash. Many women prefer a dishcloth made of this Gourd.
- 2617 **Green Snake.**
- 2618 **Hercules' Club.** Fruit grows 3 to 4 ft. long
- 2621 **Malabar Melon.** Green striped fruits, 8-10 inches long with edible pulp.
- 2640 **Sugar Trough.** Thick shells, very durable
- 2645 **Turk's Turban.** Odd brightly colored fruit. Each of the above, pkt., 10c; any 3 pkts., 25c.
- 2651 **Large-Fruited Sorts.** Mixed. Oz., 40c; ½ oz., 25c; pkt., 10c.

GOLDEN FLOWER OF THE INCAS— See Tithonia.



2680 GYPSOPHILA Elegans Grd. Alba. 10c.

Gypsophila □

Culture: A (March 1st on)

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases. 2 ft.

2680 Elegans Grandiflora Alba (Angel's Breath). The London Market Strain. 1½ ft. This is an improved large-flowering, 8-9 overlapping petal strain, pure white, of free, easy growth. Several sowings should be made during the season. Lb., \$3.00; 4 oz., 80c; oz., 30c; ½ oz., 20c; pkt., 10c.

2682 Elegans Vivid Rose. ¼ oz., 25c; pkt., 10c.

2683 —Crimson. ¼ oz., 25c; pkt., 10c.

2686 —Mixed. ¼ oz., 25c; pkt., 10c.

2690 Muralis. 6 in. A lovely little rock or edging plant with rose-pink flowers. Pkt., 10c.

HAWKWEED—See Crepis.

HELIANTHUS—See Sunflower.

Heteropappus □

Culture: A or B (May 1st-June 15), D or E (Feb.-May)

2833 Hispidus. 2 ft. Bushy plants are covered with aster-like flowers 1½ inches across of silvery lavender blue, in lovely contrast with yellow centers. Pkt., 25c.



2842 HOLLYHOCK Indian Spring. Pkt., 25c.

Helichrysums and Other Everlastings

Culture: D or E (February-March), A or B (May 15th-June 15th)

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets.

To grow unusually large flowers, disbud as you would with dahlias, allowing only one bud to remain on each stem.

- 2775 Fire Ball. 2770 Silver Ball.
- 2780 Golden Ball. 2771 Silvery Pink.
- 2785 Rose Queen. 2795 Violet Queen.
- 2790 Salmon Queen.

Each of the above, pkt., 10c; any three pkts. for 25c.

2800 Mixed, all colors. Pkt., 10c.

2812 Dwarf Double Mixed. 1½ ft. A splendid mixture of the dwarf growing varieties. Fine for bedding as it does not need staking. Pkt., 10c.

Other Annual Everlastings

Culture: A or B (April-June), D or E

- 150 Acroclinium Roseum. Double. 2 ft. 10c.
- 295 Ammobium Alatum Grand. Pkt., 10c.
- 2525 Gomphrena. Mixed, all colors. Pkt., 10c.
- 4540 Rhodanthe. Mixed colors. Pkt., 10c.
- 4683 Salvia Farinacea Blue Bedder. Pkt., 10c.
- 4795 Statice Russian (Suworowii). Pkt., 15c.
- 4800 —Bonduellii Superba. Yellow. Pkt., 10c.
- 4801 —Sinuata Rosea Superba. Pkt., 10c.
- 4803 —Sinuata Kampf's Improved True Blue. Pkt., 15c.
- 5849 Xeranthemum Double Mixed. Pkt., 10c.
- 2440 Everlastings Mixed. 1 to 2 ft. A mixture of all varieties we list. Pkt., 10c.

Hollyhocks (Annual) □ 5 ft.

Culture: A or B, D or E (March and April)

The perennial varieties flower only the second year if grown from seed; these annual kinds, however, bloom the first year, and if sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May, they will bloom in July.

- 2845 Everblooming Double Mixed. Double and semi-double. ½ oz., 25c; pkt., 10c.
- 2840 Everblooming Single Mixed. Large single flowers, exhibiting every shade known in Hollyhocks. ½ oz., 25c; pkt., 10c.
- 2842 Indian Spring. If sown in February it will bloom freely in early August, producing flowers of varying attractive bright rose and rosy-carmine semi-double. It grows a central stem which may attain six feet in height. Flowering branches are produced freely. Both stem and branches bear flowers. Awarded silver medal in 1939 All-America trials. Pkt., 25c.

(For others, see Perennial List.)

HONESTY—See Lunaria in Perennial Pages.

2847 HONEY PLANTS, Mixed. A special mixture of the various bee loving plants. Pkt., 25c.

Humulus □ =
(Japanese Hop)

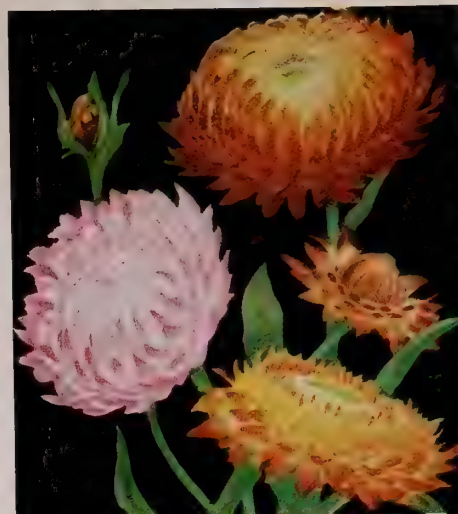
Culture: A or B (May 15th), D or E (March-April)

Rapid climber; foliage luxuriant, making a dense covering for verandas, trellises, etc. Heat, drought and insects do not trouble it.

2850 Green Leaved. ¼ oz., 25c; pkt., 10c.

2855 Variegated Leaved. Leaves beautifully variegated white, green and yellow. ¼ oz., 25c; pkt., 10c.

HYACINTH BEAN.—See Dolichos.



2810 HELICHRYSUM (Straw Flowers) Vaughan's Special Mixture. Pkt., 15c.

2810 STRAW FLOWERS Vaughan's Special Mixture of Helichrysums.

This is a balanced blend of the varieties listed and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. It will produce material for many novel and attractive combinations for decorating the home. ¼ oz., 25c. Pkt. 15c

Impatiens (Zanzibar Balsam)

÷ □ 1½ ft.

Culture: A or B (May 20th), D or E (Jan.-July)

One of the prettiest plants for pot culture and also for outdoor planting in a half shaded situation. Remarkable for its long duration of bloom.

- 2875 Holstii. Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 15c.
- 2880 Holstii Hybrids. Range from pink through red shades to purplish-violet. Pkt., 15c.
- 2874 Liegnitzia. 10 in. Dwarf, free flowering vermilion. Pkt., 25c.
- 2881 Sultani. Bright rose. Pkt., 15c.
- 2882 Sultani Hybrids. Colors range from pale pink to dark crimson. Pkt., 15c.

Special Mixture of Annuals for Cut Flowers

No. 1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged, as the more one cuts the more one has, the secret being not to allow any seed pods to form. Lb., \$5.00; ¼ lb., \$1.50; oz., 50c; ½ oz., 30c; pkt., 15c.



2820 HELIOTROPE Mammoth Mixed. 15c.

Fragrant Heliotrope

Culture: A or B (May 15th), D or E (Feb.-April)
Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seeds sown in the spring make fine plants for bedding out, and are as easily grown as Verbenas. 2 ft.

- 2825 **King of the Blacks.** Deep purple. Pkt., 15c.
2826 **Madam Bruant.** Dwarf variety with violet-blue flowers with white eyes. Very distinct, good for bedding. Pkt., 15c.
2824 **Queen Marguerite.** 2 ft. Very large umbels of dark blue flowers. One of the finest. Pkt., 15c.
2827 **White Lady.** A large flowering pure white variety. Very fragrant. Pkt., 15c.
2830 **Fine Mixed.** Pkt., 10c.
2820 **Mammoth Mixed.** Large flowers ranging from dark blue to lilac. Pkt., 15c.

Jewel Flower

Culture A or B (March-April)

- 2961 **Leptosiphon French Hybrids.** Charming little plants, about 5 in. tall, covered during the summer with small star-like blooms in many attractive shades. Pkt., 10c.

KISS-ME-OVER-THE-GARDEN-GATE —
See Polygonum Orientale.

KUDZU VINE—See Pueraria.

Kochia—Burning Bush

Culture: A or B (May 15th), D or E (February-April)

- 2965 **Childsii.** □ 2½ ft. It resembles a close-clipped ornamental evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. Oz., 25c; ½ oz., 15c; pkt., 10c.

Leptosyne □

Culture: A or B (March-July)

- 3011 **Golden Rosette.** 18 in. A double form. perfect rosettes of bright yellow. Blooms in 10 weeks. Pkt., 25c.
3010 **Stillmanii.** 1½ ft. One of the quickest flowering annuals, blooming within five weeks from date of sowing, and the golden yellow cosmos-like flowers continue in perfection for a long period. Excellent for cutting. Pkt., 10c.
3015 **Maritima (Sea Dahlia).** 20 in. A cliff plant from California with graceful feathery foliage and large Dahlia-like flowers, yellow with golden center. Fine for cutting. Treat as a half-hardy annual and give a sunny situation. Pkt., 10c.

Linum □

Culture: A or B (March-June)

Round flowers 1 inch or more across, and while they last unfortunately only one day, new blooms appear every morning. Plants grow 15 to 18 in. tall and come into bloom very early.

- 3019 **Grandiflorum Coeruleum (Blue Flax).** 1½ to 2 ft. Dainty flowers of pale blue. Pkt., 10c.
3020 **—Rubrum (Crimson Flax).** 2 ft. Brilliantly colored summer annuals, glowing crimson-rose. May be had in bloom from May to October by successive sowings. Pkt., 10c.

Santa Barbara Poppy

Hunnemannia

*Culture: A or B, D or E
(March and April)*

- 2860 **(Bush Escholtzia, or Santa Barbara Poppy).** □ 1½ ft. The plants grow into shrubby bushes, producing their large cup shaped flowers 3 in. across on stems 12 in. long. The petals are broad and crinkled. Does best in well limed sandy soil. Oz., 80c; ¼ oz., 25c; pkt 10c.

- 2861 **Sunlite.** Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days as a cut flower. ¼ oz., 50c; pkt., 15c.

- 2890 **IONOPSISIDIUM Acaule (Violet Cress).** □ 4 in. Sow between stepping stones. Pkt., 10c.

Kaulfussia Amelloides

Culture: A or B (April-June), D or E

- 2970 □ 6-12 inches. Dwarf, bushy plants with blue aster-like flowers sometimes with yellow disc, easy to grow. A fine rock plant. Pkt., 10c.



2975 LANTANA Hybrida Mixed. Pkt., 10c.

Lantana

Culture: D or E (February-April)

- 2975 **Hybrida, Mixed.** +2 ft. Plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c.

- 2980 **Dwarf Hybrids.** Mixed. Pkt., 15c.

Lavatera Annual Mallows □

Culture: A or B (March-June)

Showy and effective plants, covered during the entire summer with large gay flowers. For large borders and cutting they are very desirable. 2½ ft.

- 2985 **Splendens Alba.** Silky, pure white. ¼ oz., 25c; pkt., 10c.

- 2991 **—Mixed.** Pkt., 10c.

- 2989 **—Sutton's Loveliness.** Bronzy foliage, glowing rose-pink flowers ¼ oz., 25c; pkt., 15c.

LAVENDER LACE FLOWER—See Didiscus.

LOBELIA CARDINALIS and LOBELIA SYPHILITICA—See Perennial Pages.

LYCHNIS—See Perennial Pages.



2861 HUNNEMANNIA Sunlite. Pkt., 15c.

Linarias (Baby Snaps) □

Culture: A or B (March-June)

This is a hardy annual with small dainty flowers resembling miniature Snapdragon and in addition each flower has a long Columbine-like spur. It makes a nice cut flower and the clumps form an interesting feature of the annual border. Blooms in about eight weeks from seed. To get the best results seed should be sown thinly, the seedlings thinned out to about 18 inches. 12 to 18 in.

- 3028 **Chamois.**

- 3031 **Golden Gem.**

- 3033 **Snow White.**

Each of the above, pkt., 10c; any 3 pkts. for 25c.

- 3039 **Fairy Bouquet.** In mixed colors like Moroccan hybrids, except that this new strain is greatly improved by more compact growth, eight inches tall, and with extra large flowers of a great variety of distinct colors, such as rose, yellow, pink, lavender, carmine, red, violet, white and salmon. ¼ oz., 30c; pkt., 15c.

- 3034 **Maroccana Hybrida Excelsior, Mixed.** Colors range through crimson and gold, pink, mauve, dark blue and chamois and rose, with many lighter art shades. ¼ oz., 25c; pkt., 10c.



3039 LINARIA Fairy Bouquet. Pkt., 15c.

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. Real treasures for cutting. Perfectly hardy. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator.

Culture: A or B, D or E (March or April)

Double Giant Imperial (Base Branching).

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

- 2151 Blue Bell.** Is a fine medium blue larkspur, deeper than sky blue, yet much lighter than lilac.
- 2158 Blue Cockade.** 45 in. Rich lilac blue.
- 2166 Blue Spire.** Deep Oxford blue.
- 2152 Carmine King.** Deep carmine rose.
- 2171 Coral King.** Blush pink with a strong suffusion of coral which grows deeper.
- 2153 Daintiness.** Delicate lavender.
- 2172 Dazzler.** 4-5 ft. A rich scarlet base.
- 2155 Exquisite Pink Improved.** Soft pink shaded salmon.
- 2173 Gloria Improved.** A rich deep rose-salmon.
- 2167 Lilac Spire.** Lilac.
- 2156 Los Angeles.** A shade between salmon and rosy scarlet.
- 2157 Miss California.** Deep pink shaded salmon.
- 2175 White King.** Pure glistening white with rounded broad petals. The florets are 2 inches across.
- 2168 White Spire.** Dazzling pure white.
- 2159 Giant Imperial Mixed.** The above and others.

Each of the above, oz., \$1.40; ¼ oz., 40c; pkt., 15c; any 3 pkts. for 35c; any 6 pkts. for 60c.

Double Stock Flowered 3 to 4 ft.

- 2120 Dark Blue.**
- 2124 Empress Rose.** A rich pink changing to hermosa pink.
- 2129 La France.** A pleasing salmon-pink.
- 2131 Lilac Supreme.** Deep lilac.
- Each of the above, oz., \$1.00; ¼ oz., 30c; pkt., 10c. Any 3 pkts. of the above, 25c; any 6 pkts., 50c.
- 2150 Stock Flowered Mixed.** All colors. Oz., 60c; ¼ oz., 20c; pkt., 10c.
- 2135 Lustrous Carmine. (Newport Pink.)**
- 2138 Rosamond.** A pure rose color.
- 2139 Rose Queen.** Deep rose-pink.
- 2140 Sky-Blue.**
- 2145 White.**

CHINESE LARKSPUR (Delphinium Chinensis).

The Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual; though it is a hardy perennial and plants will last many years. Fine for beds and border masses.

- 7510 Chinese Blue Butterfly.** 18 in. Deepest blue. Pkt., 15c.
- 7520 —Blue.** 2-3 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. Pkt., 10c.
- 7525 —Album.** 2-3 ft. Pure white. Pkt., 10c.
- 7522 —Cambridge Blue.** 2 to 3 ft. This variety is a really good light blue, far surpassing Belladonna in brilliancy. Pkt., 25c.
- 7526 —Tom Thumb Ultramarine.** 1 ft. A pretty dwarf species, with beautiful flowers in open panicles in ultramarine blue. Pkt., 15c.
- 7530 —Mixed.** Pkt., 10c.

Lobelias for Edging

Culture: D or E (Feb.-April), A or B (May 15th on)

Dwarf Varieties

The compact class form bushy plants fairly sheathed with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.

- 3040 Bedding Queen.** 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. ½ oz., 50c; pkt., 10c.
- 3041 Blue Gown.** Clear deep blue, without eye, fine compact habit. Pkt., 25c.
- 3042 Blue Stone Re-Selected.** Compact habit, large flowers of brilliant mid-blue. 4 in. Pkt., 25c.
- 3053 Cambridge Beauty.** Large light blue flowers, green foliage. Pkt., 25c.
- 3045 Crystal Palace Compacta.** 4 in. Deepest blue, dark foliage. ½ oz., 40c; pkt., 10c.
- 3055 Dwarf Pink.** Pkt., 10c.
- 3054 Opal.** Large flowered, rich opal blue, compact habit. Pkt., 25c.
- 3056 Snowball.** White. Pkt., 10c.
- 3067 Tenuior.** 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt., 15c.
- 3070 Mixed Colors.** ¾ oz., 25c; pkt., 10c.

Trailing Varieties

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

- 3051 Prima Donna.** 10 in. Velvety crimson. Pkt., 10c.
- 3065 Sapphire.** Large, deep blue flowers, with a pure white eye. Pkt., 15c.
- 3060 Speciosa.** 10 in. Dark blue, dark foliage. Pkt., 10c.

- 3215 MAURANDIA Mixed.** Pkt., 10c.

MOSS ROSE—See Portulaca.

Try a packet of *Leptosyne Stillmanii*. It is a quick growing yellow flowering annual and you will like it.



3040 LOBELIA Bedding Queen. Pkt., 10c.



- 2170 LARKSPURS** Vaughan's Special Annual Mixture. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. They should be grown in good rich well-manured soil, and in a full sunny position. The plants, moreover, should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., \$1.00; ¼ oz., 30c; pkt. . . . 10c

Marvel Of Peru (FOUR O'CLOCKS)

Culture: A or B (May 15th-June), D or E (Feb.-Mar.) Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. It will result in larger plants, stronger, with more flowers.

- 3307 Lilac.** **3309 White.**
- 3305 Red.** **3308 Yellow.**
- 3306 Rose.**
- Each of the above, ¼ lb., 75c; oz., 30c; pkt., 10c.
- 3310 Sweet-Scented.** 28 in. White. Pkt., 10c.
- 3297 Dwarf Mixed.** 1 ft. Pkt., 10c.
- 3290 Mixed Colors.** Lb., \$1.00; ¼ lb., 35c; 1 oz., 15c; pkt., 10c.

Matricaria

Culture: D or E (Feb.-March), A or B (April-June)

- 3205 Capensis Fl. Pl. (Feverfew).** 3 ft. Neat, small, double white flowers, well adapted for borders, beds and cutting. They are perennial, but may be treated as annuals. Pkt., 10c.
- 3208 Golden Ball.** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.
- 3209 Snowball.** 10 in. Profuse blooming bedding plant, double white flowers. Pkt., 10c.



3314 **MICROSPERMA** Golden Tassel.
Pkt., 25c.

3314 **Microsperma**, "Golden Tassel." It forms a compact plant 8 to 9 inches high of perfect shape with handsome light green foliage strikingly like that of a Chinese Primula. The upright-growing bright chrome yellow flowers, consisting of a graceful five-lobed trumpet-shaped corolla 2 inches across, are adorned with a multitude of similarly colored stamens, which add greatly to their beauty and give them an original charm. This beautiful plant is admirably suited for greenhouse decoration and will also do well in the open border. Sowings should be made in heat about the end of February to March, the seedlings re-potted and put out of doors at the end of May. Pkt., 25c.

Mimosa (Sensitive Plant)

□ 1 ft.

Culture: D or E (Feb.-April), A or B (May 15th)

3270 A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Pinkish white flowers. Pkt., 10c.



3105 **LUPINUS** Tall Annual Mixed. Pkt., 10c.

Most Fragrant of Annuals

Mignonette (Reseda) □

Culture: A or B (March-June)

A well-known, old-fashioned flower of no great beauty, but highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom, thinning them to a foot or more apart.

3225 **Bismarck**. 1 ft. The red flowers are large, the spikes dense, foliage crinkly, while its powerful fragrance is delicious. Pkt., 10c.

3236 **Giant Rocket**. 2 ft. The largest and most robust variety. The flowers are wonderfully fragrant and many plants carry 50 to 60 spikes of bloom, each 14 to 18 inches long. ¼ oz., 30c; pkt., 10c.

3234 **Golden Goliath**. Deep golden yellow flowers. Pkt., 15c.

3245 **Machet**. 15 in. It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. ¼ oz., 25c; pkt., 10c.

3260 **Mixed**. Many shades and types. Oz., 40c; ½ oz., 25c; pkt., 10c.

Sow Also For Fragrance EVENING SCENTED STOCK

Culture: A or B (March-June)

3212 **Matthiola Bicornis**. □ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a distance. 1 oz., 30c; pkt., 10c.

Mimulus □

Culture: D or E (February-March)

3275 **Moschatus (Musk Plant)**. 10 in. Trailing plant for damp, shady places. Small yellow flowers, without odor. Fine for the rock garden. Pkt., 25c.

3281 **Red Emperor**. A gem for the border and rockery, bright crimson scarlet, very free flowering and of compact habit. Pkt., 25c.

3280 **Tigrinus (Monkey Flower) Queen's Prize, Single Mixed**. 1 ft. Dwarf bushy plants, with large Gloxinia-like flowers. Pkt., 10c.

Annual Lupines □

Culture: A or B (March-June), D or E (March-April)

Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers, richly and variously colored. The fine, dark, glossy foliage of the Lupin makes an admirable foil and background for the long spikes of bloom; prefers a little shade. 2 ft.

3095 **Annual Yellow**. Beautiful canary yellow

3075 **Hartwegii, White**. Pure white flowers.

3085 **—Cambridge Blue**. Sky blue.

3080 **—Oxford Blue**. Dark blue.

3090 **—Tricolor Rose Queen**. Rose colored flowers.

King or Giant Hartwegii. 3 to 4 ft. Base branching plants, each bearing six to eight large flowers.

3076 **King, Dark Blue**. Rich Oxford blue striped white.

3078 **King, Sky Blue**.

3077 **King, White**.

3079 **King, Mixed**.

3100 **Subcarnosus (Texas Bluebonnet)**. 15 in. Charming bushy plants. The flowers are of a delightful blue, with a distinct heart shaped blotch or eye of deep rosy flesh.

Each of the above, pkt., 10c; any 3 pkts. for 25c.

3110 **Dwarf, Annual Sorts Mixed**. 1 ft. Pkt., 10c

3105 **Tall Annual Sorts, Mixed**. 1 oz., 30c; pkt., 10c.

See also Perennials and Novelties.



3245 **MIGNONETTE Machet**. Pkt., 10c.

Mesembryanthemum (Ice Plant) □

Culture: A or B (April-June), D or E

2870 **Crystallinum (Fig Marigold) or Ice Plant**. 8 in. Foliage glitters, being covered with ice-like globules; flowers, small, pinkish-white. A valuable plant for dry, sandy spots on banks, rockwork and sunny borders. Pkt., 10c.

3292 **Criniflorum (Livingstone Daisy)**. Plants of slightly spreading daisy-like flowers, 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor soil. Pkt., 25c.

Mexican Cup (Anoda) □ 4 ft.

Culture: A in May or D (March-April)

3223 **The Opal Cup**. Luxuriantly growing plant bearing cup-shaped flowers 2¼ inches across, of changeable coloring, blue lavender in shadow, pink in sun. Flowers in five weeks from seed and continues until frost, forming bush a yard in circumference. Pkt., 25c.

3221 **The Snow Cup**. The blossom-cups are as white as new snow. Keep the plants well spaced for best effect, and wait until it gets into its full swing of blossoming before you judge it. Then you will like it. Blooms for a full five months, providing, of course, that hard freezing does not come. Pkt., 25c



3411 **NIEREMBERGIA Hippomanica**. Pkt., 25c. Plants, 3 for 85c

Nierembergia

Culture: A or B (May 15th-June), D or E (March-April)

3411 **Hippomanica**. Grows not more than 4 to 6 inches high, forms a cushion of elegant light green foliage from which emerge corymbs of silvery shaped flowers of a delicate lavender hue, 1 to 1½ inches across, adorned with a clear yellow eye. Blooms the entire summer. Pkt., 25c. Plants, 3 for 85c

3410 **Gracilis**. □ 6 in. White flowers, graceful plant for rockwork, etc. Pkt., 10c.

Marigolds Modernized

Culture: A or B (May 15th-June), D or E (Feb.-April)

Marigolds are most intriguing. First there were the original tall African and dwarf French sorts, then a miracle occurred and suddenly there appeared new types and colors. Instead of the usual pungent odor of the Marigold, these were without odor or with a definitely sweet fragrance. In the new types we have the loose-petaled or carnation variety like the Guinea Gold and Yellow Supreme. The Harmony with its Scabiosa-like center of golden yellow bordered with maroon. The huge flowers of the Dahlia-flowered Sunset Giants, besides all the smaller flowered varieties. They bloom from midsummer to frost and afford a wealth of color that is invaluable.

If blooms are required for exhibition, not more than four branches should be allowed on each plant, and only one bloom on each branch.

3138 Carnation Flowered Golden Eagle. Closely related to Guinea Gold, same habit, height and form of flower, but the color is luminous gold. The plants come 100% double and Marigold odor is practically lacking. Early flowering. Pkt., 15c.

3142 Dahlia Flowered Sunset Giants. 3 1/2 to 4 ft. Flowers 7 1/2 inches in diameter are sometimes produced by plants of this giant strain, largest of all marigolds. The average size is less, but still exceptionally large. Color varies, yellow and orange. Plants are vigorous with heavy stems, flowers 60% double. Pkt., 15c.

3140 Vaughan's Chrysanthemum Flowered Hybrids. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Some have quilled and incurved petals, others flat carnation-type flowers, all borne freely on stems fine for cutting. Pkt., 15c.

3123 Guinea Gold. 2 to 2 1/2 ft. The original carnation-flowered type, producing flowers 2 to 2 1/2 inches across, of brilliant orange flushed with gold. Practically 100% double. The characteristic Marigold odor is less pungent. This is an early flowering sort. 1/8 oz., 25c; pkt., 10c.

3174 Harmony. A remarkable break which differs from others in habit, shape, and coloring. Flowers, in form suggesting a Scabiosa, are a bright golden-yellow bordered with a rich maroon-red. The plants are about 12 inches high, and very bushy habit. Oz., \$2.00; 1/4 oz., 60c; 1/8 oz., 35c; pkt., 15c.

3121 Sunshine. The flowers are large and ball-shaped, composed of five-petaled florets, gracefully interlocking; fringed in effect. The color is brilliant golden yellow. Flowers are 100% double and bloom by August 15. The plants are tall and bushy. Pkt., 15c.

3124 Yellow Supreme. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, of true "carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 10c.



3124 MARIGOLD Yellow Supreme. Pkt., 10c.

Covering for Graves.

If seeds are used the most satisfactory is *Ageratum Imperiale* Dwarf Blue, in center, edged with *Alyssum Little Gem*. Or, *Portulaca*, in center, either in separate colors or mixed, edged as above with *Alyssum Little Gem*. All of these will do well with very little care or attention and are particularly good in sunny locations.

Dwarf French Double Sorts 10 in.

- 3164 Dark Brown.
3165 Gold Striped.
3167 Gold Ball.
3168 Lemon.
3166 Robert Beist. A warm shade of shining purple scarlet.
3169 Yellow Spotted Brown.
3170 Yellow with Brown Margin.
Each of the above, packet, 10c.

3171 Monarch Strain of Dwarf French, Double Mixed. Symmetrical compact habit, comprising a wide range of fine colors including orange, bronze and mahogany. Oz., \$1.00; 1/4 oz., 35c; 1/8 oz., 25c; pkt., 10c.

3172 Monarch Strain Re-Selected Golden Ball. It has exceptionally large flowers for a French variety; is intensely double and the deepest orange color. Pkt., 15c.

3158 Dwarf French All Double Early Flowering Mixed. This is a mixture we make ourselves of four fine Improved Marigolds. They are early flowering and All Double. Pkt., 15c.

3160 Mixed (Pride of the Garden). 15 in. Immense golden yellow flowers compact dwarf habit, forming dense bushes. An African type. Pkt., 10c.

Single Dwarf Varieties

- 3178 Fire Cross (Improved Legion of Honor). The ground color is a deep orange-yellow, while each of the eight petals carries a large crimson-maroon blotch. Pkt., 10c.
3180 Gilt Edge. 8 in. Velvety maroon, edged with yellow. Pkt., 10c.

A Golden Shower

3200 Mexican Marigold (Signata Pumila). 10 in. A miniature type forming compact plants completely covered with bright yellow flowers with brown stripe down the center of each petal. 1/4 oz., 30c; pkt., 10c.

Lilliput Dwarf Double

Bushy plants covered with small flowers excellent for edging. 8 in.

- 3161 Brown. 3163 Sulphur.
3162 Golden. 3163A Mixed.
Each of the above, 1/4 oz., 35c; pkt., 10c.

3175 MARIGOLD Vaughan's Special Mixture of Dwarf Double and Single Varieties. These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. 10c
1/4 oz., 20c; pkt., 10c

3150 MARIGOLD Vaughan's Special Tall Mixture. This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color. 15c
1/4 oz., 50c; pkt., 15c

Double Tall African 30 in.

- 3134 Alldouble Orange. Exactly like tall African Orange Queen in size and color and comes about 90% double from seed. 1/8 oz., 40c; pkt., 15c.
3133 Alldouble Lemon. Yellow, same as preceding only the color is light yellow, about 90% double. 1/8 oz., 40c; pkt., 15c.



3142 MARIGOLD Dahlia Flowered Sunset Giants. Pkt., 15c.

DOUBLE TALL AFRICAN—Continued.

- 3182 Mrs. Lippincott. 3 ft. A distinctly novel type of flower, with petals flaring at the ends, giving a frilled effect. Rich creamy yellow flowers 2 1/2 in. across. Pkt., 15c.
3130 Lemon Queen. These are lemon color, otherwise exactly like the Orange Queen. 1/8 oz., 25c; pkt., 10c.
3135 Orange Queen. Large, perfect, double quilled flowers of a rich, deep, golden orange. 1/4 oz., 25c; pkt., 10c.
3126 Prince of Orange. True fistulosa type. Bright orange. Stiff stemmed. Pkt., 15c.

Double Tall French 24 in.

- 3144 Dark Brown. 10c. 3146 Lemon Yellow. 10c.
3147 Striped (Royal Scot). 24 to 30 in. The large, well-formed double flowers are mahogany and gold in symmetrical stripes which radiate from the center of the flower. Pkt., 10c.
3148 Double Tall French, Mixed. Pkt., 10c.

Single Tall French

- 3157 Josephine. 2 ft. Dark maroon-brown with an edging of old gold, petals of rich velvety texture, borne on long stems. Flowers are fine for cutting and win many prizes in arrangements. Pkt., 10c.
3186 Flaming Fire. 2 1/2 ft. The long stemmed, brightly colored, large single flowers, 2 in. across, at times are flaming red, at other times red and yellow. Plants bloom in about 12 weeks. Pkt., 15c.



3174 MARIGOLD Harmony. Pkt., 15c.

Morning Glories and Moonflowers



2941 MORNING GLORY. Clark's Early Flowering Heavenly Blue. Pkt., 15c.

Culture: A or B (May 15th), D or E (February-April)

Beautiful rapid annual climbers. Foliage very dense and, in some kinds, of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant.

Heavenly Blue Morning Glory

2941 Clark's Early Flowering. One of the few flowers of true blue and probably finest of all morning glories. Flowers measure $3\frac{1}{2}$ to 4 inches across, beautiful sky blue color which shades at the center to a golden throat. They blossom profusely and for a long season, opening in the morning and facing the sun. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot, in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun and do not overfeed as this may limit flowers. Sow in gravelly, sandy soil and give southern exposure. Oz., \$1.00; $\frac{1}{4}$ oz., 40c; pkt., 15c.

Day Flowering Ipomoeas

2900 Coccinea (Star Ipomoea). Small scarlet flowers in great profusion. Pkt., 10c.

2950 Setosa (Brazilian Morning Glory). Leaves are 9 inches across; flowers 2 inches, tinted pink with a star of satiny pink, curious seed pods. Pkt., 10c.

1900 Mixed, all colors. 1 lb., \$1.00; $\frac{1}{4}$ lb., 30c; 1 oz., 15c; pkt., 10c.

1905 Double Mixed. The flowers are double and semi-double and some are fringed. Pkt., 10c.

2942 Heavenly Blue Improved. Similar to Heavenly Blue, from which it was developed, this improved strain is in all respects superior to the old. The color is a deep sky blue, shading lighter toward the center; the flowers are large and freely produced and the plants flower early and continue throughout the summer. It is also much earlier flowering and the flowers remain open to six o'clock in the evening on cloudy days. Pkt., 25c.

2945 Double Rose Marie. Double, deep rose flowers. Early and free-blooming. Pkt., 15c.

2948 Scarlett O'Hara. Gold Medal winner of 1938 and 1939 "All-America Award." Vaughan's Re-selected strain is a distinct improvement as it flowers earlier than the original type and has the ability to climb without assistance. A sensational climber, stunning $3\frac{1}{2}$ -in. flowers of a soft velvety scarlet. The bright color is carried well down the throat, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts and the foliage is quite distinct, each leaf having one large and two small side lobes. Pkt., 15c.

Dwarf Morning Glory (Convolvulus). 1 ft.

Culture: A or B (April-June), D or E

Showy hardy annuals for beds and borders, also rockwork; they bloom for a long period and delight in sun.

1919 Dwarf Blue. Beautiful blue flowers on a dwarf bushy plant, a good match for Heavenly Blue. Fine for edging or rockwork. Oz., 25c; pkt., 10c.

1921 Dwarf Rose. Exactly like above but a lovely rose color. Oz., 25c; pkt., 10c.

1920 Mixed, all colors. 1 oz., 15c; pkt., 10c.

Night Flowering

IPOMOEA (Moonflower) = 20 ft.

2895 Bona Nox (Evening Glory). Violet flowers. Pkt., 10c.

2905 Mexicana Grandiflora Alba (White Moonflower). Covered with large white flowers every evening and cloudy day. Seeds should be started inside. Oz., 50c; pkt., 10c.

2910 Giant Pink. Soft lilac-pink flowers. Pkt., 10c.

CONTROL DAMPING OFF

Treat your seedlings with Semesan. It is very easily applied and will save you a lot of grief in loss of plants. Full direction with every package.



2948 MORNING GLORY Scarlett O'Hara. Pkt., 15c.



2901 MORNING GLORY Giant Cornell

The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. Pkt. 20c



2925 JAPANESE MORNING GLORIES

Vaughan's Special Mixture. The colors run from snow-white through all tones of blue, red, and purple. Sun-loving plants do best when protected from north and west wind. 1 oz., 30c; $\frac{1}{2}$ oz., 20c; pkt. 10c

2915 Imperialis (Japanese Morning Glory), Fine Mixed. 1 oz., 20c; $\frac{1}{2}$ oz., 15c; pkt., 10c

See also Novelties.



2945 IPOMOEA Double Rose Marie Pkt., 15c



2905 WHITE MOONFLOWER. Pkt., 10c.



3340 MYOSOTIS Victoria Azure Blue. 10c.

Myosotis Forget-Me-Nots □

Culture C (June-Sept.), Set out (Sept., Oct.)

Will bloom the first year from seed, so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting. 1 ft. tall.

- 3320 **Alpestris Blue.** Trailing habit. Pkt., 10c.
 3325 —**Alba.** White. Pkt., 10c.
 3322 —**Blue Basket.** Best deepest blue. Pkt., 20c.
 3321 —**Blue Eyes.** Bright blue with white eye, large, early. Pkt., 15c.
 3328 —**Indigo (Sutton's Royal Blue).** Pkt., 10c.
 3331 —**Messidor.** Deep blue flowers on long stems. Late blooming. Pkt., 15c.
 3330 —**Rosea.** Pink. Pkt., 10c.
 3345 —**Mixed.** ½ oz., 25c; pkt., 10c.

The **Bouquet** type is a compact upright grower of the pillar or column type, blooms so freely the plants are completely smothered with flowers. 1 ft

- 3350 **Blue Bouquet.** Royal blue color.
 3351 **Indigo Blue Bouquet.** Dark blue flowers
 3352 **Pink Bouquet.** Charming pink shade.
 3353 **White Bouquet.**
 3354 **Bouquet Mixed.**
 Each of the above, pkt., 15c; 3 pkts. for 35c.

Dwarf Forget-Me-Nots

Dwarf globular plants, completely covered with bloom, best variety for borders and pots.

- 3340 **Victoria Azure Blue,** with yellow center
 3341 —**Indigo Blue.** 3342 —**Victoria Rose.**
 3343 —**White.** 3344 **Mixed.**
 Each of the above, pkt., 10c; 3 for 25c.

Fragrant Double Tall Nasturtiums

Culture: A or B (May 15th-June), D or E (March-April)

NASTURTIIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks.

Aphis on Nasturtiums. One of our friends writes in "Horticulture": "I am not troubled with aphis if I sprinkle moth balls on the ground quite close to the stems of the plants."

- 3727 **Caprice.** Primrose and salmon-erise blotched, streaked or mottled in various degrees, often changing considerably in different flowers on the same plant. The combination of these two colors is most striking. Very large, double flowers. Pkt., 10c.
 3733 **Fire Gleam.** Bright scarlet. ¼ lb., 75c; oz., 25c; pkt., 10c.
 3735 **Golden Gleam.** The large double, sweet-scented golden yellow flowers on long stems are borne profusely well above the bright green foliage. Lb., \$1.60; ¼ lb., 50c; oz., 20c; pkt., 10c.
 3563 **Indian Chief.** It has dark foliage and vivid scarlet flowers. The blooms are sweetly scented and freely produced. Pkt., 15c.
 3728 **Mahogany.** Large, double, sweet-scented, dark mahogany-red flowers borne with the greatest freedom well above the foliage of the semi-tall plants. Outstanding. Pkt., 10c.
 3736 **Scarlet Gleam.** The flowers are a fiery orange-scarlet three inches across, The sweet fragrance is pronounced, and the double flowers uniform. The foliage is the same lush green. Oz., 30c; ½ oz., 20c; pkt., 10c.
 3737 **Orange Gleam.** Oz., 20c; pkt., 10c.
 3734 **Salmon Gleam.** Delicate golden salmon. Oz., 20c; pkt., 10c.
 3738 **Salmon Cerise.** Oz., 20c; pkt., 10c.

3739 **Double Glorious Gleam Hybrids.** Colors never seen before in a double nasturtium abound in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. ¼ lb., 50c; oz., 20c; pkt., 10c.

3745 **Vaughan's Special Mixture of Tall Nasturtiums.** In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and the Canary Bird Creeper will furnish a brilliant display of flowers. 1 lb., \$1.50; ¼ lb., 45c; 1 oz., 15c; pkt., 10c.



3736 NASTURTIIUM Double Scarlet Gleam. Pkt., 10c.

Dwarf Double Nasturtiums

- 3540 **Delightful.** Most pleasing shade of soft salmon-erise, the upper petals prettily marked crimson-maroon at the base and as flowers age often take on a deeper shade of salmon-erise than the lower petals. Flowers are held well above the luxuriant, bright green foliage. Pkt., 15c.
 3541 **Garnet Gem.** Striking new color—deep, rich, very bright garnet-red with just enough orange to enliven it with an iridescent glow. Flowers are double or semi-double, with 8 to 10 petals, and grow about 2½ in. across. Long stemmed and delightfully sweet scented. Pkt., 25c.
 3561 **Globe of Fire.** Fragrant double flowers of flaming red, contrasting vividly with the dark green leaves, are borne in great abundance upon a compact dwarf plant. A splendid subject for the border foreground, a mass effect, a window box or vase. Pkt., 15c.
 3558 **Golden Globe.** Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Oz., 40c; pkt., 10c.
 3542 **Mahogany Gem.** The darkest colored Nasturtium we have ever seen; the velvety, brilliant flowers are rich, deep mahogany. Plants are very compact and dwarf; flowers are large, double and sweet scented. Pkt., 15c.
 3543 **Orange Glory.** The large, sweet-scented flowers are bright orange; the base of each of the upper petals and most of the inside of the throat are painted with deep garnet-brown. Narrow lines of this latter color radiate like a fan over the upper petals, but disappear in an overlay of orange-chrome. Petals are wonderfully fluted and crinkled. Pkt., 15c.
 3544 **Primrose Gem.** The dwarf, compact plants are literally covered with giant double, sweet-scented soft primrose colored flowers. Pkt., 15c.
 3545 **Ruby Gem.** Dwarf, compact, globe-shaped plants literally covered with large double, sweet-scented, bright ruby colored flowers. Pkt., 15c.



3560 NASTURTIIUM Type of Dwarf Double Gem Mixed. Pkt., 10c.
 Ideal for edging beds and window boxes It produces an evenly balanced range of bright colors. ¼ lb., 80c; oz., 30c; pkt., 10c.

3570 **Vaughan's Special Mixture of Dwarf Nasturtiums.** This mixture is put up by ourselves from named sorts of the single and double varieties which have the richest and most varied combination of colors. 1 lb., \$1.50; ¼ lb., 45c; 1 oz., 15c; pkt., 10c.



3390 NICOTIANA Affinis. Pkt., 10c.

3393 NICOTIANA Affinis
Crimson Bedder. Pkt., 15c.

3926 PENTSTEMON Sensation Mixed. 25c.

Nicotiana

Sweet-Scented Tuberose Flowered Tobacco Plant

Culture: A or B (March-June), D or E (March-April)
One of the easiest annuals to raise and one of the most fragrant. The blossoms are not unlike a Petunia blossom, but with a longer tube. They open toward evening and emit a powerful perfume. 2 ft.

3390 Affinis. One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. $\frac{3}{8}$ oz., 25c; pkt., 10c.

3392 Affinis Hybrids. Splendid hybrids in blue, red and rose shades. $\frac{3}{4}$ oz., 30c; pkt., 10c.

3393 Crimson Bedder. The flowers are of a rich deep crimson. 15 in. Pkt., 15c.

3391 Crimson Flame. Petunia-like flowers form five pointed red stars, very fragrant, free bloomer. Pkt., 25c.

3404 Orange Blossom (Miniature White). 18 in. An elegant small-flowered pure white species; delightfully scented; even, upright growth. Pkt. 25c.

3395 Sanderae. Branching habit, bearing on light, graceful stems, quantities of rosy carmine flowers. Pkt., 10c.

3396 Sanderae Crimson King. Dark velvety crimson-red flowers. Pkt., 10c.

3397 Sanderae Hybrids. All shades. $\frac{1}{4}$ oz., 30c; pkt., 10c.

3405 Sylvestris. 4 ft. Pyramidal habit, with long, tubular, pure white flowers, in panicles. Pkt., 10c.

3398 NICANDRA (Shoo Fly Plant). 3-4 ft. Grown for showy blue flowers and odd fruits. Pkt., 10c.

Nemophila (Baby Eyes)

Culture: A or B (March-June), D or E (March-April)
Hardest of annuals, and of the easiest culture.

3376 Insignis, Blue. Lovely cup-shaped, sky blue flowers with white center. Oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

3380 Mixed, all colors. Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

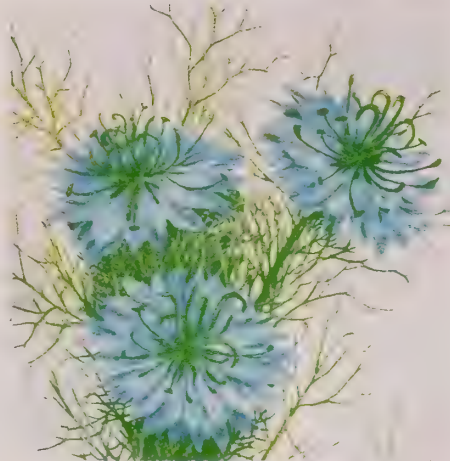
Nolana

Culture: A (May-June)

3387 Blue Ensign. Native Chilean Bellflower. In pots it will grow 12 inches high, outdoors it spreads a little and throws up large ultramarine-blue flowers on stems 5 or 6 inches high. In shape these resemble an Ipomoea, enhanced by the large pure white center. Sow outdoors in May where the plants are to bloom. Fragrant. Pkt., 25c.

ORNAMENTAL GRASSES MIXED — See page 54.

For Cultural Instructions, See Page 40



3420 NIGELLA Miss Jekyll. Pkt., 10c.

Nigella (Love-in-the-Mist)

Culture: A or B (March-June), D or E (Feb.-April)

3420 Miss Jekyll. A lovely variety, bearing on long stems, large semi-double flowers of a lovely tender cornflower-blue, nestling in fine feathery foliage. $\frac{1}{4}$ oz., 15c; pkt., 10c.

3422 Miss Jekyll White. Pkt., 10c.

3415 Mixed. Blue and white. 18 in. $\frac{1}{2}$ oz., 25c; pkt., 10c.

3417 Hispanica Dragon Fly. This is quite distinct from the Miss Jekyll type. The flower is single with thick fleshy petals and sturdy stem. 15 inches in height—branches well. The flowers are rich dark blue. Pkt., 25c.

3439 OENOTHERA Lamarckiana (Evening Primrose). Yellow. Pkt., 10c.

3435 Mixed. Pkt., 10c.

Oxalis

Culture: D or E (Feb.-April)

3444 Cloth of Gold. 1 ft. Deep golden-yellow flowers produced with such freedom in the latter part of the season as to completely hide the bright green foliage. Pkt., 10c.

3910 PASSIFLORA Coerulea Grandiflora (Passion Flower). Slender but strong grower. Flowers $2\frac{1}{2}$ to $3\frac{1}{2}$ inches across, slightly fragrant, greenish white; the corona is blue at the tip, white in the middle and purple at the base. Pkt., 10c.

Pennisetum (Fountain Grass)

$2\frac{1}{2}$ ft.

Culture: D or E (February-March), A or B (May 15th)

3920 Longistylum. Greenish white plumes. Pkt., 10c.

3925 Ruppelianum (Purple Fountain Grass). Graceful green foliage and purplish plumes. Pkt., 10c.

Pentstemon

Beard Tongue

Culture: D or E (Jan.-March)

3926 Sensation Mixture. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 2 ft. Pkt., 25c.

3928 Sensation Pink Shades. Pkt., 25c.

3927 —Red Shades. Pkt., 25c.

3929 —Violet Shades. Pkt., 25c.

3931 Miniature Hybrids. $2\frac{1}{2}$ ft. A strain bearing long graceful spikes of miniature flowers, similar to Gloxinioideae, but with a wider color-range. Early, keeps well when cut. Pkt., 25c.

See Perennial Pages for other varieties.

Nemesia

Culture: D or E (February-March)

The orchid-like flowers, which are often three quarters of an inch across, are varied in color, ranging from rose, yellow-orange and blue. It dislikes hot, dry weather and should have an early start in greenhouse or hot-bed so it can flower before midsummer.

3361 Dwarf Aurora. 8 inches. Upper petals are dazzling turkey-red and the lower ones milk-white.

3367 —Brightness. Brilliant cherry red.

3365 —Blue Gem. 7 inches. One of the best blue annuals for bedding.

3362 —Fire King. Bright red.

3363 —Orange King. Brilliant orange.

Each of above, pkt., 25c; 3 pkts. for 65c.

Large Flowered

3366 Blue. **3368 Scarlet.**

3372 Orange. **3374 White.**

3373 Rose.

Each of above, pkt., 15c; any 3 pkts. for 35c.

3360 Large Flowered Mixed. 1 ft. Is the finest strain of the most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. $\frac{1}{2}$ oz., 35c; pkt., 15c.

3359 NEMESIA Triumph Hybrids. A splendid race of these popular annuals. The plants grow 6 to 8 inches high, in bushy form, and bear continuously, myriads of brilliantly colored flowers; cream, orange, yellow, crimson, rose, scarlet, etc., tipped with other colors. Pkt... 15c

4432 POLYGONUM Orientale (Kiss-me-over-the-garden-gate). Pink. 7 ft Pkt., 10c

Vaughan's New Giant Pansies

Culture: C (May-July); Pot up July-Sept., winter in cold frame.

Pansies are "Friendly Flowers" with their interesting little faces upturned and nodding and smiling to one. They have long been a favorite with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety, Maple Leaf, several years ago.

One may select from the strains listed below for whatever quality one may prefer—for size, color, or free blooming—in some cases finding all three combined.

We carry all worthwhile varieties. Leaflet on culture will be supplied if asked for when ordering seed.

SPECIAL MIXTURES

3861 Early Flowering Giant Mixed. Ice Pansy.

Flowers three weeks earlier than others, affording an excellent companion for the early bulbs. Includes a good color range of twelve distinct tones. $\frac{1}{8}$ oz., 35c; pkt., 10c.

3760 **Boulogne Giant Mixture.** The flowers are large, of great substance, fine form and are borne on particularly strong stems. Pkt., 50c.

3840 **Trimardeau Mixture.** It has a complete color range, but lacks the newer varieties. $\frac{1}{8}$ oz., 30c; pkt., 10c.

3881 **Engelmann's Giant.** A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones, appear early. Pkt., 50c.

3821 **Eldorado Art Shades.** It blooms at the same time as Swiss Giants, flowers a little smaller but much freer blooming. Stays more bushy but a trifle taller. Colors are strong and varied. It makes a good effect as a bed and individual flowers are pleasing. Pkt., 25c.



3794 **PANSY** Vaughan's Super Maple Leaf Giant Mixture (Canadian Giants). It is quite different from other types. The leaves are of giant size and the flowers are up to 4 inches across, under good cultivation. Of wonderful substance and fine form. Many charming colors are included. This has been a prize winner whenever shown. $\frac{1}{8}$ oz., \$1.50; pkt. 50c

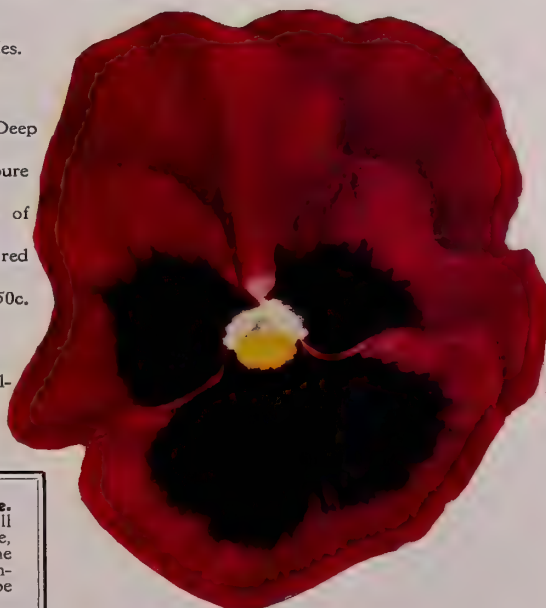
3894 **PANSY** Vaughan's Super Swiss Giant Mixture. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. $\frac{1}{4}$ oz., \$2.50; $\frac{1}{8}$ oz., \$1.50; $\frac{1}{16}$ oz., 90c; pkt. 35c

GIANT SWISS VARIETIES

- 3892 **Swiss Alpenglow.** Rich wine-red shades.
- 3891A **Swiss Black Monarch.** Black.
- 3896 **Swiss Berna.** Dark violet blue.
- 3891 **Swiss Blue (Ullswater) (Thuner Sea).** Deep blue flower with blue-black blotches.
- 3820 **Swiss Coronation Gold.** The largest pure gold self. Pkt., 50c.
- 3897 **Swiss Delft Blue.** A delightful tone of translucent blue.
- 3898 **Swiss Fire Beacon.** Bright wallflower red with a touch of orange. Pkt., 50c.
- 3895 **Swiss Luna.** Light straw yellow. Pkt., 50c.
- 3900 **Swiss Pure White.** Pkt., 50c.
- 3899 **Swiss Pure Yellow.**
- 3893 **Swiss Yellow (Rheingold).** Rich yellow with blotches on the three lower petals.

Each of above, except as noted otherwise, pkt., 25c; 3 pkts. for 65c.

3875 **PANSY** Vaughan's Giant Mixture. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc., and is probably the best "general" high-grade mixture obtainable. All the flowers are of the "Giant" type and of good shape and texture. $\frac{1}{8}$ oz., \$1.00; 2 pkts. for 25c; pkt. 15c



3892 **PANSY** Swiss Alpenglow. Pkt., 25c.

GIANT VARIETIES

- 3750 **Adonis.** Blue, white margin. Pkt., 10c.
- 3756 **Azure Blue.** Clear light blue. $\frac{1}{8}$ oz., 30c; pkt., 10c.
- 3859 **Beaconsfield.** Upper petals almost white, lower rich purple. Pkt., 10c.
- 3857 **Early Flowering Blue Boy.** Clear, pure, silvery lilac, plants compact and robust, blooms $2\frac{3}{4}$ to $3\frac{1}{2}$ in. Pkt., 15c.
- 3779 **Emperor William.** Dark navy blue. $\frac{1}{8}$ oz. 30c; pkt., 10c.
- 3785 **Mad. Perret.** Pink blends. Pkt., 10c.
- 3822 **Prince Henry.** Dark blue. Pkt., 10c.
- 3819 **Purple.** Rich deep purple. Pkt., 10c.
- 3829 **Rembrandt.** Compact habit, long stemmed, five blotched, vivid bronze-orange. Pkt., 15c.

3880 **PANSY** Vaughan's International Mixture. A mixture of special strains including Swiss Giants, Maple Leaf Giants and other mixtures. Flowers of largest size and great substance in the most varied colors and color combinations. Since this mixture contains but very few self-colors, such as white, blue and yellow, these should be ordered separately if desired. $\frac{1}{8}$ oz., \$1.10; 3 pkts. for 65c; pkt. . . . 25c



4078 Setting Sun. Pkt., 35c.

4048 Queen of the Market. Pkt., 35c.

4037 Balcony Black Prince. Pkt., 25c.



4066 Dwarf California Giant Mixed. Pkt., 50c.

Large Flowering Petunias

Culture: D or E (Feb.-April)

In dry season or wet, the petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades of red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered. Every gardener's desire may be gratified. Let us make 1940 a Petunia year. Petunias make good cut flower material. We supply a leaflet on culture with order.

Balcony Type Petunias 18 to 24 in.

Single large flowering sorts, trailing habit.

4037 **Balcony Black Prince.** Dark crimson, rich and velvety.

4036 **Balcony Cornflower Blue (Blue Wonder).** Rich blue.

4030 **Balcony Queen.** Rich, velvety violet with white star.

4034 **Balcony Red.**

4041 **Balcony Rose.**

4035 **Balcony White.**

4038 **Balcony Coppery Rose.** A beautiful warm color.

Each of the above, pkt., 25c; any three for 65c.

4042 **Balcony Mixed.** $\frac{3}{8}$ oz., 60c; pkt., 25c.

Large Single Flowering 12 to 16 in.

The flowers of this type average 3 to 4 inches across.

4051 **Dwarf Pink Glory.** Pure flame-rose pink. One of best bright pinks. Pkt., 35c.

4058 **Elk's Pride.** Velvety black-purple, best of all dark blues. Pkt., 25c.

4048 **Queen of the Market.** The color is a deep carmine red with a scarlet overtone. The blooms are $3\frac{1}{2}$ in., fine shape and slightly waved. The best red. Pkt., 35c.

4052 **Silver Edge Purple Robe.** A superb deep velvety violet—enhanced by a fine silver line usually appearing at the edge of the flower. Pkt., 50c.

4055 **Snow Storm.** Glistening white, shadowing yellow in the throat. 4 to 5 in. flowers. Pkt., 35c.

4043 **Velvet Ball.** A compact, procumbent variety of deep velvety crimson like the variety Flaming Velvet. The flowers are much larger than those of other compact varieties. Pkt., 35c.

Giant Single Flowering 18 in.

The flowers of this strain average 5 to 7 inches across.

4063 **Camilla.** A beautiful, ruffled rose-pink, with rich crimson veining. Pkt., 50c.

4071 **Copper Rose.** Enormous flowers with a dark throat, deeply veined. Pkt., 25c.

4070 **Empress.** Lilac blue with purple veins. 25c.

4090 **Prince of Wurtemberg.** Darkest. Pkt., 25c.

4075 **White.** Yellow throat. Pkt., 25c.

Seed and Bulb orders should have the quantity required written distinctly in the column provided for same with prices. Flower seeds may be ordered by name or by the marginal number. All flower seeds are sent prepaid. We carry in stock the largest and most complete list of flower seeds in America.

Large Single Fringed Flowering

4061 **Coerulea.** 18 in. Fringed delicate blue, veined with dark blue. Pkt., 50c.

4044 **Gaiety.** Bright rose and white, petals wavy and fringed. Bushy plants 8 to 12 inches, covered with large flowers. Pkt., 25c.

4053 **Lace Veil.** 12 in. Large pure white flowers with fringed petals, many waved. Pkt., 25c.

4047 **Purple Beauty.** 16 in. A large flower beautifully frilled, the best blue fringed Petunia. Pkt., 50c.

4046 **Rapture.** Orchid rose, deep rose veins, golden throat. Pkt., 35c.

4077 **Salmon Beauty.** True salmon pink, one of the outstanding varieties in our trials. Pkt., 25c.

4078 **Setting Sun.** Forms compact bushes 12 inches high, covered with fringed blossoms of rose pink, measuring 3 inches across. Pkt., 35c.

4062 **Theodosia.** 20 in. Fringed rosy pink with a clearly defined golden center. Pkt., 35c.

4059 **White Beauty.** Fringed pure white. Pkt., 25c.

4076 **Fluffy Ruffles Mixed.** The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose, crimson, and light blue. Pkt., 35c.

4100 PETUNIA Vaughan's Best Mixture Large Flowering Single.

This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers.

$\frac{3}{8}$ oz., \$1.50; pkt. (300 seeds), 25c

Double Flowering

3935 Vaughan's Mixture of Double Petunias.

This is a mixture of the best large flowering and fringed double petunias. Of course, only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 60 to 80 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. $\frac{3}{8}$ oz., \$6.00; pkt. (200 seeds), 50c.

3953 **Double Rosy Morn.** Medium-sized flower semi-double with heavy petals folding back from center of a lovely rose color. It resembles a Gardenia in shape. About 50% double. Pkt. (250 seeds), 50c.

3955 **Double Small Flowered Mixed.** The flowers of this strain are small but they are produced in greater profusion. Pkt. (300 seeds), 25c.

See Novelties for the "Alldouble" Petunias.

For Cultural Instructions, See Page 40



4055 Snow Storm. Large Flowered White. Pkt., 35c.

4066 **Dwarf California Giants Mixed.** The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the Superbissima type. Pkt., 250 seeds, 50c; 500 seeds, 90c.

4065 **PETUNIA Giants of California Mixed.** A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson, white, violet, lavender and pink. Large flowers freely produced. $\frac{3}{8}$ oz., \$1.50; pkt. (350 seeds), 25c



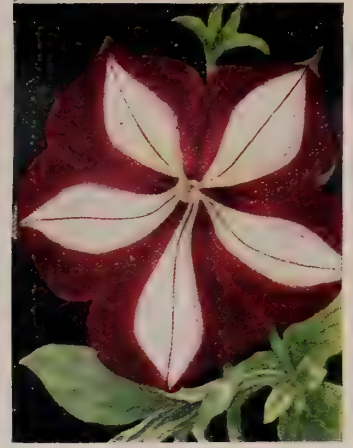
4017 **PETUNIA** Celestial Rose. Pkt., 25c.



4001 **PETUNIA** Heavenly Blue Re-selected. Pkt., 25c.



4005 **PETUNIA** Improved Rosy Morn. Pkt., 15c.



3975 **PETUNIA** Howard's Star Improved. Pkt., 10c.

Miniature 6 in.

A new strain of dwarf compact miniature Petunias.
4024 **Pink and White Gem.** Rose-pink starred white.

4027 **Rose Gem.** Deep rose.

4028 **Royal Gem.** Deep rosy crimson-carmine with white throat.

4029 **White Gem.** Pure white.

4026 **Gem Mixed.**

Each of the above, pkt., 15c.

Small Flowering Petunias

Culture: A or B (Mar.-June), D or E (Mar.-April)

Single Dwarf Small Flowering Petunias 12 to 15 in.

3997 **Alderman.** Beautiful dark violet. Pkt., 15c.

4017 **Celestial Rose.** Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose. Pkt., 25c.

3999 **Cockatoo.** Velvety deep violet-purple with irregular sized white spots and stars. Pkt., 25c.

4002 **Crimson.** Pkt., 10c.

3976 **Dwarf Howard's Star.** Bushy plants with white flowers are marked with rays of red purple. Pkt., 15c.

4001 **Heavenly Blue Re-Selected.** A silvery light blue. Varies about 10% in shade. Pkt., 25c.

4005 **Improved Rosy Morn.** An improved strain of the clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering with the same white throat. 1/8 oz., 50c; pkt., 15c.

4079 **Martha Washington.** 9 in. Blush pink deepening to dark violet throat, ruffled flowers. Pkt., 25c.

4018 **Rose of Heaven.** Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. 1/4 oz., 60c; 1/8 oz., 35c; pkt., 10c.

4023 **Salmon Supreme.** 12 in. Award of Merit All-America Selection 1938. Distinct light salmon color. Flowers 1 1/2 in., white throat, plain petals. Pkt., 25c; 3 pkts., 65c.

4019 **Senator.** Purple with white throat. Pkt., 15c.

4020 **Snowball.** Pure satiny white. 1/4 oz., 60c; 1/8 oz., 35c; pkt., 10c.

4021 **Twinkles.** Masses of small brilliant rose flowers with well-defined pure white star. Free blooming. Pkt., 20c.

3990 **Violet Queen (Improved Blue Bird).** Rich violet, compact and dwarf, best strain. Pkt., 25c.

Single Small Flowering Petunias 18 to 24 in.

3958 **Alba.** Pure white.

3959 **Blue Bee.** The color of Viola Jersey Gem.

4006 **Flaming Velvet.** A rich velvety crimson, best of its color in this class. 1/8 oz., 50c; pkt., 15c.

3975 **Howard's Star Improved.** Crimson-maroon with a clearly defined star of blushing white.

3971 **Norma.** Blue with white star.

4099 **Improved Rose King.** Large rosy flowers are freely borne on plants of loose habit. Pkt., 20c.

3986 **Topaz Rose.** A fiery velvety rose, topaz throat. Pkt., 25c.

Each of the above, except noted otherwise, pkt., 10c.

3995 **Finest Mixed.** Oz., \$1.25; 1/2 oz., 75c; 1/4 oz., 40c; 1/8 oz., 25c; pkt., 10c.

4025 **Vaughan's Special Mixture of Dwarf Small Flowering Varieties** includes all the varieties listed and many others and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. 1/4 oz., 85c; 1/8 oz., 50c; pkt., 25c.



3990 **PETUNIA** Violet Queen. Pkt., 25c.
4018 **PETUNIA** Rose of Heaven. Pkt., 10c.



4025 **PETUNIA** Vaughan's Dwarf Small Flowering Mixed. Pkt., 25c.



4077 **PETUNIA** Salmon Beauty. Pkt., 25c.
(See Page 64.)



4006 **PETUNIA** Flaming Velvet. Pkt., 15c.

See Novelty Pages.



4220 PHLOX Vaughan's Special Mixture. Pkt., 15c.

4220 PHLOX VAUGHAN'S SPECIAL ANNUAL MIXTURE.

Contains all the grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz., \$1.60; ¼ oz., 50c; ⅓ oz., 30c; pkt., 15c

Nana Compacta Dwarf

These make symmetrical bushes, covered with flowers during the whole summer and fall. 8 in.

- 4182 **Apricot.** Yellow.
 4182A **Cinnabarina.** Brilliant red.
 4184 **Dark Purple.**
 4187 **Delicata.** Soft salmon pink.
 4183 **Fireball.** Blood-red.
 4192 **Isabellina.** Buff yellow.
 4201 **Mirabilis.** Salmon-pink with white eye.
 4200 **Salmon Pink.**
 4195 **Sky-Blue with White Eye.**
 4189 **Snowball.** Pure white.
 4203 **Violet.**
 4204 **Violet, White Eye.**

Each of the above, ¼ oz., 50c; pkt., 15c; any 2 pkts. for 25c.



4101 PHACELIA Campanularia. Pkt., 10c.

Phlox, the Gayest Annual

Culture: A or B, D or E (February-March)—For Cultural Instructions See page 40.

PLANT a bed of these gorgeous annuals this year. If your favorite colors are the delicate shades, buy the Gigantea Art Shades; if you want a brilliant kaleidoscopic display, plant our Vaughan's Special Mixture. It has a complete color range of the delicate and brilliant shades. Seed may be sown in the open as soon as frost danger has passed, and flowers will appear in a few weeks. If faded flowers are removed they bloom until late frost. 12 inch.

HARDY PHLOX—See Perennial Pages.

Grandiflora Varieties

This section has beautiful, round-petaled flowers, which overlap each other.

- 4113 **Brilliant.** Rose with dark eye.
 4140 **Buff Yellow.**
 4114 **Cinnabarina.** Brilliant red.
 4120 **Chamois Rose.**
 4137 **Dark Blue.** True blue
 4125 **Fiery Scarlet.**
 4126 **Flaming Velvet.**
 4127 **Flaming Velvet with White Eye.**
 4115 **Flesh Color.**
 4146 **Leopoldi.** Rose with white eye.
 4155 **Pink.**
 4105 **Pure White.**
 4160 **Violet with White Eye.**
 4107 **White with Dark Eye.**

Each of the above, ¼ oz., 30c; pkt., 10c; any 3 pkts., 25c.

4165 **Splendid Mixture.** Oz., \$1.40; ¼ oz., 35c; pkt., 10c.

4175 **Cuspidata or Star Mixed.** Quaint and unusual flower formation. ¼ oz., 40c; pkt., 10c.

4205 **Nana Compacta Mixed.** All colors. Oz., \$2.50; ⅓ oz., 40c; pkt., 10c.
 See also Novelties.

Giant Flowered Phlox

4103 **Gigantea Art Shades.** A new strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. ¼ oz., 35c; ⅓ oz., 60c; pkt., 15c.

For Cultural Instructions, See Page 40



4175 PHLOX STAR. Mixed. Pkt., 10c.

Vaughan's Beauty

This is the finest large flowering dwarf Phlox in existence. It forms round compact bushes of about 6 to 8 inches in height, which are covered with its large flowers generally with centers of contrasting colors. The regular and uniform growth of all colors, its grand display of the shades, and the large size of the flowers place this far above all the other dwarf sorts.

- 4211 **Alba,** white. 4212 **Chamois.**
 4213 **Coccinea,** scarlet.
 4214 **Coculea Stellata,** blue with eye.
 4215 **Delicate.** 4210 **Mixed.**
 Each of above, pkt., 15c; any 3 pkts., 40c.

Phacelia Campanularia

Culture: A-B (March-June), D or E (March-April)

4101 8 in. Sow where they are to grow. Dwarf plants bearing terminal racemes of gentian-blue flowers with conspicuous white anthers. ⅓ oz., 25c; pkt., 10c.

4515 **PYRETHRUM Aureum Golden Feather.**

6 in. Edging plant grown for its beautiful yellow foliage. Pkt., 10c.

Portulaca or Rose Moss

Culture: A (March-July), D (February-March)

Portulaca makes a brilliant carpet for a sunny spot where a ground cover is needed. Flowers like little roses. In sowing, mix the seed with many times its bulk in dry sand to insure an even distribution. Sow in May, when the ground is thoroughly warmed. Easily transplanted.

Large Flowering Single

- 4400 **White.** 4410 **Pink.**
 4405 **Yellow.** 4420 **Scarlet.**
 Each of the above, ¼ oz., 30c; pkt., 10c, any 3 pkts., 25c.
 4425 **Giant Parana.** The flowers are fully twice as large as those of other Portulacas and of the most dazzling reddish-purple. Oz., \$1.00; ¼ oz., 30c; pkt., 10c.

4430 **Single Mixed.** Lb., \$6.00; ¼ lb., \$1.70; 1 oz., 60c; ⅓ oz., 20c; pkt., 10c.

Large Flowering Double

A certain amount will produce single flowers.

- 4435 **White.** 4441 **Salmon.**
 4438 **Yellow.** 4443 **Scarlet.**
 4440 **Pink.**

Each of the above, ¼ oz., 50c; pkt., 15c.

4445 **Scarlet Glow.** Exceedingly brilliant orange scarlet large flowering variety. Pkt., 25c.

4455 **Double Best Mixture.** 1 oz., \$2.50; ¼ oz., 75c; ⅓ oz., 50c; pkt., 15c.



4455 PORTULACA Double Best Mixed. 15c.



4370 POPPY Shirley Vaughan's Special Mixture. Pkt., 10c.

Shirley Poppies (Silk or Ghost)

These have beautiful satiny flowers of various colors, all with white centers. Foliage is hairy and finely cut.

4277 **American Legion.** A dazzling orange-scarlet of enormous size. $\frac{1}{4}$ oz., 25c; pkt., 10c.

4278 **Blue Shirley.** 20 in. Various blue shades. Pkt., 10c.

4238 **Double Begonia Flowered Sweet Briar.** Sweet Briar is a delightful shade of deep rose-pink. The blossoms are full double. Pkt., 10c.

4239 **Double Begonia Flowered Mixed.** The flowers resemble the double tuberous rooted begonias in form and contain an assortment of lovely light shades. Pkt., 10c.

4368 **Double Shirley Ryburgh Hybrids.** Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.

4295 **Eldorado Salmon Shades.** 2 ft. Pkt., 10c.

4280 **Wild Rose Shirley.** 20 in. Shades of rose and pink. $\frac{1}{4}$ oz., 25c; pkt., 10c.

4370 **Vaughan's Special Mixture of Shirley Poppies.** 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

4310 **Vaughan's Special Mixture Double and Single Poppies.** Comprises all the double and single Poppies described, but also a number of new sorts purchased for this mixture. 1 lb., \$4.00; $\frac{1}{4}$ lb., \$1.25; 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

Ricinus (Castor Bean) □

Culture: A or B (May 15th), D or E (February-March) Giant, strong growing plants, with ornamental foliage.

4547 **Borboniensis Arboreus.** 15 ft. Immense plants with green foliage. Oz., 20c; pkt., 10c.

4545 **Cambodgensis.** 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black. 1 oz., 20c; pkt., 10c.

4546 **Crimson Spire.** The bushy plants grow 6 to 8 ft. high with large palmate leaves of a lustrous purple gradually changing to bronzy green, with red stems, stalks and seed spikes. Oz., 50c; pkt., 10c.

4570 **Mixed.** Many sorts. 1 oz., 15c; pkt., 10c.

4565 **Zanzibar Enormis.** 1 oz., 25c; pkt., 10c.

4560 **Zanzibar Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant a perfect pyramid. Oz., 20c; pkt., 10c.

4530 **RHODANTHE Manglesi Rose (Everlasting).** Bright rose. Pkt., 10c.

4540 **—White and Pink Mixed.** Pkt., 10c.

FLOWER SEEDS FOR FALL SOWING

Few know many of our prettiest and best known annuals may be sown in the fall, in fact some varieties, like the annual Larkspur, are much better treated in this way. The principle is the one nature uses. Seed dropped from parent plant will lie dormant in the soil until early in the spring when it germinates and begins a root system long before one can get in the ground to sow seed. A list of these which we have found satisfactory in our Trial Grounds will be offered in our Fall Illustrated catalogue.

Giant Poppies

Culture: A (March-June)

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower in a few weeks from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them and thin out to 8 inches apart.

Double Annual Poppies

GIANT PEONY-FLOWERED (Plain Petals)

4325 Pure White. 4338 Cardinal Red.

4330 Pale Yellow. 4345 Salmon.

4335 Pink.

Each of the above, $\frac{1}{4}$ oz., 25c; pkt., 10c; any 3 for 25c.

4380 **Peony-Flowered Mixture.** Double ball-shaped flowers with plain edges of gigantic size. $\frac{1}{4}$ oz., 20c; oz., 25c; pkt., 10c.

4357 **Barr's Tall Salmon Irresistible.** 2½ feet. Large double fringed flowers measuring 5 inches across, ranging from brilliant rose to salmon rose with large white center, very beautiful. Pkt., 15c.

4375 **Carnation-Flowered Mixture.** Large flowers with fringed petals many striped. Oz., 30c; $\frac{1}{2}$ oz., 20c, pkt., 10c.

4390 **Vaughan's Special Mixture Double Poppies.** This includes all the double sorts, and will produce charming flowers in an endless variety of colors. 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

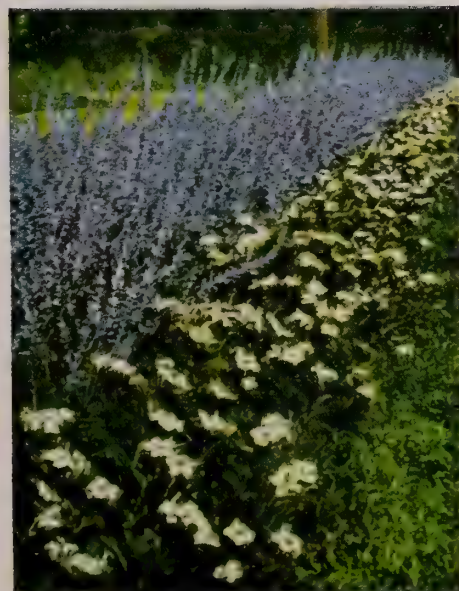
Single Annual Poppies

4245 **Flanders Poppy.** 30 in. Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Sow with Centaurea Cyanus Blue Boy. Lb., \$3.00; 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

4255 **King Edward.** 36 in. Flowers deep scarlet shaded crimson, with a large black blotch at the base of each petal. Pkt., 10c.

4270 **Tulip (Glaucum).** 20 in. Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Oz., 50c; $\frac{1}{2}$ oz., 30c; pkt., 10c.

4305 **Vaughan's Special Mixture Single Poppies.** This mixture includes all the choice single listed Poppies and many other kinds not listed. It is really extra choice. 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.



4683 **SALVIA Farinacea Blue Bedder** (in Background). Pkt., 10c.

5770 **VINCA White** (in Foreground). Pkt., 10c.



4640 **SALVIA SPLENDENS** America. Pkt., 25c.

Salvias

Culture: D or E (Feb.-March), A or B (May 15th)

The brilliant scarlet Salvia Splendens, so highly valued as a source of this vivid color in summer beds, borders, window boxes and flower pots, is by no means the only worthy member of this family. The tall pale lavender Salvia Farinacea Blue Bedder is increasingly popular in summer borders, and Blue Beard is an excellent border foreground subject.

Splendens Type

4640 **America, or Globe of Fire.** 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. $\frac{1}{4}$ oz., 75c; pkt., 25c.

4655 **Clara Bedmar or Bonfire.** 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. $\frac{1}{4}$ oz., 60c; pkt., 15c.

4650 **Fireball.** 1½ ft. The bushy plant is covered with flower spikes of fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c.

4665 **Indian Purple.** This is a true purple-violet and is particularly effective with Centaurea Americana Lilac. Pkt., 15c.

4668 **Salmonea.** Long spikes of salmon-rose. A new color. Pkt., 25c.

4675 **Mixed.** All red varieties. Pkt., 10c.

Other Salvias

Culture: A or B (March-May), D or E (March-April)

4679 **Blue Beard.** Grows 1 ft. high. Its blue-purple heads produce a fine effect in beds and borders and are prized for cutting. Pkt., 10c.

4680 **Coccinea.** 2 ft. Bright scarlet sage, tubular flowers, half hardy. Pkt., 10c.

4683 **Farinacea Blue Bedder.** 2½-3 ft. An improved selection of the lovely blue Farinacea, sturdier in growth, with a deeper blue coloring. It makes a splendid background for all other colors in the border, and can be dried as an everlasting. Is especially handsome when grown behind a line of pink petunias. $\frac{1}{4}$ oz., 75c; $\frac{1}{2}$ oz., 40c; pkt., 10c.

4681 **Oxford Blue.** 12 to 18 in. A pure Oxford blue found nowhere else. Height depends on fertility of soil. Requires a sunny exposure. Pkt., 10c. See also Novelty and Perennial Pages.

Rudbeckia

Culture: A or B, D or E (February-March)

4583 **Kelvedon Star.** 3 ft. A long stemmed flower having dark brown central discs, surrounded by a shining mahogany zone on petals of deep orange. Sowing should be made in February and seedlings planted out during the second week of April. Pkt., 15c.

4582 **My Joy.** Giant Black-eyed Susans. Flowers very large, some over five inches in diameter, of an orange-yellow with rather small cone. Pkt., 15c.

See also Novelty Pages.

Sweet Scabiosa

(Mourning Bride or Pincushion Flower)

Culture: A or B (March-June), D or E (Feb.-March)

One of the most important annuals for cut flowers. Blooms on long, slender stems, which are exceedingly graceful; known as the Pincushion Flower because the stamens of some varieties are light in color and stick out in contrast to the petals so that they resemble pins stuck in a cushion.

ROYAL COCKADE TYPE

Has conical form with attractive depth of flower.

- 4703 **Blue Cockade.** Pure deep azure blue.
 4704 **Rose Cockade.** Alluring shade of bright rosy lilac.
 4706 **Royal Cockade.** An attractive shade of salvia blue.
 4707 **White Cockade.** A dazzling pure white.
 4708 **Monarch Mixed.** All the above.
 Each of above, pkt., 20c; 3 pkts. for 50c.

DOUBLE LARGE FLOWERING SPECIAL STRAINS

- 4731 **Blue Moon.** Rich lavender blue.
 4715 **Azure Fairy.** Azure blue.
 4727 **Loveliness.** Salmon rose shades.
 4736 **Orchid Shades.**
 4729 **Peachblossom.** Peachblossom pink.
 4732 **Rosette.** Deep rose suffused salmon.
 4734 **Salmon Beauty.** Pure salmon.
 4728 **Shasta Improved.** Enormous pure white.
 Each of above, pkt., 15c; 3 pkts. for 40c.
 4737 **Vaughan's Mixture of Super Scabiosa.** The above and other charming varieties. Pkt., 25c.

DOUBLE LARGE FLOWERING STANDARD VARIETIES

- 4725 **Black Prince.** Black purple.
 4720 **Cherry Red.** Crimson.
 4742 **Coral Rose.** Rich pink.
 4700 **Golden Yellow.** Sulphur yellow.
 4710 **Fiery Scarlet.**
 4735 **Pompadour.** Blackish purple, white tipped.
 4730 **Rose.** Bright rose.
 Each of above, pkt., 10c; 3 pkts. for 25c.
 4743 **Dwarf Double Mixed.** 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. ¼ oz., 25c; pkt., 10c.

See also Perennial Pages.

4740 SCABIOSA Vaughan's Special Mixture. Many new colors have been purchased for this and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. Oz., 80c; ¼ oz., 25c; pkt. 10c



4737 VAUGHAN'S Mixture of Super Scabiosa. Pkt., 25c.

Salpiglossis (Painted Tongue)

Culture: A or B (March-April)

ONE of the easiest of annuals to grow, the salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower. Sow in the full sun in fairly rich soil as early as possible, and preferably in the place where it is to grow, to avoid transplanting. Do not overwater, but keep "on the dry side." Its blossoms, similar in shape to a petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches.

- 4590 **Bright Crimson.** 4611 **Blue and Gold.**
 4591 **Brown and Gold.** 4613 **Scarlet and Gold.**
 4595 **Faust. Black.** 4614 **Velvety Red.**
 4600 **Rose and Gold.** 4616 **White and Gold.**
 4605 **Velvety Violet.** 4617 **Violet and Gold.**
 4610 **Golden Yellow.**
 4625 **Emperor Mixed.** Large improved strain
 Complete range of colors.
 Each of the above, oz., \$1 50; ¼ oz., 40c; ½ oz., 25c;
 per pkt., 10c; any 3 pkts., 25c.

- 4615 **Gloxiniaflora Mixed.** A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 10c.

4630 Vaughan's Special Mixture. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ¼ oz., 25c; pkt., 15c.



4630 SALPIGLOSSIS Vaughan's Special Mixture. Pkt., 15c.

Schizanthus

Butterfly Flower or Poorman's Orchid

Culture: A or B (March-June), D or E (March-April)
 Beautiful bushy plants with finely lacinated foliage covered with dainty flowers handsomely marked with contrasting colors.

- 4754 **Pansy Flowered (Danbury Park strain).** Large smooth-edged blooms of pansy shape, in rich self-colors, including pink, crimson, mauve, purple and white. Pkt., 35c.
 4755 **Dr. Badger's Hybrids.** An extraordinary strain in many beautiful colors. Pkt., 25c.
 4759 **Retusus Rosamunde.** Large orchid-like flowers of upright and stiff growth, which make good cut flower material. Delicate rose-spotted flowers. Pkt., 10c.
 4761 **Retusus Rose and Gold.** Rose flowers with gold blotches. Pkt., 10c.
 4758 **Retusus White and Gold.** White flowers with gold blotch. Pkt., 10c.
 4762 **Retusus Mixed.** Pkt., 10c.

Scarlet Runner Emperor

Culture: A (May 15th), D or E (March-April)

- 4766 **Bears edible beans, popular in the north.** Plants are of strong, quick growth, bearing large sprays of bright scarlet pea-like flowers. The dry beans are bright scarlet, blotched purple. Pkt., 10c.



4757 SCHIZANTHUS Vaughan's Excelsior Hybrids. A choice strain with very large flowers with handsome markings on white, buff, brilliant rose, blue and purple ground. Finest yet offered. Pkt. 25c
 See Novelties.

Saponaria (Soapwort)

Culture: A or B (March-July), D or E (March-April)

- 4694 **Multiflora Scarlet Queen.** 6 in. Dwarf, bearing an immense number of rosy-scarlet flowers.
 4693 **Vaccaria Alba.** White.
 4691 **—Rose.** 2 ft. Light graceful sprays of glistening pink flowers, somewhat like a "glorified" Gypsophila, produced in profusion.
 4692 **—Mixed.**
 Each of the above, pkt., 10c.

Sanvitalia

Creeping Miniature Zinnia

Culture: A or B (March-June), D or E (March-April)

- 4690 **Procumbens Fl. Pl.** 6 in. Sanvitalia flowers are much like tiny Zinnias, golden yellow with very dark purple centers, some single and others double. The plants are prostrate and creep over the soil instead of growing upward. They start blooming in June and continue until frost. ¼ oz., 25c; pkt., 10c

Vaughan's Sweet Peas

Early Flowering Spencer

Culture: A, D or E (March-May)

For Cultural Instructions See page 40.

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier, and for a much longer period. This class is recommended for all sections where spring is late, as they give flowers before the summer heat arrives.

*Varieties preceded by star are fragrant.

Any of following, oz., 50c; pkt., 10c; any three 10-cent pkts., 25c.

- 5343 **American Beauty.** Crimson-rose on white.
- 5345 **★Amethyst.** Royal purple.
- 5344 **Annie Laurie.** Richest pure rose-pink.
- 5346 **Apollo.** Soft salmon cerise, long stem.
- 5354 **★Blue Bird.** Violet-blue.
- 5350 **Blue Boy.** Clear blue.
- 5352 **Boon.** Deep salmon-pink.
- 5347 **Bridesmaid.** Deep silvery pink.
- 5348 **Burpee's White.** Giant white seeded.
- 5358 **Colleen.** Brilliant rose suffused with gold, fragrant.
- 5355 **Columbia.** Standard salmon rose, white wings.
- 5365 **Danube.** A good clear mid-blue.
- 5367 **Daphne.** Soft salmon-pink on cream ground.
- 5399 **Eileen.** Begonia rose with salmon shading.
- 5403 **Elk's Purple.** Purple.
- 5400 **Emblem.** Salmon-pink on the cream ground.
- 5411 **★Fragrance.** Large frilled lavender.
- 5412 **Fortyniner.** Bright deep orange, crimson shading.
- 5416 **★Giant Rose.** Extremely large rose-pink.
- 5430 **Grenadier.** Dazzling crimson scarlet.
- 5438 **★Harmony.** Clear lavender.
- 5439 **Hope.** Pure white, black seeded.
- 5453 **Josie.** Brilliant rose-pink, vigorous, large flowers.
- 5470 **★Laddie Improved.** Light rose-pink.
- 5486 **Majestic Rose.** Immense deep, brilliant rose-pink flowers on long stems.
- 5481 **Mariner.** Clear marine blue.
- 5487 **Memory.** Clear rosy lavender, large flowered. Improvement on Vogue.
- 5488 **Mrs. Calvin Coolidge.** Rich salmon-pink.
- 5495 **★Mrs. Herbert Hoover.** Clear deep blue.
- 5497 **Mrs. H. R. Holscher.** Brilliant pink, long stemmed.
- 5501 **Oriental.** Deep cream, black seeded large flowers.
- 5505 **Pride.** Pure, deep cerise, long stems.
- 5523 **Ramona.** Coral-rose, yellow shading.
- 5521 **Red Bird.** Bright crimson red.
- 5522 **Redwood.** Bright rich crimson.
- 5529 **Sequoia.** Rich golden salmon-cerise.
- 5528 **Shirley Temple.** Dainty frilled blooms of soft rose-pink.
- 5540 **★Snowstorm Improved.** Large pure white, white seeded.
- 5530 **Sonnet.** Delicate soft pink.
- 5527 **Success.** Sparkling rose-pink on white ground.
- 5532 **Sunproof Orange.** Bright scarlet orange.
- 5548 **Tahoe.** Large wavy flowers, chicory blue.
- 5553 **Treasure Island.** A sparkling golden orange, very large flowered and semi-duplexed.
- 5555 **Valencia.** Bright orange, sun-proof.
- 5558 **Vulcan.** Vivid scarlet, sun-proof.
- 5560 **White Champion.** Long stemmed, pure white flowers.



5595 **SWEET PEAS** Vaughan's Special Mixture. Early Flowering Spencers. All the varieties listed and many others. Lb., \$5.00; 4 oz., \$1.50; 2 oz., 90c; oz., 50c; pkt., 15c.

10 BEST EARLY FLOWERING Spencer Sweet Peas Collection No. 5600

Price, One Packet of Each for 75c.

- | | |
|-----------------|---------------------|
| White Harmony | Memory |
| Oriental | Mrs. Herbert Hoover |
| Boon | Daphne |
| Laddie Improved | Red Bird |
| Elk's Purple | Sequoia |

Runnerless Strawberries

4828 **Baron Solemacher.** This wonderful novelty has the largest berries obtainable from seed in this strain. The plant does not have runners; flowers within eight weeks after sowing and produces great quantities of fruit throughout the season. After washing the berries, sprinkle them with sugar for several hours before using. The berries will be found literally standing almost floating in their own juice. This suzaring and standing brings out the flavor to a remarkable degree. Pkt., 25c; 3 for 65c. Strong plants from seed, 3 for 85c; doz., \$2.50.



4829 **Baron Solemacher. Yellow Fruited.** A counterpart of the above variety, except that the fruit is golden and of an even finer flavor. Pkt., 25c.

4828 **STRAWBERRY** Red Baron Solemacher. Pkt., 25c Plants, 3 for 85c.

5320 SWEET PEAS Vaughan's Special Mixture, Late Spencer.

Named late flowering Spencer varieties growing wonderful blossoms for a long period. Lb., \$2.00; ¼ lb., 60c; oz., 25c; pkt., 10c.

For PERENNIAL SWEET PEAS—See Lathyrus Latifolius in Perennial Pages.



4795 RUSSIAN STATICE. Pkt., 10c.

Statice □

Culture: D or E (February-March)

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, which are rare among everlasting, and have come to be indispensable in making winter bouquets.

- 4800 **Bonduelli Superba.** 3 ft. Producing numerous heads of bright yellow flowers. Pkt., 10c.
- 4793 **Puberula.** 4-6 in. Flowers 5 months after sowing and bears magnificent dark violet blooms. Pkt., 25c.
- 4795 **Russian (Suworowii or Rat Tail).** 30 in. Flowers bright rose color. ¼ oz., 25c; pkt., 10c.
- 4807 **Sinuata, Blue Bouquet.** Darker shade than the True Blue offered below. Pkt., 10c.
- 4801 **—Rosea Superba.** 3 ft. Pkt., 10c.
- 4806 **—New Hybrids.** One of our growers has selected Art Shades, which we offer in a mixture for the garden and winter bouquets. Pkt., 15c.
- 4803 **—True Blue (Kampf's Improved).** Pkt., 15c
- 4804 **—Pure White.** 3 ft. Pkt., 10c.
- 4805 **—Mixed.** 3 ft. Pkt., 10c.

Trachelium □

Culture: D or E (Jan.-March)

5656 **Coeruleum.** 1 to 3 ft. Large cloud-like heads of tiny flowers resembling the gypsophila produced in the fall from spring-sown seeds. Heliotrope blue in color, borne on branching stems freely, the flowers can be increased by pinching back the stems, making a fine pot plant. Pkt., 25c.

5655 **TRITOMA Hybrida Mirabilis (Red Hot Poker Plant).** A perennial that blooms the first year Pkt., 15c.



4865 STOCKS, Best Mixed. Pkt., 10c.

Annual Sunflowers

HELIANTHUS □

Large Flowered Tall

Culture: A or B (March-June), D or E (March-April)

- 2700 **Gaillardia-flowered or Red Sunflower.** 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow and others slightly washed with red. Oz., 50c; pkt., 10c.
- 2707 **Californicus.** 5 ft. Double dark yellow. Pkt., 10c.
- 2709 **Chrysanthemum Flowered Double.** 6 ft. Golden yellow flowers. Oz., 50c; pkt., 10c.
- 2710 **Extra Dwarf Chrysanthemum Flowered Select.** Plants make stout spreading growth and bear many golden-yellow double flowers measuring 4 to 5 inches across. Comes very true from seed. Pkt., 15c.
- 2702 **Double Red Sunflower.** Flowers are as large as chrysanthemum-flowered Sunflower with the characteristic brownish red color of ordinary Red Sunflower. Average percentage of doubleness runs about 40%. Pkt., 15c.
- 2715 **Double Mixed.** Pkt., 10c
- 2725 **Russian Mammoth.** Single, of gigantic dimensions. 1 oz. 5c.

Miniature-Flowered

- 2727 **Cucumerifolius.** 5 ft. Charming small flowers, rich golden yellow with black center. 10c.
- 2740 **—Purpureus.** Red and yellow tones. Pkt., 10c.
- 2755 **—Vaughan's Special Mixture.** Includes all the cucumerifolius sorts. ¼ oz., 20c; pkt., 10c.
- 2760 **Vaughan's Special Mixture.** Of all the single and double Sunflowers. ¼ oz., 25c; pkt., 10c.



5635 TAHOKA Daisy. Pkt., 25c.

Tahoka Daisy □

Culture: A or B (March-June), D or E (March-April)

5635 A beautiful lavender-blue Daisy with fern-like foliage. Carried on good long stems, the flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.

Stocks or Gilliflower

An improved strain of large-flowered, dwarf Stocks for outdoor bedding, edging, group planting, etc. Also makes an ideal pot plant. Will bloom in 10 or 12 weeks from seed. Sow the seed indoors in March. We have included only the 10 week Stocks in our catalogue, as they were the only variety that flowered in our Trial Grounds this season. Where the summers are not so hot as in the middle west Stocks may be flowered. We can supply the Bismarck or Giant Imperial in separate colors or mixed at 15c per pkt. and the Non-Branching Column in separate colors or mixed at 25c per pkt.

Dwarf German—Ten Weeks, 12 in.

- 4830 **White.** 4841 **Rose Pink.**
 - 4835 **Canary Yellow.** 4845 **Crimson.**
 - 4856 **Dark Blue.** 4850 **Light Blue.**
- Each of the above, ⅓ oz., 50c; pkt., 10c.
- 4865 **Best Mixed.** ⅓ oz., 50c; pkt., 10c.



5641 TITHONIA Speciosa. Pkt., 25c.

Golden Flower of the Incas

TITHONIA □

Culture: D or E (February-March)

5641 **Speciosa, Early Flowering.** 8 ft. The flowers resemble a giant single zinnia of a vivid orange-scarlet; borne on huge bushes with woody stems, and large leaves with velvet bloom. From seed started in March plants in full sun will blossom in late August. Desirable as background in roomy borders. Pkt., 25c

See Novelties.

Torenia (Wishbone Flower) □

Culture: D or E (February-April), A or B (May 15th)

In the 1939 drouth in the middle west Torenias were among the comparatively few subjects which grew with vigor and flowered freely through the hottest, driest period in our trials. Grown in southern states instead of pansies.

- 5651 **Baillonii.** Yellow, brown markings. Pkt., 15c.
- 5645 **Fournieri.** + 10 in. Bushy globular plants literally covered with the lovely, richly-colored snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. Likes partial shade. Excellent for rock gardens, pots and hanging baskets. Pkt., 15c.
- 5650 **White Wings.** White with rose throat. Pkt., 15c.

4775 **SILENE Armeria Mixed.** (Catchfly) 10c.
SNOW-ON-THE-MOUNTAIN—See Euphorbia Variegata.



5645 TORENIA Fournieri. Pkt., 15c.

Vivid Verbenas

Culture: D or E (Feb.-April), A or B (May 15th)—For Cultural Instructions see page 40.

These are colorful annuals for some sunny spot in the border. In bloom continuously. They make gay bouquets for table decorations. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grows only 6 to 12 inches tall but spreads to 2 feet across.



5730 VERBENA Vaughan's Best Mixture. Pkt., 15c.

HYBRIDA Gigantea 1 ft.

A magnificent strain of Verbenas, of robust compact habit and free blooming. The trusses are immense, the individual florets measuring an inch in diameter.

5701 **Gigantea Alba.** Pure white. Very fragrant.

5699 —**Appleblossom.** Delicate cameo pink.

5702 —**Cerise Queen.** Salmon cerise.

5701A —**Étna.** Geranium-red, with a cream eye.

5718 —**Lavender Glory.** A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.

5703 —**Lucifer.** Vivid scarlet self.

5704 —**Luminosa.** Luminous flame-pink shading to salmon.

5709 —**Miss Willmott.** Salmon-rose, white eye.

5705 —**Rose Cardinal.** Rose, white eye.

5706 —**Rosea Stellata.** Pink, white eye.

5719 —**Royale.** Royal blue with a creamy yellow eye.

5717 —**Sutton's Giant Pink.** A fine salmon-pink with a faint light eye.

5707 —**Violacea Stellata.** Deep violet, white eye. Each of above, 1/2 oz., 40c; pkt., 15c; any 3 pkts., 35c.

5708 **Gigantea Mixed.** A wonderful mixture of large flowering varieties. 1/2 oz., 30c; pkt., 15c.

5711 **Beauty of Oxford Hybrids.** A beautiful giant strain following closely the color of Beauty of Oxford, softened by salmon-pink from Luminosa. Color shades from clear rose-pink to rose-red, making this the brightest rose Verbena ever produced from seed. Florets easily cover a silver half dollar. 1/2 oz., 50c; pkt., 25c.

5712 **Floradale Beauty.** Beauty of Oxford type of rose shades, salmon-rose predominating. Pkt., 25c.

5713 **Royal Bouquet, Finest Mixed.** Upright, large flowers, auricula eyed, brilliant mixed, especially good for pot culture. Pkt., 25c.

Dwarf Compact Varieties—6 in.

This group is very neat and compact in habit. They are continuous bloomers, particularly adapted for bedding, borders and small gardens.

5731 **Blue with White Eye.**

Blue Sentinel. See Novelties.

5732 **Chamois.** Pale chamois.

5733 **Dark Blue.** Almost a rich purple.

5735 **Fireball.** Bright scarlet blooms.

5738 **Pink.**

5741 **Ruby.**

5740 **White.** Creamy white.

5745 **Carmine Ball.** It forms a perfectly symmetrical plant about 10 inches high and 12 inches across and is completely covered with bright carmine flowers.

5747 **Splendor.** Very compact, flowers of intense scarlet with white eye.

5743 **Venus.** Soft chamois-pink, the innermost florets being suffused copper or terra-cotta rose, which creates a beautiful bicolor effect. Plants grow about 10 in. high and as much across.

5742 **Violet Bouquet.** Deep violet with cream eye, making a rich color combination.

Each of the above, pkt., 20c; any 3 for 50c.

5746 VERBENA Vaughan's Special Dwarf Mixture.

A formula mixture of named varieties of compact dwarf varieties of all colors, giving a brilliant effect in mass planting. Excellent for front yard and formal plantings.

1/2 oz., 50c; pkt. 25c

Various Verbenas

Culture: D, E or C (Jan.-July)

5749 **Canadensis.** 6 to 18 in. Of spreading habit, with large trusses of reddish-lilac flowers produced through entire summer. Robust garden subject. Pkt., 15c.

5750 **Lemon-Scented.** —An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 10c.

5755 **Erinoides.** 12 in. Moss-like foliage spreads over the ground like a carpet, above which are purplish-blue blossoms in lavish profusion. Blooms until frost. Pkt., 10c.

5760 **Erinoides Alba.** 12 in. Same as above but with white flower heads. Pkt., 10c.

5765 **Venosa.** 1 ft. Largely used for bedding purposes; strong, thrifty grower, covered with bright rosy heliotrope flowers. Sow in March in clear sand for quick germination. Blooms until frost, hardy with protection. Pkt., 10c.

5766 —**Lilacina.** 1 ft. Resembles the excellent venosa, vigorous and profuse in flowering, but with blossoms of a delicate lavender-blue. Hardy with protection. Pkt., 25c.

(See Novelties.)

5728 **Verbena Color Scheme Bed**
1 Pkt. each Lavender Glory, Sutton's Giant Pink, Alba, Lucifer for 45c.

5729 Red, White and Blue Mixture

A mixture of large flowered verbenas in which varieties which give the effect of red, white and blue are carefully blended in equal proportions. The effect is not only patriotic, but artistic. Pkt. 25c



5658A VENIDIUM Fastuosum Hybrids. Pkt., 25c.

Venidium □

Culture: D or E (February-March)

5659 **Calendulaceum.** 14 in. A bushy plant with large, orange daisy-like flowers. The fine silvery-grey foliage adds to its beauty. Grows on dry side without fertilizer. Pkt., 15c.

5658 **Fastuosum.** 2 to 3 ft. Above the greyish silky foliage rise numerous orange flowers marked with a purple-black zone averaging four to five inches across. Treat as a half-hardy annual, sowing in March or April, as germination is difficult earlier. Plant in sunny position. Pkt., 25c.

5658A **Fastuosum Hybrids.** 2-3 ft. A new race with a remarkable range of colors, from pure white through ivory, yellow and buff, set off by glistening black centers with maroon markings at base of petals. Germinate and grow more vigorously than original. Pkt., 25c.

Thunbergia (Golden Glory Vine)

Culture: D or E (March-April), A or B (May 15th) in Cold Frame or Greenhouse. Germination 3-4 Weeks.

5640 **Alata, Mixed (Black-Eyed Susan).** □ = 5 ft. A lovely plant with large showy flowers. Forming a dense mat of foliage and flowers. Colors range through yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes. 1/4 oz., 30c; pkt., 10c.

5639 **Gibsoni.** A lovely new graceful climber for covering pillar and trellis work. It has glistening green ivy-shaped foliage and flowers of brilliant glowing orange. Pkt. (15 seeds) 35c.

Viscaria □

Culture: D or E (February-March)

Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.

5776 **Blue Bouquet.** 1 ft. Large blue. Pkt., 10c.

5782 **Blue Pearl.** This is a distinct variety, differing from all other blue viscarias, and entirely without an "eye." It is a pure lavender blue, the flowers borne in abundance on tidy, erect plants. Pkt., 10c.

5777 **Cardinalis.** 1 ft. Bright carmine. Pkt., 10c.

5780 **Rose Beauty.** 18 in. Tall for its family, it bears flowers of deep rose with fringed and lacinated petals, on long, strong stems. Erect habit. Pkt., 15c.

5778 **Mixed.** 1 ft. 1/4 oz., 25c; pkt., 10c.

5784 **Dwarf Fiery Red.** Dwarf bushes not over 8 inches in height, covered with bright red flowers during the season. Viscaria is one of the easiest annuals to grow. Pkt., 15c.

5779 **Dwarf Mixed.** 8 in. 1/8 oz., 25c; pkt., 10c.

Vinca Rosea (Periwinkle) +

Culture: D or E (February-May)

Ornamental free-blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed germinates slowly but if sown early plants will bloom the first summer. They can be taken up in the fall, potted, and kept in bloom for the winter. 1 ft.

5770 **White.** 5772 **White with Eye.**

5771 **Delicata.** Soft pink. 5773 **Pink.**

5774 **Kermesina.** Bright red, dark green leaves with red stems.

Each of above, 1/8 oz., 25c; pkt., 10c; any 3 pkts., 25c.

5775 **Mixed.** 1/8 oz., 25c; pkt., 10c.

5730 VERBENA Vaughan's Best Mixture. Includes all the Hybrida and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer. 1 oz., \$3.00; 1/2 oz., 50c; large pkt., 25c; pkt. 15c

See Complete Index, Pages 111 and 112, to Find Items Quickly.

Free Flowering Violas

Culture: A or B (March-April)

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer.



- 5813 VIOLA Vaughan's Special Mixed. 25c.
 5806 VIOLA White Perfection. Pkt., 10c.
 5790 VIOLA Blue Perfection. Pkt., 10c.
 5804 VIOLA Chantreyland. Pkt., 25c.
 5801 VIOLA Primrose Dame. Pkt., 15c.

CORNUTA HYBRIDS (Large Flowers)

- 5786 Apricot. Beautiful rich apricot shade tinged orange towards the center. Pkt., 25c.
 5787 Arkwright Ruby. Bright ruby Crimson shaded terra-cotta; fragrant. Pkt., 25c.
 5788 Black Prince. 8 in. Velvety black. Pkt., 10c.
 5789 Blue Butterfly. Vivid mid-blue shading to white in the upper petals. Pkt., 25c.
 5801 Primrose Dame. Sulphur yellow. Pkt., 15c.
 5798 Lutea Splendens. 8 in. Bright yellow. 10c

See Novelties.

- 5813 VIOLA Vaughan's Special Mixture. A charming and delightful mixture of these bright and everblooming Violas in a complete color range, shading from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt. 25c



5852 XERANTHEMUM Superbissima. Pkt., 20c.

CORNUTA TYPE

- 5785 **Admiration.** Violet-blue.
 5789A **Blue Beauty.** This is a new bright blue. Pkt., 25c.
 5790 **Blue Perfection.** Light blue.
 5804 **Chantreyland.** Apricot, very free flowering. Pkt., 25c.
 5791 **Golden Orange.** Rich shade. Pkt., 15c.
 5793 **G. Wermig.** Resembles large violet. Pkt., 25c.
 5794 **G. Wermig, White.**
 5809 **Ilona.** Wine red. Pkt., 25c.
 5796 **Jersey Gem.** Flowers of rich pure violet, large and fragrant, flowering persistently all summer. Pkt., 25c.
 5799 **Mauve Queen.** Violet-mauve.
 5800 **Papilio Blue and White.** Flowers soft lavender-purple, lower petals flushed white.
 5810 **Primrose Perfection.** Beautiful shade of primrose, fine form. Pkt., 25c.
 5802 **Puck.** Upper petals purple-velvet, lower clear yellow. Pkt., 15c.
 5803 **Rosea.** Rose, varies.
 5806 **White Perfection.** Finest white.
 Any of above, pkt., 10c., except where noted.
 5795 **Nosegay.** A blend of bright gay colors, red, yellow, blue and apricot, combined with many blotched combinations. Pkt., 25c

- 5807 **W. H. Woodgate.** In habit the plant is compact and the color is of intense violet-purple, bluest of all. Comes true from seed. Pkt., 25c.
 5814 **Cornuta Small Flowered Type, Mixed.** ½ oz., 35c; pkt., 10c.

Miscellaneous Violas

- 5797 **Johnny-Jump-Up or Viola Tricolor.** The plants are easily raised from seed, come into bloom very quickly, and their little pansy faces of purple, blue and yellow are delightful. Perfectly hardy and will reseed itself. Pkt., 25c.
 5792 **Gracilis—Lord Nelson.** 6 in. Glowing violet purple. Pkt., 25c
 5657 **URSINIA Anethoides.** Orange - yellow. Pkt., 25c.
 5657A —Choice New Hybrids Mixed. Pkt., 25c.
 5656A —Pulchra. Is a dwarf variety with rich orange flowers and delicately cut foliage. Pkt., 25c.

Virginia Stock

Culture: D or E (March-May)

- 5815 **Mixed.** 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect, very fragrant. ¼ lb., 75c; oz., 25c; ½ oz., 15c; pkt., 10c.

Wallflower (Goldlack) ÷

Culture: D or E (Feb.-March)

- Wallflowers excel in adaptability for pot culture and out-door bedding and their fragrance and oriental coloring, rich reds and yellows. In the Northern states they should be wintered in coldframes. 18 inches.
 5820 **Single Mixed.** Pkt., 10c.
 5825 —Annual Blood-Red. Pkt., 10c.
 5824 —Goliath. Shining red with a velvety black sheen. Pkt., 10c.
 5830 —Annual Golden Gem. Pkt., 10c.
 5835 —Annual Mixed. Pkt., 10c.
 5840 **Double Mixed.** Pkt., 15c.
 5832 **Annual Double.** A fine pot plant, will bloom first year from seed, if sown early. Pkt., 15c.
 5845 **WHITLAVIA Gloxinoides Blue (California Canterbury Bells).** Pkt., 10c.
 6175 **ZEA Japonica Quadricolor Perfecta (Rainbow Corn).** Oz., 25c; pkt., 10c.



Zinnia

- 6126 **Vaughan's Mixture of Midget Zinnias.** Single, double and semi-double flowers are produced in abundance. Rich in orange, red, maroon and yellow tones, some showing red tipped with gold, salmon and gold, pure gold and rich cream. In form, many would hardly be recognized as zinnias. ¼ oz., 50c; ½ oz., 80c; pkt., 15c.



Zinnia

- 6110 **Red Riding-Hood.** 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. A customer writes: "Just imagine clumps of little red flowers, with maybe a hundred blooms. They have been in flower all summer through the heat and drought. They make buds as soon as they get started and keep merrily on their way." Oz., \$1.00; ¼ oz., 30c; pkt., 10c.

Wild Cucumber

Culture: A or B (March-June), D or E

- 5847 **Quickest growing climber on our list.** It is thickly dotted over with white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Sown on banks it will act as soil binder. 1 oz., 25c; ½ oz., 15c; pkt., 10c.

Xeranthemum (Everlasting)

Culture: D or E (March-May)

- 5849 **Double Mixed.** 2 ft. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. Pkt., 10c.
 5852 **Superbissima.** One of the loveliest of the everlastings, with flowers which retain their brilliant colors remarkably well when dried, this double pompon flowered xeranthemum may also be used as a cut flower when fresh. It makes delightful arrangements in small bowls. Pkt., 20c.

Small Flowered Zinnias

Culture: A or B (May 15th), D or E (March-April)—For Cultural Instructions, See Page 40.

THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers.



6105 ZINNIA Pumila Double Mixed. Pkt., 10c.

Pumila Double 18 in.

"Cut and Come Again"

On bushy plants 18 inches tall, fully double flowers are borne in abundance. The flowers average two inches across, and are held above the foliage on stout stems. They make fine border plants, registering color well, or excellent plants for large pots and tubs. They are also fine cut flowers.

- 6080 Snow Ball. 6095 Fire Ball.
6085 Golden Ball. 6097 Pinkie. Rose-pink.
6098 "Spun Gold." A delicately tinted butter-yellow.

6100 Watermelon Pink. A very pleasing and charming shade of salmon-rose.
Each of the above, ¼ oz., 25c; pkt., 10c.

6105 Pumila Mixed. Oz., 75c; ¼ oz., 25c; pkt., 10c.

6173 Vaughan's Novelty Mixture. All the new forms of the zinnia, such as the Cornucopia, Gaillardoides, and others. We recommend it to all interested in novelties. Pkt., 25c; 3 pkts., 65c.



5890 ZINNIA Halo. Pkt., 20c.

Cupid Type

Compact plants about 1 ft. tall, of bushy habit. Each upright stem bears a flower 1 in. in diameter. A mass of color through the summer and fall. Ideal for cutting and for use in miniature vases.

- 6020 Tiny Tim. Glowing scarlet.
6021 Pixie. Bright yellow.
6022 Snowdrop. Pure clear white; good mixer.
Each of the above, pkt., 15c.
6025 Cupid Mixed. Pkt., 10c.

Pompon (Lilliput) or Baby Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer. 12 to 15 in.

- 6052 Bright Pink. 6065 Salmon Rose Gem.
6061 Crimson Gem. Gem.
6062 Golden Gem. 6066 Scarlet Gem.
6062A Lilac Gem. 6067 White Gem.
6063 Orange Gem.
6064 Purple.
6068 Rose Bud. New rose-pink.
6069 Valencia. A real deep burnt orange.

Each of the above, ¼ oz., 30c; pkt., 10c.

6075 Lilliput Mixed. All the above and others. Oz., \$1.00; ¼ oz., 30c; pkt., 10c.

6070 Lilliput Pastel Mixture. 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c.

6120 Mexicana Fl. Pl. 16 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation. ½ oz., 25c; pkt., 10c.

6125 Mexicana Fl. Pl. Hybrids. 16 in. Double flowers in various shades of brown and orange. ½ oz., 25c; pkt., 10c.

6115 Mexicana or Miniature. Flowers small and showy, daisy-like in form, range in color from yellow to mahogany red, free flowering. Excellent for decorative bowl arrangements. ¼ oz., 25c; pkt., 10c.

Quilled Type

6158 Achievement or Victory Mixed. The petals are quilled, giving the appearance of a Cactus Dahlia in various shades of tan. Pkt., 15c.

Giant Picotee

6157 Giant Picotee Mixed. A distinct class with double flowers in orange, flesh, lemon, pink and cerise, each petal tipped with darker shades. Pkt., 15c.

See next page for other varieties of Zinnias.

Scabiosa Flowered or Harmony Type

6159 Mixed. 2½ ft. On a single corona of outside petals stands a semi-globular crown with a large number of small florets giving a most interesting effect, similar in form to the flowers of the Scabiosa. Pkt., 15c; 3 pkts., 40c; ¼ oz., 50c.

6160 Autumn Tints Mixed. Scabiosa flowered Zinnias make good cut flowers. This strain comes true in all the gorgeous autumn tints, including orange to terra-cotta. Pkt., 15c.

6159A Campfire (1940 Novelty). Vivid intense scarlet; very showy. Pkt., 25c.

6169A Sunburst. Bright canary yellow. Pkt., 15c.

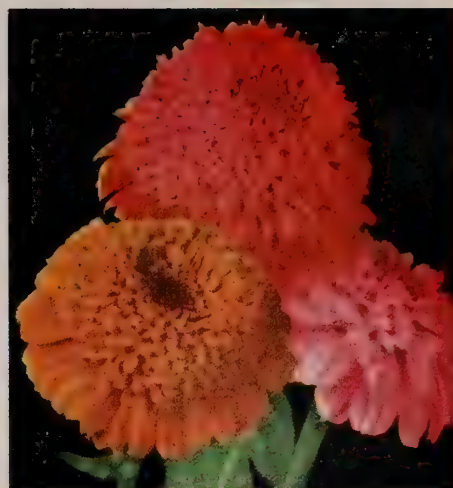
Zinnia Fantasy

Rounded medium-sized flowers, composed of a mass of shaggy ray-like petals.

- 5912 Orange Lady. Bright deep orange.
5911 Rosalie. Intense rose.
5909 Star Dust. Golden yellow.
5913 White Light. Pure white.
5914 Wildfire (1940 Novelty). Rich dazzling scarlet. Pkt., 25c.
5908 Mixed. A bright colorful mixture of shaggy petaled medium-sized double flowers.
Each of the above, except noted otherwise, pkt., 15c.

5900 Zebra Striped. Double striped varieties. Oz., 75c; ¼ oz., 25c; pkt., 10c.

5890 Halo. Neat well-rounded bushes, producing a wealth of dainty single blooms which are bright mahogany red, edged golden-yellow. Pkt., 20c.



6159 ZINNIA, Scabiosa Flowered Mixed. Pkt., 15c.



6127 Zinnia Linearis. 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter; at first each golden orange petal carried a greenish stripe down the center and a greenish tip, but as the flower developed, the green turned to light yellow, making a pleasing contrast with the orange of the outer portions. The quarter-inch orange center cushion turned dark as the flower developed, adding to the attractiveness of the bloom. Early flowering. Pkt., 15c.



5908 ZINNIA Fantasy Mixed. Pkt., 5c.

Collection of Six Packets Giant Zinnias for 50c.

Culture: A or B (May 15th), D or E (March-April)

6 PACKETS, CATALOG VALUE 90c. All Dahlia flowered. One each of Crimson Monarch, Dream, Polar Bear, Illumination, Old Gold and Eldorado prepaid. **50c**

Giant Dahlia Flowered Zinnias 2 to 3 ft.

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 inches in diameter, resembling Show Dahlias.

- 6132 **Buttercup.** An immense deep creamy yellow.
 - 6131 **Canary Bird.** A delicate shade of primrose.
 - 6133 **Crimson Monarch.** Rich crimson. Largest and best of red shades.
 - 6133A **Crown O'Gold Mixed.** Each petal is overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip. The color range comprises old rose, cream, yellow, carmine and burnished red.
 - 6131A **—Desert Gold.** The bicolor effect of deep golden-yellow at the base of each petal, contrasted with light or deeper gold at the tip.
 - 6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple).
 - 6134A **Eldorado.** Rose on deep salmon.
 - 6135 **Exquisite.** Color light rose with center a deep rose (Tyrian Rose).
 - 6135A **Giant Attraction.** Brick red.
 - 6137 **Golden Dawn.** This beautiful shade of golden-yellow with red center.
 - 6136 **Golden State.** A very rich orange-yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.
 - 6130 **Illumination.** Similar to Exquisite, but a striking self-color of deep rose.
 - 6128 **Lemon Beauty.** Lemon yellow turning to russet.
 - 6130A **Luminosa.** Bright deep pink.
 - 6142 **Meteor.** A rich glowing deep red, darkest of all red shades.
 - 6129 **Old Gold.** Glowing burnished deep and lighter shades of old gold.
 - 6129A **Old Rose.** Real old rose shade.
 - 6138 **Oriole.** An immense orange and gold bicolor.
 - 6144 **Pastel Shades.** Some prefer soft pastel tints of salmon, lavender, cream and white.
 - 6139 **Polar Bear.** A very large pure white, the best white yet.
 - 6139A **Purple Prince.** Deep purple.
 - 6140 **Scarlet Flame.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.
- Each of above, 1/4 oz., 50c; pkt. 15c

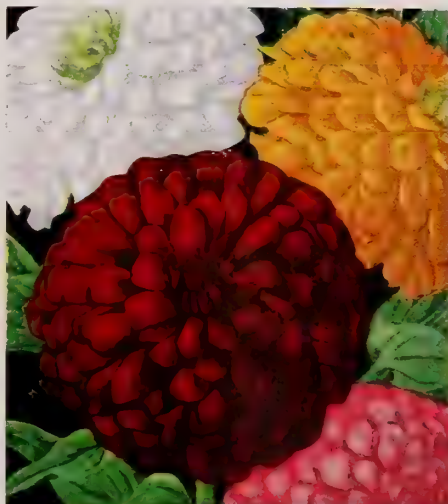


6145 **ZINNIAS Dahlia Flowered, Gold Medal Mixed.** All the above and others, including a bewildering variety of delightful colors, all giant flowers. A very charming and delightful surprise will result if you plant this. Oz., \$1.50; 1/4 oz., 50c; pkt., 15c.

California Giant Zinnias 3 to 4 ft.

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower graceful.

- 6161 **Brightness.** A bright, deep rose.
- 6164 **Cerise Queen.** Beautiful cerise rose.
- 6161A **Daffodil.** Bright canary yellow, so resembling Narcissus King Alfred in color, the name Daffodil is most appropriate.
- 6162 **Enchantress.** Giant flowers of light rose pink, early.
- 6146 **Grenadier.** A very dark red.
- 6168 **Isabellina.** A beautiful cream-yellow.
- 6147 **Lavender Gem.** A good clear lavender.
- 6150 **Lemon Queen.** The petals are light canary on the upper and cerise on the lower side. It is the only Zinnia with fragrance and of exceptional size.
- 6163 **Miss Willmott.** Soft pink.
- 6151 **Orange King.** Rich, deep orange.
- 6167 **Pink Profusion.** Delicate shrimp pink.
- 6153 **Purity.** A clean pure white.
- 6166 **Rose Queen.** Warm, deep rose, outstanding
- 6154 **Salmon Queen.** Salmon rose.
- 6165 **Scarlet Queen.** Glowing scarlet.
- 6149 **Violet Queen.** Deep purple.



6015 **ZINNIAS** Vaughan's Colossal Mixed. Pkt., 10c.

6145 **ZINNIAS** Dahlia Flowered, Gold Medal Mixed. Pkt., 15c.

Colossal or Giant 3 ft.

The flowers are of enormous size, thickly set with velvety petals.

- | | |
|---|---------------------------|
| 5926 Blood Red. | 5978 Lavender. |
| 5937 Bright Rose. | 5975 Orange. |
| 5976 Burnt Orange. | 5960 Pink Shades. |
| 5935 Buttercup. | 5943 Rose Queen. |
| 5930 Cream or Isabelina. | Deep rose, dark center |
| 5977 Crimson. | 5990 Royal Purple. |
| 5966 Faust. Blackish maroon, unusual shade, flowers smaller than others in this class. | 5944 Salmon Rose. |
| 5965 Golden Yellow. | 5980 Scarlet. |
| | 5985 Violet. |
| | 5925 White. |

Each of the above, oz., \$1.00; 1/4 oz., 30c; pkt., 10c; any 3 pkts. for 25c.
6015 **Vaughan's Colossal Zinnias, Mixed.** Oz., \$1.00; 1/4 oz., 30c; pkt., 10c.

Each of the above, 1/4 oz., 50c; pkt., 15c; any 4 pkts. for 50c.
6156 **California Giants Vaughan's Special Mixed.** Oz., \$1.50; 1/4 oz., 50c; pkt., 15c. See Novelties.

6170 **ZINNIAS** Vaughan's Special Mixture of all Giant sorts including the cream of the Dahlia Flowered, Colossal, California Giants and Picotee mixed. This will produce a mass of color and will make a corner gay in the garden. Oz., \$1.50; 1/4 oz., 50c; pkt. 25c

Perennial Flower Seeds and Plants

For Additional Perennial Seeds and Plants See Also Pages 81 to 87 Inclusive, and 113 to 116 Inclusive.

NOTE—All plants are F. O. B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted on page 81 or else they will be sent express at buyer's expense.



7190 **AQUILEGIA.** Vaughan's Special Mixture. Pkt., 25c.

7151 Dobbie's Imperial Hybrids. A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7150 Mrs. Scott Elliott's Strain of Long-Spurred Hybrids. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.



7073 X ANCHUSA Myosotidiflora. (The Forget-me-not Anchusa). 1 ft. April-May. A lovely spring perennial which blossoms with the late tulips, forming a mound of attractive foliage almost hidden by pale blue forget-me-not blossoms held above the foliage on straight stems. Germination is slow and fall sowing in an open seed bed gets good results. Pkt. (50 seeds), 35c. Plants, 3 for 85c; doz., \$2.50.

Alyssum (Madwort)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Showy free flowering spring-blooming plants, valuable for front row in border or rock garden.

7054 X Argenteum. 1 ft. Dwarf, yellow flowers, leaves silvery underneath. Pkt., 10c.

7055 X Saxatile Compactum (Basket of Gold). 9 in. Almost as soon as winter is over Alyssum Saxatile Compactum becomes a mass of yellow gold; a fine companion to spring bulb flowers. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7056 X Compactum Sulphureum. Pale lemon-colored flowers. Pkt., 15c.

7058 Rostratum. 20 inches. Flowers deep yellow in dense heads. Pkt., 25c.

7059 X Serpyllifolium (Thyme leaved). 3-4 in. Gray leaves, pale yellow flowers, excellent for dry sunny positions. Pkt., 15c.

Anchusa (African Forget-Me-Not)

Culture: B (Feb. to July 15th), D or E (March-July)
Among the few border subjects with blue flowers.

Affinis. See Novelty Pages.

7070 Italica, Dropmore Variety. 5 ft. June-July. Gentian-blue flowers. Thrives best in partial shade. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

7069 —Lissadell. 6 ft. Large, gentian-blue. 25c.

7072 —Opal. 3-5 ft. Light blue. Pkt., 15c

7071—Dwarf Dropmore. Of a much less spreading habit than others and bears larger flowers of a brighter blue. Pkt., 25c.

Morning Glory. See Novelty Pages.

Dainty Columbines

Culture: B (Feb. to July 15th), C (April-July), D or E (Mar.-July)

TO the exquisite daintiness and poetic beauty of these flowers, modern strains have added a wonderful range of colors, both of soft pastel and brilliant tones. They are easily grown from seed, prefer light shade, and thrive in any fairly rich soil.

7119 X Alpina. Powder blue. 2 ft. April-July. Pkt., 15c.

7119A Buergeriana. 1 ft. It bears charming delicate, yellow flowers tinted with purple. Pkt., 25c.

7121 California Hybrids. 3 ft. Long spurred, dark carmine-lake. Pkt., 20c

7120 Canadensis (American Columbine). 1 to 2 ft. May-July. Handsome scarlet and orange flowers. Pkt., 10c.

7125 Chrysantha. 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c

7126 —Silver Queen. 3 ft. Long spurred silvery white flowers. Pkt., 25c.

7131 Clematiflora Choice Mixed. A hybrid of the Scott Elliott Strain practically spurless. It has up to 15 flowers on a plant at the same time. Pkt. (60 seeds), 50c.

7140 Coerulea (Rocky Mountain Columbine). 1 to 2 ft. April-July. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7141 —Mrs. Nicholls. This is a glorified Rocky Mountain columbine with larger flowers, long spurs, and strong habit. Pkt., 50c.

7145 —Rosea (Rose Queen). 2½ ft. Light to dark rose, white center. Pkt., 25c.

7142 Colorado Rainbow Hybrids. Including blue, yellow, white, lavender, orchid, purple, three shades of red, all pink, pink and white, red and white and red and yellow, all in the native Columbine. Pkt., 25c.

7171 Edelweiss. 16 to 20 in. Large snow-white blossoms. Pkt., 25c.

7148 Flabellata Nana Alba. A charming dwarf variety for the rock garden; perfect foliage and ivory-white flowers. The whole plant not over 8 to 10 inches high. A quaint Japanese species. Pkt., 25c.

7154 Glandulosa Vera. 12 to 18 in. Bright sky-blue with white corolla. 50c.

7143 Longissima. A beautiful American species having spurs 4 inches in length on flowers of a delicate pale yellow. One of the most attractive Aquilegias. Pkt. (50 seeds), 50c.

Longissima Hybrids. See Novelty Pages.

7158 Long-Spurred Blue. Splendid selection from light to dark blue. Pkt., 35c.

7159 Long-Spurred Orange and Scarlet. Many unusual tones. Pkt., 35c.

7156 Long-Spurred Crimson Star.—See Page 6.

Long-Spurred Azure Fairy. See Novelty Pages.

7157 Long-Spurred Copper Queen. Lovely deep copper with long spurs of deeper hue, while the inside of the corolla is buff. The guard petals are unusually broad, and the flowers gracefully poised. Pkt., 50c.

7165 Skinneri (Mexican Columbine). 2 to 3 ft. June-August. Scarlet and yellow. Pkt., 15c

7152 Talisman (Jaetschau). 3 ft. Large-flowered yellow, red spurs. Pkt., 25c.

7190 Aquilegia Vaughan's Special Mixture.

Includes all the varieties mentioned and new colors not found elsewhere. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7181 Double White. Pkt., 25c.

7182 Double Old Rose. Pkt., 25c.

These have small double flowers like miniature roses and bloom very freely.

See also Novelty Pages.

For Cultural Instructions, See Page 40.



7055 ALYSSUM Saxatile Compactum. Pkt., 10c. Plants, 3 for 85c.



7270 **CAMPANULA** *Calycanthera* (Cup and Saucer) Mixed. Pkt., 10c. Plants, 3 for 85c.



7260 **CAMPANULA** *Carpatica*. Pkt., 10c.



7310 **CAMPANULA** (Canterbury Bells) Single Mixed. Pkt., 10c. Plants, 3 for 65c.

Canterbury Bells and Other Campanulas

Culture: B (Feb. to July 15th), D or E (Mar.-July)

This brilliant family includes the Canterbury Bells and Cup and Saucer type, which are biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately pyramidalis and persicifolia types which reach 6 feet. While large growing types demand rich soil, there are no flowers more thrifty or adaptable than the small and medium sized Campanulas.

CUP AND SAUCER

- 7270 **Calycanthera Mixed.** 2 ft. June-Aug.
 7275 —White. Plants, 3 for 85c; doz., \$2.50.
 7280 —Pink. Plants, 3 for 85c; doz., \$2.50.
 7285 —Blue. Plants, 3 for 85c; doz., \$2.50.
 7284 —Lilac.

Each of above, pkt., 10c.

CANTERBURY BELLS

- 7325 **Double Pink.** 7330 **Double Mixed.**
 7315 **Double White.** 7320 **Double Blue.**
 7300 **Single Blue.** Plants, 3 for 85c; doz., \$2.50.
 7301 **Single Lilac.** Pkt., 15c.
 7305 **Single Pink.** Plants, 3 for 85c; doz., \$2.50.
 7295 **Single White.** 2 ft. June. Plants, 3 for 85c; doz., \$2.50.
 7310 **Single Mixed Colors.** Plants, 3 for 65c; doz., \$2.00.

Each of the above, except where noted, pkt., 10c.

OTHER CAMPANULAS

- 7259 **Alliariaefolia.** Creamy white flowers; desirable border plant. 2½ ft. Pkt., 25c.
 7260 × **Carpatica (Harebell).** 9 in. June to Aug. Forms tufts of neat foliage above which are borne cup shaped, upright blooms of a glistening light violet-blue, freely produced. Splendid for edging, dry walls and border. Likes partial shade. Pkt., 10c.
 7265 × —Alba. 9 in. July. Pure white. Pkt., 10c.
 7258 **Collina.** 8 in. Upright, compact, bushy habit, in May and June thickly covered with intense campanula blue pendent flowers. Excellent for edging and rockery. Pkt., 25c.
 7334 × **Fragilis, The Basket Campanula (Blue Star of Bethlehem).** Is of prostrate trailing habit and has large pale blue flowers. It likes a well drained position with as little moisture as possible. If sown early blooms the first year. Half hardy. 25c.
 7331 **Garganica.** Beautiful star-shaped sky blue flowers fairly cover the trailing plants, excellent for walls or rock gardens. Pkt., 15c.
 7333 **Glomerata Superba (Clustered Bellflower).** Beautiful dark violet flowers borne in clusters. A splendid variety for full sun or partial shade. June-July. 20 in. Pkt., 25c.
 7335 **Lactiflora Coerulea.** Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.
 7338 **Latifolia Macrantha.** 3 ft. Erect stems, large bells, violet-blue. Pkt., 15c.
 7344 **Persicifolia (Peach Bells).** Blue. 2-3 ft. June-July. Fine border plant. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
 7345 —Alba. White. Pkt., 25c.

- 7350 **Persicifolia, Mixed.** Blue and white. 25c.
 7346 —**Telham Beauty.** 4 ft. It produces on long stems very large globular open flowers of a lovely china-blue with silvery shading. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
 7351 —**Coerulea Plena.** Double blue peach bells. Height, 30 in. Pkt., 35c.
 7352 —**Alba Plena.** Double white. Pkt., 35c.
 7340 × **Pusilla.** Light blue bells, very free blooming. 4 in. July. Pkt., 25c.
 7355 **Pyramidalis (Chimney Bellflower).** Blue. 5-6 ft. August-Sept. Pkt., 10c.
 7365 —Mixed. Pkt., 10c.

- 7366 × **Rotundifolia (Blue Bells of Scotland).** 6-12 in. Matted foliage, slender, branching stems, covered with dainty frail blue flowers. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.
 7371 —**Olympica.** 12 in. A fine alpine from the Olympian Mountains. Blooms freely summer and fall. The light blue bells and grass-like leaves grow from a creeping root. Pkt., 35c.
 7361 × **Turbinata.** 6 in. A beautiful variety, forms close mats of foliage and bears large cup-shaped flowers of blue, smothering it. June-July. Pkt., 20c.
 7370 **Vaughan's Special Mixture of Campanulas.** A grand assortment of all varieties. Fine for cut flowers. ⅓ oz 50c; pkt., 25c.

Coreopsis

Culture: B (Feb. to July 15th), D or E (Mar.-July)



- 7496 **COREOPSIS** Double Flowering. Pkt., 15c. Plants, 3 for \$1.00.
 7497 **Diadem (Grandiflora Auriculata Superba).** 2 ft. July-August. Single 3-in. flowers of deep yellow, with a maroon blotch. Pkt., 15c.
 7495 **Lanceolata Grandiflora.** 2 ft. June-October. Large orange-yellow flowers on long graceful stems. About the best yellow cut flower blooming incessantly. One of the perennials which will flower the first year if sown early. ¼ oz., 25c; pkt., 10c. Plants, 3 for 65c; doz., \$2.00.
 7496 —**Double Flowering (Grandiflora Fl. Pl. Special Selection).** A well fixed double and semi-double strain of the above, vigorous and free flowering. Pkt., 15c. Plants, 3 for \$1.00; doz., \$3.50.
 7494 **Mayfield Giants.** A fine perennial of Australian origin. It produces a taller and more vigorous plant than the type, with longer and firmer stems and larger individual blooms of which the ray petals are broader. Pkt., 20c.

Double Sunburst. See Novelty Pages.

Dicentra (Dielytra)

(Bleeding Heart or Seal Flower)

Culture: B (Feb. to July 15th), C (Nov.-Mar.)
 Best sown in fall; needs freezing to germinate.

- 7718 **Eximia (Plumy Bleeding Heart).** Dwarf; reddish purple. May and June. 12 in. Pkt., 25c.
 7719 **Spectabilis.** Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border, especially in the shade. Pkt., 35c. Plants, 3 for \$1.25; doz., \$4.00



7719 **DICENTRA** *Spectabilis*. Pkt., 35c. Plants, 3 for \$1.25.

For Other Perennials, Seed and Plants, See Novelty Pages, 5 to 12; Pages 81 to 87 in General List, and Pages 113 to 116 for Plant Specialties.

Stately Delphinium

(Hardy Larkspurs)

Culture: B (Mar.-Sept. 1st), D or E (Mar.-May)

Modern hybrid Delphiniums have become the dominant flowers in the perennial border of late June. In deep, rich soil, they grow six feet tall or more, with huge spikes of large flowers, varying in colors from the darkest violet to pale lavender. Lower growing types are also valuable for both border and cut flower use; the Chinese and Butterfly types are fine for bedding. With hybrids, plants established several years produce the best flowers. If the bloom is cut down to the ground, a second flowering spike is produced.

NOTE—A teaspoonful of sugar in the water will delay shattering of cut delphiniums two or three days.

Taller Species and Hybrids

7550 Belladonna Improved Cliveden Beauty. 2 ft. June-July. Exquisite turquoise blue. Pkt., 20c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7552 Bellamosum Improved. Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. Pkt., 25c. Plants, 3 for 85c.

7564 Blackmore and Langdon Strain. All the clear shades of blue, with bees of contrasting colors. Pkt., 50c.

7547 Cardinale. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers, seed germinates slowly. 2-3 ft. Pkt., 25c.

Chinese. See page 57.

7568 Double Selecta. New hybrids producing 90% extra double flowers of large size and excellent color variation. Pkt., 50c.

7540 Double Mixed. 3 ft. Pkt., 15c.

7555 Indigo (True Blue). 3 ft. Pure indigo-blue, comes true from seed. Pkt., 35c.

7542 Lamartine. This is not a new Delphinium, yet it is found in few gardens. It should be in every garden. We know of no other blue flower that is more beautiful. It makes a sturdy, vigorous, healthy plant five feet tall which blooms from June until frost. The flowers are a rich, deep blue with a pure white eye. We have seen flower spikes of these gorgeous flowers over two feet in length. Perfectly hardy, easy to grow and succeeds everywhere. Seeds, pkt., 25c. Plants, 3 for \$1.00.

7555A Nudicaule. 1-1½ ft. April-July. Dwarf brilliant scarlet flowers. Seed very slow of germination. Pkt., 25c.

7555B —Lemon Gem. Clear yellow self. Pkt., 25c.

Pacific Hybrids. See inside back cover and novelty page.

7569 Wrexham Hollyhock-Flowered Strain, Mixed. New giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor, 1½ to 2 inches in diameter, many double. Plants, 3 for \$1.25; doz., \$4.00; 100, \$25.00.

7569D Wrexham Art Shades. Includes many pastel shades.

7569B —Light Blue Shades.

7569C —Mid-Blue Shades.

7569A —Deep Blue Shades. Each of above, pkt., 50c.

7570 Vaughan's Gold Medal Hybrids. This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7571 DELPHINIUM Vaughan's Special Mixture. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c.



7569 DELPHINIUM Wrexham Hollyhock-Flowered Strain, Mixed. Pkt., 50c. Plants, 3 for \$1.25.

For Cultural
Instructions
See Page 40.



Dictamnus (Gas Plant)

Culture: B (Feb. to July 15th), C (Nov.-March)

This bushy perennial with its attractive flower spikes blooms with the tall bearded iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved

7720 Fraxinella. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

7725 —Albus. 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt. 15c. Plants, 3 for 85c; doz., \$2.50.

DOUBLE TYPES OF

Hardy Carnations

Beatrix. 16 in. A new and improved variety of everblooming habit. Has large, double, pale salmon-pink blooms, very fragrant and giving an abundance of bloom all summer. Makes a fine border or rock plant. Plants, 3 for \$1.00; doz., \$3.50.

Crimson King. 2 ft. Probably the finest of the hybrid types closely resembling a carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvety appearance borne in profusion in June and continuing until heavy frost. Blooms are very double, often 2 inches diameter and possess the true carnation fragrance. Plants, each, 35c; 3 for 85c; doz., \$2.50.

Red Beauty. A hardy double type of rich fragrance and good blooming habit. Full double red flowers. Plants, 3 for 85c; doz., \$2.50.



CARNATION Crimson King, all summer bloomer, bright crimson. Plants, each, 35c; 3 for 85c; doz., \$2.50.



7625 **DIANTHUS Plumarius** Vaughan's Special Mixed. Pkt., 25c. Plants, 3 for 65c.

Hardy Pinks (Dianthus)

Culture: B (Feb. to July 15th), D or E (Feb.-April) In the rocky and in the border the Dianthus family is of value. Both flowers and greyish-green foliage are decorative, the former ranging from the tiny single blossoms of the deltoideus type to large double carnations. Most of them grow easily from seed, thrive in ordinary soil and are perfectly hardy.

7576 X Allwoodi Alpinus. Perennial Dianthus, flowering the first year from seed. It is only four to six inches high, has single and semi-double flowers and contains all the Dianthus colors. Is a perfect gem for the rock garden. Pkt., 50c.

7575 Allwoodi Mixed. The flowers are about 75 percent double and appear in all colors except yellow. The single flowers are quite as handsome as the double and have the advantage of making large clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt. (50 seeds), 25c.

7579 X Arenarius (Sand Pink). 6 in. Flowers white, fringed. Pkt., 25c.

7578 X Atro-coccineus (Everblooming Sweet William) Cruentus. 15-18 in. Crimson, semi to full double flowers. Pkt., 10c.

7580 X Caesius (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c.

2930 Delight. 9 in. It has a neat, erect habit of growth which is continuous, flowering out of doors from June until October, producing flowers about an inch in diameter, not in trusses, but in alternating spikes in great profusion. There is a bewildering range of colors from the palest pink to purple. Pkt., 35c.

7582 X Deltoideus Brilliant (Maiden Pink). 8 in. Delicate pink blossom carried above fine, feathery foliage. Pkt., 25c.

7588 —Major Stern. A new form with bright crimson flowers and dark foliage, free flowering. 35c.

7583 X Graniticus. 4 in. Low growing, forming dense carpet covered with crimson flowers in May and June. Pkt., 25c.

7581 Knappii. A yellow "hardy pink," unusual color for this family. Clusters of clear golden yellow flowers appear above the grassy green foliage. Pkt., 25c.

7631 Loveliness. The flowers have large lacinated petals of a most exquisite mauve-pink, of delightful fragrance. Pkt. (25 seeds), 25c.

7589 Neglectus Rose Cushion. From a little cushion of grey-green foliage in late May the flowers appear as if by magic. The color is pure pink, the flower about 3/4 in. across and the plant about 3 to 4 in. tall. Pkt., 50c.

New Blue. See Novelty Pages.

7587 Best Rock Garden Varieties, Mixed. Rock gardens now so popular need the low growing Dianthus to brighten spots and fill in crevices with its attractive flowers. Pkt., 25c.

7632 Double Scotch Pinks. This mixture contains a great range of colors such as white, crimson, red and pink. Flowers are very sweet; about 65 percent of the flowers will be double. Pkt., 35c.

2921 Double Sweet Wivelsfield. The original single was a cross of the Dianthus Alwoodi and Sweet William. This has the same characteristics only the flowers are double. Brilliant colors, some with honey fragrance. Pkt., 25c.

7592 Winteri. Striking new Pinks awarded First-Class Certificate by R. H. S. The flowers are of pure colors, habit compact; flowers first year from seed; deliciously scented. Pkt., 50c.

CLOVE OR GRASS PINKS (Plumarius)

Plumarius is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.

7591 X Albus Plenus. Double white. Pkt., 25c.

7590 X Cyclops Red Hybrids (Clove Pink). 1 ft. An exquisite mixture of rose and red varieties; fragrant. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7680 X Double Mixed. Fine for cutting. Pkt., 10c.

7584 Highland Queen. The most brilliant perennial Dianthus in cultivation, bearing in profusion flowers of a lustrous scarlet-vermilion color. It is extremely hardy, of vigorous growth, continuing in bloom from May until November. Pkt., 35c.

7585 Highland Hybrids. Tall, strong stemmed pinks in very varied colors, beautifully marked and zoned. Pkt., 35c.

7595 Little Jock Hybrids. 6-8 in. Compact plants produce a multitude of fringed flowers, an inch across, in pink, rose and white, 50 percent double. Pkt., 35c.

7605 X Nanus Fl. Pl. 1 ft. Double dwarf mixed. 15c.

7609 X Spring Beauty. Double giant-flowered grass pinks, carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c.

7615 X Single Mixed. Delicately fringed. Pkt., 10c.

7634 Vaginatius. 18 in. Covered with vivid cardinal red flowers on stems 16 inches long. Useful for the border or rock garden. Pkt., 30c.

7625 X Vaughan's Special Mixture. A grand selection of clove pinks of the above Plumarius type and others. Pkt., 25c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.



7775 **DIGITALIS** Vaughan's Special Mixture. Pkt., 15c. Plants, 3 for 85c.

Foxgloves (Digitalis)

Culture: B (Feb. to July 15th)

These are biennials and should be sown every year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter. Their tall spires of brilliant color are among the border's most conspicuous ornaments.

7751 Canariensis. Canary yellow. Pkt., 25c.

7730 Gloxiniaeflora White. Flowers shaped and spotted like gloxinias. 2-4 ft. June-July. Pkt., 10c.

7735 —Pink. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7740 —Purple. Pkt., 10c.

7736 —Isabellina. 5 ft. A very striking variety, producing yellow flowers which gradually develop a chamois or buff shade. Pkt., 25c.

7745 —Mixed Colors. Pkt., 10c.

7760 Monstrosa Mixed. Long spikes surmounted by one enormous flower. Pkt., 10c.

7768 The Shirley Hybrids. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractively dotted with crimson or chocolate. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7750 Grandiflora. 2 to 3 ft. June-July. Yellowish flowers marked with brown. Pkt., 10c.

7769 Hybrida Lutzii. 4 ft. Salmon. Pkt., 20c.

7775 Vaughan's Special Mixture of Digitalis.

The above, and other colors. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.



7715 **SWEET WILLIAM** Vaughan's Special Mixture. Pkt., 25c. Plants, 3 for 65c.

Dianthus Barbatus (Sweet William)

Culture: B (Feb. to July 15th), D or E (Mar.-July) Among the early hardy plants, they are outstanding. They appreciate rich soil. To be sure of large plants and flowers sow new seed each year. 18-24 inches May-June.

7640 Copper Red. A new and rich color. Pkt., 15c.

Homeland. See Novelty Pages.

7655 Nigrescens. Almost black. Pkt., 10c.

7660 Newport Pink. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7661 Purple Beauty. Bright deep purple. Pkt., 10c.

7635 Scarlet Beauty. A charming and distinct color. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

7646 Giant White. Large white flowers. Pkt., 15c.

7665 Single Albus. White. 10c. Plants, 3 for 85c.

7670 —Atro-sanguineus. Blood-red. Pkt., 10c.

7676 —Turkey Red. Pkt., 10c.

7685 —Giant-Flowered Mixed. Pkt., 10c.

Double Varieties

Seedlings of all double Sweet William produce about 40% of single blooming plants.

7690 White. 7703 **Nigrescens (Black).**

7695 Rose. 7698 **Salmon Rose, 15c.**

7700 Blood-Red. 7705 **Mixed.**

Each of above, pkt., 10c, except where noted.

7710 Double Giant-Flowered Mixed. Pkt., 15c.

7711 Double Dwarf Mixed. Pkt., 15c.

7715 Vaughan's Special Mixture, Sweet William.

A mixture of all listed and others. Pkt., 25c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

Superb Mixture of New Colors. See Novelty Pages.

Midjet Single Mixed. See Novelty Pages.

2190 Madam Butterfly. A rare Japanese Sweet William which blooms from seed the first year. They are especially interesting as they are so unusual. Their silken fringed petals are white and pink. Pkt., 25c; 3 pkts. for 65c.

PERENNIAL SEED MIXTURES

Many have asked for a mixture of perennial seeds similar to our popular surprise garden of annuals, so we have made the following mixtures, carefully blended.

8600 Dwarf Sorts Mixed. From 6 to 15 in.

8601 Medium Sorts Mixed. 18 to 36 in.

8602 Tall Sorts Mixed. 3 ft. and upwards. Each of above, per pkt., 25c; three pkts. for 65c.

Seed Germinates Slowly and Irregularly

of the following varieties and seed bed should be prepared where it will be undisturbed for a year or more. **Acanthus Mollis, Aconitum, Adonis Vernalis, Anemone, Asperula Odorata, Clematis, Delphinium Cardinale, Delphinium Zailii, Delphinium Nudicaule, Dictamnus, Delytra, Eremurus, Gentiana Acaulis, Helleborus Niger, Incarvillea, Iris, Meconopsis Baileyi, Peony, Phlox Decussata, Primulas, Trollius.**



7812 **GAILLARDIA Burgundy.** Pkt., 25c. Plants, 3 for 85c.

Gaillardias

Culture: A (Mar.-July), B (Feb. to July 15th), D or E (Mar.-July)

For cheerful long lasting garden color, Gaillardias are indispensable. Groupings of them here and there in front of shrubs will provide splashes of color for weeks and weeks.

- 7810 **Grandiflora, Mixed.** Composite flowers variegated with shades of red and yellow. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.
 - 7813 **—Bremen.** 2 ft. Splendid coppery scarlet, yellow tips. Blooms all summer. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.
 - 7812 **—Burgundy.** Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
 - 7811 **—Dazzler.** Large golden yellow flowers with rich maroon center. Pkt., 25c.
 - 7817 **—Goblin.** 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.
 - 7815 **—Maxima Aurea.** Very large golden yellow flowers with large red eye. Pkt., 15c.
 - 7836 **—Portola Hybrids.** 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c.
 - 7831 **—Tangerine.** Compact grower. Large tangerine orange-colored flowers. Pkt., 25c.
 - 7816 **—Torchtlight.** 2 to 2½ ft. Compact habit, flowers golden yellow with maroon center, often 5 in. Pkt., 25c. Plants, 3 for 85c.
 - 7835 **—New Hybrids.** Large flowers in a variety of colors. Pkt., 25c. Plants, 3 for 85c.
- Gaillardia Sun God.** See Page 114.

Hesperis Matronalis

(Sweet Rocket—Evening Scented Stock)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

The fragrant flower-heads of these thrifty flowers, somewhat resembling perennial phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

- 7930 **Purpurea.** Purple. ½ oz., 30c; pkt 10c.
- 7935 **—Alba.** White. 10c. **7936 —Mixed.** 10c.



7930 **HESPERIS Purpurea.** Pkt., 10c.



7855 **GEUM Mrs. Bradshaw.** Pkt., 25c. Plants, 3 for 85c.

Geum

Culture: B (Feb. to July 15th), C (Oct.-Mar.), D or E (Mar.-July)

Geums are showy, producing a wealth of attractive flowers much prized for cutting. Excellent for border culture.

- 7851 **×Borezi.** 16 in. June-Oct. Single deep orange flowers on bushy plants, grey-green leaves. Pkt., 25c.
- 7850 **Coccineum Atrosanguineum Plenum.** 1½ ft. May-July. Double, bright scarlet. Pkt., 15c.
- Fire Opal.** Outstanding new variety with dazzling rich scarlet blooms having an orange sheen. Plants, 3 for \$1.00; doz., \$3.50.
- 7852 **Lady Stratheden (Golden Ball).** Flowers loosely double; a delightful shade of golden yellow. Pkt., 35c. Plants, 3 for 85c; doz., \$2.50.
- 7855 **Mrs. Bradshaw.** 2 ft. The double orange-scarlet flowers are very large and full. June-Sept. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
- 7853 **Orange Queen.** Flowers large and semi-double, of a beautiful orange-scarlet. Valuable for cutting. Pkt., 30c. Plants, 3 for 85c; doz., \$2.50.



7943 **HEUCHERA New Hybrids.** Pkt., 25c. Plants, 3 for \$1.00.

Heuchera (Coralbells)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Beautiful both in border and in rockery.

- 7941 **×Brizoides Gracillima.** May-June. Bright flesh-pink. 2 ft. Pkt., 25c. Plants, 3 for \$1.00.
- Hood Acres Hybrids.** See Novelty Pages.
- 7940 **Sanguinea.** 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.
- 7943 **—New Hybrids.** All shades of red and coral pink. This is a mixture which is highly spoken of because of its fine coloring, large flowers and free flowering. Pkt., 25c. Plants, 3 for \$1.00.



8015 **HOLLYHOCKS** Vaughan's Prize Double Mixture. Pkt., 10c. Plants, 3 for 85c.

Hollyhocks

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Hollyhocks are most decorative and the great spikes of bloom are "Towers of Beauty" to the garden picture. Following delphiniums in the border show, have a long season of bloom which can be prolonged by picking off faded flowers, and a second crop will come if the first stalks are cut back. Need well drained location.

Double Varieties

- | | |
|--|----------------------------------|
| 8000 Blood-Red. | 7980 Rose. |
| 7971 Colorado Sunset. | Scarlet. See Novelty Pgs. |
| 7995 Crimson. | 7990 Salmon. |
| 7975 Maroon. | 7992 White. |
| Orange Prince. See Novelty Pages. | 7992 Yellow. |
- 8004 **Lilac Beauty.** A clear bright lilac color.
 - 8005 **Newport Pink.** The finest pure pink. Each of above, pkt., 10c.
 - Plants, of double Hollyhocks in 5 separate colors, 3 for 85c; doz., \$2.50; 100, \$15.00.
 - Begonia Flowered Pastel Shades.** See Novelty Pages.
 - 8015 **Vaughan's Prize Double Mixture.** Finest shades in perfect flowers. Pkt., 10c; ¼ oz., 40c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
 - 8010 **Allegheny Mixed.** Flowers come single, semi-double and double, about 5 inches across, and are beautifully fringed. Pkt., 10c.
 - Allegheny Rosette.** See Novelty Pages
 - 7991 **Fringed Mixed.** Grows 4-5 ft. high and is of branching habit, all the stems being studded by prettily waved and fringed flowers which appear in an entirely new range of color. Pkt., 25c.
 - Double Mixed Souvenir de Madam Perrin.** See Novelty Pages.
 - 8016 **Vaughan's Special Mixture.** This mixture is composed of all the best double varieties as well as two new French strains, not offered before. A most interesting combination of types and colors. Pkt., 25c.

Single Varieties

- | | |
|----------------------------|--------------------------------|
| 8030 Maroon(Black). | 8050 Salmon. |
| 8025 Pink. | 8045 White. |
| 8020 Red. | 8051 Yellow. |
| 8040 Rose. | 8055 Mixed. ¼ oz., 30c. |
- Each of above, pkt., 10c; any 3 for 25c.
Indian Spring and Everblooming. See Annual Pages.

Grow Iris From Seed

Culture: A or B (Mar.-July), C (Oct.-March)

8090 **Kaempferi (Japanese Iris).** Japanese Irises grow easily from seed sown in either the spring or fall. Flowering plants are often produced the first year. They will thrive in well drained soil, but require plenty of water in the flowering season. Pool margins are a good location. Pkt., 25c.

8092 **Siberian.** This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Seed from our own nursery. Pkt., 15c. For Iris plants see Page 100.

Dicotoma Seed. See Novelty Pages.



8179 LUPINUS Polyphyllus Vaughan's Special Mixture. Pkt., 25c. Plants, 3 for 85c.

Lupins

Culture: A or B (Mar.-July), D or E (Mar.-April)
Inoculate Lupin seeds with Nitragin. Two garden sizes, 10c and 25c.

- 8170 **Albus.** Large, pure white spikes. Pkt., 10c.
8172 **Atro-Violaceus.** Large dark blue. Pkt., 25c.
8165 **Blue.** Stately spikes of blue. Pkt., 10c.
8166 **Chocolate Soldier.** Yellow to chocolate. 15c.
8168 **C. M. Prichard.** Pale salmon-orange. 15c.
8174 **Downer's Hybrids.** Perpetual flowering new hybrids. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
8173 **Harkness' Regal Mixture.** Charming new colors. Pkt., 25c.
8176 **Lavender Queen.** Lavender tinted pink. 25c.
8169 **Luteus.** Yellow shades. Pkt., 15c.
8177 **Princess Juliana.** Pink. Pkt., 25c.
8175 **Roseus.** 4 ft. Light and dark rose. Pkt., 15c.

8171A "Russell," Re-selected Green Seal Strain. These remarkable lupins are the result of the continuous labor of many years. The spikes of bloom are often 3½ ft. and more in length. Flowers are fan shaped, the standard being expanded like that of a Sweet Pea. The coloring has an enormous range and unique character. Flowers in 4 months from sowing. Gold Medal award by the R.H.S. 20 seeds, 50c; 65 seeds, \$1.25, in originator's packets.

8171 "Russell" (Grown from originator's stock seed). A fine collection. 50 seeds, 25c.
Famous Russell Strain. Mixed colors, strong, blooming size. Plants, 3 for 85c; doz., \$2.50.

- 8177A **Salmoneus.** Many salmon tints. Pkt., 20c.
8182 **Six Hills Scented Mixed.** Fragrant, great range of color. Pkt., 15c.
8178 **Sunshine.** Yellow. Pkt., 25c.
8179 **Vaughan's Special Mixture.** This is a choice mixture of the best English and other European strains, including recent novelties. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
8180 **Mixed.** Splendid value. Pkt., 10c.

Pyrethrums

(Painted Daisy) May-June

- Culture: B (Feb. to July 15th), D or E (Mar.-July)
Their large flowers, well named painted daisies, blossom with the tall iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.
- 8437 **Comet Flowered Ostrich Feather.** Single and semi-double with twisted petals. Pkt., 25c.
8440 **Grandiflorum Single Mixed.** Pkt., 15c. Plants, 3 for 65c.
8431 **—Roseum.** Immense deep rose. Pkt., 50c.
8432 **—Rubrum.** The color might best be described as deep ruby-red. Pkt., 50c.
8435A **—White.** Pure white and of true giant flowering type. Pkt., 50c.
8430 **Double Mixed.** Extra choice, selected seed. Nor all will be double the first year but the doubles will increase the second year. Pkt., 35c.

Perennial Poppies

Culture: B (Feb. to July 15th),
D or E (Mar.-July)

ICELAND or Nudicaule

The bright colored flowers are borne on stems which rise to a foot above a tuft of fern-like leaves. Cool moist soil is necessary, and light shade preferred. If faded flowers are picked off they blossom all summer, and they usually bloom the first year from seed. 12 inches.

- 8275 × **Yellow.** 8270 × **Mixed.**
8282 × **White.** 8280 × **Orange.**
Each of above Nudicaule varieties, pkt., 10c.
8281 **Amurense Yellow Wonder.** Large flowers of buttercup yellow. Pkt., 25c.
8289 × **Coonara Pinks.** Lovely flowers, pink, salmon pink and salmon shades. Pkt., 15c.
8290 × **Double Mixed.** Extra fine strain. Pkt., 15c.
8276 **El Monte.** Deep tangerine orange flowers on long wiry stems. Fine for cutting. Pkt., 15c.

8288 × **Gibson's New Giant Orange.** Pkt., 20c.

8286 × **Sunbeams Mixed.** This is a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, and other tints. Pkt., 25c.

8277 **Gartref.** Large flowers in choice art shades all edged in a contrasting tone. Pkt., 25c.

8278 **Sandford's Giant Strain.** Immense flowers in a beautiful color range. Pkt., 20c.

8292 **Empress.** 18-22 in. A companion to Emperor, even more nearly double, with unique color range of salmon rose and pink tones. Pkt., 25c.

8279 **Vaughan's Special Iceland Poppy Mixture.** We have included in this all the newer varieties and older forms. Pkt., 25c.



8293 **POPPY Iceland Emperor.** 18-22 in. Finest giant orange variety, of distinct new form, with broad overlapping fluted petals giving effect of semi-doubleness. Blooms freely first year from seed. Pkt., 25c.

8269 × **Alpine Mixed.** 6 in. A charming miniature with brilliant flowers, white, pink, apricot, yellow, orange-scarlet, etc. Pkt., 35c.

ORIENTALE (Oriental Poppy) 3 ft. May-June
These gorgeous spring flowers, often six inches across, of vivid coloring, may be left undisturbed for years. They are beautiful with the tall bearded Iris.

8307 **Beauty of Livermere.** Dark ox-blood. Pkt., 25c. Plants, 35c; 3 for \$1.00; doz., \$3.50

8311 **Carneum.** Light and dark salmon-pink shades (70% true). Pkt., 25c.

8308 **Mahoney.** Maroon, shaded crimson. Pkt., 15c.

8309 **Mrs. Perry.** Delicate salmon-rose with black blotches. Pkt., 25c. Plants, 30c; 3 for 85c; doz., \$2.50.

8309A **Olympia.** Rich scarlet. Pkt., 25c.

8306 **Perry's White.** 2½ ft. Large, handsome satiny white flowers with purple-black blotch at base of each petal. Pkt., 25c. Plants, each, 35c; 3 for \$1.00.

8305 **Princess Victoria Louise.** Large flowers, soft lilac-rose color. Pkt., 15c.

8310 **Red.** Very striking color. Pkt., 10c.

8312 **The Feltham.** A strain lacking the usual black blotches at base of petals. It has scarlet, orange-scarlet, apricot, etc. Pkt., 25c.

8313 **New Named Varieties.** Seed collected from the field of the newer named sorts, and should furnish many attractive additions. Pkt., 25c.

8315 **Hybrids Mixed.** Pkt., 15c.

8314 **Vaughan's Special Mixture of Oriental Poppies.** Pkt., 25c.



8440 **PYRETHRUM Grandiflorum Single Mixed.** Pkt., 15c. Plants, 3 for 65c.

8441 **Single Album.** White.

8444 **—Atro-sanguineum.** Blood-red.

8442 **—Carneum.** Flesh. 8443 **Roseum.** Rose. Each of the above, pkt., 15c.

8436 **—James Kelway.** Rich velvety blood-red. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

8435 **Single Mixed.** Pkt., 10c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

8428 × **Ptarmicaeflorum.** 10 in. Bushy plants with graceful, fine feathery silvery white foliage. Pkt., 25c.

8439 **Uliginosum.** A hardy and vigorous fall daisy bearing large white flowers in September. Pkt., 15c.
Tchihatchewii (Turking Daisy). For poor soils. Pkt., 25c.

PLANTS OF ORIENTAL POPPIES

Wunderkind. Enormous carmine pink, vigorous growth. Plants, 40c; 3 for \$1.25.

Jeannie Mawson. 2½ ft. Charming geranium pink, large flowers on stiff stems. Plants, 35c; 3 for \$1.00; doz., \$3.50.

Joyce. 4 ft. A tall cherry-red poppy of medium size. Plants, 35c; 3 for \$1.00; doz., \$3.50.

Lulu A. Neeley. 3 ft. Ox-blood red. Plants, each, 45c; 3 for \$1.25.

Olympia. Double rich scarlet. Very early and free blooming. Plants, 35c; 3 for \$1.00; doz., \$3.50.

Princess Ena. 3½ ft. Coral pink. Plants, each, 35c; 3 for \$1.00.

Royal Scarlet. Old-fashioned scarlet Oriental Poppy. Plants, 30c; 3 for 85c; doz., \$2.50.

Silverblick. 3 ft. Silvery rose pink. Plants, each, 50c; 3 for \$1.50.

Additional Perennial Seeds and Plants

For Additional Perennial Seeds and Plants See Also Pages 75 to 80 Inclusive, and 113 to 116 Inclusive.

NOTE—All plants are F. O. B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted below or else they will be sent express at buyer's expense.

Achillea (Milfoil, Yarrow)

Culture: B (Feb. to July 15th), D or E (March-July)
Achilleas grow readily from seed in sunny, well-drained positions, except the varieties marked X, which should have rock garden conditions. They are fine border flowers and several are excellent for cutting.

7007 X **Ageratum**. 1 to 2 ft. A pretty alpine of compact habit, with leaves like *Ageratum*. Yellow, sweet-scented. Pkt., 15c.

7008 **Eupatorium Filipendula, Parker's Variety**. 3 to 5 ft. June-Sept. Clear yellow flower-heads. May be dried for winter bouquets. Pkt., 15c.

7009A **Millefolium Cerise Queen**. Dark cherry-red. Pkt., 25c.

7009 —**Kelwayi**. 2 ft. Carmine rose. Pkt., 35c.

7010 **The Pearl**. 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c.

7013 X **Tomentosa Aurea**. 8-10 in. A woolly carpet-like plant for rockeries. Pkt., 15c.

Acaena X

Culture: D or E (April-May); A or B (May-June)
Dwarf, spreading perennial with inconspicuous green flowers and showy crimson spines. 2 in.

7002 **Glauca**. Silvery blue foliage. Pkt., 25c.

7030 **ADLUMIA Cirrhosa (Allegheny Vine)**. 15 ft. June. Pink flowers, fern-like foliage. Pkt., 10c.

7037 X **AETHIONEMA Cordifolium (Lebanon Candytuff)**. 6-8 in. June. Rosy lilac. Pkt., 50c.

Agathea

Culture: D, E or C (Jan.-July)

7040 **Coelestis (Blue Daisy)**. 1½ ft. June. Flowers sky-blue with yellow disc. Useful in the border, for bedding and as a pot plant; half hardy. Pkt., 10c.

Aconitum (Monkshood)

Culture: C (Nov.-June)

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates slowly. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7026 **Barker's Variety**. This variety is more vigorous than others, but its outstanding merit is the branching habit of the flower spike. Flowers are amethyst blue, considerably darker than Wilsoni. Pkt., 25c.

7015 **Fischeri**. 2 ft. September. Dwarf, dark blue, hardiest of all. Pkt., 15c.

7020 **Napellus**. 3-4 ft. July-August. Upright spike of dark blue flowers. Pkt., 15c.

7025 **Wilsoni**. 4-6 ft. Sept.-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.

Anthemis (Marguerite)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Free-flowering perennials with attractive cut foliage and large daisy-like flowers. Need full sun.

7110 **Kelwayi**. 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.

7111 —**Alba**. 3 ft. Hardy white Marguerite. 15c.

7113 X **Montana**. 9 in. Silvery tufted foliage with white flowers. April to July. Pkt., 15c.

7112 **Sancta Johannis**. Rich glowing orange Marguerite. Pkt., 25c.

7115 **Tinctoria**. 2-3 ft. Bright yellow shading to white. June-Oct. Pkt., 10c.

7114 **Tinctoria, Perry's Variety**. 2 ft. Large lemon-yellow daisies, in bloom all summer. Pkt., 25c.

Arabis (Rock Cress)

Culture: (Feb. to July 15th), D or E (Mar.-July)

Spreading dwarf, spring-flowering plants. They do well in any soil, but need plenty of sun.

7195 X **Alpina**. 1 ft. April. Pure white. Pkt., 10c.

7197 X —**Rosea**. 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c.

7196 X —**Compacta**. 9 in. May. Compact growing type, white flower. Pkt., 15c.

7198 X —**Grandiflora Superba**. 1 ft. May. Large flowered white variety. Pkt., 15c.

7199 **Billiardieri Rosea**. 9 in. Pink. Pkt., 25c.

Plants by Parcel Post

If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or condition that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.



TYPE OF ANEMONE Japonica

Anemone (Windflower)

Culture: B (Feb. to July 15th), C (April-July), D or E (Mar.-July)

This interesting family furnishes a remarkable variety of showy garden subjects. Seeds germinate slowly. Some varieties flower in the spring, and the Japanese anemones are among the most beautiful of fall flowering perennials.

7075 X **Coronaria (Poppy Anemone)**. Mixed colors. Early spring-June. 6-12 in. Pkt., 10c.

7074 —**Blue**. Pkt., 25c.

7080 X —**St. Brigid's Strain**. May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of colors. Pkt., 20c.

7077 —**His Excellency**. Large single scarlet. 25c.

7078 —**The Governor**. Double scarlet. Pkt., 25c.

7090 X **Pulsatilla (Pasque Flower)**. 1 ft. April-May. Flowers varying from lilac to purple. Should not be disturbed for several years. Pkt., 10c.

7095 X **Pulsatilla Rubra**. 6 to 9 in. April-May. Dark red erect flowers. Pkt., 15c.

7100 X **Sylvestris (Snowdrop Windflower)**. 1 to 1½ ft. Large, nodding, sweet-scented white flowers, tinged lavender. April-May. Pkt., 15c.

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Armeria (Thrift, Sea Pink)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July, and the plants are suitable for edgings to borders.

7205 X **Alpina**. 1 ft. July. Deep rose. Pkt., 10c.

7217 X **Bee's Ruby**. A giant flowered type with deep glowing ruby blooms on stout 12-inch stems. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

7211 X **Formosa Hybrida**. 24 in. Shades of pink. Blooms early summer. Pkt., 15c.

7206 **Glory of Holland Giant Pink**. Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems of 24 inches height, in large profusion all summer. Fine for cutting. Pkt., 25c.

7218 X **Lauchiana**. 6 in. June-Aug. Crimson. Pkt., 10c.

7052 **ALSTROEMERIA Aurantica**. 3 ft. Orange and red. Pkt. 25c.

7116 X **ANTIRRHINUM Asarina**. 6 in. July. Creeping snapdragon. Cream. Pkt., 25c.

7219 X **ARENARIA Montana**. 6 in. Silvery white flowers. Pkt., 25c.

Asclepias (Butterfly Weed)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7220 **Tuberosa**. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers with purplish stems and hairy leaves. Pkt., 15c.

7222 X **ASPERULA Odorata**. 8 in. (Woodruff.) 10c.

Aubrietia

Culture: B (Feb. to July 15th), D or E (Mar.-July)
One of the daintiest and most delicately beautiful of all dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. A gem for planting in crevices of rocks or wall, forming a cataract of color. 6 in.

7231 X **Bougainvillei**. Light violet purple. Pkt., 25c.

7231A **Daltoidea**. Lilac. 6 in. Pkt., 25c.

7231B **Eyrii**. Fine large blue. Pkt., 25c.

7232 X **Graeca**. Light blue, dwarf. Pkt., 25c.

7233 X **Leichtlinii**. Large-flowered, rosy lilac. 25c.

7233A **Rosea Grandiflora**. Pkt., 25c.

7234 **Whitewell Gem**. Glowing rosy purple with slight tinge of blue. Pkt., 25c.

7230 X **Large-Flowered Hybrids, Mixed**. A wonderfully fine strain, good range of colors. Pkt., 25c.

Baptisia

Culture: B (Feb. to July 15th), C (April-July)

D or E (Mar.-July)

7235 **Australis (False Indigo)**. Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves and Lupin-like blue flowers in June and July. Pkt., 10c.

7240 **BOCCONIA Cordata**. 5 ft. Cream. Pkt., 10c.

Boltonia (False Chamomile)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
They are among the relatively few fall flowering perennials, and are effective as background plants. They bear small star-flowers in large clusters.

7245 **Asteroides**. 4-6 ft. July-Oct. White. Pkt., 15c.

7250 **Latisquama**. 4-5 ft. July-Oct. Delicate pink. Pkt., 15c.

Buddleia (Butterfly Bush)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

A small shrub bearing exquisite tapering spikes of lilac-mauve flowers; requires same protection as roses during winter. The top usually freezes back, and new growth starts from the root, like other perennials.

Ile de France. 3-6 ft. July-Sept. Large trusses of rich, rosy violet-purple, fragrant. A good cut flower. Strong pot plants to bloom this summer. Each, 40c; Plants, 3 for 85c; doz., \$2.50.

7251 **Variabilis Veitchiana**. 3-8 ft. July-Sept. Mauve. Pkt., 15c.

For other *Buddleia*, See also Page 113.

Japanese Collection No. 72

One plant each of 4 varieties, for \$1.20.

New Hardy Asters

Illustrated in Color on Page 113

Culture: B (Feb. to July 15th), D or E (Mar.-July)

If you have ever seen the glorious effects of a mass planting of these hardy perennial asters, you will not fail to make a planting of them in your garden. They are among the showiest of our late flowering hardy plants, giving a wealth of bloom in late summer and fall, a season when most other perennials are past blooming. They grow from two to five feet high according to the variety, blooming profusely over the entire plant. For best effect they should be planted in masses of one color.

DWARF ALPINES

- 7226 X Alpinus Goliath.** 6 to 10 inches. May-June. Large showy bluish-purple flowers with yellow center. Pkt., 20c.
- 7226A —Albus.** Pure white. 1 ft. Pkt., 25c.
- 7227A X —Mixed.** 5 to 10 inches. May-June. Large lavender-blue and white flowers. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

Four New Dwarf Asters, \$1.10

One each of the varieties listed below:

Extremely showy in full bloom and a welcome addition.

- X **Countess of Dudley.** 1 ft. Oct. Charming clear pink flowers with yellow eye.
- X **Nancy.** 9 in. Sept. Dwarf, bushy, free flowering, flesh-pink.
- X **Victor.** 6 in. Sept. The flowers are of good size and of a beautiful clear pale lavender blue.
- X **Snowsprite.** 6 in. Sept. Very dwarf growth hidden by a solid mass of white bloom.
- Any of above New Dwarf Asters: Plants, each 40c; 3 for \$1.00; doz., \$3.50.

- 7224 Amellus Hybridus.** 2½ ft. New named varieties, finest mixed. Pkt., 25c.
- 7224A Amellus Beauty of Ronsdorf.** 2 ft. Aug.-Sept. Large lilac-rose flowers in great profusion; plants branch freely. Pkt., 25c.
- 7223A —Roseus.** 20 in. Very like the Beauty of Ronsdorf, but a clear rose. Pkt., 25c.
- 7223 Hybridus Luteus.** Giant sprays of primrose yellow. Pkt., 50c.
- 7229 Farreri.** June-July. Soft violet-mauve, with large orange center, flowers 2 to 3 inches across. Blooms in June and July. Pkt., 25c.
- 7225A Rotundifolius.** 6 in. The numerous flowers rise on wiry stems above the dark green leaves, which are rounded at the ends. The bright yellow discs are surrounded with ray florets of a fine forget-me-not blue. Planted in a sunny border or rock garden, they make a brave show all summer. Pkt., 50c.

7228A Wartburg Star (Star of Eisenach).

May. A new giant-flowered variety of the subcoruleus type. Bright lavender-blue Marguerites with yellow centers measuring more than four inches across. Pkt., 35c.

- 7229A Yunnanensis.** June. Brilliant lilac-blue with yellow disc. Pkt., 35c.
- 7225 Perennial, Large-Flowering Mixed.** 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

MICHAELMAS DAISIES

Of great hardiness, producing a wealth of bloom in September.

- Charles Wilson.** Brilliant red flowers cover plant which grows 3 feet tall. Plants, 3 for \$1.00; doz., \$3.50.
- Red Rover.** 3-4 ft. Deep rosy red with golden center. Compact habit and free blooming. Plants, 3 for 85c; doz., \$2.50.
- For other Asters, See also Page 113.

Centaurea (Hardheads, Knapweed)

Culture: B (Feb. to July 15th), D or E (Mar.-July) The flower-heads are like showy, ragged thistle blooms. They grow 2 to 3½ ft.

- 7426 Dealbata.** 2 ft. Large and striking rose-pink flowers, feathery foliage. Pkt., 15c.
- 7425 Macrocephala.** The showiest of all, great thistle-like golden yellow flowers on stiff stems. July. Pkt., 10c.
- 7430 Montana Blue.** 2 ft. June-Sept. Numerous large deep blue flowers somewhat resembling the annual cornflower. Pkt., 10c.
- Hardy Perennials, Mixed.** See Novelty Pages.



7504 SHASTA DAISIES Giant Double. Pkt., 35c.

Carnation

Culture: B (Feb. to July 15th), D or E (Feb.-April)

GRENADIN

A valuable bedding variety with double flowers, blooming first year from seed if sown early. 1 ft.

- 7390 Dark Velvety Brown.** Pkt., 15c.
- 7402 X Dwarf Red.** Especially suitable for rock work, edging and pot culture. Pkt., 25c.
- 7398 Golden Sun.** Early flowering, very double, large clear yellow flowers. Pkt., 35c.
- 7395 Scarlet.** Pkt., 10c. Plants, 3 for 85c.
- 7385 Triumph, Rose.** Pkt., 15c. Plants, 3 for 85c.
- 7396 Tausendschon.** Lovely colors ranging from soft rose and salmon-rose to bright pink. Pkt., 25c.
- 7400 White.** Pkt., 20c.
- 7401 Mixed.** Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

VIENNA DWARF

They grow evenly about 14 inches tall, are extra double, large-flowering and early.

- 7410 Rose.** Pkt., 15c. **7415 Mixed.** Pkt., 10c.
- 7257 X CALAMINTHA Alpina.** 6 in. Pkt., 25c.
- 7256 X CALLIRHOE Involucrata (Poppy Mal-low).** Crimson. Pkt., 15c.
- 7376 CASSIA Marylandica.** 4 ft. Yellow. 10c.
- 7377 CATANANCHE Coerulea.** 2 ft. Blue. 10c.
- 7435 X CERASTIUM Tomentosum (Snow in Summer).** 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.

Chrysanthemums

Culture: B (Feb. to July 15th), D or E (Mar.-April) These hardy fall flowering Chrysanthemums will bloom the first year from seed, often producing earlier blooms than possible to obtain from plants. In sections where frosts are early and winters severe, this method of propagation is advised.

- 7442 Cascade or Balcony Mixed.** A new form producing drooping spikes a foot or more in length, with flowers about the size of a climax Aster in delicate pink, rose, yellow and white mixed. Should be grown in hanging basket or pot. 35c.
- 7450 Early-Flowering Double Chinese Varieties.** 2 ft. A mixture of fall flowering with some especially fine colors. Pkt., 35c.
- 7451 Early-Flowering Single Chinese.** 2 ft. Attractive flowers in many charming shades. Pkt., 25c. Korean Hybrids. See Novelty Pages.
- 7445 Mawii.** A perennial Chrysanthemum with rich pink flowers, perfectly hardy. An ideal subject for border or rockery, height about one foot; flowers two inches across. Silvery foliage. Pkt., 35c.
- For other Chrysanthemums, see Page 115.

Chrysoboltonia

- Pulcherrima.** 2½ ft. Bush plants, covered with pale pink daisies in September. Fine cut flower. Plants, 3 for 85c; doz., \$2.50.

Shasta Daisies

Culture: B (Feb. to July 15th), D or E (Mar.-July)

The name Shasta is now applied not to a single variety but to a class of hardy daisies, bearing giant flowers, all splendid border subjects and easily grown from seed.

- 7500 Alaska.** 2-2½ feet. Splendid for cutting. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00.

Deiner's New Giant Everblooming G. Marconi. See Novelty Pages.

Deiner's Fancy Chiffon Glendale. See Novelty Pages.

7501 Westralia. 3 ft. Taller and earlier. Pkt., 15c.

7502 Elder Daisy. 2 ft. May. A popular variety for early cutting and border. Pkt., 15c.

7504 Giant Double. They come 50% good double. Some very good white, others creamy white, balance single to semi-double. If one plants seed and selects the plants that are good, he can propagate by root divisions and cuttings. Pkt., 35c.

Elder Daisy, Improved. Originator's improvement, larger flowers and more prolific bloomer. Plants, 3 for 85c; doz., \$2.50.

7446 Maximum Dwarf Bouquet. 12-15 in. A dwarf variety that blooms from seed the first year. White flowers with small centers. Pkt., 25c.

7462 Maximum Conqueror. June. 2½ ft. Large, pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c.

7460 —King Edward VII. 2½ feet. Very large flowers on stout stems. Pkt., 10c. See also Page 115.

Cimicifuga

Culture: B (Feb. to July 15th), (Nov. to Mar.)

7454 Simplex. A shade-loving perennial which shoots out flower stalks of about 3 feet in the late summer. Numerous white flowers are borne on long and almost straight spikes. Very attractive when planted in a border or margin of woods. Pkt., 20c.

Clematis

Culture: B (Feb. to July 15th), C (Nov. to March)

Jackmanii. See Climbing Vines.

7475 Recta Grandiflora. June-July. 2-3 feet. Clusters of fragrant white flowers, rich dark green leaves. Pkt., 15c.

7482 X CONVULVULUS Mauritanicus. 6 in. Blue. Pkt., 15c.

7492 X CORYDALIS Cheilanthifolia. 8 in. Fern-like foliage, yellow flowers. April-October. Pkt., 25c.

Cyclamen (Hardy)

Culture: B (Feb. to July 15th), C (April-July)

7498 X Europaeum. 4 in. The well-known red flowering Alpine violet. Aug.-Sept. Pkt., 50c.

Cynoglossum

Culture: A, B, D, or E (March-April)

7499 Nervosum. 1-2 ft. A perennial "Chinese forget-me-not." Blooms in May with true blue flowers, and if faded spikes are cut continues until mid-August. Likes sun and heavy soil. Pkt., 25c.

Doronicum (Leopard's Bane)

Culture: B (Feb. to July 15th), C (Oct.-May)

Showy spring flowering perennials belonging to the daisy order. Their yellow Marguerite flowers are invaluable for cutting. Seed germinates slowly.

7777 Caucasicum. 1½ ft. A showy border plant with large heads of yellow flowers: Spring. Pkt., 50c. Plants, 3 for \$1.25; doz., \$4.00.

7778 Plantagineum Excelsum. 3 ft. Large yellow flowers 4 in. in diameter. April to Oct. Pkt. (20 seeds), 50c.

Erigeron (Flea Bane)

Culture: B (Feb. to July 15th), C (Oct.-May)

They somewhat resemble in form the hardy asters, but flower much earlier, and have attractive single flowers which are prized for cutting.

7797 Elatior. Rosy, 24 in. May-June. Pkt., 20c.

7796 Speciosus Hybridus Grandiflorus. Large flowers of rich purple. 24 in. June. Pkt., 20c.

Echinacea (Coneflower)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Stout perennials for the border or wild garden.
Flowers in July-Aug., good cut flowers.

7780 Hybrida. 4 ft. Flowers of various shapes, produced in a wide range of colors. Pkt., 15c.
7785 Purpurea (Purple Coneflower). 3-4 ft. A handsome border plant; purple flowers. Pkt., 15c.

7788 ECHINOPS Ritro (Globe Thistle). 3-4 ft. Steel-blue flower-heads, round like a ball, covered with needle-like spines. Pkt., 10c.

7791 X EDELWEISS Leontopodium Alpinum. 4-12 in. June-July. The flowers white and star-shaped. Pkt., 25c.

7798 X ERINUS Alpinus. 4 in. May-June. Purple flowers, good for flagging. Pkt., 25c.

Euphorbia

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7808 X Myrsinites. 3 in. June-July. Distinct grey trailer, large heads of yellow flowers. Pkt., 25c.

7806 X Polychroma (Mountain of Gold). 18 in. June and July. Bright yellow flowers changing to rosy bronze. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

Eupatorium (Hardy Ageratum)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Plant these vigorous, thrifty flowers in the border or in woodland. They like light shade. Coelestinum is one of finest fall perennials.

Coelestinum. 2 ft. Sept.-Oct. One of the few outstanding fall perennials. Grows into large bushes with abundant lavender flower-heads like ageratum. Excellent cut flower. Plants, 3 for 85c; doz., \$2.50.

7800 Fraseri. 2 ft. Pure white ageratum-like flowers; do well in shade. Pkt., 10c.

Gerbera (Transvaal Daisy)

Culture: D, E (Jan.-April)

7846 Jamesoni Hybrids. 2 ft. Large daisy-like blooms on long stems in yellow and red. Seed should be sown singly, point up, cover lightly in greenhouse or hotbed. Transplant when leaves are one inch long. Water sparingly. Give sunny, airy location; protect in summer in the open from rain. Needs protection over winter. Pkt. (25 seeds), 25c. Plants, 3 for \$1.50; doz., \$5.00.

Grasses

7858A Erianthus Ravennae. 5 to 7 ft. Hardy Pampas Grass. Producing 30 to 50 flower-spikes. 15c.

Gypsophila (Baby's Breath)

Culture: A or B (Feb. to July 15th), D or E (Mar.-July)

Established plants, which should never be disturbed, produce cloud-like masses of small flowers in the border. They are fine for cutting and dry perfectly for winter bouquets. Dried flowers can be made to look again like fresh ones by wrapping the dried blooms in a moist towel half a day in a cool place.

7864 Acutifolia. 3 ft. Pretty, useful species, flowers pale pink. Pkt., 15c.

Bodgeri. Dwarf double white. Plants, 3 for \$1.00; doz., \$3.50.

7866 Oldhamiana. 3 ft. The light little buds are first almost white, but open a lively shade of pink that tends to darken as the flowers mature. Each individual flower measures slightly more than one-quarter of an inch in diameter and possesses a white throat. The flowers are fragrant. Seeds, pkt., 25c; Plants, 3 for \$1.00; doz., \$3.50.

7860 Paniculata Double Snow White. A great improvement on the single-flowered type and more lasting. 2-3 ft. July-August. Pkt., 25c.

7865 —(Baby's Breath). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00.

Paniculata Bristol Fairy (Double Baby's Breath)

Early double pure white large flowering perennial Baby's Breath. It is a new form, blooming much earlier than paniculata fl. pl., and producing a second crop of spikes after the first have been cut. Plants, 65c each; 3 for \$1.50; doz., \$5.00.

7867 Pacifica. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c.

7863 X Repens Rosea. 6 in Attractive dwarf pink. Pkt., 15c.

Rosenschleier (Rosy Veil). Dwarf, double pink. Plants, 3 for \$1.00; doz., \$3.50.



HOSTA (Funkia or Day Lily).
Subcordata Grandiflora. Plants, 3 for \$1.00;
doz., \$3.50.

Helenium (Sneezewort)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
To register masses of color in the border background, the Heleniums and other members of the Sunflower family are most useful. They grow easily from seed and spread rapidly. Autumn flowering varieties are especially valued for contributing autumn color.

7880 Bigelowi. 2 ft. Light yellow flowers borne from July to September. Pkt., 10c.

7885 Hoopesii. 1-3 ft. June. Rich orange-yellow with slightly drooping rays. Pkt., 10c.

Peregrina. 3 ft. New variety having largest flowers of dark mahogany in July-Aug. Compact grower. Plants, 3 for \$1.00; doz., \$3.50.

7890 Riverton Gem. 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Pkt., 25c.

7895 Riverton Beauty. 4-5 ft. Rich lemon-yellow with a large purplish cone. Aug.-Sept. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

Heliopsis (Orange Sunflower)

Culture: A or B (Mar.-July), D or E (April-May)
A very brilliant border plant, resembling a double sunflower; an excellent cut flower.

7909 Lemoine Strain. Double golden yellow. Blooms first year from seed. Pkt., 15c. Plants, 3 for \$1.00; doz., \$3.50.

7910 Pitcheriana. 3 to 4 ft. high. Golden yellow flowers 2 inches in diameter; blooms all summer. Pkt., 10c.

7916 Soleil d'Or (Golden Sun). Free flowering; useful for display or cutting. Pkt., 20c.

HEMEROCALLIS. See Page 113.

Hibiscus (Rose Mallow)

(3 to 5 Feet)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
In the late summer, when perennials are few, well established plants of mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Aug.-Sept.

7945 Crimson Eye. Creamy white flowers, large crimson center. Pkt., 10c. Plants, 3 for 85c.

7950 Golden Bowl. Deep cream, with a velvety maroon center. Pkt., 10c.

Jumbo Red. See Novelty Pages.

7960 Mallow Marvels, Mixed. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7965 —Red. Pkt., 15c. Plants, 3 for 85c.

7966 —Pink. Pkt., 15c. Plants, 3 for 85c.

Helianthus (Hardy Sunflower)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Hardy, perennial sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting.

7900 Maximilianii. Aug.-Oct. 2-4 ft. Small and graceful flowers of deep yellow. Pkt., 25c.

7905 Perennial Varieties, Mixed. Pkt., 15c.

Multiflorus Plenus. Double golden yellow Chrysanthemum-like flowers. Aug.-Sept. 4 ft. tall. Plants, 3 for \$1.00; doz., \$3.50.

Hosta (Funkia or Day Lily)

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes, 1½-2 ft. July-Aug. Effective in front of shrubbery under trees, or any shady position.

Fortunei Robusta. Unusually large blue-green foliage. Flowers are white, shaded a light lilac blue. A novelty of real value. Plants, each, 75c; 3 for \$2.00.

Subcordata Grandiflora. Flowers white, large green leaves. One of the best perennials for shade. Plants, 3 for \$1.00; doz., \$3.50.

Variegata. Good edging plant, leaves white and green. Plants, 3 for \$1.00; doz., \$3.50.

Helleborus (Christmas Rose)

Helleborus Niger. 10 in. Rare, interesting perennials which bloom in winter or early spring. White flowers, 2 in. diam. Plants, each, 90c; 3 for \$2.50.

Iberis (Perennial Candytuft)

Culture: A or B (Mar.-July), D or E (Mar.-July)
Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

8075 X Gibraltarica. Pinkish white. Pkt., 10c.

Jucunda. See Aethionema Cordifolium.

1270 Queen of Italy. Dwarf bushes covered with large pink blooms. ½ oz., 25c; pkt., 10c.

8080 X Sempervirens. Sheet of white. Pkt., 15c.

Incarvillea (Hardy Gloxinia)

Culture: B (Feb. to July 15th), C (Oct.-March)
Large rich rose Bignonia-like flowers with deep yellow throats, produced all through the summer. A hardy perennial which succeeds well in borders and is equally valuable for greenhouse decoration.

8084 Bee's Pink. 1½ ft. Large light rose. Pkt., 35c.
8085 Delavayi. 2 ft. June. Splendid gloxinia-like flowers. Germinates slowly. Pkt., 25c.

8086 Grandiflora. 1 ft. A Chinese species. Carmine flowers. May and June. Pkt., 25c.

8087 —Brevipetes. 2 ft. Large flowers, bright deep rose. Very handsome. Pkt., 25c.

IRIS Dichotoma. See Novelty Pages.

8094 ISATIS Glauca. 3 ft. Yellow. Pkt., 10c.

JASIONE Humulis. See Novelty Pages.

Lavender (Lavendula)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Delightfully fragrant flowers, much used when dry on account of their sweet odor. Prefers warm, dry soil. Favorite for centuries.

8117 X —Munstead Strain. 1 ft. A most valuable variety producing large sweet scented flowers in abundance. A month earlier than the common Lavender. Pkt., 25c.

8116 Vera (True Lavender). 2 ft. June-Aug. Blue. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

Hybrida, Mixed. See Novelty Pages.

Lathyrus Latifolius

(Hardy Pea)

Culture: B (Feb. to July 15th), C (Oct.-March), D or E (Mar.-July)

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Blooms all summer, if seed pods are removed.

8100 Pink Beauty. Pale pink variety.

8105 Rubra. Bright rosy crimson.

8110 White Pearl. Large white.

8115 Mixed. The above colors.

Each of the above, pkt., 10c.

LEPACHYS Maroon and Gold. See Novelty Pages.

Liatris

(Kansas Gay Feather)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8118A Pycnostachya. 4 to 5 ft. Flowers purple in spikes, which bloom a long time. Excellent for the border. July-Aug. Pkt., 25c.

8118 Spicata (Button Snakeroot). 2 to 3 feet. Purple flowers. July-Sept. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

Spicata Pupilla. New dwarf type, two feet tall. Erect rosy purple flowers. Plants, 3 for \$1.25; doz., \$4.00.

8119 Scariosa. Rare North American species. Crowded spikes of rosy purple flowers. Pkt., 15c.

September Glory. New late blooming variety. Full rosy purple spikes. 3-4 feet tall. Plants, 3 for \$1.25; doz., \$4.00.

You Can Grow Lilies from Seed

Many lilies are easily grown from seed; and seedling lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for lily seed, if requested. You will find it fascinating.

8156 Auratum (Gold-Banded). Flowers white, dotted crimson, with a clear golden band running through center of each petal; fragrant. Pkt., 15c.

8156A Auratum Platyphyllum. The flowers are similar in color to Auratum, heavily spotted, but are much larger, of greater substance. Pkt., 15c.

8160 Backhouse Hybrids. Growing 5-6 feet high. Flowers come in purple, straw-yellow, orange, buff and many lovely combinations, with contrasting marbled or dotted effect. Pkt. (25 seeds), 40c.

8156C Concolor. Especially adapted to rockeries. Flowers upright, starlike, deep vermilion. July. 6 to 18 inches. Perfectly hardy. Pkt. (50 seeds), 25c.

8161 Formosanum Pure White (Dream Lily). 2 ft. It bears on slender leafy stem many long white trumpet-shaped flowers slightly marked externally, reddish brown with reflexing petals. Blooms from seed the first year if sown early. Pkt. (65 seeds), 35c.

8158A Longiflorum Præcox White Queen. Produces long trumpet-shaped flowers of clear white. Pkt., 25c.

Linaria (Toad Flax)

Culture: A or B (Mar.-July), D or E (Mar.-July)
Showy free-flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

8122 X Alpina. 6 in. Blue. July and Aug. Pkt., 25c.

8119A Canon Want. 2½ ft. Pink. Pkt., 25c.

8120 X Cymbalaria (Kenilworth Ivy). 3 in. Dainty lilac and orange, trailing habit. Pkt., 10c.

Linum (Flax) 12 to 18 in.

Culture: C (April-July), Set out Aug.-Oct.

The foliage and flower present the appearance of a small feathery bush. The flowers are borne in great numbers from May through September.

8126 X Alpium. 4 in. Purple, blotched orange. 25c.

8140 Flavum. 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.

8141 —Compactum Nanum. This dwarf flax, a glowing golden yellow, blooms for months and if cut back gives a fall crop. Pkt., 25c.

8124 Narbonense. Forms a spreading clump of azure-blue flowers with white eye. Pkt., 25c.

8125 Perenne Blue. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

8135 —Mixed Blue and White. Pkt., 10c.

Lobelia

Culture: B (Feb. to July 15th), C (Oct.-March), D or E (Mar.-July)

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

8145 Cardinalis (Cardinal Flower). 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Pkt., 15c.

8146 Syphilitica. 3 ft. Aug.-Sept. Fine spikes of blue flowers. Pkt., 15c.

8150 LUNARIA Biennis Annua (Honesty or St. Peter's Penny). Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Annual but readily self-sows. Pkt., 10c.

8155 —Alba. Flowers white. Pkt., 10c.

Lychnis

Culture: B (Feb. to July 15th), D or E (Mar.-July)
A fine old-fashioned flower that liven up the border during summer and early autumn.

8200 X Alpina. 4 in. April. Close tufts, olive-green foliage. Clusters of rose flowers. Pkt., 20c.

8169 Arkwrightii. 2 to 3 ft. English hybrids, salmon-rose to flaming scarlet and dark carmine. Pkt., 25c.

8190 Chalcadonica (Maltese Cross). 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a maltese cross. Will bloom from seed the first year. Pkt., 10c.

8196 —Salmon Queen. 3 ft. Salmon-pink. 15c.

8195 Forrestii Hybrids. New showy panicles of carmine, crimson, pink and white flowers, excellent for rock garden and border, 2 ft. Pkt., 15c.

8210 X Haageana Hybrids. 1 ft. June-July. Mixed. Ranging from nearly white to scarlet. Pkt., 10c.

8215 X Viscaria Splendens. 1½ ft. Almost evergreen foliage, bright rose flowers. Pkt., 10c.

LYCHNIS—Continued.

8157 Henryii. The flower stalks, 3 to 5 feet high, carry 5 to 8 flowers each; the color, a rich apricot-yellow, lightly spotted with brown. Pkt., 35c.

8158 Mariagon (Turk's Cap Lily). Pkt., 25c.

8162 Regale (The Royal Lily). 3½ ft. The flowers are white, slightly suffused with pink on backs of petals. Fragrant. Blooms out-of-doors early in July, and seedling bulbs will flower the second year. Pkt. (150 seeds), 15c.

8163 Tenuifolium (Coral Lily of Siberia). It is a gem, perfectly hardy. One of the earliest to flower. 24 in. high with the flowers up and down on stem. Blooms are deep scarlet and have recurved petals of waxy texture. Pkt. (150 seeds), 25c.

8162A —Golden Gleam. Robust and floriferous, bearing numerous flowers of a pure apricot-yellow. Pkt. (50 seeds), 25c.

8163A Washingtonianum. 3-6 ft. The fragrant flowers are carried in racemes, two to twenty being borne on each stem. The individual blooms are two to four inches long, pure white, dotted purple inside, suffused purple without. Gravelly soil and perfect drainage needed. Pkt. (50 seeds), 35c.

8164 Willmottiae. 4 ft. Flowers vivid orange-red, the recurved petals being spotted with brown, slender foliage of a rich brown. Pkt. (40 seeds), 35c.

8164A Mixture of Hardy Lilies. Pkt. (250 seeds), 25c.

8220 LYTHRUM Roseum Superbum. 4 ft. Rose-pink. Pkt., 10c.



8250 MYOSOTIS Ruth Fisher. Pkt., 25c.

Myosotis 4 to 9 in.

Culture: C (April-July), Set out Aug.-Oct.

Lovely dwarf plant for damp places, spreading rapidly and covering the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants. Plant Forget-Me-Nots over Tulip beds, or mix them with Primroses in a shady corner.

We list the seeds of Alpestris varieties among annuals.

8251 Blue Bird. A beautiful winter-flowering deep blue variety. Pkt., 25c.

8230 Dissitiflora. Rich blue, early and compact. One of the best. Pkt., 15c.

8240 X Palustris Semperflorens. Dwarf blue, in flower from early spring until autumn. Thrives in almost any situation and is an ideal variety for rock gardens or edgings. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8250 Ruth Fisher. It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over dark green foliage. Pkt., 25c.

8252 Star of Love. A charming dwarf compact variety, literally covered with large bright blue flowers. Dark green foliage. Height, 5 in. Pkt., 25c.

8245 Vaughan's Early and Late-Flowering. The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky-blue with a delicate white center. Pkt., 10c.

Matricaria (Feverfew)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

3206 Capensis Improved. Select flat petaled type, snow-white. Pkt., 35c.

MINT Garden. Garden variety of spearmint. Plants, 3 for 65c; doz., \$2.00.

Monarda

(Bergamot or Bee Balm)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers surrounded by colored bracts, and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

8225 Didyma. 3 ft. June-Sept. Brilliant scarlet. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8226 Hybrida. Mixed. Pkt., 15c.

Nepeta (Mauve Catnip)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Neat bushes covered with lavender-blue flowers; both foliage and flowers aromatic.

8254 X Mussini. 1 ft. May-Sept. Light blue. Pkt., 25c.

8253 Nervosa. May-Sept. The flowers are of a clear light blue, brighter than Mussini. Pkt., 25c.

8254A Souvenir Andre Chaudron. 1 ft. Upright habit, dark blue, freely produced. Pkt., 25c.

Oenothera (Evening Primrose)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Showy and beautiful plants for borders, beds, etc., flowering from June to October.

8261 X Missouriensis (Macrocarpa). 1 ft. Long trailing stems with yellow flowers. Pkt., 10c.

8265 Youngii. 1-3 ft. Deep yellow. Pkt., 20c.

Pachysandra (Japanese Spurge)

X Terminalis. 4 to 6 in. Deep green, evergreen foliage; thrives any shady place where grass will not grow. Strong Pot Plants, 3 for 65c; doz., \$2.00; 100, \$12.00. For planting large areas we can furnish rooted runners at \$8.00 per 100.

Pentstemon (Beard Tongue)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers.

8316 Barbatus Torreyi (Chelone Barbata). 3½ ft. July-August. Coral red. Pkt., 10c.

8323 X Blue Gem. 1 ft. Compact with charming blue flowers. Pkt., 25c.

8335 Digitalis. 2 ft. June-July. White flowers with purple throat. Pkt., 25c.

8324 Glaber. 3-ft. July-Sept. Blue. Pkt., 25c.

8325 Pubescens. 2 ft. Rosy purple. Pkt., 10c.

8330 Large Flowering Newest Hybrids. Splendid assortment of colors. Pkt., 15c.

Gamet. The first of a new strain of hardy, large flowering Pentstemons. The plants have a succession of several 12-18 in. spikes, with bell-shaped flowers, rich gamet red in color. The flowers are excellent for cutting. Plants, each, 50c; 3 for \$1.50.

For other varieties see Annual Section.

Perennial Everlastings

For Winter Bouquets

7008 Achillea Filipedula Parker's. Pkt., 15c.

7788 Echinops Ritro (Globe Thistle). Pkt., 10c.

7860 Gypsophila Paniculata Fl. Pl. Pkt., 25c.

8150 Lunaria Biennis or Honesty. Pkt., 10c.

8345 Phyalis Franchetti. Pkt., 10c.

8520 Statice Latifolia (Sea Lavender). Pkt., 10c.

All the Perennial Ornamental Grasses.

Physalis Franchetti

8345 Chinese Lantern Plant. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns, useful in winter bouquets. Pkt., 10c.

Poterium Obotivum. See Page 114.

Dwarf and Subulata Phlox

- Amoena.** Charming variety, bright pink, 6 in. April-May. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Divaricata Canadensis.** Blooms early April. Fragrant lavender flowers on stems 10 inches high. Prefers shade. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Dixie Brilliant (Nivalis Sylvestris).** Low spreading grey-green foliage, covered in early spring with rosy red flowers, 1 inch diameter. Each, 40c; 3 for \$1.00; doz., \$3.50.
- Subulata Alba.** Dainty white flowers in May. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Subulata Brittoni.** For hot dry locations. Starry white flowers, compact foliage. 3 for 85c; doz., \$2.50.
- Subulata Atro-Purpurea.** A new variety. Brilliant reddish purple flowers. 3 for 85c; doz., \$2.50.
- Subulata Mrs. G. F. Wilson.** Lavender pink flowers in May and in the fall. 3 for 85c; doz., \$2.50.
- Subulata Rosea.** Dainty pink flowers. This and Alba are fine for graves. 3 for 65c; doz., \$2.00.
- Subulata Pink Cushion.** New. More compact, clearer pink than Rosea. 3 for 85c; doz., \$2.50.
- Subulata Vivid.** Most profuse bloomer of all. Bright pink, red eye. 3 for \$1.00; doz., \$3.50.



8340 PHLOX Decussata Mixed. 2-3 ft. (Seed Ready End of November or Early December.) This special mixture comes from a superior collection of large-flowering sorts. We flowered this mixture in our nursery last summer and were greatly pleased with the size of the flowers and flower-heads and colors. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.

8403 PRIMULA Auricula. Pkt., 25c. Plants, 3 for \$1.00; dozen, \$3.50.

8400 POTENTILLA (Cinquefoil). Double Mixed. All colors. Pkt., 20c.
8401 —Single, Mixed. Pkt., 10c.

PRIMROSE—Continued.

Polyantha Type (Bunch Primrose)

- These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.
- 8415 X Veris, Mixed.** 6-9 in. The Oxlip or Polyanthus, bearing bright flowers in umbels. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.
- 8420 —Grandiflora Coerulea.** The beautiful blue Polyanthus, extra fine variety. Pkt. (50 seeds), 50c.
- 8421 —Grandiflora Red Shades.** Various shades of red in an attractive variety. Pkt. (60 seeds), 25c.
- 8422 —Elatior Gigantea.** The flower spikes are 8 to 10 in. long, average 1/2 in. in width. The individual flowers are very large and are of pure white, dark red, pure yellow, pink and lilac and violet shadings. Pkt. (60 seeds), 25c.
- 8416 X —Grandiflora, Mixed.** An extra choice large flowered mixed strain. Pkt., 25c.
- 8417 X —Munstead Strain.** A giant Polyanthus in many charming light shades. Pkt., 35c. Plants, 3 for 85c; doz., \$2.50.
- 8419 —Kleynii.** Lusty growth with many large golden yellow flowers, shaded apricot in center. Pkt. (60 seeds), 25c. Plants, 3 for \$1.00; doz., \$3.50.
- 8418 X —Lutea.** Yellow. Pkt., 15c.

BABY ROSE (Miniature Fairy Rose)

8452 Rosa Polyantha Nana. 1 ft. Produces the first year from seed true rosebushes bearing tiny double and semi-double white and pink flowers. Excellent for rock gardens, small beds, or borders or as pot plants. Pkt. (50 seeds), 25c.

Rudbeckia (Cone Flower)

- Culture:** B (Feb. to July 15th), D or E (Mar.-July)
- Hardy, free flowering and easily grown perennials belonging to the Daisy order. They are somewhat akin to the Sunflowers in habit. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting. Natives of N. America.
- Herbstwald Autumn Tints.** See Novelty Pages.
- Indian Maid.** See Novelty Pages.
- Double Kelvedon Star.** See Novelty Pages.
- Lacinata Fl. Pl.** 5 ft. Old-fashioned double Golden Glow. Plants, 3 for 85c; doz., \$2.50.
- 8460 Speciosa (Newmanii).** 3 ft. Rich golden yellow with central black disc. Pkt., 15c.
- Purpurea Grandiflora**—See Echinacea Purpurea.
- "The King."** See Page 115.

8445 ROMNEYA Coulteri (Tree Poppy). 15c.

Salvia

- Culture:** B (Feb. to July 15th), D or E (Mar.-July)
- Showy, hardy plants of medium growth and of easy cultivation in sunny borders. The flowers are borne in spikes, racemes, or panicles, and are very attractive during the summer months.
- 8470 Argentea.** 3 ft. June. Biennial, silvery white foliage, pyramids of yellow flowers. Pkt., 10c.
- 8471 Azurea Grandiflora.** 4 ft. September-October. Stately willow-like growth, spikes of pale blue flowers in great profusion. Pkt., 15c.
- Officinalis.** Sage for seasoning. Plants, 3 for 65c; doz., \$2.50.
- 8477 Pratensis.** 2 ft. A violet blue. Pkt., 10c.
- 8478 Verbascifolia Syria.** 5 ft. Makes a bold clump of foliage. Flower spikes 18 in. tall. Flowers dark blue. Pkt., 25c.
- 8480 Patens.** 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Sept. Pkt., 25c.

Saponaria

- Culture:** B (Feb. to July 15th), D or E (Mar.-July)
- 8482 X Ocymoides Splendens.** 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. June-August. Pkt., 10c.

Saxifraga (Megasea)

- Culture:** B (Feb. to July 15th), D or E (Mar.-July)
- The Saxifrages are one of the largest families of plants connected with rock gardening.
- 8483 X Aizoon.** 6 in. Cream. Pkt., 25c.
- 8483A X Cordifolia.** Light pink. 1 ft. May. Pkt., 35c.
- 8485 Mossy Varieties and Species, Mixed.** 25c.
- 8484 Perennial Species, Mixed.** Pkt., 25c.
- 8507A X SEMPERVIVUM (Hen and Chickens).** Perennial Hybrids Mixed. Pkt., 50c.
- 8506 SENECIO Clivorum Orange Queen.** 4 ft. Pkt., 25c.
- 8495A X SCUTELLARIA (Helmet Flower).** Baicalensis Coelestina. 15 in. Blue. Pkt., 25c.

For other Phlox, see Page 114.

Physostegia (False Dragon Head)

- Culture:** B (Feb. to July 15th), D or E (Mar.-July)
- Spikes of flowers resembling tiny snapdragons rise above attractive foliage. The buds and flowers grow on the stem as if growing four sides of a square; very attractive foliage. Blooms Aug.-Sept.
- 8350 Virginica.** Dense bushes with spikes of delicate lavender-pink tubular flowers. June-September. 4 ft. Pkt., 10c.
- 8355 —Alba.** June-Sept. 3 ft. Pkt., 10c.
- 8356 —Gigantea.** Lilac-rose. 4 ft. Pkt., 25c.
- 8357 —Compacta Rosea.** Rose. 3 ft. Pkt., 25c.
- PHYSOSTEGIA Vivid,** see Page 115.

Platycodon (Chinese Bell Flower)

- Culture:** B (Feb. to July 15th), D or E (Mar.-July)
- They resemble campanulas, with dainty bell flowers on graceful stems, and are effective in the border foreground. They flower from June to September.
- 8360 Grandiflorum.** 2-3 ft. Large handsome deep blue flowers. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00.
- 8368 —Double Blue.** A double and semi-double form of the original type. Pkt., 20c.
- 8365 —Album.** White. Pkt., 10c. Plants, 3 for 65c.
- 8361 —Mixture.** Pkt., 10c. Plants, 3 for 65c.
- 8366 —Early Flowering Blue.** Pkt., 15c.
- 8367 —Early Flowering White.** Pkt., 15c.
- 8370 X Mariessii Blue.** 1 ft. Deep blue dwarf. Pkt., 10c.
- 8375 X —Alba.** White. Pkt., 10c.

Plumbago (Leadwort)

X Larpentae. 8 inches. Dwarf spreading habit covered with deep sky-blue flowers all summer and fall. Rich color and abundance of bloom with neat foliage make this an ideal edging plant. Plants, 3 for 85c; doz., \$2.50.

Polemonium (Jacob's Ladder)

- Culture:** B (Feb. to July 15th), D or E (Mar.-July)
- Free flowering hardy perennial herbs; belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border, blossoming with the tulips.
- 8380 Coeruleum (Greek Valerian).** 2 ft. Beautiful sky-blue flowers with golden anthers. April-July. Foliage fern-like. Pkt., 10c.
- 8387 Reptans.** Flower sprays china-blue. Mounds of beautiful blossoms. Pkt., 25c.
- 8388 Richardsoni.** 18 in. Large sky-blue flowers with a yellow eye. May to Sept. Pkt., 25c.

Pueraria (Kudzu Vine)

- Culture:** A or B (Mar.-July), D or E (March-July)
- 8425 Thunbergiana (Jack-and-the-Bean-Stalk).** 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Pkt., 10c.
- For Roots,** see Page 97.

Ranunculus (Buttercup)

- Culture:** B (Feb. to July 15th), D or E (Mar.-July)
- Well-known double buttercup, effective either as a cut flower or grouped in the hardy borders.
- Acris Fl. Pl. (Double Buttercup).** May-June. Yellow. Plants, 3 for 85c; doz., \$2.50.

8259 Native Wild Flower Mixture.

Seeds of more than 100 different species, carefully collected in the field, are included. Most are American, and all are collected in the temperate zone. There are few annuals, the rest hardy perennials. For sowing in woodlands, naturalistic borders, and wild flower gardens. 1/4 oz., 50c. Pkt., 25c

Primrose

There is a growing appreciation of the beauty of the amazingly varied primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates slowly, may be in the ground a year.

- Culture:** C (Oct.-March), B (Mar.-July)
- Acaulis Lilacina Fl. Pl. (Lavender Beauty).** A fine new double variety, similar in habits and character to Primula Veris, with double lilac blooms. Plants, 3 for \$1.25; doz., \$4.00.
- 8402 X Acaulis Vulgaris (Common Primrose).** Flowers bright yellow; fragrant. Pkt., 10c.
- 8403 X Auricula.** 6 in. Flowers in early spring in colors of yellow, brown and red. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.
- 8403A —Giant Mixed.** Prize show varieties. Pkt., 50c.
- 8405 X Bullesiana Hybrida.** New hybrids of rose, orange, carmine, light and dark blue. Pkt., 50c.
- 8405A X Cashmiriana.** 1 ft. Flowers in dense heads, lilac in color. Bloom early. Pkt., 25c.
- 8407 Florindae.** 3 to 4 ft. It bears from late June to late in August, 60 to 80 fragrant bright yellow pendent flowers at the top of its stem. Does well in full sun—heavy soil; hardy in Illinois. Pkt., 35c.
- 8410 X Japonica Special Strain.** Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c.
- 8414 X Rosea Grandiflora.** 8 in. Rose carmine. May-June. Pkt., 35c.
- 8411 Sikkimensis.** 15 in. Yellow fragrant. Pkt., 50c.

Scabiosa

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Perennial Scabiosas are of great value in the garden. They are in bloom from June to October, require little space and thrive in ordinary soil. The graceful flowers in delicate shades of blue and lavender are borne on long, erect stems and are a valuable cut flower.

8490 Caucasica Perfecta. 18 in. Light blue flowers prettily fringed on long stem; fine for cutting. June-October. Pkt., 15c. Plants, 3 for 85c.

8491 —Alba. Pkt., 25c.

8492 —House's New Giant Hybrids. 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

8494A Caucasica Vaughan's Special Mixture. Large fringed and ruffled flowers from lavender to dark blue and some pure white. Pkt., 25c.

8494 Columbaria Delicate Pink. Flowers measure 2 inches across—very freely produced, of a beautiful shape, somewhat smaller than Scabiosa Caucasica, of a deep rosy mauve. Not hardy in middle western and northern states. Pkt., 25c.

8493 —Delicate Lavender. Same as above except color. Pkt., 25c.

8495 Japonica. 2 ft. Lavender-blue flowers. September to frost. Pkt., 10c.

Webbiana. See Novelty Pages.

Sedum

Culture: B (Feb. to July 15th), D or E (Mar.-July)

The species varies in habit from dwarf, creeping plants to those of larger growth, as the Spectabile grows upwards of 2 ft. high. Some, too, are of evergreen and others of deciduous growth, with more or less fleshy leaves. The dwarf kinds do well as edgings to borders, and others are suitable for grouping in the border.

8501 X Acre (Golden Moss). 3 in. A low spreading mossy growth. The bright yellow flowers completely cover the plants in June. Pkt., 25c.

8501A Aizoon. 10 in. Yellow and brown, for rocks and borders. July. Pkt., 25c.

8502 X Corderium. 3 in. Pale blue. Pkt., 25c.

8504B Mixed Many Species. Pkt., 25c.

X Sieboldii. 4 in. Round, succulent, glaucous foliage; bright pink flowers in August and September. Grows slowly but is probably the most beautiful of all sedums. Plants, 3 for 85c; doz., \$2.50.

Sidalcea

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Graceful, hardy perennials with Hollyhock-like flowers borne on slender spikes.

8497 Rosy Gem. 4 ft. Pkt., 15c.

8499 New Hybrids. Varying through light pink to deep rose. Pkt., 15c.

Silene (Catchfly)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

A charming class of plants for the rock garden. They are closely allied to the Pink family and require much the same treatment. They bloom nearly all summer.

8508 Alpestris. 6 in. May to July. Sheets of glistening white flowers. Pkt., 25c.

8508A Asterias Grandiflora. 1½ ft. Globular heads of carmine-scarlet flowers. Pkt., 15c.

8509 X Schafta. 4 in. July-October. Bright rose. One of the best autumn border plants. Pkt., 15c.

8509A Saxifraga. 10 in. June to Aug. Flowers yellow, reddish-brown underneath. Pkt., 25c.

Statice (Sea Lavender)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

They are stemless, the leaves springing direct from the root stock; and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter.

8516 Caspia. The multitude of small flowers composed in spikes 2 to 3 ft. long, tender lilac. Pkt., 15c.

8515A Dumosa. It forms densely packed cushions of pure silvery grey flowers. Their stems are stiff and wiry; the panicles are thickly covered with blossoms. 2 ft. Pkt., 25c.

8520 Latifolia. 2 ft. Dense branching plumes of deep blue flowers. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8517 Perezii. Rich bright blue. Pkt., 25c.

8518 Tatarica. White, useful for drying. Pkt., 15c.



8490 SCABIOSA Caucasica Perfecta

Stokesia (Stokes' Aster)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Large flowers, resembling a single aster, prefer a light soil, and some winter protection.

8525 Cyanea. 18 in. July-Oct. Flowers rich blue. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

8535 —Mixed. Blue and white. Pkt., 15c. Blue Moon. See Page 114.

Thalictrum (Meadow Rue)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting, and their leaves, resembling the maiden-hair fern, are attractive both in the border and when cut. They grow easily from seed.

8540 X Adiantifolium. 18 in. June-July. Light plumes of small whitish flowers. Pkt., 10c.

8541 Aquilegifolium. Feathered Columbine. Handsome foliage; sepals white, stamens purple. 3 ft. Pkt., 15c.

8545 Dipterocephalum. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50.

8546 —Album. A beautiful white form of the lovely border perennial, which comes fairly true from seed. Pkt., 20c.

8547 Glaucum. Fine cut glaucous foliage. Bronze-yellow flowers in June. 2 ft. Pkt., 15c.



TRITOMA

Critoma Red-Hot Poker

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

Grandis Pfitzeri. 2-3 ft. Aug.-Oct. The rich orange-scarlet flowers come freely in late summer and often continue till late October. The great waxy flowers make a vivid splash of color and are an excellent cut flower. Plants, 3 for 85c; doz., \$2.50.

8556 Hybrida Early-Flowering Mixed. These hybrids contain many interesting colors. Pkt., 25c.

Blazing forth their own welcome, the new Tritomas excel in brilliant and vigorous blossoms from late Summer till frost.

Mount Etna. Gigantic spikes of fiery red. Plants, 3 for \$1.00; doz., \$3.50.

Tower of Gold. Delightful golden yellow. Plants, 3 for \$1.00; doz., \$3.50.

8555 Uvaria Grandiflora. 4 ft. August-November. The ordinary red Tritoma. Pkt., 15c.

8538 X TEUCRIUM Chamaedrys. 8 in. Rose, grey leaves. Pkt., 35c.

Thermopsis

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8548 Caroliniana. 3 to 5 ft. June and July. The long, graceful spikes of yellow lupin-like flowers blossom with the delphiniums and provide an excellent foil for their blues. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

Thymus (Mountain Thyme)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8549 X Serpyllum, Wild Thyme. Dwarf growing perennial herb with fragrant foliage. Delights in sunny spot, creeping habit. Purple flowers. Pkt., 25c.

8549A —X Coccineum. 2 in. Matted, dark green foliage; dark red flowers. June-July. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

TRADESCANTIA. See Page 114.

Tunica

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8559 X Saxifraga. A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Pkt., 15c.

—Pink Ball. See Page 113.

Trollius (Globe Flower)

Culture: C (Oct.-Mar.)

Globe flowers of unique character, of bright orange or yellow, and finely cut leaves, make this a desirable subject for moist, lightly shaded locations or pool sides. Better sown in fall, as seed needs freezing to germinate.

8550B Orange Princess. Rich orange flowers 1½ to 2 in. in diameter, stems 1 to 2 ft. Pkt., 35c.

8551 Ledebouri. 2 ft. Orange flowers. Pkt., 50c.

8553 —Golden Queen. 3 to 4 ft. The plant is very vigorous, bearing large flowers of intense orange color, and flowers in autumn as well as early summer. It comes practically true to type from seed. Pkt., 50c. Plants, 3 for \$1.50; doz., \$5.00; 100, \$35.00.

8554 Hybridus Mixed. 20 in. Pkt., 25c.

Valeriana (Garden Heliotrope)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8565 Alba. Pure white, fragrant. Flowers in June, one of the most charming perennials. Pkt., 10c.

8560 Rubra. 2 ft. Sweet-scented purple rose. Pkt., 10c.

8564 Mixed. The above two. Pkt., 10c.

8566 Officinalis. 3 to 4 ft. Produces showy heads of rose-tinted white flowers during June-July with delicious strong heliotrope odor. Pkt., 25c.

8589 WISTERIA Chinensis Blue. Climber, purplish pea-shaped flowers. Pkt., 10c.

Verbascum

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Plants of stately growth. The leaves more or less woolly, and the flowers are borne in branched spikes. Belongs to the Foxglove order.

- 8569A **Harkness Hybrids.** 6 ft. Immense spikes well furnished with large pure yellow flowers during the whole summer. Pkt., 25c.
- 8568 **Hybridum, Miss Willmott.** The large white flowers are produced in stately spikes, rising 5 to 6 feet. July to frost. Pkt., 15c.
- 8567 **Olympicum.** 6 ft. Silvery foliage; golden yellow flowers borne in large pyramidal spikes. June-Sept. Pkt., 25c.
- 8569 **Phoeniceum Hybrids.** 2 ft. Bears white, purple, rose or red flowers in erect spikes. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.

Verbena

Culture: D, E or C (Jan.-July)

Bonariensis. See Novelty Pages.

5749 **Canadensis.** 6 to 18 in. Keeps up a succession of rich purple flowers from June to September; is remarkably hardy. When it is in bloom, one would hardly believe that it could live over the Winter, as its frail spreading habit resembles that of a soft annual. However, towards the end of the season, it produces at its base a new compact growth of a woodier texture, which remains throughout the severest Winter weather. Pkt., 25c.

Vinca Minor
(Grave Myrtle) X

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

Bowles Variety. See Page 114.

Viola Cornuta

For Seeds—See Annual and Novelty Pages.

X **Jersey Gem.** Short, bushy growth, blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut flower. Plants, 3 for 85c; doz., \$2.50.

Wedgewood; New. See Page 113.



VERONICA (Speedwell)

Viola (Violet)

Culture: C (June-Sept.), Set out Sept.-Oct.

8581 X **Bosniaca.** Free blooming, small rose magenta flowers. Pkt., 25c.

Calcarata. See Novelty Pages.

Jovi. See Novelty Pages.

Nigra, or Black Imp. See Novelty Pages.

8580A **Odorata, The Czar.** "Sweet Violet." A magnificent single, fine blue, long stem, very fragrant. Pkt., 15c.

PLANTS OF HARDY SWEET VIOLETS

X **Frey's Fragrant.** Large deep purple single blooms, standing well above the heavy foliage. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

X **Florence.** Hardy single white, faint lavender markings. Fragrant, long stemmed blooms. Plants, 3 for 85c; doz., \$2.50.

X **Prince of Wales.** Grows anywhere. Large single, fragrant. Plants, 3 for 85c; doz., \$2.50.

X **Double Russian.** The true hardy double violet. Very double, dark purple flowers, intensely fragrant. Plant in shade and mulch. Plants, each, 35c; 3 for \$1.00; doz., \$3.50.

SWEET VIOLETS—Continued.

X **Rosina, New.** This charming variety has an abundance of very fragrant, rose-pink flowers. It also blooms more freely in Autumn than other varieties; very often it will bloom all October. Extremely hardy and a gem for the shady corner. Plants, each, 35c; 3 for \$1.00; doz., \$3.50.

Veronica (Speedwell)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes.

8571 **Amethystina.** 1 ft. June-July. Creeping foliage. Amethyst blue. Pkt., 25c.

8577 X **Incana.** Deep blue flowers, grey foliage. 12 in. June-July. Pkt., 25c.

8576 **Longifolia.** 2 1/2 ft. Spikes of light blue flowers, glaucous blue foliage. July-Sept. Pkt., 15c.

8572 — X **Hendersoni Nana.** It is more dwarf, being only 15 to 18 in. high, and the flower spikes are a deep navy blue. Pkt., 25c.

8573 X **Repens.** 1 in. Useful carpeting plant. Blue. May-June. Pkt., 25c.

8570 **Spicata, Blue.** 2 ft. July-August. Small spikes of rich blue flowers. Pkt., 15c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

8574 X **Teucrium Royal Blue.** 12 in. May-June. Prostrate foliage, brilliant blue flowers. Pkt., 15c.

VERONICA Subsessilis (Japanese Speedwell). 2 ft. July-Sept. Conceded to be the best of the Veronicas. It blooms latest of all; the large spikes of dark blue flowers are borne on stiff stems well above the foliage. Plants, 3 for \$1.00; doz., \$3.50.

8575 **Perennial Varieties, Mixed.** Pkt., 15c.

8578 X **Prostrata, Mixed.** Blue and white. Trailing. June-July. Pkt., 25c.

Yucca (Adam's Needle)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8585 **Filamentosa.** 5-6 ft. or more. June-July.

Broad sword-like evergreen foliage. The flowering stalks are 6 feet high, with large creamy white flowers. It likes loose dry soil and a warm situation. Pkt., 10c.

—2-Year. Plants, 3 for 85c; doz., \$2.50.

—3-Year. Plants, 3 for \$1.00; doz., \$3.50.

Peonies

Peonies may be planted in Spring with good results, but they should be put in early. Orders should be sent at once so that we can forward when weather permits.

**CHOICE VARIETIES
EXTRA LARGE BLOOMS**

- Avalanche.** A magnificent white; midseason. 50c.
- Baroness Schroeder.** Flesh-white; late. 60c.
- Claire Dubois.** Satiny pink; midseason. 50c.
- Georgiana Shaylor.** Pale rose-pink; midseason. 50c.
- Frances Willard.** Giant white; midseason. 75c.
- Karl Rosefield.** Mammoth blooms of rich velvety crimson; early midseason. 50c.
- Longfellow.** Perhaps the most brilliant of all red peonies. Late midseason. 75c.
- Mons. Jules Elie.** Lilac-pink; early. 60c.
- Sarah Bernhardt.** Beautiful dark rose-pink. 60c.
- Officialis Rubra Plena.** This is the old-fashioned, very early brilliant red peony. 60c.
- Tenuifolia Flore Pleno.** A very early species, in bloom two weeks ahead of any other Peony. Flowers are a full-double brilliant crimson and the foliage is finely cut like that of the Cosmos. Very rare and always scarce. Should be mulched the first winter after planting. \$2.00.

Special Offer No. 87A. One each Avalanche, Karl Rosefield, Longfellow and Sarah Bernhardt for \$2.00; postpaid 600 miles.

GOOD PEONIES AT BARGAIN PRICES

Any of the following, 40c each; 3 for \$1.00; postpaid for 300 miles.
Edulis Superba. Usually blooms on Decoration Day. Bright clear mauve-pink, large, fragrant.
Felix Crousse. Dazzling ruby-red; midseason.
Grover Cleveland. Rich dark crimson; late.
Mad. de Verneville. Beautiful flowers of bluish white. June rose fragrance; early.
Mad. Ducl. A small Mons. Jules Elie; midseason.

100 Strawberry Plants, \$1.50

Strong Field Grown Plants, Shipped from Early Spring up to May 15

AROMA. Late. One of the most popular late varieties. Berry is roundish, conical, smooth and of a beautiful bright glossy red.

COOPER. Midseason. The large size and the beautiful brilliant color of the berries immediately attract the attention of every one. This variety is adaptable to a wider range of soils and climate than any other variety.

DR. BURRELL. Midseason. The berries are large, delicious and beautifully formed. It ripens a few days earlier than Dunlap.

GIBSON. Medium early. Color rich red. Flavor is neither sweet nor sour, but just right for canning.

PREMIER. Early. Berries are large, beautifully formed, red through and through, flavor delicious. A splendid shipper.

SENATOR DUNLAP. Midseason. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as the veteran grower.

PRICE, on the above varieties, postpaid up to the 4th zone, 25 for 60c; 100 plants for \$1.25. Postpaid from 4th zone to 8th zone, 25 for 65c; 100 for \$1.35. By express, at buyer's expense, 25c for \$2.50; 500 for \$4.50; 1,000 for \$8.00.

Special Offer No. 87.

A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for \$1.50.

TWO NEW INTRODUCTIONS

DORSETT. Early. Will undoubtedly be a leader among early, heavy cropping varieties.

FAIRFAX. Medium early. Rich in flavor, uniformly large fruit in abundance.

PRICE, 25 for 75c; 100 for \$1.50, postpaid to 4th zone. 500 for \$5.00; 1,000 for \$9.00, by express.

MASTODON (Everbearing). The world's greatest everbearer, because nothing like it was ever achieved before, producing nearly 6,000 quarts per acre during August, September, October and November. In size, quality, flavor and appearance Mastodon heads the list.

Price, 25 for 90c; 100 for \$2.50, postpaid to 4th zone. 250 for \$4.75; 500 for \$8.00; 1,000 for \$15.00, by express.

Evergreens for Rock Garden

BLACK HILL SPRUCE (Picea Canadensis Albertiana). A very compact growing Spruce from the Black Hills. Bright green to bluish foliage.

CANADIAN Juniper (Juniperus Canadensis). Of low spreading form with glaucous green foliage.

CREEPING Savin Juniper (Juniperus S. Horizontalis). Low growing, trailing variety with attractive light green foliage.

PFITZER Juniper (Juniperus Pfitzeriana). Best of all evergreens. Of broad, spreading habit with rich green foliage.

MUGHO PINE (Pinus Montana Mughus). Of dwarf, round compact growth; foliage bright green in winter and summer.

2 each of the above, 8 to 10 in., 10 plants for \$3.95. 1 each of the above, 8 to 10 in., 5 plants for \$2.25.

Dahlias



BETTE DAVIS. Violet Rose. Tubers, \$1.00. Plants, 50c.

Outstanding Dahlias of Late Introduction

The following can be supplied in tubers and plants except where noted. Pot plants ready about May 20th.

- Adolf Mayer.** (F. D.) Very dark red, almost black. A real sensation. It is a clean strong grower. Price, each, Tubers only, \$1.00.
- Bette Davis.** (S. C.) Bright, deep, violet rose with slightly darker center. Flowers are held facing or up on long stems. Prolific bloomer and fine keeper. Achievement Medal winner and Honor Roll Dahlia. Price, each, Tubers, \$1.00; Plants, 50c.
- Buckeye Glory.** (I. D.) Color clear lavender to deep lavender. The flowers vary in size from eight to eleven inches in diameter, with a depth of four to five inches. The bushes are extremely vigorous, with heavy foliage and fine habit of growth, bloom early and continue until frost. The stems are of good length and strong. Price, each, Tubers, \$1.00; Plants, 50c.
- Bernice Geer.** (Str. C.) Color, gorgeous old-rose. Fine stems, beautiful clean foliage and a plant that grows without encouragement. Price, each, Tubers, \$2.00; Plants, \$1.00.
- Ballego Surprise.** (S. C.) Beautiful snow-white. Perfect form, free flowering, excellent stems. One that will rank with the best. Price, each, Tubers, \$1.00; Plants, 50c.
- Carl G. Dahl.** (I. D.) A very large, well formed flower with peculiar shadings of emberglow with a golden sheen and a sweetbriar reverse. Stems are excellent, holding the flower facing up. Recommended to those who like their dahlias big. Price, each, Tubers, \$3.00; Plants, \$1.50.
- Dulcinea.** (Str. C.) A pure spectrum red in a beautiful straight cactus. An extremely profuse bloomer on long straight stems, it is always prominent in shows, winning many prizes. Price, each, Tubers, \$1.00; Plants, 50c.
- Director M. A. Howe.** (F. D.) Color—general effect Velvety Tyrain-rose; in detail, the color is a cardinal red overlying mulberry. The red fades as the end of petal is approached, showing the undercolor of mulberry purple. The substance of the bloom is very durable, well withstanding hot fall winds. Strong stems holding bloom facing. Strong grower with dark green attractive foliage. Honor Roll variety. Price, each, Plants only, \$2.50.
- Fire Ball.** (F. D.) Color brilliant scarlet which does not fade in the sun. While the blooms are not gigantic, they are very large and have great depth. The blooms are borne well above fine clean foliage on the best of stems. Plants are vigorous growers. Honor Roll Dahlia. Price, each, Tubers, \$2.00; Plants, \$1.00.
- Freckles.** (I. D.) Lemon-yellow, striped blotched and speckled scarlet irregularly distributed over the yellow ground color. Blooms large with stiff wire stems holding the flowers facing and well out of the foliage. Strong grower with heavy foliage. A free and early bloomer. Price, each, Tubers, \$2.00; Plants, \$1.00.
- Golden Beauty.** (I. D.) A very large, well formed flower of apricot yellow splashed jasper pink, giving a general pinkish yellow tone. Long strong stems hold the heavy flower on the side. This variety will no doubt be a popular addition to many of the best gardens. Price, each, Tubers, \$1.50; Plants, 75c.

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Pot-Grown Plants and Tubers** of the newer varieties and strong roots of proper planting size on all other varieties listed. Pot plants we do not advise planting before **May 20th**. With good care and soil, the pot plants make larger blooms.

KEY TO ABBREVIATIONS: F. D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus.

PROLONGING THE LIFE OF CUT DAHLIAS

Many plans have been tried to make Dahlias look well when cut. We have found that the hot water treatment is the most effective. After the Dahlias have been cut, strip the foliage from the stem except at the top; recut the stem and immerse in water as hot as the hand can bear, being sure that none of the foliage gets in the water. When the water cools the Dahlias are transferred to a pail of cold water and left in the cellar over night. We have found that they keep several days and increase in size.



CLARA CARDER. Pink Flushed Yellow. Tubers, 75c; 3 for \$2.00.

- Great Eastern.** (I. D.) Color is a blend of orange and reddish bronze. Blooms very large carried on strong stems. A free bloomer from early to late season. Strong grower with heavy foliage. Price, each, Tubers, \$1.00; Plants, 50c.
- Grace Moore.** (I. D.) The color is a beautiful lilac-pink. The blooms are large with long pointed petals. Stems 3 to 4 feet long which hold the giant blooms above the foliage. Price, each, Tubers, \$2.50; Plants, \$1.25.
- Grand Master.** (F. D.) A deep bronze shading to orange at the center. Long, strong stems and heavy leathery foliage. We consider this new variety one of the best. Price, each, Tubers, \$3.00; Plants, \$1.50.
- Greater Glory.** (S. C.) A beautiful and artistic Dahlia. A very large rose-pink, shading lighter. Excellent formation and character. Stems are long and strong and plant growth very thrifty. Price, each, Tubers, \$2.00; Plants, \$1.00.
- Incandescent.** (I. D.) Color is rich rosy buff, suffused yellow and light old-rose. High centered, well formed flowers, 10 to 13 inches in diameter. A profuse bloomer on long, strong stems which hold the giant flowers well above the foliage. Incandescent is a seedling of Jane Coul but larger in size and more beautiful in color and formation. Price, each, Tubers, \$2.00; Plants, \$1.00.
- Jessica Dragonette.** (S. C.) Beautiful color combination of peach, apricot, and mauve. The plant growth is full and strong and it produces an abundance of excellent exhibition flowers on good stems. Price, each, Plants only, 75c.
- Jimmie Fox.** (I. D.) Color coppery red tinged with henna. Blooms very large with good depth, carried on strong straight stems. Plant is an exceptionally sturdy grower. Winner of the Achievement Medal. Price, each, Plants only, 75c.
- Katie K.** (I. D.) A clear pink of large size on long stem. One of the best exhibition pinks since Kathleen Norris. Winner of Certificate of Merit. Price, each, Plants only, \$2.00.
- Kentucky Sportsman.** (I. D.) Color, gold, shading to apricot-yellow and then to a distinct orange, ending with pure white tips. The blooms are large, have fine keeping qualities and good stems. A free bloomer. Price, each, Plants only, \$1.50.
- Lois Walcher.** (F. D.) This 1939 introduction, a bicolor, won six American Home Achievement medals. This fact reveals the merit of the Dahlia. Experts agree that it is the outstanding bicolor. Color, deep amaranth purple that breaks sharply into pure white. The stems are ideal. The healthy bush is an early and prolific bloomer. Price, each, Plants only, \$2.00.
- Leland Stanford.** (I. D.) A free-blooming big red. The color is a striking cardinal, a true, glistening, brilliant red without shading. Best of all, it does not fade in the sun. The petals are of heavy velvet-like texture and have great substance. Price, each, Tubers, \$2.00; Plants, \$1.00.
- Lord of Autumn.** (I. D.) A rich deep golden yellow 11 to 12 inches in diameter and 7 to 9 inches deep. The pointed and slightly twisted petals recurve till stem is entirely hidden for 6 inches or more, making the flower resemble a giant Chrysanthemum. A strong grower with cane-like stems, carrying the blooms well above the foliage. Price, each, Tubers, \$1.00; Plants, 50c.

- Michigan White.** (F. D.) A new commercial white variety of genuine merit. Very profuse bloomer with long, cane-like stems. We recommend this variety for cut flower work. Price, each, Tubers, \$3.00; Plants, \$1.50.
- Milton J. Cross.** (I. D.) Face and center of flower a clear sulphur yellow with shadings of burnt orange together with rose and coral shadings in the outer petals, giving the flower a glowing appearance. Can be grown to exceptional size flowers, borne on very strong long stems; bush is a clean grower with heavy insect-resistant foliage. Winner of three Achievement Medals. Price, each, Tubers, \$1.00; Plants, 50c.
- Miss Oakland.** (F. D.) Without a doubt this is the best white formal decorative Dahlia yet introduced. Perfect habit of growth, free flowering; unexcelled for cut flower or exhibition. Honor Roll, A.D.S. Certificate of Merit, Storrs and East Lansing. Price, each, Tubers, \$1.00; Plants, 50c.
- Mrs. Herbert O'Connor.** (Str. C.) Soft rose-pink deepening at center. Flowers are of good size, held erect on slender stems. A prolific bloomer with dark healthy open foliage. Price, each, Tubers, \$1.50; Plants, 75c.
- Mrs. Wm. S. Knudsen.** (I. D.) One of the best of the new exhibition whites. A strong, healthy grower with insect-resistant foliage. Blooms up to 12 inches across by 7 inches deep. We recommend this variety. Price, each, Tubers, \$2.00; Plants, \$1.00.
- Monarch of the East.** One of the outstanding 1938 introductions. It is a big, bold bloom, a real giant in the Dahlia world. Its color is a golden bronze with a coral-red reverse. Try this one for competition in the largest bloom class. Price, each, Tubers, \$2.50; Plants, \$1.25.
- Murphy's Masterpiece.** (I. D.) A dark red shading toward garnet, it will withstand sun without fading or burning. The flowers grow 14 inches and over in size. The plant is a strong grower and a generous producer of large blooms held high on rigid stems. Price, each, Tubers, \$1.00; Plants, 50c.
- Oakleigh Monarch.** (F. D.) A clear, brilliant cerise red with broad petals. Very large blooms of great depth which keep well when cut. Strong, rugged grower with heavy foliage and strong stems. An Honor Roll Dahlia of great merit. Price, each, Tubers, \$1.00; Plants, 50c.
- Pink Elegance.** (S. C.) Another lovely 1938 introduction. A true brilliant rose-pink. Eight to ten inches in diameter with corresponding depth. Holds perfect center throughout the season. Plant growth healthy, vigorous and insect-resistant. Winner of American Home Achievement medals. Price, each, Tubers, \$2.50; Plants, \$1.25.
- Purple Mist.** (F. D.) Pure deep purple tending to a shade of burgundy. Long stiff stems holding the blooms well above the foliage. Strong grower with dark green heavy foliage. A free bloomer. Price, each, Tubers, \$2.00; Plants, \$1.00.
- Robert L. Ripley.** (I. D.) This Dahlia is of immense size, has been grown 16 x 12 inches. A beautiful color combination, rhodamine purple with rose suffusions throughout the entire bloom. This Dahlia creates a sensation wherever shown and has won many prizes at leading Shows, coast to coast. Price, each, Tubers, \$3.50; Plants, \$1.75.
- Rosy Morn.** (I. D.) Here is a color long desired in Dahlias, a brilliant deep rose-pink. All blooms, size 10 by 5 inches, are held above the foliage on long, straight stems. A clear growing plant having dark green insect-resistant foliage. Rosy Morn is a real beauty that will be a standout in your garden. Price, each, Tubers, \$3.00; Plants, \$1.50.



SULTAN OF HILLCREST
Tubers, Each, 50c; 3 for \$1.25.

DAHLIAS—Of Late Introduction—Contd.

Sally Lou. (S. C.) Color dark orange shaded brown. Average size of blooms 7 to 8 inches. Very prolific, bushes always loaded with beautiful flowers. Visitors liked this one. A winner of American Home Achievement Medal. Price, each, Tubers, \$3.00; Plants, \$1.50.

Sunrays. (I. D.) This spectacular variety will produce blooms up to 11 inches in width by 7 inches in depth. The color is a pleasing, clear buff with apricot suffusion, with a distinct peach red reverse. Plant is a strong sturdy grower. Is well branched and prolific of large blooms that are held well out of the foliage on stiff stems. A great prize winner. Price, each, Tubers, \$4.00; Plants, \$2.00.

Special Offer 89. One plant each of **Buckeye Glory**, **Great Eastern**, **Milton J. Cross**, **Miss Oakland**, **Oakleigh Monarch** and **Murphy's Masterpiece** for \$2.45. Postpaid to 5th Zone.

Special Offer 89A. One plant each of **Carl Dahl**, **Freckles**, **Robert L. Ripley** and **Sally Lou** for \$4.65. Postpaid to 5th Zone.

FORMAL DECORATIVE TUBERS ONLY

Avalon. Pure, clear yellow. The large flowers are very distinct and produced in great abundance. Price, each, 25c; 3 for 65c.

Bagdad. An immense flower of flaming scarlet-red, borne high above the foliage so that it may be seen all over the garden. A prolific bloomer, flowers are of great size and fine for exhibition. Price, each, 35c; 3 for 85c.

Buckeye Bride. A geranium-pink, a rare and beautiful shade. The flower is large, held at a correct angle on the stem, and the stems are always long and perfect. It keeps well when cut. The heavy foliage resists sucking insects. Price, each, 50c; 3 for \$1.25.

Buckeye King. A very large glowing amber yellow on splendid stems. Plants are strong healthy growers and are always covered with blooms. Price, each, 35c; 3 for 85c.

Cavalcade. A beautiful new shade of old-rose. Flowers seven to nine inches, carried on long stiff stems. A commercial variety of as much importance as the famous **Jersey's Beauty**. Price, each, 50c; 3 for \$1.25.

Clara Barton. Face of petals silvery orchid, reverse of petals deep lavender. The giant blooms face slightly upward on long, straight stems. Bush is of medium height and never stunts. A very free bloomer. Price, each, 35c; 3 for 85c.

Clara Carder. A large cyclamen pink with a flush of yellow at the base. In a color class by itself. Blooms 10 to 12 inches on strong stems. Plant is a vigorous grower and insect-proof. A great Dahlia that you will be pleased to have in your garden. Price, each, Tubers, 75c; 3 for \$2.00.

Francis La Rocca, Improved. Color primrose yellow. Strong grower with good stem. Price, each, 35c; 3 for 85c.

Gertrude Brinton. True brick red. Large well shaped flowers carried on strong stems. Plant strong, with heavy foliage of medium height. Price, each, 25c; 3 for 65c.

Hary Mayer. Color is a silver-lavender with the reverse of the petals deep lavender. Sturdy growing habit and heavy texture. Price, each, 35c; 3 for 85c.

Jersey's Beauty. It is still in a class by itself. A perfect bloom of eosine pink, carried high above the foliage on a long, wiry stem. Price, each, 25c; 3 for 65c.

Kentucky. Orange sport of **Jersey Beauty** with all of the fine traits of the parent. Price, each, 35c; 3 for 85c.

FORMAL DECORATIVE—Continued.

King of the Blacks. Darkest rich velvet red, almost black. Compact, vigorous grower. Bush is low and spreading with blooms high above the foliage. Price, each, 35c; 3 for 85c.

Monmouth Champion. A brilliant orange flame. Extra large blooms carried on perfect stems well above foliage. A consistent prize winner in every show. Price, each, 25c; 3 for 65c.

Mrs. Ide Ver Warner. A refined mauve-pink beautifully formed. Large blooms carried on long, strong wiry stems. A free continuous bloomer. Price, each, 20c; 3 for 50c.

Omar Khayyam. A Chinese red at the base of petals, shading to a bright orange with paler tips, giving a soft effect. The flowers can easily be grown over 10 inches. Price, each, 35c; 3 for 85c.

Peach Beauty. A beautiful peach-colored variety. A very free bloomer with medium-sized flowers carried on strong, straight stems well above the foliage. Strong, upright grower. Price, each, 50c; 3 for \$1.25.

Queen City. Color scarlet-pink or light cherry red. This new cut flower variety without question is outstanding in color and is very attractive, keeping well when cut. Strong grower with long and straight stems. Won an Achievement Medal at Indiana State Show and one in Cincinnati. Price, each, 75c; 3 for \$2.00.

Rose Fallon. Color dark orange tinted with amber and salmon. Massive blooms stand well above a vigorous growing bush. Price, each, 25c; 3 for 65c.

Sultan of Hillcrest. Color, strontian yellow with sunrise yellow reverse. This Dahlia will be a welcome addition to every garden. Blooms up to 14 inches are not uncommon and the bush habits and foliage are perfect. Price, each, 50c; 3 for \$1.25.

Supreme King. A bright, very pleasing color American Beauty rose. Of good substance and good keeper. Excellent plant growth. Price, each, 25c; 3 for 65c.

Tacoma's Beauty. Deep salmon-pink blended with strawberry pink and shading to gold at base of petals. Profuse bloomer. Stems unusually long and straight. One of the best cut flower varieties on the market and a splendid keeper. Price, each, 35c; 3 for 85c.

Thomas A. Edison. A royal purple with a brilliant rich finish. The size is large and the petals are of a stag-horn formation. Has a rich green foliage. Price, each, 50c; 3 for \$1.25.

W. H. T. A rich old rose with mauve shading on reverse. A long-stemmed variety of perfect petal formation and healthy growing habit. Foliage dark green and insect-resisting. Price, each, 25c; 3 for 65c.

Wenoka. Rosy mauve with magenta shadings. Blooms very large, carried on long strong stems of good length. Strong grower with very heavy foliage. Price, each, 75c; 3 for \$2.00.

White King. A pure white, large flowering Dahlia of very beautiful form and substance. Free flowering on long stems. Splendid for the garden, cutting or for exhibition purposes. Price, each, 25c; 3 for 65c.

White Wonder. This sensational variety is truly a white Fort Monmouth. The giant blooms are pure white with long twisted and curled petals. Foliage thick, leather-like and resistant to insect attacks. Price, each, 50c; 3 for \$1.25.

Special Offer 89B. One tuber each of **Bagdad**, **Buckeye King**, **Kentucky**, **W. H. T.**, and **White King** for \$1.25. Postpaid to 5th Zone.

INFORMAL DECORATIVE TUBERS ONLY

California Idol. A giant clear yellow that can win in any class in which it may be entered. It is a splendid grower and the giant blooms are held upright on long stiff stems. This Dahlia has many show honors to its credit and it will be a popular variety for years to come. Price, each, 75c; 3 for \$2.00.

City of Wellston. Rhodamine purple. Flowers of large size and perfect on long straight stems. An early and prolific bloomer and blooms continuously until frost. A strong, healthy grower. Price, each, 25c; 3 for 65c.

Comelia Bryce Pinchot. A glowing burgundy red of large size and perfect form. This variety has won many prizes on the show table. Price, each, 75c; 3 for \$2.00.

Dwight W. Morrow. An immense cardinal red Dahlia—unusually rich in color and quality. This variety always attracts very much attention in our gardens. Price, each, 50c; 3 for \$1.25.

Fort Monmouth. A rich crimson maroon with a hue of bluish violet at tips of petals. Free bloomer and foliage is dark green. Flowers frequently 13 inches in diameter. Price, each, 50c; 3 for \$1.25.

Hunt's Velvet Wonder. Color is a rich violet purple. The huge blooms can be grown to immense size and are fine keepers for so large a flower. A strong grower and disease-resistant with striking foliage on excellent stems. A good exhibition variety. Price, each, 75c; 3 for \$2.00.



LORD OF AUTUMN, YELLOW.
Each, Tubers, \$1.00; Plants, 50c.

INFORMAL DECORATIVE—Continued.

Jane Cowl. A large flower of a warm buff and old gold, blending to a bright salmon at the center. The giant flowers are held aloft on rigid stems. A superb Dahlia. Price, each, 25c; 3 for 65c.

Jane Ross. Bright crimson overlaid with velvety maroon. Flowers of large size, depth, and substance, keeping well on the bush or after cutting. The foliage is leathery and resistant to insects. Price, each, 35c; 3 for 85c.

Jessie Crawford. The color is bright orchid, stems are long and straight and the plant is a splendid grower. Price, each, 50c; 3 for \$1.25.

Jersey's Beacon. The color is Chinese-scarlet with a paler reverse, giving a two-toned effect. Flowers are very large and globular in form. Price, each, 35c; 3 for 85c.

Kemp's Violet Wonder. The predominating color is a rich violet with underlying tone of royal purple, lightening to bluish violet at tips with lavender reverse. Price, each, 35c; 3 for 85c.

Kentucky Red. A brilliant scarlet—there is no color just like it. Blooms 8 to 11 inches on long, stiff stems. The bush is a strong, insect-proof grower. Price, each, 35c; 3 for 85c.

Margrace. A brilliant scarlet, tipped and striped with gold. Flowers up to 14 inches, on strong stems. Plant growth healthy and vigorous. Price, each, 75c; 3 for \$2.00.

Margaret Woodrow Wilson. Face of petals—creamy white, reverse Phlox-pink. Petals broad and well placed, terminating in points, strong upright stems, dark green foliage. Medium height bush. Price, each, 20c; 3 for 50c.

Mrs. A. B. Seal. A pure rich glowing old-rose without trace of other color. Long stems hold the large blooms well above the foliage. Price, each, 25c; 3 for 65c.

Mrs. Geo. Le Boutillier. A rich velvety carmine, giant in size and outstanding in all respects. A healthy, vigorous grower with strong stems and insect-resistant foliage. Price, each, 75c; 3 for \$2.00.

Mrs. Geo. M. Middleton. Color extremely dark red; almost black. Extra large flowers carried on strong stems well above the foliage. Strong grower and medium size bush. Price, each, 50c; 3 for \$1.25.

Myra Howard. A glowing combination of yellow cadmium and gold with tints of salmon. Petaloid formation which, with its delicate coloring, makes a most pleasing large bloom. Price, each, 25c; 3 for 65c.

Oriental Glory. Color is cadmium orange overlaid with scarlet. Center and reverse heavily shaded scarlet. Is a strong grower and free bloomer. Price, each, 50c; 3 for \$1.25.

President Franklin D. Roosevelt. Very large Chinese red withawn edge and creamy reverse, making a very striking bloom. Stems splendid. Price, each, 50c; 3 for \$1.25.

Prince of Persia. Rich glowing crimson. Great size and substance, often 9 to 11 inches across. Strong grower. Price, each, 35c; 3 for 85c.

Ruby Taylor. The color is carmine and the large deep blooms are supported by perfect, long stiff stems. Price, each, 50c; 3 for \$1.25.

Sagamore. An exceptionally fine exhibition or cut flower of a golden color, shaded toward the center with warm salmon-rose or orange-buff. Stems straight and stiff. Price, each, 25c; 3 for 65c.



SATAN. Giant Red Cactus.
Each, Tubers, 50c.

DAHLIAS—Informal Decorative—Cont'd.

Sanhican's Bluebird. The color is a most uncommon shade. The outer petals at maturity are bright violet-blue, while the center retains the violet tint. Price, each, 35c; 3 for 85c.

Towers Empire. The flowers are large, up to 14 inches, and the color is clear gold with amber shadings. Stems are exceptionally long and straight and hold the huge blooms well above the foliage. An early and prolific bloomer. Price, each, 75c; 3 for \$2.00.

Special Offer 90. One tuber each of Dwight W. Morrow, Jersey's Beacon, Kentucky Red, Margaret Woodrow Wilson, Myra Howard and Oriental Glory for \$1.65. Postpaid to 5th Zone.

**SEMI-CACTUS
TUBERS ONLY**

Amelia Earhart. Very large, apricot-buff with primrose at base of petals, lighted throughout with flashes of salmon. It has the distinction of winning two American Home Achievement Medals. Price, each, 75c; 3 for \$2.00.

Buckeye Star. Salmon or jasper pink with a golden yellow center and fine formations. The long stems and unusual keeping qualities of this variety make it an excellent cut flower Dahlia. Price, each, 75c; 3 for \$2.00.

Challenger. Brilliant cardinal red of large size and perfect stems. Plant is a strong, vigorous grower with insect-resistant foliage. Splendid for exhibition. Price, each, 75c; 3 for \$2.00.

Edna Ferber. Color glistening coral, shading to old gold at base of petals. The size and beauty of this flower still attract much attention. Price, each, 50c; 3 for \$1.25.

Golden Standard. The color is buff shaded to amber and gold. A fine variety of clean outstanding appearance. The blooms, while carried at right angles on the stems, always look you right in the face. Price, each, 50c; 3 for \$1.25.

Grete. An early, free blooming garden and cutting Dahlia. Medium sized blooms. The color is a bright henna orange. Price, each, 50c; 3 for \$1.25.

Jersey's Dainty. A fine exhibition and cut flower Dahlia. Fine stems hold the well formed white blooms well above the foliage. Flowers are of medium size. Price, each, 50c; 3 for \$1.25.

Jean Trimbee. Color of richest deep petunia violet, of immense size, borne well above the foliage on stiff rigid stems. A free bloomer of strong, vigorous habit. Price, each, 35c; 3 for 85c.

Josephine G. A beautiful, true rose-pink flower with petals tipped yellow. Very well recommended. Price, each, 35c; 3 for 85c.

Key Francis. A light lemon-yellow. This Dahlia appears to have a splendid show record, according to reports, and we believe it will be a popular variety for several years. Each, 50c; 3 for \$1.25.

Palo Alto. The color is bright salmon with deep primrose shading at the center. The flowers, of good substance and size up to 12 inches across by 6 inches in depth, held high above the foliage on straight, stiff stems. A strong healthy grower. Price, each, 75c; 3 for \$2.00.

Red Jug. Dark cardinal red in color sometimes with petals tipped gold. Blooms are of large size carried on long stiff stem. A popular garden and exhibition variety. Price, each, 50c; 3 for \$1.25.

Rudy Vallee. Reddish apricot, gold center. It has size, beauty, keeping qualities and is very attractive. Flowers are full-centered and are held well above the clean-cut foliage on long stems. Growth vigorous. Price, each, 50c; 3 for \$1.25.

SEMI-CACTUS—Continued.

Satan. A flaming red cactus with a slight touch of gold at the center. The exquisite coloring is fascinating. The blooms regularly measure from 10 to 12 inches in diameter and 6 inches in depth. Price, each, 50c; 3 for \$1.25.

Star of Bethlehem. Flowers are pure white with fine pointed petals with large tight center. Free bloomer and needs disbudding and pruning; plant will then produce fine exhibition blooms. Medium to tall habit of growth with heavy foliage. Price, each, 35c; 3 for 85c.

Special Offer 90A. One tuber each of Challenger, Jean Trimbee, Red Jug, Rudy Vallee and Star of Bethlehem for \$1.90. Postpaid to 5th Zone.

**MINIATURE DAHLIA
TUBERS ONLY**

These small type Dahlias have become popular owing to their usefulness. Can be planted in garden, border or beds fairly close, about 20 to 24 inches apart. Their freedom of bloom and keeping a long time when cut make them ideal for arrangements.

Baby Beauty. (F. D.) Color bright pink with salmon suffusion. Flower about three inches in diameter. Bushy plants grow about two feet high. Price, each, 35c; 3 for 85c.

Baby Royal. (S. C.) One of the finest miniatures of salmon-pink shaded apricot. A good cut flower, as it is exceptionally free flowering. Price, each, 20c; 3 for 50c.

Bishop of Llandoff. (Duplex.) Brilliant rich red blooms, in contrast to the dark bronze-black foliage, make it outstanding in the garden. A most unusual variety. Don't fail to add it to your collection. Price, each, 50c; 3 for \$1.25.

Buckeye Baby. (F. D.) Gold buff. Early, long lasting and one of the most successful for exhibition and cutting. Price, each, 50c; 3 for \$1.25.

Fairy. (F. D.) Described as a miniature Jersey-Beauty, but lighter in color. A violet-rose shading mauve at tips. A very early and continuous bloomer that keeps wonderfully well when cut. Price, each, 25c; 3 for 65c.

Little Jewel. A beautiful peach blossom pink. Price, each, 50c; 3 for \$1.25.

Nesthalschon. (I. D.) Color buff suffused soft lilac. An artistic miniature when pastel shades are desired. Free flowering and good growing habits. Price, each, 35c; 3 for 85c.

Orchid Lady. (F. D.) Orchid pink. Strong grower with good stems. Price, each, 35c; 3 for 85c.

Persimmon. (F. D.) Soft russet orange, a color hard to find in dahlias. Price, each, 35c; 3 for 85c.

Sanhican's Sweetheart. (S. C.) Color ochreous buff suffused rose-red. This is a fine companion for Baby Royal. Low growing bushes always covered with blooms. Price, each, 35c; 3 for 85c.

Sylvia. (F. D.) A beautiful garnet red with fine stem. A good grower. Price, each, 75c; 3 for \$2.00.

White Cloud. (F. D.) Pure white. Good grower with fine stem. Price, each, 50c; 3 for \$1.25.

Special Offer 90B. One tuber each of Baby Royal, Buckeye Baby, Fairy, Nesthalschon, Orchid Lady and Persimmon for \$1.50. Postpaid to 5th Zone.

**STRAIGHT CACTUS
TUBERS ONLY**

Countess of Lonsdale. A delicate apricot shading towards the edges of the petals to carmine-pink. Early. Price, each, 35c; 3 for 85c.

Miss Belgium. One of the best of the cactus varieties, a foreign introduction of unusual merit. Color is scarlet orange, stems are perfect and it is a vigorous grower. Price, each, 75c; 3 for \$2.00.

Mrs. Ida Chase. A combination of bright lemon-yellow and spiral pink, pale lavender pink reverse. Blooms of medium size under normal culture but can be grown larger by feeding. Stems are perfect and plant growth is strong and wide spreading. Price, each, 75c; 3 for \$2.00.

Special Offer 90C. One tuber each of the above three varieties for \$1.40. Postpaid to 5th Zone.

SHOW OR BALL SHAPED

Price any of the following, each 20c, 3 for 50c, 6 for 90c, except where noted. Tubers only.

A. D. Livoni. A beautiful soft pink flower with quilled petals.

Gold Medal. Autumn coloring, deep yellow, tipped dark crimson. A striking flower.

Mary Helen. A primrose colored ball. One of the best ball type.

Mrs. C. D. Anderson. Rich, clear purple.

Special Offer 90D. One tuber each of the above four varieties for 65c. Postpaid to 5th Zone.



MINIATURE AND POMPON DAHLIAS

**DWARF DAHLIAS
FOR THE GARDEN**

This race of Dahlias has remarkable value for garden planting and home decorations. The plants form compact bushes seldom more than two feet high. They begin flowering when only a foot high and flower continuously from early summer till frost.

PLANTS ONLY

Christine. Pure white dainty flowers of small size are very freely produced. Price, each, 35c; 3 for 85c.

Easter Greeting. Pure waxy white blooms held erect on good stems. Price, each, 50c; 3 for \$1.25.

Gertrude. Clear sulphur-yellow. Good size, very compact as a pot plant or in the border. Price, each, 35c; 3 for 85c.

Kate. Bright orange scarlet showy flowers. Price, each, 35c; 3 for 85c.

Marie. Color white. An improved type Easter Greeting producing larger flowers which are more double. Price, each, 75c; 3 for \$2.00.

Ursella. An intense crimson with carmine reverse. Price, each, 35c; 3 for 85c.

Special Offer 90E. One plant each of the above six varieties for \$2.00. Postpaid to 5th Zone.

POMPON DAHLIAS

Under this head come those small Bouquet Dahlias that are so popular for cut flowers.

Price any of the following, each 20c, 3 for 50c, 12 named varieties, our selection for \$1.50, except where noted. Tubers only.

Amber Queen. Amber suffused with apricot.

Bacchus. Clear, bright red, rounded and full.

Bronze Beauty. Gold apricot. Fine cut flower variety.

Catherine. Bright yellow. Good form and stem.

Edith Mueller. Beautiful rose-red blended with rich yellow. Price, each, 25c; 3 for 65c.

Eureka. Yellow shading to bronze.

Little Herman. Deep red, tipped white; very free.

Mary Munns. Fuchsia with dark orchid sheen.

Nora Reynolds. Indian red.

Rosa Wilmoth. Small, fine formed rose-pink.

Snowclad. The best pure white pompon.

Taka's Purple. Small, fine formed, cerise purple. Price, each, 25c; 3 for 65c.

Special Offer 90F. One tuber each of Catherine, Eureka, Little Herman, Mary Munns, Rosa Wilmoth and Snowclad for 85c. Postpaid to 5th Zone.

SINGLE DAHLIA

American Gem. A brilliant geranium red with heavy clusters of deep yellow stamens in the center. Blooms early and continues until frost. A compact bushy plant about two feet high. Price, each, tubers, 20c; 3 for 50c; 6 for 90c.

Dahlia Tubers. To color. In white, pink, yellow, red, variegated and lavender. Price, each, 15c; doz., \$1.50, postpaid.

New Giant Gladiolus of Orchid Coloring



COMMUNIST. Each, 30c.



MICHIGAN. Each, 30c.



GLEN LAKE. Each, 35c.

Vaughan's 1940 Introduction Glen Lake

Ex. This is the finest variety yet produced of the much desired orchid-lavender coloring. In effect it is a self color, paler than Minuet, with markings negligible and only in the deep throat. Stem is tall and strong, florets faced well and overlapping, six to eight open at once. It is earlier than Minuet, opens better, is a far better propagator. This is a fine, tall growing variety for the garden, but of exceptional value for cut flower arrangements, both for room decoration and for the costume.

Each, 35c; Doz., \$3.50

Recent Introductions

Communist (Vaughan). Ex. Flaming red, lighter than Commander Koehl, more vivid than D Bennett, with a better spike than either. The color is even except for deep crimson in the throat and slight white veining, which enhance the effect. The fourteen florets face forward and open overlapping, eight or more at once, making a plume of fiery brilliance. Flowers in 100 days. Each, 30c; doz., \$3.00; 100, \$22.00.

Michigan (Vaughan). Ex. Grows uniformly 4-5 ft. tall, with a strong spike which stands upright without staking, its magnificent flower plumes are composed of florets 5 inches across, overlapping and facing perfectly, with 10 to 13 open before the lowest floret fades. It is without superior in size and perfection of form. Outside of petals, a strong salmon-red; inside, an orange salmon; the whole effect being a vivid salmon-pink, many tones deeper than Picardy. Throat and small blotch on lower petal are lemon-yellow, blending with and softening the general effect. An exhibition variety of the first rank. Each, 30c; doz., \$3.00; 100, \$22.00.

Hopi (Vaughan). Dec. A shapely flower of medium size, with florets of velvety substance exceptionally well placed, five to six open at once. In color a bright maroon, with slightly darker harmonizing blotch in the throat. A strong straight stem, standing without stakes in the garden, and making an excellent cut flower. It is a rich, warm color which will carry in the garden and look well in artificial light. Flowers in 99 days. Each, 8c; doz., 75c; 100, \$5.00.

Oregon State (Bones). Ex. Salmon-pink with cream throat. Remarkably good substance, standing in good condition two days longer than Picardy. Florets face one way, which makes it a good cut flower variety. Each, 35c; doz., \$3.50.

Palm Springs (Vaughan). Ex. A clear, soft, luminous orange-buff, self-color, marked only by lighter toning in the throat. Tall and vigorous, with seventeen florets of largest size, seven open at a time. Flowering spike is of ideal form, with florets well spaced and facing forward. This is the finest of its color we have seen, and will be outstanding both in the garden and as a cut flower. Flowers in 90 days. Each, 8c; doz., 75c; 100, \$5.00.

(*) This mark indicates the variety is of outstanding merit.

For Type Classification which is used at all Flower shows, we are marking each variety as follows: Ex.—Exhibition. Dec.—Decorative. S. D.—Small Decorative.

General Gladiolus List PINK AND ROSE

Aflame (Hornberger). Ex. Giant begonia rose. Each, 6c; doz., 60c; 100, \$4.00.

Betty Nuthall (Salbach). Ex. One of the outstanding gladioli of recent introduction. Light coral with pale orange throat and light feathering of carmine. A beautiful large-flowered variety. Ea., 5c; doz., 50c; 100, \$3.00.

Betty Weinstock (Vaughan). Dec. Fine beautiful pink. Prize winner at all shows. Each, 10c; doz., \$1.00; 100, \$7.00.

Cactus Rose (Kellogg). Ex. Rich velvety purplish red, just like cactus blooms of the western deserts. Each, 8c; doz., 75c; 100, \$5.00.

Conquest (Mitsch). Dec. Light salmon-pink, cream blotches, ruffled. Each, 50c; doz., \$5.00.

D. A. Hay (Whiteley). Ex. Salmon-pink with ivory throat. Each, 20c; doz., \$2.00.

Debonair (Palmer). Ex. La France pink to shrimp pink in throat with creamy throat mark, lightly peppered crimson. Each, 5c; doz., 50c; 100, \$3.00.

Detroit (Vaughan). Ex. Fully developed flowers often measure five inches across, compactly arranged on the spike. The color is light pink with deeper pencillings of light crimson. Each, 25c; doz., \$2.50.

Early Dune (Vaughan). Ex. An early Betty Nuthall, 70 to 75 days. Salmon-orange shading to lighter in throat, with two small carmine spots on the throat petal. Tall straight spike, flower well placed, 10 to 12 open at one time. Each, 6c; doz., 60c; 100, \$4.00.

Early Melody (Arenius). Ex. Early pinkish lavender. Each, 8c; doz., 75c; 100, \$5.00.

Early Peach (Pruitt). Dec. Peach-red blending to ivory in throat. Each, 10c; doz., \$1.00; 100, \$7.00.

Edith Mason (Vaughan). Ex. Delicate geranium-pink, an exquisite color. Each, 6c; doz., 60c; 100, \$4.00.

Edith Robson (Australia). Ex. Light salmon-rose with reddish blotch. Very tall, strong growing plant with immense spike of bloom. Each, 8c; doz., 75c; 100, \$5.00.

Frank J. McCoy (Briggs). Ex. Immense, tall, strong spike of pure pink. Each, 10c; doz., \$1.00; 100, \$7.00.

Heritage (Ristow). Ex. Very large warm pink, throat lighter, with white midribs on lower petals. Each, 15c; doz., \$1.50; 100, \$10.00.

Hillsdale (Vaughan). Ex. True Tyrian rose, shading darker toward outer edge of petals, lighter toward throat; back of petals delicately traced with minute white lines. Darker feather on two lower petals. Tall, strong spikes. Blooms in early mid-season. A valuable addition to a color class with few outstanding varieties. Each, 35c; doz., \$3.50.

Joh. S. Bach (Pfitzer). Ex. Salmon, shading, bit lighter in throat. Tall and strong. Well arranged flower-head, 10 to 12 open at once. Each, 10c; doz., \$1.00; 100, \$7.00.

Lansing (Vaughan). Dec. A large flowered pink of very vigorous growth. Each, 6c; doz., 60c; 100, \$4.00.

L. W. Wheeler (Vaughan). Dec. Medium sized rounded flowers of pink, suffused with yellow and blotched crimson. Each, 6c; doz., 60c; 100, \$4.00.

Ludington (Vaughan). Dec. (Salmon-Pink.) A deep salmon-pink, clear and luminous, spread evenly over the petals. Pale in the throat with a small red blotch deep in throat of lower petal. 10 buds, 4 open. An ideal plume. 3 ft. high. Each, 15c; doz., \$1.50; 100, \$10.00.

Lustre (Kunderd). Ex. A tall large flowered variety of brilliant orange-vermilion. Each, 6c; doz., 60c; 100, \$4.00.

Miss J. Nathan (Whiteley). Dec. Rose-pink, cream throat spotted crimson. Very large spike. Each, 25c; doz., \$2.50.

Margaret Fulton Dec. Early salmon-pink. Each 6c; doz., 60c; 100, \$4.00.

Mildred Louise (Wentworth). Ex. Prevailing color is a pure salmon (strawberry) pink, self on upper petals with lower petals tipped strawberry-pink, blending to pinard-yellow in the throat. The stem is strong and flexible. Each, 8c; doz., 75c; 100, \$5.00.

Miss New Zealand (Julyan). Ex. Salmon-apricot, suffused rose with blotch of ripe peach. Giant of the Glads. Each, 25c; doz., \$2.50.

Mrs. Dr. Norton (Kunderd). Dec. Soft white, with tips of petals suffused LaFrance pink. Each, 6c; doz., 60c; 100, \$4.00.

GLADIOLI—PINK AND ROSE—Continued.

Mrs. E. J. Heaton (Heaton). Ex. Glowing straw-berry pink blended with some cream in throat. Each, 8c; doz., 75c; 100, \$5.00.

Mrs. Dr. Hoeff (Pfitzer). Dec. A fine brilliant scarlet. Each, 6c; doz., 60c; 100, \$4.00.

Mrs. P. W. Sisson (Coleman). Dec. Immense, ruffled soft pink. Each, 6c; doz., 60c; 100, \$4.00.

Peggy Lou (Wilson-Evans). Ex. Smooth, deep shrimp pink with a slight rosy cast and a slight peppering of deeper rose in the throat. Each, 30c; doz., \$3.00.

Phyllis McQuiston (Stewart). Dec. A gorgeous pure pink. Each, 8c; doz., 75c; 100, \$5.00.

Picardy (Palmer). Ex. A most sensational flower of delicate apricot-pink. The individual florets are all extremely large, slightly ruffled and of heavy wax-like substance. Has created a sensation practically every time exhibited. Each, 5c; doz., 50c; 100, \$3.00.

Pink Medallion (Vaughan). Dec. Early pink Prim. A true pure pink, lower petals have a canary blotch with a feather of the same color as the flower. It is exceptionally early, forces well, and is a rapid propagator. Each, 6c; doz., 60c; 100, \$4.00.

Pinkprim (Vaughan). Dec. A large flowered primulinus of wonderful salmon-pink, blotched white on lower petals. Each, 5c; doz., 50c; 100, \$3.00.

Pride of Wanakah (Christ). Ex. Lavender-rose, deeper in throat. Each, 5c; doz., 50c; 100, \$3.00.

Queen Helen II (Salbach). Ex. Grenadine pink with prominent pinard-yellow blotch and carmine feathering deep in throat. Each, 8c; doz., 75c; 100, \$5.00.

Reverie (Palmer). Ex. Light pink, cream throat. Each, 8c; doz., 75c; 100, \$5.00.

Rosemarie Pfitzer. Ex. Very light pink with faint flecks of creamy hue. Slightly ruffled. Round, "inverted" type florets. Each, 10c; doz., \$1.00; 100, \$7.00.

Schwaben Girl (Pfitzer). Ex. Pure pink self color, one of the very best. Each, 10c; doz., \$1.00; 100, \$7.00.

Smiling Maestro (Christ). Ex. Deep salmon-rose, flaked brown. Large exhibition type. Each, 10c; doz., \$1.00; 100, \$7.00.

Sonatine (Pfitzer). Dec. Tall light pink, flaked darker. Large blooms on stiff stems. Each, 10c; doz., \$1.00; 100, \$7.00.

Trudel Grotz (Pfitzer). Ex. Salmon-pink with red blotch. Each, 8c; doz., 75c; 100, \$5.00.

Winged Victory (Briggs). Ex. Very large pink. Each, 6c; doz., 60c; 100, \$4.00.

W. H. Phipps (Diener). Ex. Enormous flowers of a France pink, overlaid with salmon-rose, lighter towards the center. Each, 5c; doz., 50c; 100, \$3.00.

PINK AND ROSE MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$5.00.

RED

Amador (Kingsley). Ex. Brilliant and glowing scarlet, day or night, 5 to 8 very large florets open on a strong spike. Each, 10c; doz., \$1.00; 100, \$7.00.

Commander Koehl (Pfitzer). Ex. An outstanding variety in form and color. Gigantic flowers of dark scarlet, well formed, no blotches. Each, 8c; doz., 75c; 100, \$5.00.

Diana (Zeestraten). Dec. Clear, rich blood-red, well placed and beautifully formed. Each, 6c; doz., 60c; 100, \$4.00.

Dr. F. E. Bennett (Diener). Ex. Scarlet throat stippled with ruby and white. Big, vigorous, a ribbon winner. Each, 6c; doz., 60c; 100, \$4.00.

G. J. McKay (Whiteley). Dec. Tomato-red with deeper throat. Large spike and ruffled flowers. Each, 25c; doz., \$2.50.

Graf Zeppelin (Pfitzer). Ex. Clear brilliant orange scarlet. Each, 10c; doz., \$1.00; 100, \$7.00.

Martha Phillips (Vaughan). Dec. Dark solid red. Each, 6c; doz., 60c; 100, \$4.00.

Mrs. Francis L. Karcher (Vaughan). Dec. Light salmon blending to an orange on outer edge of petals, throat petals striped with crimson. Reflex orange-crimson. Tall, straight spike, flowers well placed, 6 to 8 blooms open, free bloomer, early. Each, 6c; doz., 60c; 100, \$4.00.

Orpheus (Pfitzer). Dec. Fine blood-red. Each, 8c; doz., 75c; 100, \$5.00.

Our Selection (Ball). Ex. Salmon-red flaked deeper. Each, 6c; doz., 60c; 100, \$4.00.

Pfitzer's Triumph (Pfitzer). Ex. Salmon-red with darker blotch. Very large flower. Each, 6c; doz., 60c; 100, \$4.00.

Pirate (Palmer). Ex. Shades of carmine and pomegranate-purple. Each, 10c; doz., \$1.00; 100, \$7.00.

Princes (Fleet). Ex. The parent of modern gladiolus. Immense scarlet, white throat. Each, 10c; doz., \$1.00; 100, \$7.00.

Red Lory (Errey). Ex. Red with purplish blotch. Fine for exhibitions. Each, 8c; doz., 75c; 100, \$5.00.

Red Phipps (Briggs). Ex. Really a pink overlaid scarlet. Each, 8c; doz., 75c; 100, \$5.00.



MRS. E. J. HEATON. Each, 8c.

THRIPS TREATMENT

Vaughan's bulb farms in Michigan and the mountains of Tennessee are free from thrips. This insect pest is prevalent in many sections, however, and your planting may become infested from some neighboring focus. If thrips are known to be near you, prevention is advisable. Rotenone sprays and dusts are effective. (See page 106.)

The U. S. department of agriculture recommends, after plants have reached 6 inches in height, weekly spraying with the following formula: ¼ lb. Tartar emetic, 1 lb. brown sugar, 6 gallons of water.

We will ship Tartar Emetic postpaid for ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c.

RED—Continued.

Rewi Fallu (Fallu). Ex. Early deep blood-red. Very large blooms on a tall straight spike. Each, 15c; doz., \$1.50; 100, \$10.00.

Southern Cross (New Zealand). Ex. Large, deep red. Very good color. Each, 10c; doz., \$1.00; 100, \$7.00.

Tip Top (Pfitzer). Ex. Warm red to scarlet. As tall as Afame, florets as large, but of the wide-open, flat type, 6 to 8 open on long, strong spikes. Each, 15c; doz., \$1.50; 100, \$10.00.

Valeria (Pruitt). Ex. A very soft red with a narrow mark of light cream in the throat. Stands up well in heat and dry weather. Five to seven large ruffled flowers open at a time. Each, 50c; doz., \$5.50.

Wurtembergia (Pfitzer). Ex. Large scarlet with broad soft cream blotch. Each, 8c; doz., 75c; 100, \$5.00.

RED MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$3.00.

Vaughan's "Standard" Mixture 50 Bulbs \$1.00

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 35c, postpaid; by express, not prepaid, 50 for \$1.00; 100 for \$1.75; 250 for \$4.00; 500 for \$7.50; per 1,000, \$14.00.

Primulinus Hybrids Mixed 100 Bulbs \$2.50

The range of colors is from the purest and lightest of yellows to deepest orange and from the softest shade of salmon-pink to rich crimson. On account of their slender and graceful habit, delicate colors and shape of the flowers, they are ideal for vases. Doz., 50c; 100, \$2.50.

Lake Geneva Collection

GLADIOLUS

Ten each of the following ten representative varieties of Gladiolus (100 first size Bulbs) will be sent postpaid, for . . . \$4.00

10 Minuet, Large Lavender
10 Chas. Dickens, Purple Violet
10 Commander Koehl, Dark Scarlet
10 Mother Machree, Smoky Lavender
10 Mary Shary, Clear soft primrose-yellow
10 Picardy, Apricot Pink
10 Maid of Orleans, Milky White
10 Red Lory, Red with Purplish Blotch
10 Rosa Raisa, Violet Blue
10 Wasaga, Clear Apricot

LAVENDER

Byron L. Smith (Kunderd). Dec. Beautiful lavender-pink on white ground. Each, 6c; doz., 60c; 100, \$4.00.

Dr. Moody (Kenyon). Ex. Light lavender. Each, 6c; doz., 60c; 100, \$4.00.

Heavenly Blue (Pfitzer). Dec. Lavender-blue. Each, 10c; doz., \$1.00; 100, \$7.00.

Iris (Ragot). Dec. Curious slaty blue color, slightly flamed with red; small white blotch spotted carmine. Each, 6c; doz., 60c; 100, \$4.00.

Lavender Delight (Arenius). Ex. Deeper and more brilliant than Minuet and making the longest flower-head and spike of the various lavenders offered. Each, 8c; doz., 75c; 100, \$5.00.

Milford (New Zealand). Ex. One of the best. Clear azure-blue, slightly darker at edges of petals. Very large, nine open. Spike and placement good. Each, 10c; doz., \$1.00; 100, \$7.00.

Minuet (Coleman). Ex. Large light lavender. Ex. highly recommend it. Each, 6c; doz., 60c; 100, \$4.00.

Royal Lavender (Schleider). Dec. Dark lavender. Each, 8c; doz., 75c; 100, \$5.00.

Salbach's Orchid. Ex. Very fine lavender. Each, 6c; doz., 60c; 100, \$4.00.

LAVENDER MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

ORANGE

Dearborn (Vaughan). Dec. Immense florets of deep flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six in. in diameter. A giant gladiolus that blooms early. Each, 6c; doz., 60c; 100, \$4.00.

Duna (Palmer). Ex. Clear, soft, light pinky buff, bit yellow at base. Back of petals a shade darker, 5-6 open on medium tall spike. High in color values and we like it better than Wasaga. Each, 6c; doz., 60c; 100, \$4.00.

Grand Slam (Salbach). Ex. Large highly ruffled light orange. Each, 8c; doz., 75c; 100, \$5.00.

La Paloma (Dusinerre). Dec. A large pure orange primulinus of the grandiflora type. Each, 6c; doz., 60c; 100, \$4.00.

Orange Queen (Pfitzer). Dec. A large flowered primulinus of wonderful glowing orange, with red stripes on lower petals. Each, 5c; doz., 50c; 100, \$3.00.

Paradis (Pruitt). Dec. Large apricot-buff shading to yellow in throat. Each, 10c; doz., \$1.00; 100, \$7.00.

Senorita (Salbach). Dec. Very clear wide-open orange shading salmon. Each, 6c; doz., 60c; 100, \$4.00.

Wasaga (Palmer). Dec. Clear apricot, buff throat. Large flowers and beautiful for basket work. Trifle darker than Duna. Each, 6c; doz., 60c; 100, \$4.00.

ORANGE MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

STANDARD VARIETIES for the Cutting Garden

Albania. White
Belinde. Soft yellow
Berty Snow. Lavender
Butterfly. Yellow
Break O' Day. Pink
Chicago White
E. J. Shaylor. Rose
Giant Nymph. Pink
Gold Eagle. Yellow
Halley. Salmon-pink
Los Angeles. Pink
Louise. Pure lavender
Mrs. L. Douglas. Begonia rose
Mrs. F. Pendleton
Mrs. F. King. Scarlet
Odin. Salmon-pink
Peace. White
Schwaben. Yellow
Souvenir. Yellow
Wilbrink. Pink
Windsor. Light pink
Any of the above, doz., 50c; per 100, \$3.00.

100 Bulbs of Picardy, Champion of \$2.00

PREPAID 600 MILES

These are flowering size bulbs (No. 3) which will produce exhibition flowers, but take longer to do it than larger bulbs. Picardy is without a rival for the most popular gladiolus. Its soft salmon coloring, huge overlapping florets, perfectly spaced to produce a gorgeous plume of color, have won it leadership in the exhibition room, in the garden, and in the cut flower market. No. 1 bulbs, 100 for \$3. No. 2 bulbs, 100 for \$2.50. By Express Collect.

SMOKY

- Au-Gres (Vaughan).** Ex. Early 75 to 80 days. Color, ashes of roses with a conspicuous white throat; very novel and attractive combination. Medium height and flowers well placed. Each 6c; doz., 60c; 100, \$4.00.
- Bagdad (Palmer).** Ex. Very large smoky old-rose. ★ Each, 6c; doz., 60c; 100, \$4.00.
- Coppersheen (Vaughan).** Dec. A very attractive primulinus novelty. It contains a blending of colors difficult to describe, but which gives the flower a bronzy orange effect. The florets are round, well hooded and spaced separately on the spike, characteristic of the prim type. Each, 6c; doz., 60c; 100, \$4.00.
- Emile Aubrun (Lemoine).** Ex. Coppery bronze ★ with cherry blotch. Each 6c; doz., 60c; 100, \$4.00.
- Huron (Vaughan).** SD. Light ashes of roses shade on upper petals, lower petals plum, shading to center with blotches of cream. Each, 8c; doz., 75c; 100, \$5.00.
- Marmora (Errey).** Ex. Lavender-grey, dark blotch. ★ Each, 6c; doz., 60c; 100, \$4.00.
- Mother Machree (Stevens).** Ex. Soft smoky lavender. Large flower and plant with large number out, excellent arrangement, remarkable substance, beautiful coloring of lavender and orange, subdued with neutral grey. Each, 8c; doz., 75c; 100, \$5.00.
- Romance (Kunderd).** Dec. The color of this flower is difficult to describe, a very beautiful blend of orange, salmon and rose, with a throat of red and yellow. Each, 6c; doz., 60c; 100, \$4.00.
- Vagabond Prince (Palmer).** Ex. Iridescent, garnet brown, lighter in upper throat, small flame, scarlet blotch below. The color combination is very attractive. A good one for your collection. Each, 15c; doz., \$1.50; 100, \$10.00.
- Tawny (Vaughan).** Dec. Very tall spike (50 inches). 7 large flowers open, 10 buds, flowers well placed. Color, deep rose-apricot faintly laid with pale rose-violet at the edges. Remarkably silky texture. Very large flowers well placed, stamens and pistils white. An outstanding flower. Each, 6c; doz., 60c; 100, \$4.00.

SMOKY MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

YELLOW

- Betsy Bob-up.** Ex. Creamy yellow sport of B. Nuthall. Each, 8c; doz., 75c; 100, \$5.00.
- Cadillac (Vaughan).** Ex. Tall spike, flowers well placed and of good form. Seven open at one time, 3 to 7 buds. Color, golden apricot fading to apricot-rose toward edge of petals, no throat markings, stamens and pistils creamy white. A very warm and pleasing shade. Each, 8c; doz., 75c; 100, \$5.00.
- Golden Chimes (Ellis).** Ex. Highly ruffled light yellow. Each, 10c; doz., \$1.00; 100, \$7.00.
- Golden Dream (Groff).** Dec. Clear deep yellow. ★ Each, 5c; doz., 50c; 100, \$3.00.
- Golden Goddess (Salbach).** Ex. The first patented Gladiolus. Ten to sixteen florets open at once, deep rich golden yellow. Introduced only last season, but we have arranged with the patentee for the right to sell this outstanding new Gladiolus. Each, 8c; doz., 75c; 100, \$5.00.
- Golden Lancer (Heberline).** Dec. Pinard-yellow with short delicate lines of rose-red in throat. Each, 10c; doz., \$1.00; 100, \$7.00.
- Golden Measure (Kelway).** Ex. Large, well expanded flowers of golden yellow. It is a very robust and tall grower, a quality unusual in the yellow and blue varieties. Each, 6c; doz., 60c; 100, \$4.00.
- Improved Schwaben (Vaughan).** Dec. A Schwaben ★ seedling retaining the luxuriant growth of its parent, but of a deeper yellow color, with very little throat markings. Each, 6c; doz., 60c; 100, \$4.00.
- Jeanette (Whiteley).** Ex. Very tall, well set spike. Pale yellow. A ruffled Improved Flora. Each, 25c; doz., \$2.50.
- Mary Shary (Vaughan).** Dec. Clear soft primrose-yellow with a deeper yellow in throat, faint marking in throat. Spike tall, straight and strong. Flowers well placed, 6 to 8 open. By artificial light remains a beautiful yellow for evening decorations. Each, 8c; doz., 75c; 100, \$5.00.
- Mrs. M. G. Wade (Whiteley).** Dec. Clear yellow, large spike. Each, 15c; doz., \$1.50; 100, \$10.00.



GOLDEN GODDESS, Giant Yellow, First Patented Gladiolus. Each, 8c.

YELLOW—Continued.

- Royal Oak (Vaughan).** Ex. Primrose yellow, lightly suffused with pink, the lower petals showing a single fine line of red in the center. 5-7 well placed flowers open at a time. The spike carries 16 to 20 buds. Exceptionally early, blooms in 60 days. Strictly a commercial variety. Each, 8c; doz., 75c; 100, \$5.00.
- Yellow Emperor (Ellis).** Ex. Clear light yellow. Each, 8c; doz., 75c; 100, \$5.00.
- Yellowstone (Vaughan).** Dec. Early, tall, clear ★ yellow primulinus similar to Souvenir, but deeper yellow and better grower. A perfect self-color, beautifully formed. Each, 6c; doz., 60c; 100, \$4.00.

YELLOW MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$3.00.

BLUE AND PURPLE

- Anna Eberius (Diener).** Ex. Dark, velvety maroon-purple. Each, 8c; doz., 75c; 100, \$5.00.
- Ave Maria (Pfitzer).** Dec. Extremely good blue-purple. Strong grower, flowers well arranged. Each, 8c; doz., 75c; 100, \$5.00.
- Bloomington Beauty (Vaughan).** Dec. Good ★ spike, 5 open flowers, 10 buds, flowers well placed. Color amaranth with crimson blotch on lower petals. Stamens light amaranth. Each, 8c; doz., 75c; 100, \$5.00.
- Blue Danube (Pfitzer).** Dec. Pure amethyst blue with real blue blotch. Each, 8c; doz., 75c; 100, \$5.00.
- Blue Royale (Vaughan).** Dec. True violet-blue. ★ Very prolific and much larger, taller and stronger grower than any other blue we or any one else have ever introduced. In season it is later than Rosa Raisa or Mrs. T. J. Knudson. An outstanding advance in this new color. Each, 10c; doz., \$1.00; 100, \$7.00.

BLUE AND PURPLE—Continued.

- Canyon Violet (Vaughan).** Dec. Another of the ★ famous Vaughan violet and blue shade varieties. Deep violet-blue with a darker and larger bloom than our Rosa Raisa or Blue Royale. Very tall and a strong grower. Each, 10c; doz., \$1.00; 100, \$7.00.
- Chas. Dickens (Pfitzer).** Dec. Purple-violet. Each, 6c; doz., 60c; 100, \$4.00.
- Kalamazoo (Vaughan).** Ex. Large, compact flowers ★ of beautiful violet-purple, with a creamy white throat. Each, 6c; doz., 60c; 100, \$4.00.
- Mrs. T. J. Knudson (Vaughan).** Dec. This is one ★ of the Vaughan blues much admired at all shows and in a class with Rosa Raisa. Clear light violet, shading deeper towards the outer edge of petals. The throat has a deep violet plume, tipped or capped by a characteristic bright creamy spire, giving it a very striking effect. Florets are medium in size, with many, well placed, open at one time. This is an outstanding introduction in a color-class where good varieties are scarce. Midseason, strong grower of good height. Each, 10c; doz., \$1.00; 100, \$7.00.
- Pelegria (Pfitzer).** Dec. Deep blue. Each, 8c; doz., 75c; 100, \$5.00.
- Rhapsody in Blue (Vaughan).** Dec. Pale blue ★ violet with deep violet throat. Flowers well placed, many open at once. A distinct addition to the all too few good blues. Each, 35c; doz., \$3.50.
- Rosa Raisa (Vaughan).** Dec. Long spike, flowers ★ well placed and of very good size; 4 open at one time, 10 buds. Color, lower 3 petals blotched with violet, upper petals pale mauve shading to violet edge. Stamens violet. Compared to Veilchenblau, flowers larger, contrast between upper and lower petals more intense. A better propagator. Each, 10c; doz., \$1.00; 100, \$7.00.

BLUE AND PURPLE MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

WHITE

- Albatross (Pfitzer).** Ex. Pure white. Each, 6c; doz., 60c; 100, \$4.00.
- ob White (Zimmer).** Ex. Large pure white. Each, 8c; doz., 75c; 100, \$5.00.
- Maid of Orleans (Pfitzer).** Ex. Milky white, cream ★ throat. Each, 6c; doz., 60c; 100, \$4.00.
- Mammoth White (Pfitzer).** Ex. One of the largest ★ white varieties in existence. Flowers are pure, glistening white. A perfect exhibition flower. Each, 6c; doz., 60c; 100, \$4.00.
- Myrna (Pruitt).** Ex. An excellent white, sister to Shirley Temple, ruffled and strong grower. Each, \$2.00; doz., \$20.00.
- Seafoam (Vaughan).** S.D. White Primulinus. Good ★ spike, flowers well open, medium size, stamens white color, pure white with greenish reflex, four flowers open, 7 to 9 buds. A wonderful producer. Each, 5c; doz., 50c; 100, \$3.00.
- Shirley Temple (Pruitt).** Ex. Color rich cream, ★ almost white, with richer cream throat mark. Six to eight very large, most beautifully ruffled flowers open at one time. A maximum spike is equal in size to Picardy or Miss New Zealand. Despite its enormous size it carries not the least bit of coarseness. As a cut flower it will stand up with the best of them, the last bud on the spike blooming out perfectly. Makes beautiful foliage and large, high crown bulbs. Makes ample bulbets that grow readily, without pregermination. It blooms some later than Picardy. Each, 10c; doz., \$1.00; 100, \$7.00.
- Star of Bethlehem (Pfitzer).** Ex. Enormous snow-★ white. Good exhibition variety. Each, 10c; \$1.00; 100, \$7.00.
- Vaughan's White (Vaughan).** Ex. Many large, ★ well-expanded flowers of satiny white are open at one time. It is larger flowered and more vigorous in growth than Europa, and as prolific as America. Without doubt it is the best white yet introduced. Each, 10c; doz., \$1.00; 100, \$7.00.

WHITE MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

Prices for single bulbs and by the doz., as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.



LILIUM CANADENSE



LILIUM AURATUM



LILIUM HANSONI



LILIUM JAPONICUM

Hardy Lilies for Spring Planting

HARDY lily bulbs, of 1939 crop, carried over the winter in cold storage, may be planted in the spring, and will blossom in mid-summer, when the garden needs their glory.

Lilies are truly among the most beautiful of all bulbous plants. They are especially suitable for planting in herbaceous borders, and enjoy a position where they are protected by the shade of surrounding plants. Light, well-drained soil is recommended. Bulbs should be planted 5 to 6 inches below the surface, and to prevent the accumulation of excessive moisture, surround the bulb with coarse sand and fill in with a mixture of fibrous loam and leaf-mold.

Many varieties are termed "stem-rooters"—that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely.

For the smaller varieties, plant in clumps, the bulbs about 6 inches apart, leaving more space for the strong and larger species. The most striking mode of planting is in groups of 3 to 9 bulbs in a mass.

AURATUM PLATYPHYLLUM (Improved Auratum)—Superior to Auratum in larger flowers, profuse blooming, and glossy foliage. First Size (8-9 inches), each, 30c; doz., \$3.00; 100, \$22.00; prepaid. Mammoth Size (9-11 inches), each, 45c; doz., \$4.50; 100, \$30.00; prepaid. Jumbo Size (11-13 inches), each, 55c; doz., \$5.50; 100, \$40.00; prepaid.

AURATUM—The Gold-Banded Lily of Japan, grows four to seven feet tall, blooming in July and August. First Size (8-9 in.), ea., 25c; doz., \$2.50; 100, \$18.00; prpd. Mammoth Size (9-11 in.), ea., 35c; doz., \$3.50; 100, \$25.00; prepaid. Jumbo Size (11-13 in.), ea., 50c; doz., \$5.00; 100, \$40.00; prpd.

BATEMANNIAE—Gorgeous deep apricot colored lily resembling Umbellatum. July flowering. 3 feet. Each, 25c; doz., \$2.50; 100, \$18.00; prepaid.

BROWNII—Massive trumpet-shaped flowers, deliciously fragrant. They open pale yellow and fade quickly to a pure, creamy white color. The outside of the trumpets is bronze. Easy to grow if good drainage is provided. Height, 2½ to 3½ ft. Each, 50c; per doz., \$5.00.

CANADENSE—Mixed, red, and yellow, grows two to five feet; often as many as forty flowers. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.

LILIUM ELEGANS (Lilium Thunbergianum)—A very beautiful group of showy Japanese Lilies flowering in June and July and growing 1½ to 2 feet high. This is a lily of easy culture, highly recommended for naturalizing, and excellent for rock gardens.

Mixed. Good range of reds and yellows. Each, 20c; doz., \$2.00; per 100, \$15.00; prepaid.

LILIUM HANSONI—The flowers are a deep orange-yellow shade, spotted brown, grow three to four feet high, blooming during the latter part of June. Although perfectly hardy, the bulbs, which should be planted six to eight inches deep, require a covering of straw or boughs of trees to keep them from starting into growth too early. Plant in semi-shade. Each, 40c; doz., \$4.00; 100, \$35.00; prepaid.

LILIUM HENRYI—A very beautiful lily from central China growing all the way from four feet to eight feet, and often carrying as many as twenty bright orange-yellow, slightly spotted reddish brown flowers in August. It is one of the very best lilies for general culture; hardy, robust, long-lived, growing in almost any soil and situation, although it requires good drainage. 8 to 9 inch, each, 20c; doz., \$2.00; 100, \$15.00; prepaid. 9 to 11 inch, each, 30c; doz., \$3.00; 100, \$20.00; prepaid.

LILIUM JAPONICUM (Formerly Lilium Kramerii)—The flowers, a lovely shade of pale pink, are tubular, being held in horizontal position. They first form a wide cup, and then the petals, with their frilly margins, spread out and curl around. Flowers in June. This lily is not an easy garden subject, and is best grown in pots and after all danger of frost is over can be set out in the garden. Plant five inches deep, in a light, peaty soil which must be well drained. Each, 30c; doz., \$3.00; 100, \$20.00; prepaid.

LILIUM PARDALINUM (Leopard or Panther Lily)—A late June flowering lily of rich scarlet and yellow, spotted rich brown from Sierra Nevada Mountains of California. Ten to thirty flowers on a 5-6 foot stem. Each, 25c; doz., \$2.50; 100, \$18.00.

MOSAIC-FREE LILY BULBS

For those who have had trouble with mosaic disease, we are glad to offer, for the first time, a limited quantity of American-grown bulbs, free from mosaic. They should be planted in soil in which lilies have never been grown and at some distance from other lily plantings.

No orders can be accepted after April 1.

Centifolium. A giant among lilies, with long, trumpet-shaped white flowers, streaked outside with brown and flushed inside with yellow at the base of the trumpet. 3-4 inch. Each, \$1.00; doz., \$10.00.

Creelman Seedlings. Beautiful trumpet lilies grown from the seed of the famous George C. Creelman Hybrid. Flowers resemble Lilium Regale of truest type, with bronzy tones more pronounced and a more intensely yellow throat. Two weeks later than Regale, growing 6 feet tall in good environment, as many as 35 flowers on a stalk. One of the hardiest. 3-4 inch. Each, \$1.00; doz., \$10.00.

L. Regale Hybrid. Of unknown origin, found growing in a bed of Lilium Regale. Over six feet in height with tall pyramidal flower stalk. Flowers just after Regale and just ahead of Sulphur-gale 3-4 inch. Each, \$1.00; doz., \$10.00.

Shelburne Hybrid. This lily is the result of a cross between L. regale and the beautiful L. sargentiae. A tall grower with very large trumpet. 3-4 inch. Each, \$1.00; doz., \$10.00.

Sulphur-gale Hybrids. These beautiful lilies were obtained by crossing L. sulphureum with L. regale. Larger and taller than regale and flowering two weeks later. 3-4 inch. Each, \$1.00; doz., \$10.00.

LILIUM REGALE—The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flower, besides being eminently beautiful, possesses a delightful fragrance. The bulb, which should be given good, sharp drainage (as should all lilies), is perfectly hardy, usually presenting a dried, shriveled appearance. First Size (6-7 in. in circumference), each, 15c; doz., \$1.50; 100, \$10.00; prepaid. Select Size (7-8 in. in circumference), each, 20c; doz., \$2.00; 100, \$15.00; prepaid. Mammoth Size (8-9 in. in circumference), each, 25c; doz., \$2.50; 100, \$18.00; prepaid. Jumbo Size (9-10 in. in circumference), each, 35c; doz., \$3.50; 100, \$25.00; prepaid. Extra Jumbo (10-11 inch), each, 50c; doz., \$5.00; 100, \$37.00.

LILIUM SPECIOSUM RUBRUM (Magnificum) (The Lance-Leaved Lily)—The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about four feet high and has fresh, green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl away out. A very beautiful lily, perfectly hardy, very seldom diseased, and a late August and early September bloomer. Plant the bulbs eight to ten inches deep. First Size (8-9), each, 25c; doz., \$2.50; 100, \$18.00; prepaid. Mammoth Size (9-11), each, 35c; doz., \$3.50; 100, \$25.00; prepaid. Jumbo Size (11-13), each, 45c; doz., \$4.50; 100, \$35.00; prepaid.

LILIUM SPECIOSUM ALBUM—A pure white form of Lilium Rubrum. First Size (8-9), each, 35c; doz., \$3.50; 100, \$25.00; prepaid.

LILIUM SUPERBUM (American Turk's Cap, Swamp Lily)—The most showy of the native North American species. Flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown, in late July and August. Height 3-8 feet. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.

LILIUM TENUIFOLIUM—The lovely Coral Lily of Siberia. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. Blooms very early. Each, 15c; doz., \$1.50; 100, \$10.00; prepaid.

LILIUM TIGRINUM FLORE PLENO (Double Tiger Lily)—Probably the only desirable double flowered lily in cultivation. Colors and habit same as that of Tigrinum Splendens. Each, 20c; doz., \$1.75; 100, \$12.00; prepaid.

LILIUM TIGRINUM SPLENDENS (Tiger Lily)—This lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems. Each, 15c; doz., \$1.50; 100, \$10.00; prepaid.

LILIUM UMBELLATUM (Subspecies of Davuricum)—They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup shape. Grandiflorum—Orange red, very large flowers. Each, 25c; doz., \$2.50; 100, \$18.00; prepaid.

LILIUM PHILIPPINENSE FORMOSANUM—A refined and graceful lily with long wide-mouthed trumpet flowers of the purest white, slightly marked externally with reddish brown. Plants grow to height of two to three feet, very robust and offer great resistance to wind and weather. Hardy, very fragrant and one of the loveliest of new varieties. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.

Vaughan's Hardy Climbing Vines



CLIMBING HYDRANGEA

Dozen plants supplied for the price of 10. Six plants of a kind supplied at the dozen rate. If wanted by Parcel Post, add 5c per plant for postage.

TO MAKE a green canopy over pergolas, clothe bare walls with beauty, adorn trellises, transform fences into walls of green, and for many other purposes, hardy climbing vines are useful in the garden. We list varieties of proved merit, among which will be found subjects suitable for any of the uses mentioned.

BITTERSWEET (*Celastrus Scandens*)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., 50c; 3, \$1.25.

CREEPER (*Ampelopsis*)

Boston or Japanese Ivy (*Ampelopsis Tricuspidata* or *Veitchii*). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, 50c; doz., \$5.00, 3 year, 65c; doz., \$6.50.

Engelman's Creeper (*Ampelopsis Engelmani*). One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner and of greater substance. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 2 yr., 40c; 3 yr., 50c.

Virginia Creeper or Woodbine (*Ampelopsis Quinquefolia*). Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls, fences, etc. 2 yr., 40c, 3 yr., 50c.

CLIMBING HYDRANGEA

Hydrangea Petiolaris. A worth while hardy climber with white, four-petaled flowers in 6 to 8 inch loose clusters in July. Will cling to brick or stone walls. Slow growing when young, but once established, makes a rapid growth. Grows best on north or east sides of buildings. Strong pot-grown plants, \$1.00.

TRUMPET CREEPER

Bignonia Radicans. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., 50c.

Bignonia Mme. Galen. A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, 90c.

DUTCHMAN'S PIPE

Aristolochia Sippo. A vigorous and rapid-growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich glossy, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and will thrive in sun or shade. 2 yr., 75c; doz., \$7.50; 3 yr., grafted, \$1.50.

VARIOUS SPECIES OF CLEMATIS

Duchess of Albany (New). Vigorous sprays of gorgeous pink trumpet-shaped flowers about 3½ to 4 inches long. Blooms from July to September. Flowers will last two weeks when cut. 2 yr., \$1.50.

Pink Anemone Clematis (*Clematis Montana Rubens*). The rosy-pink, Anemone-like flowers of this species are very attractive and are produced in greatest profusion over a long period. An excellent early spring flowering climber. 2 yr., 75c.

Scarlet Clematis (*Texensis*). Bell shaped flowers, bright coral-red, from June until frost. 50c.

Sweet Autumn Clematis (*Clematis Paniculata*). The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September when few other vines are in bloom. The most popular of all the small-flowered vines. 2 yr., 50c.

LARGE-FLOWERING CLEMATIS

The most beautiful of all our flowering vines.

Duchess of Edinburgh. Pure white, very double flowers that are not unlike a gardenia.

Henryi. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

Mme. Edward Andre. Very beautiful bright velvety red, free-flowering and continuous bloomer.

Ramona. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue.

Prices of the above 5 varieties: 1-year, 2½ inch pots, each, 50c; 2-year, each, 75c; 3-year, each, \$1.00.

Gold Medal Collection. One each Jackmani, Henryi and Mme. Edward Andre, 1-year for \$1.25; 2-year for \$2.00; 3-year for \$2.75.

FIVE FINE NEW VARIETIES

Belle of Woking. Handsome double flowers of silvery gray. Profuse bloomer in July and again just before frost. 2 yr., \$1.50.

Comtesse de Bouchaud. Beautiful flowers with gracefully curved petals of satiny rose. Blooms from July to Sept. Very distinct. 2 yr., \$1.25.

Crimson King. Truly spectacular, bright red flowers that are often 6 to 7 inches in diameter. Blooms from June to September. \$2.00.

Lord Neville. Exquisite in color, with petals rich in texture, like plum-colored velvet. Has a long blooming season. 2 yr., \$1.25.

Prins Hendrik. Of rare orchid-like beauty, with gorgeous azure-blue, ruffled petals, often 7 inches in diameter. Blooms from June until frost. \$1.75.

Special Offer: One each of Belle of Woking, Crimson King, and Lord Neville. 2-year, for \$3.95.



CLEMATIS Belle of Woking



SILVER LACE VINE (*Polygonum Auberti*)

SILVER LACE VINE

Polygonum Auberti. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., 60c.

HARDY ENGLISH IVY

Hedera Helix Gracilis. A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover. 2 yr., 65c; doz., \$6.50; 2½ in. pots, each, 35c; doz., \$3.00; 100, \$18.00.

HONEYSUCKLE (*Lonicera*)

Excellent vines for covering arbors, fences, pergolas, verandas, etc., and for ground planting under trees. If used on terraces or embankments will prevent washing. All are hardy and improve in beauty yearly.

Everblooming Honeysuckle (*Lonicera Heckrotti*). Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., 75c; doz., \$7.50.

Hall's Japanese Honeysuckle (*Lonicera Japonica Halleana*). This is one of the finest of all vines that one can plant. It is a strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. 2 yr., 50c; doz., \$5.00; 3 yr., 60c; doz., \$6.00.

Trumpet Honeysuckle (*Lonicera Sempervirens*). Fuchsia-like scarlet flowers, very free and beautiful. 2 yr., 50c; doz., \$5.00; 3 yr., 60c; doz., \$6.00.

KUDZU or Jack-and-the-Bean-Stalk Vine. The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. Strong roots. 40c.

WISTERIA

Very strong growing vines that climb high and twine tightly. To get the best bloom, do not over-water or over-fertilize, but prune regularly, cutting back all superfluous growth in August and again in September. **Chinese Wisteria (*Wisteria Sinensis*)**. Blooms very profusely early in summer; flowers violet-blue. In long pendulous clusters. Our plants are propagated from blooming wood. 2 yr., grafted, 75c. **Tree Form**. 3 to 4 ft. stems, 6 yr. plants, 2 yr. heads, B & B., \$7.50.

American Purple Wisteria (*Wisteria Magnifica*). Purple-lilac, pea-shaped flowers, borne in pendulous racemes in late May. 2 yr., 50c; 3 yr., 60c.

Multijuga Naga Noda. This variety has astonishingly long clusters of light purple flowers. On well-established vines they will run 3 to 4 ft. in length. Stock very scarce. 2-yr., grafted, \$1.50.

Pink Japanese Wisteria (*Wisteria Multijuga Rosea*). The queen of the Wisterias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. 2 yr., grafted, \$1.25.

White Chinese Wisteria (*Wisteria Sinensis Alba*). Pure white, very fragrant, 2 yr., grafted, 75c.

New Hardy Everblooming Roses

Of Giant Size, Lovely Coloring and Vigorous Growth

Price of the following varieties:

Dormant Roses, \$1.00; 3 of one kind for \$2.50
Pot Plants, \$1.20; 3 of one kind for \$3.30

★**Christopher Stone.** Classed with Etoile de Hollande and Crimson Glory as one of the three finest red Roses in existence. The plants grow well, have heavy foliage, and all season they produce quantities of brilliant, glowing, velvety scarlet blooms of good form. Delicious old Rose fragrance.

Countess Vandal. (Patent No. 38.) Here in the beguiling tricks known to roses. Full blooms sturdily borne; contrast of soft colors; the majesty of flaunting lines. Exquisite buds of pink, salmon and gold, excellent for cutting.

★**Duquesa de Penaranda.** This glorious rose produces two distinct types of flowers. In summer the pointed buds are apricot-orange and dark pink opening to splendid blooms of coppery apricot. In autumn great brownish buds open slowly to finely formed flowers of a luscious cinnamon-peach color.

Max Krause. Probably the best golden yellow Rose for outdoor use—a gold that stays gold. Long buds open into very large, extremely double, fragrant blooms of great substance, freely borne on long stems. Leathery, healthy foliage.

Miss America. (Patent No. 264.) Wonderful new Rose. It has vigor, fine healthy foliage, extreme hardiness, a lovely color, fragrance, and persistence of bloom. The color is flesh with salmon and gold suffusion, faint gold at the base and frequently with a salmon center. Flowers average 65 petals and are produced singly on long stems all through the season.

Mme. Cochet-Cochet. (Plant Patent No. 129.) Long pointed buds of coppery pink, flushed orange, open to 4½-inch flowers of splendid form, with the color changing to soft satiny pink with attractive tints. Sweet honey-like fragrance. Gold Medal award in 1937 at the Hartford, Connecticut Test Garden.

★**Mme. Joseph Perraud.** Nasturtium orange buds, open to fragrant flowers of a charming Nasturtium buff.

★**Pink Dawn.** Full, double flowers of glistening rose-pink, changing to soft pink; gold base. Buds extra long, excellent for cutting.

★**McGredy's Ivory.** "The perfect white Rose." Perfect buds open into magnificent perfect blooms of ivory-white.

Poinsettia. (Patent rights reserved.) Here is the Rose that will be the sensation of your garden for it is the most dazzling red rose we have ever seen. The buds are ideal in form, long and pointed, and open into large, semi-double, beautiful poinsettia-scarlet blooms, with large well-shaped petals. The plants are good and the blooms are produced profusely during the whole season.

President Boone. (Patent No. 314.) A gorgeous red rose, largest of them all. The plants are very strong, have good foliage and they bear quantities of magnificent blooms all the time. They are very double, delightfully fragrant, and in color a deep velvety crimson, beautifully veined with an entrancing velvety-black.

★**Rouge Mallerin.** A vivid red rose with petals like scarlet velvet. Does not fade. Rich old damask perfume.

★**Souv. de Mme. C. Chambard.** Coral-pink. The buds are large, long-pointed, coral in color, and slowly unfold to a coral-pink flower developing a satiny peach tint. Its fragrance is simply delicious.

★**Sterling.** (Patent No. 21.) Here is a new rose that is just about perfect. The flowers are a beautiful clear pink with orange base; bud pointed and very lasting when cut. It is a vigorous grower, has disease-resistant foliage, and it blooms and blooms.

White Briarcliff. (Patent No. 108.) The first and only absolutely pure white Hybrid Tea Rose. A supreme white of fine form. Vigorous, bushy plant, hardy. Good producer and ideal for cutting. Keeps a long while in water.

Will Rogers. (Patent No. 256.) This rose is one of the finest of velvety reds. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense old rose fragrance. It is ideal for cutting and bears quantities of flowers throughout the season. Does best in semi-shade.



MABELLE STEARNS

NEW PERPETUAL FLOWERING DOORYARD ROSE

Dormant Roses, 3 for \$5.00; each, \$2.00
Pot Plants, 3 for \$6.20; each, \$2.20

★**Mabelle Stearns.** (Patent No. 297.) A Rosa Setigera Hybrid that is hardy without protection in the Temperate Zone. Very hardy plants growing 2 feet high and spreading 6 to 8 feet or more if permitted. The full double delightfully fragrant flowers of peachblossom-pink are produced in panicles from June until frost, and are excellent for cutting. Rich, green, healthy foliage.

Price of the following varieties:

Dormant Roses, \$1.50;
3 of one kind for \$3.75

Pot Plants, \$1.70; 3 of one kind for \$4.70

Golden State. (Patent No. 303.) Long stemmed, very double, long lasting cut flowers of un fading golden yellow on vigorous healthy plants. The official Rose for the Golden State International Exposition, 1939.

McGredy's Pink. (Patent No. 341.) An ideal garden rose, few thorns, bushy and vigorous. Bright pink with shaded salmon and yellow. Its blooms are large, of perfect form, and sweetly scented. They are produced on stiff stems, free and continuously from early summer to late autumn.

★**McGredy's Sunset.** (Patent No. 317.) Soft yellow flushed with orange and scarlet as it opens. Color is intensified as blooms expand and is at its best when fully opened. Full shapely flowers freely borne on strong upright stems. Excellent in hot weather. This was one of the most outstanding Roses in our trial gardens last year.

Rex Anderson. (Patent No. 335.) Sensationally beautiful new white with an overcast of ivory, slightly deeper in the center. The large blooms are carried, several together, on strong stems and may be grown to enormous size by disbudding. Vigorous plants with an abundance of grey-green foliage which sets the flowers to perfection. Pleasing rose fragrance.

R. M. S. Queen Mary. (Patent No. 249.) Sensational New Garden Rose. Beautiful beyond description with its combination of vivid shades of rich glowing salmon, exquisite pure pink and orange base. Buds long and pointed, flowers large and of beautiful form. Strong grower, flowers delicately perfumed.

Rome Glory. (Patent No. 304.) Proclaimed one of the finest red Roses yet introduced and best described as a cerise-red Dame Edith Helen. Produces very large, full double blooms of superb form on long stems. Flowers long lasting on the plant or when cut and not affected by dry or wet weather. Very perfumed. Extraordinarily robust and hardy plant.

★ Indicates outstanding garden varieties.

DELUXE ROSE COLLECTION

One each Christopher Stone, Duquesa de Penaranda, Max Krause, McGredy's Ivory, Mme. Joseph Perraud and Souv. de Mme. Chambard, dormant, (value \$6.00) for \$4.75; pot-grown, (value \$7.20) for \$5.75.

Price of the following varieties:

Dormant Roses, \$1.25; 3 of one kind for \$3.15

Pot Plants, \$1.45; 3 of one kind for \$4.00

Amelia Earhart. (Patent No. 63.) An exhibition Rose of great magnificence. Very large, straw-yellow buds with a blush, opening to an immense double bloom. The center is lemon-yellow surrounded by a collarette of light colored petals, assuming a flesh tint. In exhibitions it very frequently wins "Best Rose in Show." Fragrant.

★**Angels Mateau.** (Patent No. 174.) Enormous full double deliciously fragrant blooms of an extraordinary color of orange old-rose. Strong grower with healthy foliage. It is easily one of the best of newer roses and is one that will be a favorite for a long time.

★**Crimson Glory.** (Patent No. 105.) We consider this the finest of the new red garden roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded ox-blood red and mellowed by a soft velvety nap. Vigorous growth.

★**Eclipse.** (Patent No. 172.) Introduced in 1936, this rose is internationally famous and is of sensationally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semi-double blooms, lasting well. A garden rose that is here to stay.

Signora. (Plant Patent No. 201.) There is no other rose quite like this one, which is one of the finest of the new varieties that have come to America. A warm symphony of color, mostly in shades of brownish orange and salmon. It is a vigorous, tall and free blooming plant with long buds opening double and fragrant.

FOUR GREAT ROSES

One each Angels Mateau, Crimson Glory, Eclipse, and Sterling, dormant (value \$4.75) for \$3.95; pot plants (value \$5.80) for \$4.75.



ROME GLORY



McGREDY'S SCARLET

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

EVERBLOOMING HYBRID TEA ROSES OF RECENT INTRODUCTION

Dormant Roses, 85c; 3, \$2.25; 12, \$8.50
Pot Plants, \$1.00; 3, \$2.70; 12, \$10.00

***Cynthia.** An outstanding cut flower variety. Exceptionally well-formed buds and full double flowers of brilliant carmine.

***Condesa de Sastago.** A spectacular rose with flowers of fiery copper and yellow.

Editor McFarland. Exceptionally fine deep pink variety, good grower, and excellent cut flower.

Hinrich Gaede. Long pointed, Nasturtium-red buds and big double blooms of rich luminous vermilion shaded golden yellow.

Leonard Barron. A very hardy Rose. Its immense blooms, over 5 inches across, are probably the largest of any everblooming rose. They are a lovely salmon-pink with an amber glow. Vigorous, bush growth.

Mrs. Sam McGredy. Exceptionally good all-purpose variety with elegant, shapely buds produced singly on strong slender stems. Well-shaped blooms of coppery scarlet-orange, outside of petals heavily flushed with red. Beautiful plants, bronzy foliage and spreading habit.

***Southport.** Fine flowers of an exceedingly brilliant scarlet which is unaffected by the weather. Very showy, probably the most brilliant of all scarlet Roses. Fine buds of lovely form on long stems.

Texas Centennial. (Patent No. 162.) A sport of President Hoover with all its wonderful plant qualities. It has the same strong, vigorous growth, long stems and magnificent large full buds and blooms, but the color is a striking blood-red toning to cerise red.

CHOICE EVERBLOOMING HYBRID TEA ROSES

Dormant Roses, 75c; 3, \$2.00; 12, \$7.50
Pot Plants, 95c; 3, \$2.60; 12, \$9.50

***Betty Uprichard.** "If I had room for only one rose in my garden, it would be Betty Uprichard"—such is the enthusiasm of one great rose lover for this vigorous, very fragrant rose. Pointed copper-red buds, opening, reveal petals of soft salmon-pink which, in full bloom, contrast prettily with a reverse of orange-carmine.

Briarcliff. Long pointed buds and large, high centered flowers of deep rose-pink passing to a lighter shade on outer petals. Fragrant. Almost thornless and one of the finest garden roses for cutting.

Caledonia. Has beautifully shaped, long snow-white buds which open to fine double flowers on long stems for cutting. It has a delicious fragrance and is profuse in its habit of bloom.

Dame Edith Helen. Though there are many fine pink roses, this one remains a leader. Blooms are of magnificent size and substance on bushes of vigorous upright growth. It is extremely double and high centered with broad petals that curl back luxuriously.

Edith Nellie Perkins. A unique rose of many pastel shades. Buds long and pointed, petals cream and blush and salmon-pink shaded to golden orange at base. Robust growth and produces flowers in abundance.

E. G. Hill. Long, perfectly formed buds opening to full double flowers of dazzling scarlet, shading to deeper red. Flowers are borne on long stems and are deliciously fragrant. A Rose that is popular everywhere for its brilliant color, freedom of bloom and lasting qualities.

***Etoile de Hollande.** A brilliant dark red rose of magnificent size and perfect form.

Golden Dawn. Buds lemon-yellow, splashed with carmine, open to great big fragrant flowers of pale straw yellow.

Gruss an Teplitz. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. Very hardy.

***Joanna Hill.** One of our most popular roses and the best of its color. Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form, whether in graceful bud or full blown flower.

Kaiserin Auguste Viktoria. Creamy buds developing slowly to snowy white blooms of perfect form.

Lady Alice Stanley. One of the best garden roses we have, with very double, large silvery-pink flowers, sweetly fragrant. Has healthy foliage and is long lived.

***Margaret McGredy.** Comparatively new and is a striking variety. Large Oriental red blooms, rich color and vigorous, bushy growth. Blooms continuously.

***McGredy's Scarlet.** A rose with the McGredy name is always a top-notch and this one is no exception. Its perfectly formed flowers of vivid rose-red come on long stems and are excellent for cutting.

***Mme. Butterfly.** This rose should be in every collection, large or small. Time has proved its dependability and endeared it to the hearts of all. Light pink petals with deep shadings of apricot and gold at its heart and petal tips of ivory white.

***Mme. Jules Bouche.** Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with blush pink; fragrant. Plant exceptionally strong and continuously in bloom.

***Mrs. Charles Bell (Shell-Pink Radiance).** An exquisite shade of salmon-shell-pink that is not found in any other rose. Has delicious fragrance and all the excellent qualities of Radiance.

***Mrs. Erskine Pembroke Thom.** An unfading yellow with dark healthy foliage. Slender buds open to perfectly shaped flowers of canary yellow.

Mrs. Henry Bowles. A large well formed, fragrant rose of brilliant pink with salmon shadings. Extra good bloomer.

Mrs. Pierre S. du Pont. Exquisitely for med flowers of dark golden yellow that holds well.

President Herbert Hoover. A wonderful blend of cerise-pink and rich cream veined with scarlet.

***Radiance.** Brilliant rose carmine, shaded with pink, large, full, of fine form. A constant bloomer and an excellent keeper in summer.

***Red Radiance.** Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.

Souvenir de Claudius Pernet. Flowers sun-flower-yellow, fading even in the warmest weather.

Talisman. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals.

POLYANTHA AND FLORIBUNDA EVERBLOOMING ROSES

As a class these Roses are among the hardest hybrids offered. They are everblooming, just like the Hybrid Teas, but their blooms are borne in clusters on a much branched, bushy plant. The new Floribunda types produce flowers almost as large as the hybrid teas and their habit of blooming is even more continuous. All Roses listed are wonderful for bedding or for everblooming hedges.

Price, except where noted,

Dormant Roses, 75c; 3, \$2.00; 12, \$7.50
Pot Plants, 95c; 3, \$2.60; 12, \$9.50

Betty Prior. Floribunda. (Pat. No. 340.) Exquisite single blooms, borne in large clusters on strong stems. Outside of petals dark carmine, inside delicate shell-pink. Very vigorous and continuous bloomer; fragrant.

Dormant, \$1.00; 3, \$2.15; Pot Plants, \$1.20; 3, \$3.30.

Cecile Brunner. (The Sweetheart Rose). The charm of this variety is in its beautifully proportioned buds and half open flowers. Soft, rosy pink on a background of creamy white.

***Donald Prior.** Floribunda. (Pat. Applied For.) The large flowers are semi-double, cup-shaped, bright scarlet, flushed crimson, a very striking color. Fragrant, foliage dark green; very free flowering.

Dormant, \$1.00; 3, \$2.50; Pot Plants, \$1.20; 3, \$3.30

Gloria Mundi. Full double flowers of most brilliant orange scarlet. Continuous bloomer and gives a rich colorful effect.

***Improved LaFayette.** An unusually prolific large flowering variety; very showy and fine for mass plantings. Flowers deep brilliant red; richly suffused crimson, almost as large as a hybrid tea rose.

Mrs. R. M. Finch. Double soft rosy-pink flowers, 2 inches in diameter. A very fine color. Vigorous grower.

Pink Gruss an Aachen. Floribunda. Large, very double, deep salmon-pink blooms like a hybrid tea rose. Ideal for bedding; produces a constant mass of bloom.

***Rochester.** Floribunda. (Patent No. 131.) A group of Rochester is a continuous mass of beautiful flowers. Full double blooms, creamy yellow, tinted with the colors of an Oriental pearl. Foliage heavy and disease resistant; growth vigorous; hardy.

Dormant, 85c; 3, \$2.15; Pot Plants, \$1.00; 3, \$2.70.

Snowbank. Floribunda. (Pat. No. 279.) Large flowering—low growing. Buds buff-orange, opening to semi-single bluish-white flowers that turn pure white. They are borne in large panicles and are very long lasting. Always in bloom.

Dormant, 85c; 3, \$2.15; Pot Plants, \$1.00; 3, \$2.70.

Triomphe Orleansis. Brilliant crimson double flowers in heavy clusters.

See Rose Collection on Page A.
Ask for our leaflet "How
to be Successful with Roses."

SURPRISE ROSE COLLECTION

This is made up of our selection of Everblooming Hybrid Tea Roses. They will all be high grade Roses, in a wonderful assortment of colors, worth from 75c to \$1.20 each. Every Rose will be labeled (no two varieties alike) and because you are letting us make the selection, we are giving you this bargain price.

- 6 Roses, our selection, dormant for \$2.95
- 6 Roses, our selection, potted for 4.00
- 12 Roses, our selection, dormant for 4.95
- 12 Roses, our selection, potted for 7.00

POT PLANTS

These northern grown 2-year field roses are potted and grown in cool greenhouses. By May they are in full leaf, possibly showing buds, and the roots are well established in a ball of soil. Pot grown roses not ready till May 1st.

DORMANT

All our dormant roses are hardy, Northern grown 2 yr., No. 1 grade and should be planted early. They may be shipped by parcel post.

All Roses Shipped from Chicago. All Dormant Roses Prepaid 600 Miles from Chicago. All Pot Roses Shipped Express Collect from Western Springs, Ill.

STANDARD TREE ROSE



These ornamental and much prized roses are bush shape, grafted to a standard or trunk 3 feet high. Hybrid teas are chiefly used, and the bush or head is capable of bearing 30 to 50 blossoms each season. Need winter protection.

We can supply the following, except where noted, dormant only, at \$3.00 each; \$27.50 for 10.

- Etoile de Hollande
 - Frau Karl Druschki
 - Margaret McGredy
 - Mme. Joseph Perraud
 - Mrs. E. P. Thom
 - Mabelle Stearns
 - Paul's Scarlet Climber
 - Pres. H. Hoover
 - Radiance
 - Red Radiance
 - Talisman
- Each, \$5.00.

Hardy Climbing Roses

Attention is invited to the many types of climbing roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but winter protection is desirable.

Price of the following 10 varieties:

Dormant, 75c; 3, \$2.00; 12, \$7.50

Pot Plants, 95c; 3, \$2.60; 12, \$9.50

Bonfire. Best red rambler. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

Climbing American Beauty. A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season.

Chaplin's Pink Climber. Lively pink blooms in clusters of 8 to 12 large and shapely flowers. A strong grower.

Dorothy Perkins. Beautiful shell-pink double flowers in large clusters. Strong, vigorous grower.

Dr. W. Van Fleet. The delicate flesh-pink flowers are full and double, sweetly perfumed; beautiful bronze green foliage.

Mary Wallace. Well formed, semi-double flowers of a bright clear rose-pink with salmon base. Flowers, generally 4 inches in diam.

Mme. Gregoire Staechelin. This new variety is the aristocrat of the climbing roses. Its beautiful flowers are of enormous size and are followed by fruits as large as small pears. The blooms are iridescent pearl-pink, splashed with carmine, fragrant.

Paul's Scarlet Climber. A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber.

Primrose. A pure yellow, hardy climbing rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

Silver Moon. Beautiful, fragrant, semi-double flowers four and a half inches and over in diameter. Creamy white petals.



PATENTED ROSE DOUBLOONS

HYBRID PERPETUAL JUNE ROSES

These are the well known June Roses. Many big, sweetly scented, globular shaped roses in June.

Dormant Roses, 75c; 3, \$2.00; 12, \$7.50

Pot Plants, 95c; 3, \$2.60; 12, \$9.50

★**Frau Karl Druschki** (White American Beauty). Pure white, long, immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class. Blooms all the time.

Gen. Jacqueminot. Bright shining crimson, shapely buds, fragrant. The Jack Rose is noted for its good qualities.

Mrs. John Laing. A soft delicate pink with a satiny sheen; very fragrant, fully double. Blooms continuously.

Ulrich Brunner. A rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open.

SPECIAL OFFER FOUR JUNE ROSES

One each of the above 4 June Roses, dormant, prepaid 600 miles for \$2.50; pot-grown, shipped express collect, for \$3.50.

NEW PATENTED CLIMBING ROSES

Blaze. (Plant Patent No. 10.) A marvelous, scarlet-red rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. Gives a fine display in June and then blooms intermittently all through the season. Dormant, \$1.00; 3, \$2.50; Pot Plants, \$1.20.

Apricot Glow. (Pat. No. 200.) Medium size double light apricot flowers, shading yellow at the base. Produced in large trusses. Dormant, \$1.00; 3, \$2.50; Pot Plants, \$1.20.

Doubleblown. (Plant Patent No. 152.) A hybrid of our native Rosa Setigera and very hardy. Clusters of very large cup-formed, saffron yellow blooms, opening one after the other. Long heavy canes. Undoubtedly the best yellow climber to date. Has the tendency to repeat in midsummer. Dormant, \$1.50; 3, \$3.75; Pot Plants, \$1.70.

Flash. (Patent applied for.) Probably the most vividly colored hardy Climbing Rose in existence. The flowers are a glowing, flashing color of vivid orange-scarlet with the back of the petals yellow, suffused with scarlet. The center of the flower is gleaming yellow and filled with golden anthers. It is a prolific bloomer for several weeks, and although a vigorous grower, attains a height of only about 7 feet. Dormant, \$1.00; 3, \$2.70; Pot Plants, \$1.20; 3, \$3.30.

Hercules. (Patent applied for.) A Rosa Setigera Hybrid that is hardy without protection in the temperate zone. Huge flowers, 5 to 6 inches across, of clear, deep rose-pink that will equal the finest Hybrid Tea Roses. Flowers abundantly. Attractive, rich bronzy green leaves. Dormant, \$2.00; Pot Plants, \$2.20.

The New Dawn (The Hardy Everblooming Dr. Van Fleet). Patent No. 1. The first patented rose and the first everblooming climbing rose. A sport from Dr. Van Fleet, having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer and fall. Dormant, \$1.50; 3, \$3.75; Pot Plants, \$1.65.

Special Offer—Three Patent Roses. One each Blaze, Doubleblown, and The New Dawn. Dormant (value, \$4.00) for \$3.35; Pot Plants (value \$4.60) for \$3.90.

TOM THUMB

"WORLD'S SMALLEST RED ROSE"

Crimson. Patent No. 159. A tiny gem for rockery, border or pool's edge. Everblooming. Dwarf grower. Hardy. Flowers rich crimson, white center, studded with gold stamens. 75c each; 3 for \$1.90; 12 for \$7.25.

ROSA Roulette

New Miniature or Lilliput Rose. Everblooming, hardy, height 6 to 8 inches, double dark pink blooms in profusion.

Plants, 3 for \$1.00; doz., \$3.50.

VISIT VAUGHAN'S ROSE GARDEN

You are invited to inspect our rose garden, at West Forty-seventh street and Willow Springs road, Western Springs, Ill., where over 1000 plants of both new and old varieties are on display.

New Flowering Trees and Hedge Plants

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

Except where noted, 10 of one variety supplied at 10c less than each rate; 5 of one variety supplied at the 10 rate.

The figures in italics following each variety indicate the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped."

BARBERRY (Berberis)

Korean Barberry (Berberis Koreana). 6 ft. A tall, dense, slender stalked variety. Its large, nodding green leaves, paler beneath, turn red orange and purple in the autumn and are especially effective at that time, when the colored veins give marked contrast as they change in September. Has bright red berries that hang on late into winter. 15 to 18 in., 60c; 10, \$4.00; 100, \$30.00; 18 to 24 in., 75c; 10, \$6.50; 100, \$40.00.

Mentor Barberry (Berberis Mentorensis). (Patent No. 99.) 3 ft. Its foliage is heavy and thick and remains green until after the holidays, but is dropped in late winter. An ideal shrub for low hedges or foundation plantings. 15 to 18 in., each, 55c; per 3, \$1.50; per 10, \$3.75; per 100, \$30.00; 18 to 24 in., each, 70c; per 3, \$2.00; per 10, \$5.00; per 100, \$40.00.

Truehedge Columbarry (Berberis T. Pluriflora Erecta). (Patent No. 110.) 4-5 ft. It is decidedly more dense, more upright and more richly foliaged than the common Thunbergi. Of distinct pyramidal habit, it may be used for formal hedge or individual specimens without pruning. 15 to 18 in., each, 35c; per 10, \$2.80; per 25, \$5.75; per 100, \$20.00; 18 to 24 in., each, 45c; per 10, \$3.30; per 25, \$7.00; per 100, \$25.00.

AZALEA

Chinese Azalea (A. Mollis). 3 to 4 ft. One of the most glorious of the Azaleas, with flowers of yellow, orange, lemon, salmon and terra-cotta borne before the leaves appear. It is of dwarf, compact growth with bright green foliage turning to bronze and red in fall. We can supply mixed colors only. The plants we offer have flowering buds and should bloom this spring. 9 to 12 in. B. & B., \$1.25; 10, \$10.00; 12 to 15 in., B. & B., \$1.50; 10, \$12.50; 15 to 18 in., B. & B., \$2.50 each, 18 to 24 in., B. & B. \$3.00 each.

BUTTERFLYBUSH (Buddleia)

A very pretty class of shrubs, bearing during July and continuing until frost, long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance. The stalks die to the ground each winter but come up vigorously again in the spring.

Charming. 4 ft. A glorious variety, bearing elegant long sprays of lavender-pink blooms. Is decidedly pink in color as compared with other varieties. Field grown, 50c; 3 for \$1.25.

Dubonnet. 4 ft. A splendid new color, matching that of the French Dubonnet wine, glowing red in the sun or under artificial light. Field grown, 75c; 3 for \$1.90.

Fortune. (Patent No. 206.) 4 ft. Unequaled as a cut flower. Its panicles average 12 to 18 in. in length and are pure lilac in color, with small orange eye. Field grown, 75c; 3 for \$1.90.

Hartwegi. 4 ft. Large bright lavender blooms of unusual beauty on thrifty compact bushes. Illustrated in color on page 113. Field grown, 50c; 3 for \$1.25.

Ille de France (New). 3 to 4 ft. A French variety, much superior in its brilliant rosy violet-purple color. Field grown, each, 50c; 3 for \$1.25.



EUONYMUS VEGETUS

New Flowering Trees and Hedge Plants



FUCHSIA SCARLET BEAUTY

FUCHSIA Scarlet Beauty

Gloriously beautiful new Plant Sensation

Fuchsia Riccartoni (Propagation Rights Reserved). 3 to 4 ft. Words cannot do justice to this plant but picture to yourself an upright plant having from twenty to forty stems, and which from the middle of June until severe frosts will bear upwards to five thousand flowers one and one-half inches long, of rose-red, with corolla of mulberry purple, and you will visualize that which is destined to become the greatest "Plant Sensation" in many decades. The plants have very pleasing foliage, and are truly a sight to behold. Hardy. Will succeed in shade. Strong plants, 65c; 3 for \$1.50.

CHINESE ELM HEDGING

Ulmus Pumila (Chinese Elm Hedging). It forms a beautiful, dense, impenetrable hedge with small, dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 18 to 24 in. seedlings, not transplanted, 10, \$1.00; 50, \$4.50; 100, \$8.00. 2 to 3 ft. seedlings, not transplanted, 10, \$1.50; 50, \$6.00; 100, \$10.00.

DAPHNE

Rose Daphne (*Daphne Cneorum*). 1 ft. A gem for the rock garden or for edging borders. A dwarf evergreen shrub of trailing habit with leaves of dark glossy green, glaucous beneath. Small, tubular, rose-pink flowers of spicy fragrance are borne in clusters in May and again in late September. Does best in sun in a well-drained, rather sandy soil. In cold climates the plants should be protected during winter. 8 to 9 in., B. & B., each, 90c; 9 to 12 in., B. & B., each, \$1.25.

EUONYMUS (Wintercreeper)

Bigleaf Wintercreeper (*Euonymus Radicans Vegetus*). This hardy evergreen trailer has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover or will climb on brick or stone. 12 to 15 in., 60c; 15 to 18 in., 70c.

HYDRANGEA (Oak Leaf)

Oak-leaf Hydrangea (*Hydrangea Quercifolia*). 3 to 5 ft. The leaves are a dark green in summer, turning to richest red in autumn. They will stand some shade and smoky city conditions and are well adapted to foundation or low-border plantings. Flowers are pinkish white, borne in upright clusters in June. 18 to 24 in., 75c; 10, \$6.00.

Blue Hydrangea. 2 ft. A beautiful hardy Hydrangea of deep and intense blue. Blooms for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. \$1.50.

HEATHERMINT (*Elsholtzia Stauntoni*)

3 to 4 ft. An excellent autumn flowering shrub producing attractive spikes of reddish purple flowers, resembling heather; September and October. The leaves of the plant, when bruised, emit a mint fragrance. Plant in a sunny location. 18 to 24 in., 75c.

HANSEN BUSH CHERRY

Prunus Besseyi. 4 to 5 ft. An easy to grow, new, hardy, quick-bearing cherry. It is valuable for its fruit, which resembles a plum in size and shape, and which comes massed in clusters from the ground up. They are good to eat fresh and make delicious preserves. The plants have striking ornamental value, are of a dwarf, bushy nature, and suitable for foundation plantings or for low fruiting hedges. Large, fragrant white flowers in spring and beautiful silvery green foliage which turns to a rich red and gold color in fall. 18 to 24 in., 50c; per 3, \$1.25; per 10, \$3.50; 2 to 3 ft., 65c; 3 for \$1.75; per 10, \$5.00.

MAGNOLIA

Saucer Magnolia (*M. Soulangeana*). 20 ft. A vigorous grower and one of the hardiest of the genus. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, delightfully fragrant, rosy pink when in bud, pure white when open. A full-sized tree is a gigantic bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., B. & B., \$4.00; 3 to 4 ft., B. & B., \$6.00; 4 to 5 ft., B. & B., \$9.00; 5 to 6 ft., B. & B., \$12.00.

Star Magnolia (*M. Stellata*). 12 ft. The first Magnolia to blossom. No plant flowers more freely, and in early spring its semi-double, snow-white flowers of starry form appear in countless numbers and attract attention on all sides. 2 1/2 ft., B. & B., each, \$5.00; 3 ft., B. & B., each, \$7.50.

OREGON HOLLYGRAPE

Mahonia Aquifolia. 2 to 4 ft. An almost evergreen shrub with dark lustrous green, spiny toothed leaves that look like holly. Flowers yellow, in dense clusters appearing in spring. Berries blue or nearly black. Splendid for planting in semi-shade. 12 to 15 in., B. & B., 90c; 10, \$7.50; 15 to 18 in., B. & B., \$1.25; 10, \$10.00; 18 to 24 in., B. & B., \$1.50; 10, \$12.50.



HYBRID RHODOD NDRON SEEDLING

Hybrid Rhododendron Seedlings. These mixed seedlings, varying in color from white to deep crimson, are easily the finest of the broad-leaved evergreens, ideal for all landscape and garden purposes. Their bold evergreen foliage, crowned with clusters of handsome flowers in May and early June, make them a valuable addition to evergreen groups which are now becoming so popular for home plantings. Mixed colors only. 12 to 15 in., B. & B., with flowering buds, \$1.85; 2 for \$3.40; 15 to 18 in., B. & B., with flowering buds, \$2.75; 2 for \$5.00; 18 to 24 in., B. & B., with flowering buds, \$3.50; 2 for \$6.75.

DWARF BLUE-LEAF ARCTIC WILLOW

Salix Purpurea. A charming low growing Willow, with foliage of a lovely blue green. Excellent for low edging or can be clipped for formal effects. Grows anywhere in wet or heavy soils and can withstand extreme low temperatures. Plant 12 inches apart. 18 to 24 in., 40c; 10, \$3.35; 100, \$25.00.

Outstanding Lilac Novelties

Jan Van Tol. Single, pure white, very large trusses and extremely large individual flowers; it is a very good grower and flowers very freely. 2 to 3 ft., \$2.00; 3 to 4 ft., \$2.50.

Marechal Lannes. Extra large trusses of double or semi-double flowers of beautiful bluish violet. Individual florets are of amazing size, the largest of any variety in our collection. A very showy lilac and one of our favorites. Fragrant. 2 to 3 ft., \$2.00; 3 to 4 ft., \$2.50.

President Poincare. Enormous, compact trusses of very large, full double flowers. Huge, dark red buds that open into lavender-blue flowers, presenting an unusually beautiful combination of colors. Very fragrant. 2 to 3 ft., \$2.00; 3 to 4 ft., \$2.50.

SPECIAL OFFER. One each of the above 3 Lilacs, Jan Van Tol and President Poincare, 3 to 4 ft., and Marechal Lannes, 2 to 3 ft., for \$5.50.

TAMARIX SUMMER GLOW

Hispida Aestivalis Rubra. 8 to 10 ft. Magnificent new variety with wine-red flower spikes that appear all during the summer. Feathery grey-green foliage. 2 yr., No. 1, 75c.

OCEAN SPRAY

Holodiscus Discolor. 3 to 5 ft. This shrub is appropriately named, as the graceful large clusters of drooping, creamy white flowers in July remind one of breaking, small white caps of waves. It is hardy, except in extreme north, does best in a sunny place and is a useful landscape shrub for border planting. 2 to 3 ft., 90c; 3 for \$2.40.

VAUGHAN'S NURSERY CATALOGUE

Listing and illustrating the most popular and meritorious ornamental shrubs, shade trees, small fruits, fruit trees, and vines, will be sent free on request.

VIBURNUM

Gardenia Scented Snowball

Viburnum Burkwoodi. 5 ft. Here is a new garden aristocrat that will become a real favorite as soon as it is better known. It is fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Foliage is rich, glossy green, brilliantly tinted in autumn. Resembles the popular Viburnum Carlesi, but blooms 2 weeks earlier and is a much better shrub. 15 to 18 in., \$1.75; 15 to 18 in., B. & B., \$2.50; 18 to 24 in., B. & B., \$3.00.



V BURNUM BURKWOODI

Vaughan's Iris



PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals. Iris is the most effective if planted 3 of a kind in a clump.

*Indicates outstanding garden varieties.

OUTSTANDING VARIETIES

- ***Ambassadeur** 40 in. S. smoky bronze; F. dark velvety maroon. A strong grower with large flowers. Late. 20c; 3 for 30c.
- ***Alta California** 48 in. Superb flowers of deep golden yellow, faintly bronzed, on strong branched stems. Blooms of firm texture, unmarred by sun or rain. 35c; 3 for 90c.
- ***Black Wings** 38 in. Velvety black buds opening to large flowers of intense midnight blue overlaid with a frosty black luster, deliciously fragrant. 35c; 3 for 90c.
- Buechley Giant** 40 in. This new variety has the largest flowers of any Iris we grow. It is a clear lavender blue bicolor that has the perfect form of Frieda Mohr. 35c.
- Clara Noyes** A brilliant blending of red, orange and yellow that is not unlike the coloring of the Talisman Rose. 25c; 3 for 30c.
- Corrida** 30 in. Small flowers of exquisite pure blue. Ideal for cutting and for table decoration. 20c; 3 for 30c.
- Crystal Beauty** 40 in. Large, perfectly shaped flowers of pure, snow white on well branched stalks. 75c; 3 for \$1.50.
- Dauntless** 40 in. A brilliant rose red self with flaring falls that appear darker because of their velvety quality. Dykes Medal 1929. 30c; 3 for 75c.
- ***Depute Nomblot** 50 in. S. coppery-red, flushed golden bronze; F. rich claret crimson. Enormous flowers. 30c; 3 for 75c.
- ***Ethelwyn Dubuar** 38 in. Very fine large flowers of deep pink with delightful ruffling. 50c; 3 for \$1.00.
- ***Gold Imperial** 33 in. Brilliant chrome yellow throughout, except for conspicuous orange beard. 20c; 3 for 30c.
- Gudrun** 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat. Very fine. 75c.
- ***Happy Days** 40 in. An immense clear yellow most easily described as a yellow El Capitan. Perfectly branched, with each stalk carrying 7 or 8 massive blooms. \$1.25.
- Jean Cayeux** 38 in. A beautiful blending of coffee or Havana brown with a golden glint that is enchanting. No variety quite like this one. 75c; 3 for \$2.00.
- King Juba** 36 in. A brilliant, large flowered variety of striking appearance. S. pure clear yellow; F. deep velvety red. 25c; 3 for 60c.
- King Tut** 34 in. S. brown suffused with red; F. velvety glowing brownish-red. Large flowers of beautiful coloring. 25c; 3 for 50c.

De Luxe Iris Collection. One each Alta California, Black Wings, Buechley Giant, Crystal Beauty, Ethelwyn Dubuar, Jean Cayeux, Mary Geddes, Red Dominion (Value \$3.90) for \$2.95.

Labor 36 in. An extraordinary Iris of new color. S. dark violet heliotrope suffused with a coppery glow; F. deeper shade. 20c; 3 for 30c.

***Mary Geddes** 38 in. S. salmon flushed yellow; F. same shade overlaid Pompeian red. Garden effect orange salmon. 50c.

President Pilkington 46 in. Very large Iris of glorious blend of lavender blue and buff. 35c; 3 for 75c.

Red Dominion 40 in. S. clear lustrous, deep red, slightly frilled. F. broad, horizontal, velvety red. 35c; 3 for 90c.

***Sensation** 48 in. Enormous corn-flower blue flowers of perfect form and heavy substance. A perfect flower. 25c; 3 for 60c.

***Sir Michael** 48 in. Considered by many the finest blue bicolor. S. lavender-blue; F. rich velvety purple. 30c.

***Venus de Milo** 40 in. Pure white with a rich creamy tone; large flowers of exceptional substance and perfect form. 35c; 3 for 90c.

Fall Blooming Irises

These varieties bloom in the Spring with the Early flowering varieties and have a habit of blooming again in the Autumn.

***Autumn King** 30 in. A blue-purple bicolor of fine size. 20c; 3 for 30c.

Autumn Queen 18 in. Pure white flowers of good size and quality. 25c.

***Eleanor Roosevelt** 28 in. An outstanding variety of very fine deep velvety purple. 25c; 3 for 60c.

Jean Siret 15 in. A dwarf yellow of exceptional merit. Gives a long season of bloom in both the spring and fall and often blooms in the summer. Is classed as an everblooming Iris. 25c.

Lieutenant de Chavegnac 15 in. Deep red same everblooming habits as Jean Siret. 30c.

***Ultra** 14 in. A beautiful ultramarine blue bicolor. Very popular variety. 20c; 3 for 30c.

Twelve Iris Aristocrats \$2.00

Catalogue Value \$3.30. Prepaid 300 Miles For

These are among the fifty finest irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

***Dolly Madison** 38 in. A most outstanding blend of colors. S. mauvette shading to yellow at base; F. flaring, lilac tinged old gold. 25c; 3 for 50c.

***El Capitan** 40 in. Huge flowers of light violet-blue. Exhibition blooms have measured 7 inches across and 9 inches high. 35c; 3 for 75c.

***Frieda Mohr** 42 in. A gigantic lilac-pink bicolor 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The flower is of perfect form, good texture and brilliant coloring. Exquisite locust-like perfume. 25c; 3 for 50c.

***Indian Chief** 40 in. Every garden should have this fine red. S. pinkish red, F. glowing velvety red. Large well-shaped flowers of heavy substance. A prolific bloomer and strong grower. 25c; 3 for 50c.

***Wm. Mohr** 26 in. One of the most remarkable irises ever raised. The ground color is pale lilac, the standards flushed darker, and the whole flower is beautifully veined manganese-violet. 25c; 3 for 60c.

***Los Angeles** 40 in. Giant, snowy-white flowers of satin texture; the standards faintly edged lavender blue. Perfectly hardy, it is considered one of the finest of all white irises. We think it is just about perfect. 35c; 3 for 75c.

***Mareschal Ney** 36 in. A very rich bicolor red with a chestnut brown tone, the central area distinctly orange lighted at a distance. Large flowers. 25c; 3 for 50c.

***Pluie d'Or (Golden Rain)** 40 in. Dykes Medal 1928. Tall golden yellow self. A large flower of perfect form and a profuse bloomer. Late. An outstanding variety. 25c; 3 for 50c.

***Pink Satin** 42 in. Large, finely shaped flowers of a very delicate and smooth, yet glistening pink. 35c.

***Princess Beatrice** 40 in. A selected form of Pallida Dalmatica, one of the finest of all irises. Silvery lavender flowers of satiny texture and good substance, flaring falls. 25c; 3 for 50c.

***Rameses** 36 in. Dykes Medal 1932. A large blend of russet rose, pink and buff with a yellow glow at the center. 25c; 3 for 50c.

***Souv. de Mad. Gaudichau** 40 in. This is without a doubt the most beautiful of all the deep purple irises. Large flowers of rich velvety purple. 25c; 3 for 50c.

Standard Varieties

We have a large collection of these in named varieties in all colors. List of varieties mailed on request. Price, 20c; 3 of one kind for 30c; 12 of one kind for \$1.00.

DWARF IRISES

Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the tall bearded Iris. Suitable for rock gardens or borders.

Price, except where noted, 25c each; 3 of one kind for 40c.

Dixmude S. aniline blue; F. rich crimson-purple. 20c; 3 for 30c.

Orange Queen Clear yellow, orange beard.

Spring Skies Lovely light blue, the shade of the Belladonna Larkspur.

Schneekuppe Fragrant white.

Special Offer No. 100-B 12 Dwarf Irises, 3 each of the above 4 varieties for \$1.00.

SIBERIAN IRISES

Price, except where noted, 25c; 3 of one kind, 40c; 12 of one kind, \$1.25.

Butterfly 36 in. Lovely porcelain blue flowers; vigorous grower.

***Emperor** 48 in. Large flowers of a deep, rich violet-blue. Very fine.

Orientalis 24 in. Rich purple. Fine for naturalized plantings. 3 for 30c.

***Perry's Blue** 48 in. Large, flowers of a beautiful shade of sky-blue.

Snow Queen 30 in. Large, ivory white with rich yellow blotch at the throat.

Surprise Iris Collection. Twelve beautiful varieties in a rainbow of colors, our selection (value \$2.40) labeled for only \$1.00.

JAPANESE IRISES (Kaempferi)

The last of the Iris species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny moist location, but not where water will stand. Price, except where noted, each 35c.

***Gold Bound** Double. White with gold-blended center. Earliest.

Iso-No-Nami (Shallow Waves) Suffused rose and blue over white; gold center. One of the largest flowered; late; double. Each, 50c.

***Mahogany** Large double flowers of velvety-mahogany red. Late.

***Momigi-No-Taki** Bright rosy crimson feathered in white. Double. 50c.

Norma Exquisite silky lavender-pink with clear blue halo surrounding a yellow blotch at center. Fine large double. The best pink. 75c.

***Purple and Gold** An enormous double of violet-purple, gold center.

Seacrest Six large wavy white petals with deep blue haft.

Uchiu Cerulean blue, veined white; gold center. Blooms a long time. Double.

SPECIAL OFFER NO. 100-A One each of above 8 Japanese Irises (Value \$2.95) for \$2.25

Vaughan's High Grade Fertilizers

THERE are three chemical elements of plant food commonly used in fertilizers. They are nitrogen, phosphates and potash. A balanced fertilizer is one which contains all three, and gives a complete diet to the crop. And the composition of a balanced fertilizer is commonly expressed in a formula of three numbers with hyphens between, thus, 5-8-7. The first indicates the pro-

portion of nitrogen; the second, the proportion of phosphates; the third, the proportion of potash.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50, 100, 125, and 250 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of \$2.00 or more. On larger quantities than 250 pounds, owing to close quantity prices, the customer pays all freight or express charges.

Vaughan's Lawn and Garden Fertilizer (4-8-6)

Four percent nitrogen; eight percent phosphoric acid; six percent potash.—This mixture differs from our balanced plant ration, in that it is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.25; 500 lbs., \$13.75; 1,000 lbs., \$26.00; 2,000 lbs., \$49.00.

Vaughan's Balanced Plant Ration (5-8-7)

Five percent nitrogen; eight percent phosphoric acid; seven percent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash), which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as balanced fertilizer for all around use in the home garden.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water.

Price, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.60; 50 lbs., \$2.65; 100 lbs., \$4.25; 500 lbs., \$20.00; 1,000 lbs., \$38.00; 2,000 lbs., \$74.00.

Adco Artificial Stable Manure.

Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. 7½ lb. bag, \$1.00; 25 lbs., \$2.50; 150 lbs., \$11.50. Write for booklet.

For creating acid condition in the soil. Aluminum Sulphate. 1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$4.75.

Induces vigorous growth of established turf, produces a dark green foliage and aids in quickly establishing new turf seedlings, is free of weed seeds and provides plant food over a long period. 100 lbs., \$2.20; 500 lbs., \$8.50; 1,000 lbs., \$16.00; 2,000 lbs., \$31.00.

Fertilizer with a peat-moss base impregnated with a high grade manure. Price, per 50 lb. bag, \$2.35; 5 bags for \$11.00; 10 bags for \$21.00.

A high organic all around plant food for feeding, forcing and finishing. The best substitute for Clay's fertilizer, formerly imported from England. Price, 25 lbs., \$4.25; 50 lbs., \$6.50; 100 lbs., \$11.00.

An inexpensive spreader, holds about 15 lbs. of fertilizer. Can also be used for sowing grass seed. Each, \$3.10. For Larger Spreaders See Page 104.

A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, lb. can, 30c; 5 lbs., \$1.00; 25 lbs., \$3.00; 50 lbs., \$5.25, in original bags.

Odorless plant food in tablet form, supplies a completely balanced plant food including vitamin B-1. Per box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; postpaid.

Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards.

Price, 25 lbs., \$1.10; 50 lbs., \$1.65; 100 lbs., \$2.50; 500 lbs., \$9.50; 1,000 lbs., \$17.50; 2,000 lbs., \$33.50.

Quick acting and lasting. Price, 5 lbs., 95c; 25 lbs., \$2.65; 50 lbs., \$4.25; 100 lbs., \$7.75.

A neutralizer for soil acidity. Price, 10 lbs., 35c; 50 lbs., \$1.25.

Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Price, 100 lbs., \$1.35; 500 lbs., \$5.00; 1,000 lbs., \$7.50; 2,000 lbs., \$13.50.

Nature's source of phosphorus. The most phosphate at lowest unit cost. Price, 100 lbs., \$2.45; 500 lbs., \$9.00; 1,000 lbs., \$16.00; 2,000 lbs., \$29.00.

Beautiful lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphates and potash; contains no filler. Price, 1 lb., 10c; 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Activated sludge fertilizer, free of weed seeds. Feeds over a long period. Price, 25 lbs., \$1.00; 50 lbs., \$1.65; 100 lbs., \$2.75; 500 lbs., \$12.50; 1,000 lbs., \$23.00; 2,000 lbs., \$42.00.

A worm remover in powder form, easy to apply, acts as a fertilizer and its effects are lasting. 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.50; 100 lbs., \$4.50.

Imported Potash, once again available, should be used liberally, especially for all root crops. Price, 25 lbs., \$1.50; 50 lbs., \$2.45; 100 lbs., \$3.85; 500 lbs., \$17.50.

Nitrate of soda is not a substitute for other manures, but one of the cheapest and best forms in which to apply nitrogen to plants. Do not let nitrate touch green growth or it will burn.

For the home garden apply as a solution, one ounce to two gallons of water. Price (subject to market changes), 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.75; 500 lbs., \$16.00; 1,000 lbs., \$29.00; 2,000 lbs., \$56.00. Write for prices on larger quantities.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 3½ percent; total phosphoric acid, 22 percent. Price, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.60; 50 lbs., \$2.60; 100 lbs., \$4.25; 500 lbs., \$19.00; 1,000 lbs., \$37.00; 2,000 lbs., \$72.00.

STEAMED BONE MEAL. Price, 25 lbs., \$1.45; 50 lbs., \$2.45; 100 lbs., \$3.95; 500 lbs., \$17.00; 1,000 lbs., \$33.00; 2,000 lbs., \$65.00.

VAUGHAN'S SHEEP MANURE

This is a pure, natural manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest liquid manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. Price, 5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.25; 50 lbs., \$1.65; 100 lbs., \$2.35; 500 lbs., \$10.25; 1,000 lbs., \$17.25; 2,000 lbs., \$33.50.

Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. Price, 25 lbs., \$1.25; 50 lbs., \$1.85; 100 lbs., \$2.75; 500 lbs., \$11.25; 1,000 lbs., \$19.00; 2,000 lbs., \$36.00.

Nitragin. The Original Legume Inoculator.

Alfalfa, all Clovers, and Lespedeza; ½ bu. size, 30c; 1 bu. size, 50c; 2½ bu. size, \$1.00.

For Peas, Vetch, Beans, and Austrian Winter Peas: ½ bu., 25c; 1 bu., 40c; 1½ bu., 60c; 5 bu., \$1.70.

Special Prices. Soy Beans and Cow Peas: 1 bu. size, 30c; 2 bu. size, 50c; 5 bu. size, \$1.00; 10 bu. size, \$1.40; 25 bu. size, \$2.90.

Garden Size, for Peas, Beans, Sweet Peas and Lupines, only 10c. Always state kind of seed—legumes only.

A highly concentrated inorganic fertilizer, clean and odorless. 15 percent nitrogen, 30 percent phosphoric acid and 15 percent potash. 1 lb., 30c; 5 lbs., \$1.00; 25 lbs., \$3.00; 50 lbs., \$5.50.

Write for prices on larger quantities in original bags. Very useful for orchids and azaleas. Price, \$3.75 persack of about two bushels.

Emblem-Protected PEAT MOSS
IMPORTED HORTICULTURAL GRANULATED
A moisture-retaining humus. An important aid in saving soil fertility, better than manure; prevents the formation of hard top crust and fungus growth. Home garden size bale, about 6 bushels, \$2.60; large bale of about 20 bushels, \$4.75.

Twenty percent available. Price, 25 lbs., \$1.10; 50 lbs., \$1.70; 100 lbs., \$2.50; 500 lbs., \$9.50; 1,000 lbs., \$17.00; 2,000 lbs., \$32.00.

Used for its nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet.

Price, 25 lbs., \$1.45; 50 lbs., \$2.25; 100 lbs., \$3.45; 500 lbs., \$14.95.

10% nitrogen, 8% available phosphoric acid, 6% potash. Excellent for all types of shade trees and evergreens. For shade trees apply in holes drilled 16 inches deep and 2 feet apart under drip of outside branches at rate of ¼ pound for each foot in height of tree up to 50 lbs. per tree. For evergreens use ½ pound per foot in height of tree, and work into surface soil.

Promotes heavier foliage, new growth; leaves come out earlier in spring, hang on later in fall and have better color. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.85; 500 lbs., \$17.50.

VAUGHAN'S CONCENTRATED PLANT FOOD. A most useful fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers. It is entirely free from objectionable odor and may be used in powder form or dissolved in water to make liquid fertilizer. It contains all the chemical elements known to be of value as plant food.

Package containing food for 20 plants for 3 months; large package containing sufficient plant food for one year. Directions in packages. Small packages, each, 20c, if by mail, 25c; large packages, each, 30c, if by mail, 35c.

Complete Plant Food. Supplies in balanced form the eleven vital plant food elements for hardy, beautiful plants. Clean, odorless, sanitary, and easy to use. Vigoro has brought gardening success to millions of home owners everywhere. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

For potted plants. Per pkg., 30c, postpaid; large pkg., 100 tablets, 75c, by mail, 85c.

The only liquid vitamin B-1 plant growth stimulant with added chemicals to keep its strength indefinitely. 2-oz. dropper top bottle, enough to make 250 gallons of solution. Price, \$1.00.

Write for Prices on Clay's Fertilizer and Scotch Soot.

These Prices Are Subject to Change Without Notice.

Complete Plant Food. Supplies in balanced form the eleven vital plant food elements for hardy, beautiful plants. Clean, odorless, sanitary, and easy to use. Vigoro has brought gardening success to millions of home owners everywhere. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

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These Prices Are Subject to Change Without Notice.



Newest Improved Sprays and Dusts

Add Postage According to Weight and Zone (Page 112).

Shipping weights, pint, 2 lbs.; qt., 3 lbs.; gal., 10 lbs.

- ACME ALL-ROUND SPRAY.** The latest improvement in the insecticide field, one product which will combat blight and fungus diseases, control sucking insects and destroy chewing insects in one application; safe to use on almost all fruits, vegetables, flowers and shrubs. Per ¼ lb., 35c; 1 lb., 85c.
- ACME COPPER QUEEN.** A strong liquid copper spray for control of mildew, leaf spot, and black spot on roses, flowers, and plants. Price, 8-oz. can, 35c; pt., 60c; qt., 95c; gal., \$2.25
- ACME COPPER SHIELD PRUNING PAINT.** Prepared liquid paint containing copper, for treating wounds to prevent hard rot fungus and other fungi. Pt., 40c; qt., 65c; gal., \$2.00.
- ACME DAWG-GONE.** Keep dogs away from Evergreen. Remove cap and hang tube of Dawg-Gone (opening down) in the lower branches of trees at the points of approach. The odor slowly emanating from the open tube will keep dogs at a distance from six months to a year, winter or summer. Tubes, 25c each or 6 for \$1.25.
- ACME GARDEN GUARD.** A strong, safe rotenone dust in 1-lb. shaker top cans. Each, 35c; postpaid, 45c.
- ACME STOP.** A tree-banding compound which prevents insects from crawling up trees. 6-oz. can, 35c; 1 lb., 65c; 5 lbs., \$3.00.
- ANSUL FORMALDEHYDE DUST.** Control "damping off" of flower and vegetable seedlings. Price, 1 lb., 75c; 5 lbs., \$2.00; 25 lbs., \$5.50; 50 lbs., \$9.00.
- ANTROL.** Sets containing 4 jars and 4-oz. bottle of syrup, price, 75c; extra jars each, 10c. 4-oz. bottle syrup, 35c. Pint bottle of syrup, 85c; gal., \$3.50.
- ANTROL ANT POWDER.** Kills ants, roaches, silverfish and other pests. Packed in handy shaker twist-top can. 4½-oz. can, 35c.
- ANTROL ANT TRAPS.** Kill both sweet and grease eating ants. Each, 10c; 6 for 50c.
- ANTROL READY FILLED SETS.** Consisting of four patented glass "feeders" filled with regular antrol syrup, price per set, 40c.
- ANT EXTERMINATOR.** Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York.) Per box, 40c; smaller size, 25c; by mail, 5c extra.
- APHIS SPRAY.** Improved Nicotine Spray. Combining a soft fish-oil soap with black leaf 40. Price per 3-oz. tube, 35c; 12-oz. tube, 95c.
- APHINE.** ½ pt., 40c; pt., 75c; 1 qt., \$1.10; 1 gal., \$3.00.
- ARSENATE OF LEAD (Dry).** For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb. carton, 35c; 4 lbs., 95c; case of 24 lbs., \$4.50; 100 lbs., \$15.00.
- BLACK ARROW DUST.** A non-poisonous pyrethrum dust, effective against many insects. Price, 1 lb., 80c; 10 lbs., \$5.50; 100 lbs., \$37.50.
- BLACK LEAF 40** is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1-oz. bottle, 35c; 5-oz. can, \$1.00, makes 40 to 100 gallons; 1-lb. bottle, \$2.25, makes 40 to 200 gallons; 2-lb. can, \$3.25, makes 200 to 500 gallons; 5-lb. can, \$5.85, makes 400 to 1000 gallons; 10-lb. can, \$10.60, makes 840 to 2100 gallons.
- BORDEAUX MIXTURE (Dry).** The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 35c; 4 lbs., 95c; case of 24 lbs., \$4.50.
- BUG GUN.** A practical self-dusting package, consisting of Rotenone, all ready to use. Complete with dust, each, 35c, postpaid, 50c.
- CALCIUM ARSENATE (Dry).** Lb., 35c; 4 lbs., 85c.
- CARBON DISULPHIDE.** For ants and cut worms. (By express only.) 1 lb., 50c; ¼ lb., 25c.
- CORROSIVE SUBLIMATE. U.S.P. powder.** Write for price.
- CUPROCID.** Use for dusting seeds to insure germination, and prevent damping off. May be used as a spray for mildew, etc. 4 oz., 35c; 1 lb., \$1.00; 5 lbs., \$4.25.
- CYANOGAS A. DUST.** Kills ants, moles, mice, rats, groundhogs and prairie dogs. (By express only.) 4-oz. tin, 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00.
- CYANOGAS CALCIUM CYANIDE "G."** Greenhouse fumigant. For aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00. (By express only.) Write for leaflet.
- DENDROL.** A dormant spray oil. Gal., \$1.25; 5-gal. drum, \$5.00; 15-gal. drum, \$9.00.
- DERRISOL.** Is an odorless, non-poisonous liquid which will control sucking insects like aphids, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. Oz., 35c; 8 oz., \$1.20; 2 lbs., \$3.00; 10 lbs., \$12.00.
- DOG-SHO.** Keeps dogs and cats away from evergreens, shrubs, posts, walls or any place where they are not wanted. Leaves an odor scarcely noticeable by humans but very offensive to animals. Qt., 75c; gal., \$1.75.
- DOGZOFF.** Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Per bottle, 60c; by mail, 70c.
- DRY LIME SULPHUR.** For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$12.50.
- FISH-OIL SOAP.** Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25.
- FLOWERS OF SULPHUR.** For dusting. Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.50.
- FUNGINE.** New remedy for mildew, rust and other fungus diseases; for greenhouse and outdoor use. Pt., 65c; qt., \$1.10; gal., \$3.00.
- FUNGTROGEN.** A preventive and remedy for mildew, black spot, and many fungus diseases of roses and other plants. ½ pt., 75c; qt., \$1.25; gal., \$2.00; gal., \$6.00.
- GRAPE AND ROSE DUST.** Excellent for the prevention and destruction of mildew on plants. Lb., 40c; 5 lbs., \$1.50; 25 lbs., \$6.50.
- HELLEBORE POWDERED, White.** Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.25; 10 lbs., \$4.00.
- LEMON OIL.** Destroys mealy bug, scale, red spider. ½ pt., 30c; pt., 50c; qt., 75c; ½ gal., \$1.50; gal., \$2.50; 5 gals., \$10.00.
- LETHANE 440.** A very effective insecticide for controlling red spider and mealy bug. 2 oz., 35c; 6 oz., \$1.00; qt., \$2.75; gal., \$8.00.
- LETHANE SPREADER.** Gal., \$2.00.
- LIME SULPHUR.** (Solution.) The best remedy for San Jose scale. One gallon makes twelve. Per qt. can, 50c; 1 gal., \$1.25; 5-gal. can, \$4.25. Write for prices in barrel lots.
- MAGNETIC SPRAY Wettable Sulphur.** Can be used as a combination spray with other insecticides. Price 4-lb. bag, 50c; 24 lbs. for \$2.50.
- NAPHTHOLINE FLAKES.** 5 lbs., \$1.60; 25 lbs., \$4.00.
- NAPTOCID.** New plant and bulb fumigant; effective against thrips, wood-lice, sow bugs, wire worms, etc. 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.25; 50 lbs., \$8.00; 100 lbs., \$14.00.
- NEW EVERGREEN SPRAY.** Non-poisonous insecticide. No spreader required; retains its strength. Oz. bottle, 35c; 6-oz. bottle, \$1.00; 16-oz. bottle, \$2.00; gal., \$11.00.
- NICO-FUME POWDER FUMIGATOR.** Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 5-lb. tin, \$4.00; 10-lb. tin, \$7.
- NICO-FUME POWDER PRESSURE FUMIGATOR.** Is now packed under pressure in the can in which it is burned. ½-lb. can, 60c; doz., \$6.00; 1-lb. can, \$1.00; doz., \$9.00.
- NICO-FUME LIQUID.** For fumigating or spraying; contains 40 per cent nicotine. 1 lb., \$2.50; 4 lbs., \$6.50; 8 lbs., \$12.00.
- "NICO-FUME." A Tobacco Paper for Fumigating.** Strips of paper strongly saturated with Nicotine. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, \$1.50; 144 sheets, \$5.50; 288 sheets, \$10.00.
- NICOTINE PYROX.** For chewing and sucking insects. 10-oz. jar, 50c; 5 lbs., \$2.00.
- NIKOTEBEN.** 30% grade. For spraying and fumigating. Oz. bottle, 35c; ½ pt., \$1.00; pt., \$1.75; 3 pts., \$5.00; original case 10 pts., \$16.00. 40% grade, 4 lbs., \$7.00; 8 lbs., \$12.00.
- NOMOLE.** The modern, easy, inexpensive way to destroy moles. They cannot resist the pleasing taste; they devour it and are quickly and surely destroyed. Price, 14-oz. box, \$1.10; 28-oz. box, \$2.00; 9-lb. can, \$7.65.
- PARIS GREEN.** A poisonous insecticide in powder form; for insects which chew. ¼ lb., 20c; ½ lb., 35c; per lb., 55c; 5 lbs., \$2.50; 14 lbs., \$6.00.
- PENETROL.** An activator for nicotine spraying solutions. Qt., 85c; gal., \$2.00; 5 gals., \$7.50.
- PINE TAR.** For tree surgery. Stops bleeding of the sap. Pint, 40c; qt., 75c; gal., \$1.75.
- POMO GREEN.** Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Lb., 50c; 5 lbs., \$1.75; 25 lbs., \$8.00.
- POMO GREEN.** With nicotine. Lb., 75c; 5 lbs., \$3.00
- PYRETHRUM POWDER.** Lb., 85c; 5 lbs., \$3.75; 10 lbs., \$6.75.
- PYROTE.** A combination spray consisting of Rotenone and Pyrethrum. Oz., 35c; 6 oz., \$1.00; pt., \$2.00; gal., \$12.00.
- PYROX.** Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, 10 lbs., \$3.00; 25 lbs., \$5.00; 50 lbs., \$7.25; 100 lbs., \$12.50.
- RED ARROW Garden Spray Pyrethrum Rotenone.** Non-poisonous, kills by contact, will not burn or stain tenderest foliage, ounce will make 4 to 8 gals. spraying solution. Oz., 35c; 4 oz., \$1.10; pt., \$2.85; qt., \$5.40; gal., \$15.00.
- ROTECID.** Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphids, etc. Oz., 35c; ½ pt., \$1.00; pt., \$1.75; qt., \$3.00; gal., \$8.00.
- ROTENONE INSECT DUST.** The standard rotenone dust for killing insects in greenhouses, stables, dog kennels and in the field. Lb., 35c; 4 lbs., 95c; 25 lbs., \$3.95.
- ROTOGREEN.** Very effective for thrip, red spider and mealy bug in addition to the more easily controlled pests. Does not burn and leaves no poisonous residue. Pt., \$2.00; qt., \$3.50; gal., \$12.00; 5 gals., \$48.00.
- SCALECID.** A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. Qt., 75c; gal., \$1.60; 5 gals., \$6.00; 10 gals., \$10.00. Write for price in barrel lots.
- SELOCIDE.** Kills red spiders. Price, gal., \$4.00; 5 gals., \$16.75.
- SEMESAN.** The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Prices, 2 oz., 35c; 1 lb., \$2.25; 5 lbs., \$9.90; 25 lbs., \$45.50; 100 lbs., \$180.00. Write for leaflets, stating for what purpose desired. Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.
- SLUG SHOT, Hammond's.** Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb., 25c; 5-lb. tin, \$1.00; 25-lb. bag, \$3.00; per keg, 125 lbs., \$12.50; barrel, 250 lbs., in bulk, \$25.00.
- SNAROL.** An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Price, 1½ lbs., 35c; 4 lbs., 85c; 15 lbs., \$3.00; 50 lbs., \$8.00.
- SULFOCID.** A concentrated sulphur fungicide for fruits, vegetables and flowers. Qt., 85c; gal., \$2.25.
- SULPHATE OF IRON.** A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.45; 50 lbs., \$2.25; 100 lbs., \$3.75.
- SULPHUR Special grade for dusting.** 2-lb. can, 25c.
- SULROTE.** A non-poisonous Rotenone-Sulphur dusting mixture for flowers and vegetables; a combined insecticide and fungicide controls bean beetles, worms, black spot, and mildew. Price, 1 lb., 40c; 5 lbs., \$1.25; 25 lbs., \$5.00; 100 lbs., \$17.00.
- TARTAR EMETIC.** The new recommended spray for control of gladiolus thrip. Price, ¼ lb., 30c; ½ lb., 50c; lb., 90c.
- THRIP JUICE NO. 2.** Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Pt., 65c; qt., \$1.25; gal., \$4.80.
- TOBACCO DUST (Regular Grade).** 5 lbs., 35c; 10 lbs., 65c; 100 lbs., \$4.00.
- TOBACCO STEMS.** 100 lbs., \$2.50; 500 lbs., \$9.50; 1,000 lbs., \$18.00.
- TREE TANGLEFOOT.** Perfect safeguard for trees. 6 oz., 35c; lb., 70c; 5 lbs., \$3.25; 10 lbs., \$6.25; 25 lbs., \$12.75.

TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. A, small kit, makes 16 qts., \$1.50; B, medium kit, makes 64 qts., \$4.00; C, large kit, makes 32 gals., \$6.00; D, estate kit, makes 128 gals., \$20.00.

VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. ½ pt., 40c; pt., 75c; qt., \$1.10; gal., \$3.00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale, insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. ½ pt., 35c; qt., 55c; gal., 80c; gal., \$2.50; 5 gals., \$7.50.

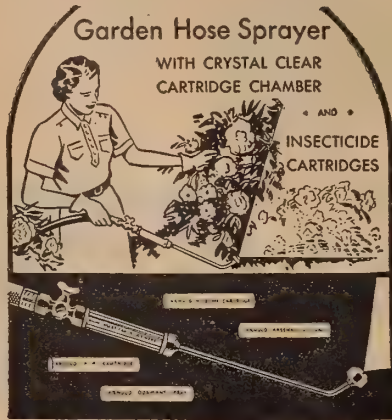
WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew, scale, etc. Price, ½ pt., 40c; qt., \$1.00; gal., \$3.00; 5 gals., \$12.00.

Sprayers and Dusters for Insecticides

HANDY KNAPSACK SPRAYER



Diaphragm type pump maintains high pressure until last drop of liquid is discharged. Very easy to operate. Tank holds 4 gallons. Equipped with 3 ft. hose, 2 ft. brass extension rod, automatic shut-off and adjustable nozzle. For all field crops, shrubs, etc. No. 147 G Du-More, (galv. tank) . . \$15.00
No. 147 B Du-More, (brass tank) . . \$21.25

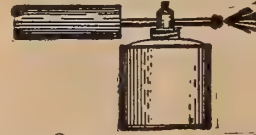


A special mixing and spraying nozzle which attaches to your garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn. Brass finish, each, \$2.50. Combination set, sprayer and six cartridges, your selection, chrome finish, each, \$4.50. 36 inch extension, straight or angle, chrome finish, \$1.50.

We can supply a complete line of cartridges, Rotenone, Nicotine, Pyrethrum, Sulphur, Bordo or Arsenate of Lead. Price, each, 30c; three for 85c; doz., \$3.25.

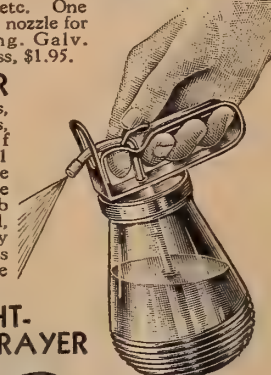
PNEUMATIC SPRAYER

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size has extra nozzle for underleaf spraying. Galv. tank, \$1.35; all brass, \$1.95.



MIST MAKER

For spraying plants, clothes, moth liquids, etc. Jar made of sturdy glass cap, 11 oz. Metal parts are of brass except handle and plunger tab which are of steel, all being heavily nickel plated. Stands 7 inches high. Price each, 75c.



SMITH'S LIGHT-NING SPRAYER



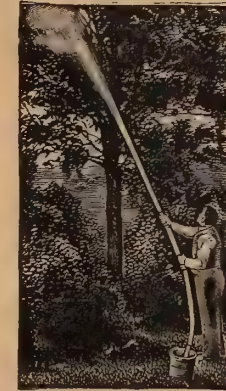
A durable, low priced sprayer, has a funnel top, made of heavy steel or solid brass tank as illustrated. 3 1/2 gallon capacity. Price, galvanized, \$3.95; brass, \$7.45.

BROWN'S NEW OPEN-HEAD

Tank heavy steel or brass copper alloy, 4-gal. capacity guaranteed for 100 lbs. pressure. Electrically welded seams, double acting pump lock, tank opening is five inches in diameter; has a rubber double grip pump handle and swivel nozzle which can be adjusted to any angle, price complete as illustrated. Galvanized tank, \$6.50. Copper, \$9.95.

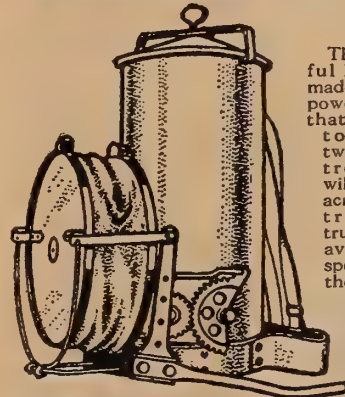


NEW MODEL C. C. C. SPRAY PUMP



Sprays tall fruit and shade trees, disinfectants in barns, stables, poultry houses, also whitewash and cold water paints. Equipped with adjustable nozzle which sprays three ways. Price, \$6.85.

Dusters and Blowers The American Beauty Dust Sprayer



The most powerful hand duster made. Has a large, powerful bellows that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, \$22.00. Write for leaflet.

dusting one or two rows. Capacity, 2 to 5 lbs., depending on powder used. Each, \$9.95.

No. 100 DUSTER



Complete with attachment for

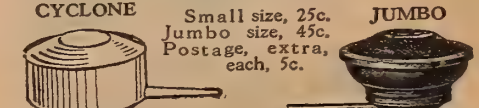
dusting one or two rows. Capacity, 2 to 5 lbs., depending on powder used. Each, \$9.95.

FEENEY MODEL B DUSTER



Splendid Hand Duster. Each, 85c. Post-paid, 95c.

POWDER GUNS

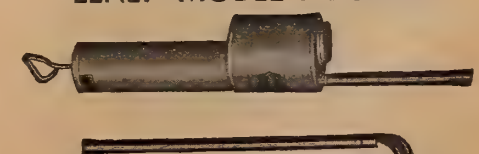


CYCLONE

Small size, 25c.
Jumbo size, 45c.
Postage, extra, each, 5c.

JUMBO

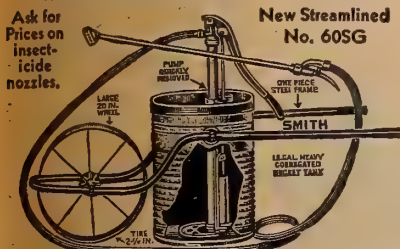
FEENEY MODEL F DUSTER



Holds about one quart, the long extension tube allows the operator to dust low growing plants without stooping. Two nozzles or spreaders are provided, one curved nozzle for the Mexican bean beetle control, and a straight nozzle for general purpose dusting. Price, \$1.25.

WHEELBARROW SPRAYER

New Streamlined No. 60SG



Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or whitewash. With extra long handle and large air chamber, develops 250 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gals. Fully equipped with hose, nozzle, fittings, steel extension, etc. Price, \$18.95; with Silver-ton 16x4 inch pneumatic tire \$28.50.

Shipping weight, 80 lbs.
No. 60 S. P. G. Same as above, but with pressure tank and gauge. Price, \$29.75.

No. 60 B.P.G. Same as above, with pressure tank and gauge equipped with balloon pneumatic tire. Price, \$33.75.

HIGH PRESSURE STURDY BUCKET PUMP No. 92



This is most excellent for use in gardens, greenhouses, orchards, washing windows and automobiles or whitewashing and spraying poultry houses. Is fitted with nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream, solid or in fine spray. It is one of the best pumps made for the money.

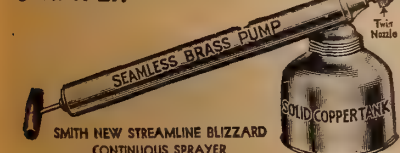
Price, complete, without bucket, \$3.50.

BAMBOO EXTENSION ROD



Brass lined. Eight feet long, with stop cock and brass drip shield. Each, \$4.25; 10 ft., \$4.50.

BLIZZARD COPPER CONTINUOUS SPRAYER



Very durable, seamless brass pump, solid copper tank with adjustable nozzle for straight and underleaf spraying. Each, \$2.00.

GARDEN MULCH PAPER

Gator-Hide mulch paper, impregnated with asphalt. Type A, 300 lineal yards, 18-in. wide, approximately 30 lbs., \$2.50 per roll. 36 in. wide, approximately 60 lbs., \$5.00 per roll. Type B, extra heavy for perennial crops, 150 lineal yards, 18 in. wide, approximately 30 lbs., \$3.00 per roll; 36 in. wide, approximately 60 lbs., \$6.00 per roll. Small garden size roll, 45 lineal feet. Price, 50c; by mail, 70c.

Write for discount on 10 rolls or more.



HOTKAPS

These plant protectors mean larger, earlier, premium crops.

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around them, Hotkaps become individual miniature hothouses.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

Prices: 1,000 lots, \$10.75; 5,000 lots, \$10.50 per M; 10,000 lots, \$10.25 per M; 250 Trial Package including Garden Setter with Tamper, \$4.00; 100 Home Package, including Garden Setter with Tamper, \$2.75; Germaco Hotkap Steel Setter with Tamper, \$1.50; postage extra. Wt.: 1,000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Steel Hotkap Setter, 3 lbs.; Garden Setter alone, 50c.



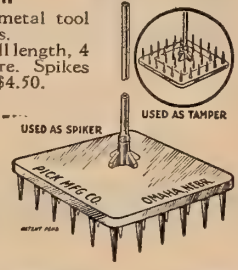
HOTENTS

Protect and force all varieties of plants where a large plant protector is needed. Made of a scientifically manufactured paper which is extra strong, 10 1/2 x 14 1/2

inches at the base, creating 152 1/2 square inches of protected ground, they are 8 1/2 inches high. Hotents are strong, being supported with two patented covered wire bows fastened to the under side and running parallel across the body. Packed 500 to a carton, and weigh 35 lbs. per carton. Price, per carton, \$7.50; per 100, \$2.00; setter, each, \$1.95.

SPIKE TAMP

An indestructible all metal tool made of quality materials. Weight, 13 lbs. Overall length, 4 feet. Plate 9 inches square. Spikes 1 1/2 inches long. Each, \$4.50.



SPIKE TAMP
"THE LAWN MAKER'S FRIEND"
Smudge Stove

EVEREADY SMUDGE STOVES

Will drive away mosquitoes, flies, and insects. Has a pleasant odor, lasts from 14 to 24 hours. Each, 30c; doz., \$3.00.

LADIES' AND YOUTHS' SET OF GARDEN TOOLS

Well constructed; combine strength and light weight. This set of light-weight tools comprises a long handled hoe, a garden rake, garden spade and spading fork. They are all serviceable, well-constructed tools (not toys), handy for use in camp and home gardens. Price, per set, \$4.35.



WREN HOUSE No. 16



This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, \$1.25; white and green, each, \$1.50.

Blue Bird House similar to the above, stained brown, \$1.00.

MARTIN HOUSE No. X315

Twenty compartment house, two stories high, unpainted, \$12.00. Painted two coats in white and green, \$15.00.

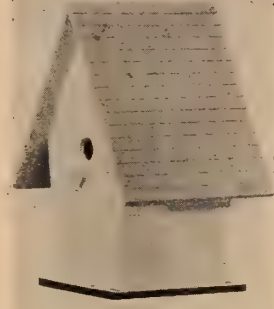
Twenty-eight compartment house, three stories high, unpainted, \$15.00. Painted two coats white and green, \$18.00.



WREN HOUSE

Model No. 101.

Attractive bird cottage for the wren, completely assembled and painted. Size 7x7x11 inches. Weight 2 1/2 lbs. Each, \$1.75.



No. 101

SOD SPIKER

For cultivating the soil beneath the lawn to receive the needed soil foods, such as water, fertilizers, peat, sands, etc. Price, \$1.75.



O. K. ELECTRIC GRASS CUTTER

Trimmer and Edger



For formal gardens, terraces and small steep lawns. Completely finishes, no other implements needed. Will also trim hedge, cuts any way moved or held. Weight 5 lbs. A real implement. Price, \$17.00.

O. K. ELECTRIC HEDGE TRIMMER

No gears, no bottom to choke up, does not disturb cut after made. It is a quality, practical trimmer. Heavy duty, ball bearing. Price, \$15.00. Home use, \$8.85.

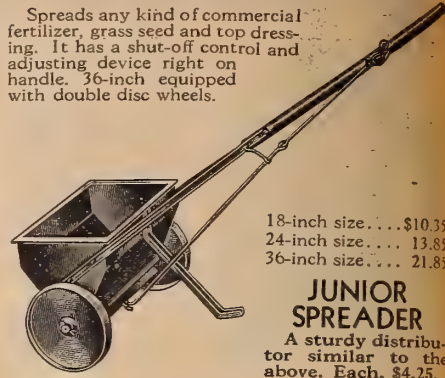


SPADE. Razor Back. Rolled in backbone extending full length through blade frog and socket, each, \$1.50.

SHOVEL. Razor Back. Same construction as spade. Each, \$1.50.

MASTERS' PERFECT FERTILIZER DISTRIBUTOR

Spreads any kind of commercial fertilizer, grass seed and top dressing. It has a shut-off control and adjusting device right on handle. 36-inch equipped with double disc wheels.



18-inch size... \$10.35
24-inch size... 13.85
36-inch size... 21.85

JUNIOR SPREADER

A sturdy distributor similar to the above. Each, \$4.25.

JAPANESE BEETLE TRAPS

Type 4 as illustrated, similar in design to the trap used by the U. S. Dept. of Agriculture, especially suitable for larger homes and estates. Fitted with standard screw caps for quart and two quart mason jars. Each, \$1.00. Type O, a small neat trap fitted with a swing handle, will fit any mason jar. Enameled green and white. Each, 50c; doz., \$5.00.



Granular Bait, for use in small trap. 1/4 lb. can, 25c; 1/2 lb., 45c. **Liquid Bait** for use in No. 4 trap. Each, 50c. Granular bait can also be used in No. 4 trap. Wirestands for traps, each, 30c.



No. 122 LAWN RAKE

New hi-quality spring steel tines. Tines embossed at base, creating an even bend when in use and eliminating a fatigue point. No bar across tines to catch leaves and to give tines undue bending point. Tines 1/16" wider, giving greater bearing surface on ground. Rake is lighter than many in its quality class. Tine spread = 18". No. tines = 22. Handle length = 52". Shipping wt. = approx. 1 lb. 14 oz. Each, \$1.00.

Colvin Subsurface Irrigator



For trees, shrubs, and flowers, irrigates directly at the roots dissolving the plant food in the soil and making it readily absorbable. Standard model each, \$3.25; Junior model, each, \$2.50.

Glectimmer



Trims hedges ten times faster. Can also be used for trimming grass in all those places where a lawn mower won't go. Price, \$29.50. Price includes 6 ft. rubber covered cord. Extra cord, 50 ft., \$2.25; 100 ft., \$3.50.

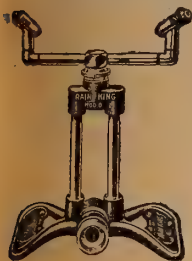
GARDEN NON-KINKABLE HOSE



Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length, fitted with couplings. There is no economy in buying cheap hose. Price, $\frac{3}{4}$ -inch, 50 feet, coupled, \$7.45; 100 feet, \$14.45.

A Good Grade Garden Hose, $\frac{5}{8}$ -inch, fitted with couplings. 50 feet length, \$4.50.

MODEL D RAIN KING



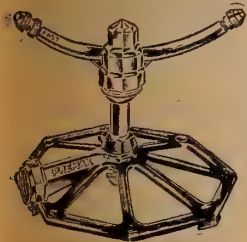
The latest Rain King, and world's greatest sprinkler value. Works on all water pressures or any spray. Sets quickly to turn fast or slow or for stationary sprinkling. Ea., \$2.85.

Model H Rain King

Similar in design to D Model, larger all brass parts, chrome plated. Each, \$3.75.

MODEL G RAIN KING

A new type home lawn sprinkler that throws every known kind of spray over circles 12 to 100 feet. Each, \$3.95.



Premax Floating Head Sprinkler

Discharges $1\frac{1}{2}$ times as much water as leading competitors in the same price class, has frictionless bearings that never wear out. Price, \$2.50.

Premax Turbine Sprinkler

Throws a gentle rain in a 4 to 30 foot circle. Price, 60c, postpaid, 75c.

RAIN KING NOZZLE



Machined from solid brass; cannot tarnish or corrode. Each, 65c; postpaid, 75c.

LINCOLN PARK OR BUTTERFLY

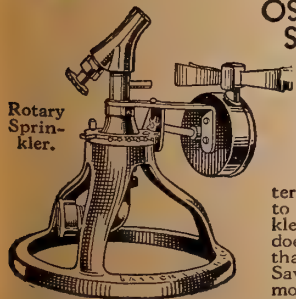


Cheapest and best sprinkler made. Each, 50c.

Mounted on stand: 2-foot, \$1.60; 4-foot, \$1.95; 6-foot, \$2.25.

ROTARY and OSCILLATING SPRINKLER

Rotary Sprinkler.



This sprinkler is adjustable at will from bell-shaped spray to full stream, half or full circle, 15 to 80 feet diameter. It is a pleasure to watch this sprinkler in operation. It does the work better than a man can do it. Saves time, labor and money. Each, \$9.50; 3 for \$27.00.

BROOM RAKE. Made of spring wire. Each, \$1.25.

Owing to the fluctuations of the market, prices are subject to change without notice.

ROSS SQUARE SPRAY HEADS FOR SCIENTIFIC SPRINKLING



It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for $\frac{1}{2}$ inch pipe, capacity $3\frac{1}{4}$ gals. per minute. Has a slotted adjusting screw to control the area of the spray. No. 54A. Price, per doz., \$6.00.

ROSS PORTABLE SPRINKLER

Ross Portable Sprinkler System. A good substitute for an underground sprinkling system for the lower cost. When used between lengths of hose of about 15 ft., three tees will cover about 675 sq. ft. of lawn and four tees will cover about 900 sq. ft. Each set consists of No. 30 adjustable tees and No. 58 square spray heads, with one No. 70 hose cap. Per set of three, \$3.50; weight, 2 lbs.; per set of four, \$4.60, weight, $2\frac{1}{2}$ lbs.

THE EVANSTON SPRINKLER

One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area.

Each, 70c; 3 for \$2.00.



Boston Rose Spray. Brass; for $\frac{3}{4}$ -inch hose; useful for watering lawn and garden. Each, \$1.45; by mail, \$1.50.



Justrite Hose Nozzle. For lawn and garden, can be changed from fine spray to stream. $\frac{3}{4}$ -inch, ea., 60c; by mail, 65c.



Ross No. 10 Hand Sprinkler. Preferred by nurserymen and home owners alike. Capacity 13 gallons per minute. Do not compare with cheaper imitations. Each, 75c.

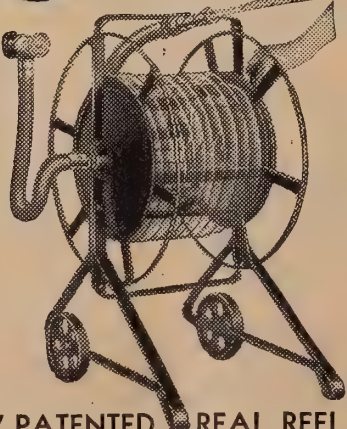
RUBBER WASHERS

12 red washers on wire clip. Per clip, 5c.



HOTHOUSE SPRINKLER

All brass, distributes water evenly; $\frac{3}{4}$ inch connection; 3 inch face, each, 50c; 4 inch face, each, 65c.



NEW PATENTED REAL REEL

Water runs through the reeled up hose on reel; sprinkle without unreeling any more hose than you need. All steel and brass, capacity 125 ft. of $\frac{3}{8}$ inch hose, 100 ft. of $\frac{1}{2}$ inch hose. Frame made of $1\frac{3}{4}$ " steel. The patented flexible joint is solid brass and water-tight. Weight, 25 lbs. packed. Price, \$5.25.

PERFECT CLINCHING COUPLER

$\frac{3}{4}$ -inch, per pair, 25c; doz., \$2.50.



PERFECT CLINCHING HOSE MENDER

A self fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose. $\frac{3}{4}$ -inch, each, 10c; doz., \$1.00.

THE COOPER HOSE MENDER



Best hose mender. Brass, with sharp barbs on either end to prevent hose slipping off. $\frac{1}{2}$ or $\frac{3}{4}$ -inch, each, 10c; doz., 95c; 1-inch, each, 12c; doz., \$1.15; postage, 5c doz. extra.

Iron Mender. For $\frac{3}{4}$ -inch hose, each, 6c; doz., 65c. **HOSE WASHERS.** $\frac{3}{4}$ -inch, per doz., 5c; gross, 50c.

For ordinary grass and weeds, each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Live stock should be kept off the treated ground until the dead leaves wither away. Qt., 50c; gal., \$1.50; 5 gals., \$6.00; 10 gals., \$10.00; 30 gals., \$24.00; 55 gals., \$33.00.



"HERBICIDE" THE WEED EXTERMINATOR
For Paths, Cobble Gutters, Drives, Tennis Courts, etc.

MEO-181. Destroy Dandelions, Crab grass, and other common weeds. Any spraying apparatus which spreads a fine atomized mist is suitable for applying MEO-181. Price, qt., 75c; gal., \$1.55; 5 gals., \$7.25.



ATLACIDE

Non-poisonous Weed Killer Duster, especially recommended for obtaining weed-free driveways, paths, tennis courts, and gutters. 5 lb. can, \$1.50, 15 lb. drum, kills 1,500 sq. ft., price, \$2.70.



WEED KILLER KIT

Killer Kemical kills Dandelions, Thistles, Plantain, Buckhorn and other common weeds. Does not sterilize the soil—Is not poisonous or inflammable—Does not stain walks or clothing—Does not corrode or rust metals.

Killer Kane insures easy and economical application—No stooping or back-breaking. Place Kane on crown of dandelion or weed and press handles lightly. A small amount of Kemical is released and does all the work. Children as well as grown-ups can operate effectively.

Killer Kits. No-stoop applicator. Killer Kemical enough to kill 1500 weeds. Price, complete, \$1.95. Killer Kemical, $\frac{1}{2}$ gal., \$1.45; gal., \$2.35; 5 gals., \$9.85.



MOWRAH MEAL WORM REMOVER

A worm remover in powder form. Easy to apply; acts as a fertilizer and its effects are lasting. Apply at the rate of 15 lbs. per 1000 sq. ft. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.75; 100 lbs., \$4.50.

SOIL SOAKER



Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries now available for home use. Equipped with regular hose connection for attaching to hose or pipe. No. 0, 12 ft., Price, \$1.25; No. 1, 18 ft., \$1.75; No. 2, 30 ft., \$2.75; No. 3, 50 ft., \$4.50.

GLAZING MATERIALS AND POTS



MASTICA. For glazing greenhouses, hotbeds, sash, etc., better than putty; does not crack, always remains soft. Per gallon, \$2.95.

MASTICA MACHINE. For applying above. (Weight, 1½ lbs.) Each, \$3.35.

PUTTY. Twemlow's Old English. Semi-liquid. Same as Mastica. Per gallon, \$2.95.

PUTTY BULB Scollay's.

Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight, ½ lb.) Each, \$1.75.

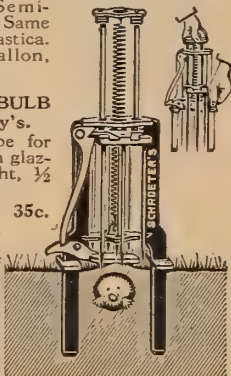
PUTTY KNIFE. Each, 35c.

MOLE TRAP IMPROVED, with patented setting attachment. One of the best mole and gopher traps. Each, \$2.00.

MOSS, Sphagnum. Bur-lapped bales. Ea., \$2.00.

SHEET MOSS (Green).

Freshly gathered; for windows, boxes, etc. Per sack, \$2.25.



Mole Trap

POTS (Flower)

F. O. B. Chicago. Write for New York Prices.

RED CLAY POTS. We pack these carefully, but will not be responsible for breakage.

2 in. Doz. 100	\$0.35	1000	\$1.45	6 in. Doz. 100	\$1.25	Each	\$7.75
2½ in. Doz. 100	.50	1000	1.65	7 in. Doz. 100	1.65	Each	11.75
3 in. Doz. 100	.50	1000	2.50	8 in. Doz. 100	2.25	Each	16.25
4 in. Doz. 100	.65	1000	3.00	10 in. Doz. 100		Each	\$0.60
5 in. Doz. 100	.85	1000	5.50	12 in. Doz. 100		Each	.85

GREEN NEPONSET PAPER POT. Especially adapted for growing.

2½-inch Doz. 100	\$0.30	1000	\$1.10	6 in. Doz. 100	\$1.25	Each	\$7.75
3-inch Doz. 100	.35	1000	1.25	7 in. Doz. 100	1.25	Each	8.95
4-inch Doz. 100	.45	1000	1.75	8 in. Doz. 100	1.75	Each	12.00
5-inch Doz. 100	.60	1000	2.25	10 in. Doz. 100	2.25	Each	18.50

POTS (Azalea, Cyclamen or Fern). ¼ size in height of standard flower pot.

6-in. Each Doz.	\$0.15	1.25	9-in. Each Doz.	\$0.30	3.25
7-in. Each Doz.	.20	1.65	10-in. Each Doz.	.60	6.00
8-in. Each Doz.	.25	2.25	12-in. Each Doz.	.85	8.50

RUB POTS. ½ size in height of standard flower pot.

6-in. Each Doz.	\$0.15	1.25	8-in. Each Doz.	\$0.25	2.25
7-in. Each Doz.	.20	1.65	10-in. Each Doz.	.60	5.50

SAUCERS—Green Rubber

Size A, 5-inch, takes up to 6-inch pot., Doz., \$1.95

Size B, 6½-inch, takes up to 8-inch pot. Doz., \$3.20

Size C, 9¾-inch, takes up to 12-inch pot. Doz., \$6.60



SAUCERS—Clay

5-inch Doz. 100	\$0.60	4.00	9-inch Doz. 100	\$2.00	\$13.50
6-inch Doz. 100	.85	6.00	10-inch Doz. 100	2.85	18.00
7-inch Doz. 100	1.10	7.50	12-inch Doz. 100	4.20	25.20
8-inch Doz. 100	1.45	9.50			

NEPONSET PAPER POTS.

Made of water-proof paper, light, clean and unbreakable.

2 in. Doz. 100	\$0.15	\$0.65	\$4.00
2½ in. Doz. 100	.17	.75	4.65
3 in. Doz. 100	.20	.85	4.95
3½ in. Doz. 100	.25	1.00	5.95
4 in. Doz. 100	.30	1.20	7.10
4½ in. Doz. 100	.33	1.35	8.25
5 in. Doz. 100	.40	1.95	12.00
6 in. Doz. 100	.45	2.20	15.25



FORK.

Lightweight Spading. True temper quality, handy for spading around shrubbery and perennials. Each, \$1.50.

GARDEN LINE REEL.

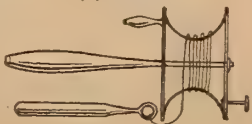
(Weight, 2 lbs.) Each, \$1.35.

GARDEN LINE.

Each heavy braided. Per 96 feet, 95c; by mail, \$1.00.

GRAFTING WAX.

Per ¼ lb. bar, 20c; ½ lb. bar, 35c; 1 lb bar 60c.



SAXOLIN DUPLEX CRINKLED WATERPROOF TREE WRAP



For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inch wide, about 155 ft. to a roll. Weight, about 2½ lbs. Ea., 65c; doz. \$6.50.

HORMODIN ROOT FORMING CHEMICAL

Hormodin is a hormone-like plant growth substance. Its principal use is to stimulate rapid root growth on cuttings. Makes it possible for growers to reproduce plants from cuttings with high percentages of successful results. Small size package, 50c. Medium size, \$1.00; 240 unit size, \$2.50; 480 unit size, \$4.50; 960 unit size, \$8.00.



HORMODIN POWDERS

POWDER NO. 1. Designed primarily for use on carnations, chrysanthemums, poinsettias, roses, and similar types. Many house, garden, and greenhouse plants are included in the complete list. Price, 1½ oz. pkg., each, 50c; 1 lb., \$3.00.

POWDER NO. 2. Designed for use on less sensitive species, which comprise many of the semi-woody types and many of the common shrubs. Price, 1½ oz., 75c; 1 lb., \$4.50.

POWDER NO. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. Price, 1 oz., \$1.00; ½ lb., \$4.50.

The three Hormodin Powders are designed to cover the full propagating range with a one-dip treatment. Complete directions for each powder are included with the package.

Combination package of No. 1-2-3 in one carton, each, 75c.

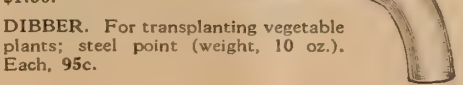
ROOTONE

A hormone powder easy to use, anyone can apply safely, no skill is needed to apply Rootone, no measurements, no vials, no elaborate charts to follow, just dip and plant. Price, ¼ oz. pkg., 25c; 2 oz. jar, enough to treat 3,000 cuttings, \$1.00; 1 lb. jar will treat up to 30,000 cuttings, \$5.00. Write for leaflet; all postpaid.

THE SUDBURY HOME GARDENER'S SOIL TEST KIT

This simple, practical, easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenkeepers throughout the country. Tests for nitrogen, phosphorus, potash, and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's Soil Test Kit, complete with instructions and data on plant needs, \$2.00. Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. 2 oz., 75c; 6 oz., \$1.50.

DIBBER. For transplanting vegetable plants; steel point (weight, 10 oz.). Each, 95c.



Vaughan's Garden

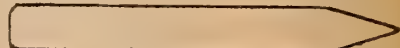
LABELS

LABELS. Zinc, Tree. Wired ¾ inches long, ¼ inch wide. Price per doz., 30c; 100, \$1.85. Simplex, Shrubby. Doz., 50c; 100, \$3.25.



Rose - Los Angeles

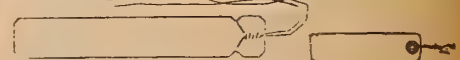
SIMPLEX Green Weather-Proof Plant Labels. Price includes copper wires for attaching and steel stylus for marking. No. 31, size 3x½ inch, per doz., 40c; per 100, \$2.50.



Wooden. For pots, painted.

4-inch Doz. 100	\$0.45	1000	\$2.10	6-inch Doz. 100	\$0.55	1000	\$3.25
5-inch Doz. 100	.50	1000	2.75	12-inch Doz. 100	1.45	1000	12.50

Tree, Copper Wired. ¾ in. 100, 55c; 1000, \$3.25.



Copper. Indestructible. Tree and shrubbery, copper wired. Small, 30c doz.; 100, \$1.85; large, 40c doz.; 100 for \$2.50.



ZINC

PERMA LABELS. Improved type, all one piece, all metal labels. Price, 100 for 85c; 500 for \$3.75; 1,000 for \$6.75.

PEERLESS PLANT STAKES. Non-rusting, made of copper, bearing galvanized metal, no acid painting or special ink necessary. The ordinary lead pencil is the very best thing to use for writing the names. No hunting for some special stake, merely take the first one you come to and change the card. This is very quickly and easily done. 12 in., doz. for \$1.50; 18 in., doz. for \$1.80. Postage extra.

Plant Markers
Oval Top.
Made of heavy galvanized sheeting 9 inches long. Price, per doz., 75c; per 100, \$4.25. Special black ink for marking labels, oz. bottle, 60c. Markers for Rock Gardens, 4 inch, galv., doz., 75c; 100, \$4.25.

MARK YOUR PLANTS THE MODERN WAY WITH "GARDEN KING"
A patented weather-proof for all garden uses. Now! Something every gardener has been dreaming of is a reality! And it's priced so low that everyone can afford it!

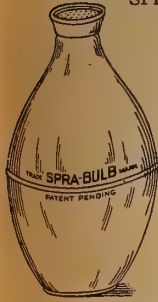
WATER-PROOF. DIRT-PROOF.
Garden green color, so that it blends right into the foliage. Treated with a preservative that protects against decay. Undercut groove contains white chemically treated water-proof name card, covered by a dirt-proof transparent window. Just use ordinary pencil, and the name will remain for years.

12-inch size, doz., 35c; 3 doz., \$1.00
18-inch size, doz., 45c; 3 doz., \$1.25
Simplex green weather-proof rock garden label.
4-inch Doz., 50c; 100 for \$3.00.
5-inch Doz., 65c; 100 for \$4.50.

GARDEN KING
NAME

Tools and Requisites

SPRINKLERS, Scollay's Rubber.



Best sprinkler for plants, ferns and flowers, holds 1 1/2 fluid ounces. Large, \$1.45. By mail, \$1.50.



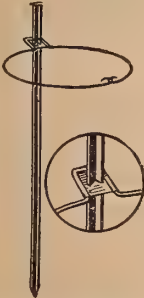
Scollay's

Spr-Bulb.

An indispensable household help used in spraying in and outside the home, ideal for moistening laundry and spraying powder on plants and animals. Each, 95c.

IDEAL ADJUSTABLE PLANT SUPPORT.

Has a unique self-locking adjustable feature causing the hoop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy 18 inch gauge galvanized stake will stand firmly in the ground. The hoop is of 8 gauge galvanized wire, 13 inches in diameter, and may be opened up to put around large plants. 3 ft., doz., \$2.85; 4 ft., doz., \$3.75; 5 ft., doz., \$4.25.



TOMATO OR PEONY SUPPORTS—Made of heavy galvanized wire.



F.O.B. New York. Ea., 35c; doz., \$3.00.

F. O. B. Chicago. Ea., 40c; doz., \$3.25.

TIME SAVER PLANT SUPPORT

A long lived, low priced, completely adjustable support, all metal parts being galvanized. Java end is green. Can be adjusted

as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports.

Per doz. Per 100

30-inch	\$1.10	\$7.50
36-inch	1.35	9.50
48-inch	2.40	17.50
60-inch	3.00	22.50



MODEL EXTENSION CARNATION SUPPORTS

Bases or bottom circle made of No. 12 galvanized wire, top circle of No. 13 galvanized wire; diameter of top circle 6 3/4 inches, bottom circle 7 1/2 inches; total height of support extended, 24 inches; shipping weight, two-ring supports, approximately 360 pounds per thousand; three-ring supports, approximately 410 pounds per thousand. Price, 2-ring supports, \$8.50 per 100; 3-ring supports, \$9.50 per 100. Write for price in large quantities.

"TWIST-EMS" THE PERFECT PLANT TIES

For plants, shrubs, vines, vegetables and for arranging flowers. Just a simple twist of the wrist and the plant is tied. Price per box of 125 8-in. ties, 25c; price per box of 250 4-inch ties, 25c.

HANDY FLOWER HOLDER

This garden necessity will support the stem and hold the bloom upright; leaf green enamel that blends with the foliage; easily opened like key ring, to insert flower snaps closed around stem. Comes in three sizes. 24 inch No. 10 wire, doz., \$1.00; 36 inch No. 9 wire, doz., \$1.25; 48 inch No 8 wire, doz., \$1.50.



Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium" and "Large." Price, 75c a pair, postpaid.

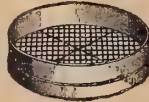
STAKES—HEAVY TONKIN Natural Color.

Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. F.O.B. N. Y. F.O.B. Chicago.

Length	Diameter	Doz.	100	Doz.	100
4 ft...	1/2 to 3/8 inch	\$0.75	\$3.25	\$0.85	\$3.75
4 ft...	3/8 inch	.95	4.25	1.10	4.85
5 ft...	5/8 to 3/4 inch	1.20	4.60	1.30	5.75
6 ft...	5/8 to 3/4 inch	1.40	5.50	1.60	6.25
8 ft...	5/8 to 3/4 inch	1.60	6.25	1.80	7.25

SIEVES

For sifting soil. 18 inches in diameter, all sizes mesh from 1/2 to 1/2 inch. Each, \$2.50.



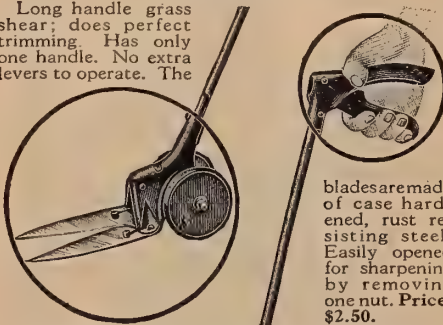
SYRINGES—Brass.



No.	Length	12 1/2 in.	15-16 in. in diam.	Each
No. 0.	Length 12 1/2 in.; 15-16 in. in diam.	...	...	\$3.25
No. D.	15 1/2 in. long, 1 1/2 in. in diam.	...	...	4.75
No. 5.	Best for general greenhouse use.	...	...	7.85
No. 11.	18 in. long, 1 stream, 2 sprays.	...	...	6.85

DOO-KLIP

Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The



blades are made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Price, \$2.50.

Vaughan Doo-Klip Grass Shear. Same as above with short handle. Each, 85c. By mail, 95c.

WISS GRASS SHEARS. Finest quality with rubber grip. Each, \$1.35; postpaid, \$1.50.



WISS High Power Pruner. No. 906B. Gun-metal finish, each, 95c; heavy duty, full polished, \$1.85.

STAKES, WOODEN. Painted green.

Heavy Grade (for Dahlias)	Per doz.	Per 100
3 ft.	1.80	12.00
4 ft.	2.45	14.95
5 ft.	2.95	18.95
6 ft.	3.35	22.95

Light Grade (for smaller plants)	Per doz.	100	Per doz.	100	
1 1/2 ft.	\$0.45	\$2.35	3 1/2 ft.	\$1.40	\$9.25
2 ft.	.65	3.75	4 ft.	1.75	11.00
2 1/2 ft.	.95	4.95	5 ft.	2.25	13.95
3 ft.	1.20	7.25			

STAKES—JAPANESE BAMBOO Painted Green.

1 1/2 ft.	1000	3 ft.	100	1000	
1 1/2 ft.	\$0.85	\$4.00	3 ft.	\$1.40	\$7.50
2 ft.	1.00	5.00	3 1/2 ft.	1.50	8.50
2 1/2 ft.	1.20	6.00	4 ft.	1.65	10.00
			Japanese Bamboo not painted, 6ft.	2.00	14.00

STAKES—Galvanized Wire.

No. 9 Wire	Doz.	100	No. 8 Wire	Doz.	100
1 1/2 ft.	\$0.35	\$1.20	3 1/2 ft.	\$0.60	\$2.50
2 ft.	.40	1.50	4 ft.	.70	2.85
2 1/2 ft.	.45	1.90	5 ft.	.90	3.50
3 ft.	.50	2.10	6 ft.	1.00	3.95

Prices wire stakes subject to change without notice.



TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. Painted green with durable oil paint. Prices F. O. B. Chicago or New York. If handles are required, add 35c per tub. First figure following number of tub gives diameter in inches at top of tub; second figure, depth in inches.

No.	Each	Four	No.	Each	Four
1.. 6x 6	\$0.75	\$2.80	9.. 14x13	\$1.95	\$7.40
3.. 8x 8	.80	3.00	11.. 16x15	2.35	9.00
5.. 10x 9	1.00	3.80	13.. 18x17	3.20	12.40
7.. 12x11	1.50	5.80	14.. 19x18	3.85	14.80

SHEARS

Border—English Imported. Long handle for trimming the edges of borders and walks. 9-inch, \$5.95.

Border—American made Diston quality, 9-inch, \$4.95.

Write for leaflets and prices on Motor Mowers.



SCYTHE

English, Riveted Back, 30-inch, \$2.95. 36-inch, \$3.25. Scythe Snath, each, \$1.95. Scythe Stone, Natural, 25c each.

TURF EDGER

American.....Each, \$1.35



SOD LIFTER

Polished steel blade, strap ferrule. D handle with ebonized wood grip. Length of handle, 2 3/4 feet. Length over all, 4 feet. Price, each, \$2.75.



Hole-in-One Planting Tools. Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 65c; postpaid, 75c.



THE PORTER POINTCUT PRUNER

Designed for the fruit grower. Light in weight, 2 1/2 lbs., 20 inches long. Easy to use in close places. \$5.00.

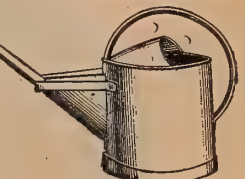


FORESTER PRUNERS

No. 1—20 inches long, designed for home use. Each, \$5.00. Weight, 2 lbs. 10 oz.
No. 2—27 inches long, has a capacity up to 1 1/2 inch. In green wood. Price, \$6.00. Weight, 4 lbs. 10 oz.
No. 3—34 inches long, capable of cutting up to its rated capacity (up to 2 inches) in any so-called hard wood, such as oak, maple and beech. Weight, 7 lbs. 4 oz. Each, \$7.00.

WATERING POTS

American. Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, \$4.95; 6 quart, \$5.50; 8 quart, \$6.25; 10 quart, \$6.50; 12-qt., \$6.95.



French Style. Oval, otherwise same make as above, 6-quart, \$6.25; 8-quart, \$6.50; 10-quart, \$7.50; 12-quart, \$7.95.

VAUGHAN'S BULB PLANTER



For planting all kinds of bulbs, especially gladioli, tulips and hyacinths, etc. Similar to English type planter, but more durable. Each, \$2.85.

KNIVES

Budding. Aluminum handle. Each, \$1.75; by mail, \$1.80.
Budding and Prop. Two blades; white handle; brass caps. Each, \$1.50; by mail, \$1.55.
Propagating. "The Vaughan," best of all. Each, \$1.75; by mail, \$1.85.
Pruning. Stag handle. Each, \$2.25; by mail, \$2.50.
Potato Knife. "The Humphrey." Will cut to one or more eyes



without injuring the vital tissues. Each, postpaid, 35c; 3 for \$1.00.

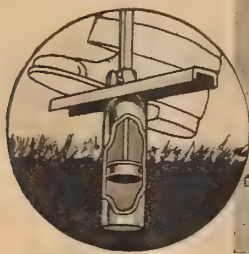
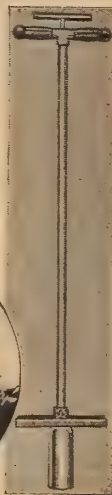


CARBORUNDUM BRAND. Home and garden sharpening stone. For sharpening knives, shears, edgers, etc. 10 1/4 inches long over all. Fitted with a durable wood handle finished in red. Each, 65c; by mail, 75c.

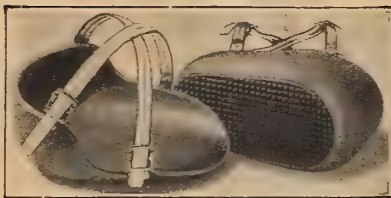
HOE. English Scuffle or Push. 6-inch, \$1.25; 8-inch, \$1.50. Without handle.

LAWN CARE TAKER

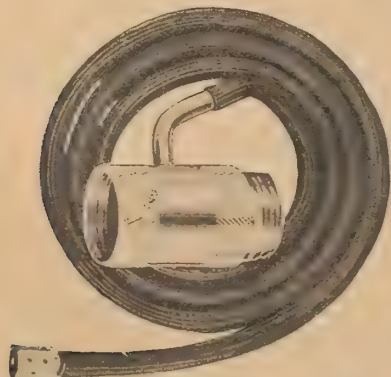
Makes pulling weeds and planting a pleasure, digs hole in the ground by stepping the cup down into the earth and pulling up a plug of dirt. The earth is ejected from the cup by squeezing the plunger rod and handle together. Price, each, \$2.95.



KNEE PADS



All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down when walking. Price, \$1.50; postpaid, \$1.65.



NEW SCIENTIFIC FERTIL SPRAY

Make fertilizing as easy as sprinkling your lawn. Fertilize through your hose. Mixes the right amount of ammonium sulphate, nitrate of soda, potash or any soluble fertilizer with the water with which you sprinkle your lawn. One end screws into the faucet, the other end takes the hose, the small tube drops into the bucket of fertilizer. Made of solid brass. Price, \$1.00; postpaid, \$1.10.

USE EROSIONET

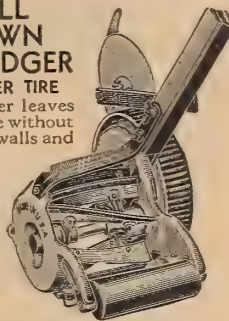
For New Lawns, Weak Lawns, and Stubborn Terraces



Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2 1/2 in. high. Width 45 inches. Price per yd., 11c; 25 yd. lots, 10c per yd.; 100 yd. lots, 9c per yd.; rolls of 250 yds., 8 1/2c per yd.

MASTERS BALL BEARING LAWN TRIMMER AND EDGER WITH MOLDED RUBBER TIRE

Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. Price, each, \$7.50, with edger, \$8.45.



GREENLEE EARTH AUGER

A handy auger for drilling holes to feed plant food to trees and shrubs. 2-inch size with 6-inch twist; length 40 inches overall. Each, \$3.50.



Berghman Lawn Mower Sharpener. A high-grade, durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. Price, \$1.00.

LAWN EDGER. No. 2 Planet Jr. Grass Edger. A handy tool to keep your lawn edges well trimmed. Price, \$2.00.

THERMOMETERS



Standard Grade Tested



Hotbed

THERMOMETERS. Tin Case, 8-in. 50c. Hotbed. Brass point, wooden frame, \$3.00. Self-Registering. With magnet to set it, 8-inch, each, \$7.50; registers highest and lowest temperature. Minimum. For registering cold, \$3.00. Tin Case. Standard grade, tested. 8-inch, each, \$1.50. White Porcelain Enameled with red spirit tube, easy to read. Each, 60c. Thermometers shipped by parcel post at purchaser's risk only.

BOXES

BOXES—Cut Flower.—Vaughan's "Green" Grade, green lined, moisture-proof board. Very popular. Packed 25 complete boxes per bundle.

Size, inches per 100	Weight Per 100	Size, inches	Weight Per 100
3 x 21x5	45 lb. \$8.25	3 1/2 x 30x5	75 lb. \$11.50
3 1/2 x 24x5	60 lb. 9.50	4 x 24x8	85 lb. 13.95
5 x 42x8	170 lb. 23.00	5 x 28x8	105 lb. 15.85
5 x 36x8	135 lb. 21.50		

"SAVO" SELF-WATERING FLOWER BOXES



Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum or green.

Model	Height	Width	Length	Price
Model A.	8 inches,	8 inches,	23 inches,	\$3.50
Model B.	8 inches,	9 1/2 inches,	29 inches,	4.00
Model C.	8 inches,	9 1/2 inches,	35 inches,	4.50
Model D.	8 inches,	9 1/2 inches,	41 inches,	5.00
Model E.	8 inches,	12 inches,	12 inches,	3.00
Model F.	12 inches,	12 inches,	12 inches,	3.50

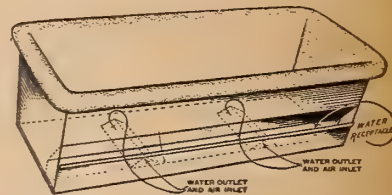
"SUCCESS" PORCH BOXES (Model D)

Made on the same principle, but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during hottest summer months. Never drip, like old wooden boxes, finished in an attractive shade of green. 8-in. deep, 11-in. wide. 8-in. deep, 12-in. wide. No. Length Price No. Length Price 23....42-in....\$5.50 25....60-in.....\$7.60 24....48-in..... 6.25

We supply all plants for Window and Porch Boxes, Tubbs, Urns, etc.

Specially prepared potting mold that will give best results. Peck, 40c; bushel, \$1.25; barrel, \$3.00.

Let us advise you in your selection of plants. We can please you and save you money.



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock seamed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i.e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

Outside dimensions of Window Boxes:

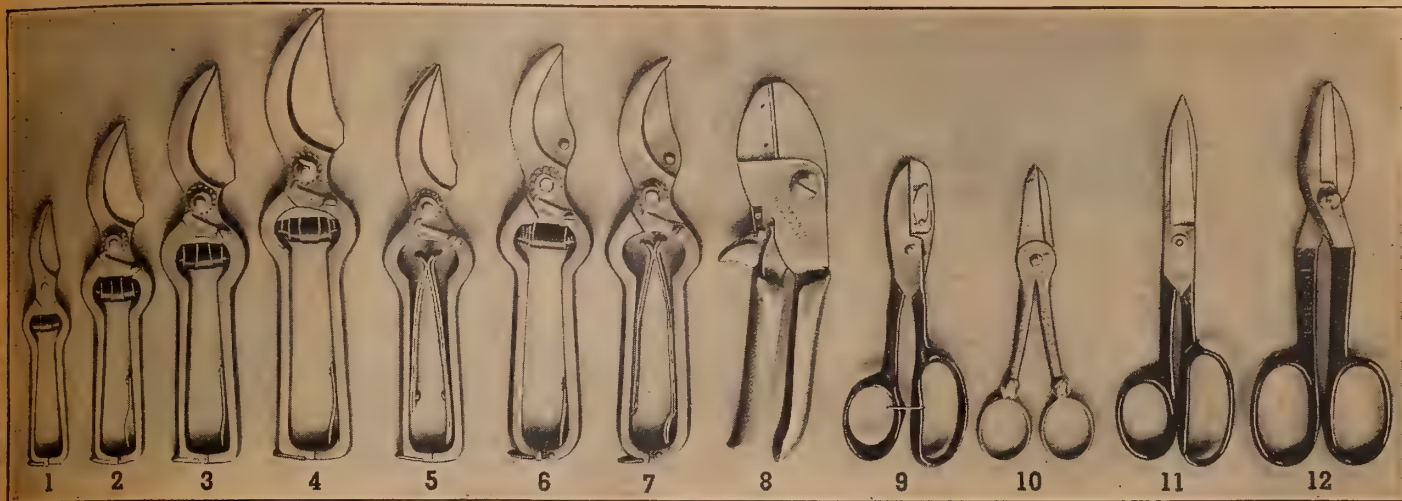
Length	Width	Depth	Price
24-in.....	8 1/2-in.....	6 1/4-in.....	\$1.50
30-in.....	8 1/2-in.....	6 1/4-in.....	1.95
36-in.....	8 1/2-in.....	6 1/4-in.....	2.75
42-in.....	8 1/2-in.....	6 1/4-in.....	3.45

VASE. Cemetery. Earthen, green, 10-inch, sharp point, each, 45c; 3 for \$1.25. Shipped by parcel post at purchaser's risk only.

SMITH FLAME GUN

General utility torch indispensable on the farm, garden, barn, etc., handy for cleaning out irrigation ditches, removing weed and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs., burns kerosene, range oil, stove or light furnace oil. Price complete, \$18.45 (weight 17 lbs.).





Vaughan's Quality Garden Tools

HAND PRUNING SHEARS

Illustrated above.

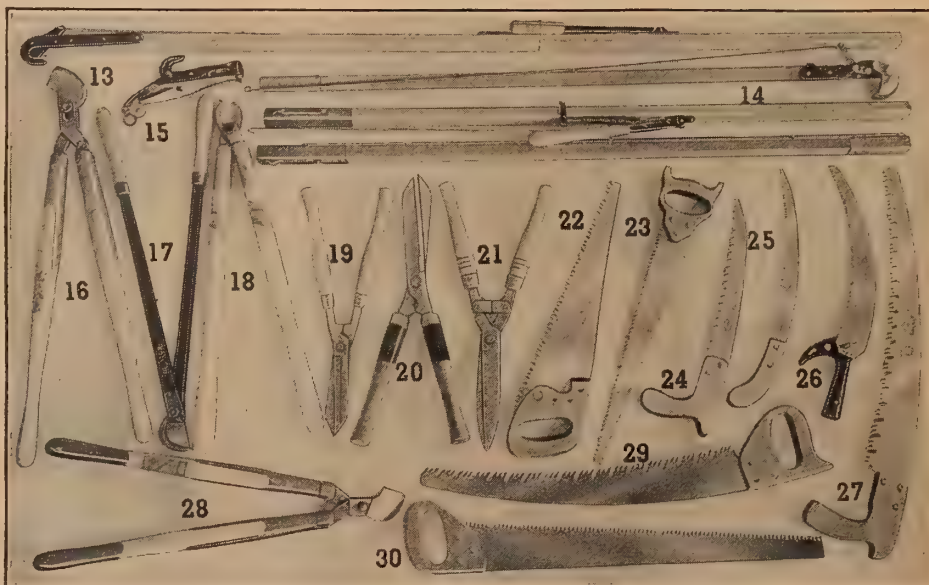
- No. 1—Ladies' 6-Inch Nickel Plated, each, \$1.50.
- No. 2—Henckel Steel, imported, full polished, 7 1/2-inch with ratchet, each, \$4.25.
- No. 3—Same as No. 2, 8 1/2-inch, each, \$4.75.
- No. 4—Same as No. 2, 9 1/2-inch, each, \$5.25.
- No. 5—California Pattern, Henkel Steel, imported, with brass spring and ratchet, 8 1/2-inch, each, \$5.00.
- No. 6—American Made, full polished, 9-inch with ratchet, each, \$1.85.
- No. 7—American Made, full polished, brass spring with ratchet, 9-inch, each, \$2.00.

CUT FLOWER SHEARS

- No. 8—Heavy Duty Snap Cut Pruner, each, \$1.85.
- No. 9—Flower Gatherer, holds cut stem, large size, each, 75c.
- No. 10—Flower Gatherer, holds cut stem, nickel plated, each, \$2.00.
- No. 11—Flower or Wire Scissors, each, \$1.50.
- No. 12—Tin or Wire Snips, each, \$1.50.

TREE AND HEDGE PRUNERS

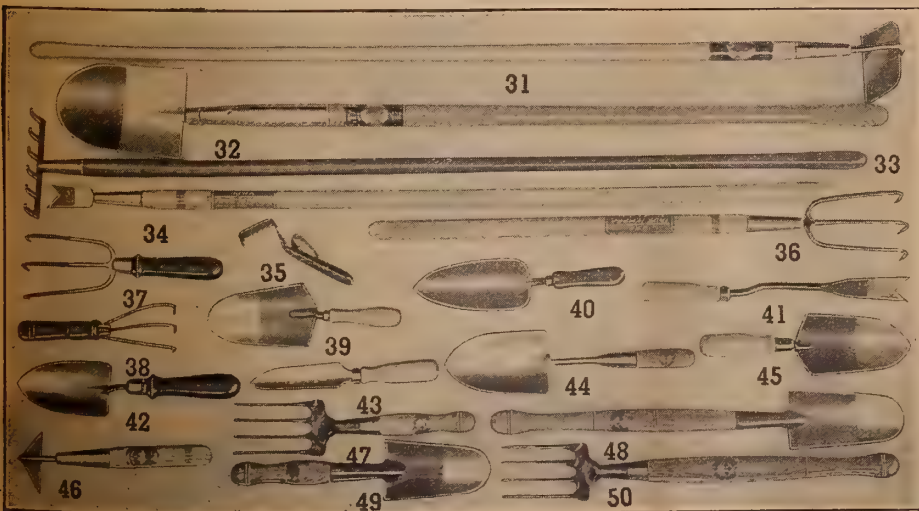
- No. 13—Waters Tree Pruner, 6-ft. pole, each, \$2.35.
- No. 13A—Same as No. 13, 8-ft. pole, each, \$2.65.
- No. 13B—Same as No. 13, 10-ft. pole, each, \$2.85.
- No. 13C—Same as No. 13, 12-ft. pole, each, \$3.00.
- No. 14—Bartlett Tree Pruner, 12-ft., three 4-foot poles jointed, complete, each, \$7.50.
- No. 15—Telephone Pruner Head, can be attached to any pole, each, \$2.35.
- No. 16—Clyde Draw Cut Pruner, 24-inch handles, each, \$3.95.
- No. 17—Disston All Steel Pruner, wood handles, 28 inches over all, each, \$3.50.
- No. 18—Double Cut Brush Pruner, 30-inch, each, \$3.00.
- No. 19—Ladies' Hedge Shears, full polished serrated blade, each, \$1.50.
- No. 20—American Made Hedge Shears, with pruning notch, best quality, 8-inch, each, \$1.50.
- No. 20A—Same as No. 20, 9-inch, each, \$1.75.
- No. 20B—Same as No. 20, 10-inch, each, \$1.95.



- No. 21—Wiss Highest Quality English Pattern Hedge Shears, shock-proof, with metal covered shock absorbers with pruning notch, 8 1/2-inch, each, \$2.95.
- No. 21A—Same as No. 21, 9 1/2-inch, each, \$3.25.
- No. 22—Tuttle Tooth Pruner, 20-inch, each, \$2.95.
- No. 23—Double Pruning Saw, 16-inch blade, each, \$1.35.
- No. 23A—Same as No. 23, 18-inch blade, each, \$1.45.
- No. 23B—Same as No. 23, 20-inch blade, each, \$1.60.

- No. 24—Handy All Round Pruning Saw, each, \$1.75.
- No. 25—Hand-Curved Pruning Saw, each, \$1.85.
- No. 26—California Pole Pruner, each, \$2.50.
- No. 27—Utility Speed Pruner, 26-inch, each, \$3.95.
- No. 28—Buckeye Pruner, 20-inch handles, each, \$2.00.
- No. 28A—Same as No. 28, 26-inch handles, each, \$2.50.
- No. 29—Utility Speed Pruner with D handle, each, \$3.95.
- No. 30—Forester Pruner, makes heavy pruning easy, 26-inch blade, each, \$2.45.

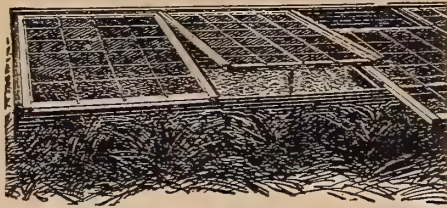
PLANTING AND CULTIVATING TOOLS



- Nos. 31, 32 and 33—Three Piece Ladies' Garden Set, consisting of rake, spade and hoe, set of three, \$1.75.
- No. 34—Long Handled Weeder, each, \$1.00.
- No. 35—Lang's Weeder, each, 25c.
- No. 36—Eureka Weeder, long handle, each, 75c.
- No. 37—Eureka Weeder, short handle, each, 60c.
- No. 38—Magic Weeder, each, 15c.
- No. 39—Polished Garden Trowel, each, 35c.
- No. 40—Imported Steel Shank Trowel, unpolished, each, 75c.
- No. 41—Asparagus Knife or Dandelion Digger, notched edge, each, 45c.
- No. 42—Ladies' True Temper Trowel, each, 75c.
- No. 43—Transplanting Trowel, each, 25c.
- No. 44—Forged Steel Shank Trowel, each, 95c.
- No. 45—All Steel One-Piece Trowel with wood handle, each, 95c.
- No. 46—Cultivator or Tree Scraper, each, 50c.
- No. 47—Imported English Marble Four Prong Fork, with hard wood varnished handle, each, 85c.
- No. 48—Imported English Marble Trowel, with hard wood varnished handle, each, \$1.00.
- No. 49—Imported English Marble Trowel, with hard wood varnished handle, each, 90c.
- No. 50—Imported English Marble Fork, with hard wood varnished handle, each, \$1.00.

HOTBED SASH

HOTBED SASH. 3x6 feet, 1 1/4 inches thick, made from clear grade genuine tidewater gulf Red Cypress, for three rows 10 inches wide glass, lapped, nailed together with white-leaded joints, reinforced across the center with galvanized flat steel bar; open, unglazed, each \$2.50; 3 for \$7.25; doz., \$24.60. Glazed, painted one coat, 10x14 inches double strength flat drawn greenhouse glass, each, \$5.35; 3 for \$14.95; doz., \$54.60.



HEATING CABLE

Electric cable for heating hotbed. New type Okobestos, corrosion proof, nickel chromium wire, felted asbestos insulation, lead sheath. Sixty feet heats 6x6 ft bed. Price F. O. B. Chicago, \$6.00. Extra cable, per ft., 10c. Complete installation instructions furnished.—**Thermostat.** General electric soil heating, to control cable heat; 110 or 230 volt, A. C. Will handle up to ten beds. F. O. B. Chicago, \$11.00.

SEED FLATS. Made from genuine Red Cypress, knocked down, bundled in bundles of 20 flats each, with nails.

No.	Inside Dimensions	Per Bundle of 10
No. 2.	22 3/8 x 15 x 2 3/4 inches.....	\$2.90
No. 1.	20 x 14 x 2 3/4 inches.....	2.60
No. 2-A.	22 3/8 x 15 x 3 3/4 inches.....	3.40
No. 1-A.	20 x 15 x 3 3/4 inches.....	2.90

In less than bundle, 3c per flat additional.

CEL-O-GLASS

Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and for many other purposes, at a great saving. Unbreakable and very light in weight. No glazing Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square yard, \$1.35; 25 ft. roll 3 ft. wide, \$9.75; 100 ft. roll, \$35.00.

TROJAN ROLLER TYPE GLASS CUTTER. Each, 25c.

GLAZING POINTS. Vaughan's Perfection. No rights or lefts; No. 2, small, for single thick glass; No. 2 1/2, double thick, for greenhouses and skylights. Price per box of 1 lb., 70c; by mail, 80c. Siebert's Improved. Easy to drive, and will not wedge or crack glass, 2 sizes, 5/8 and 7/8 inch long. Price per lb., 70c; by mail, 80c.



glass, 2 sizes, 5/8 and 7/8 inch long. Price per lb., 70c; by mail, 80c.

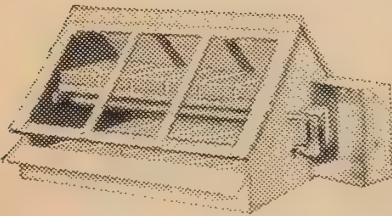
HOTBED MATS AND VIO-RAY WINDOW FABRIC

Milo Water-proof Hotbed Mats. A combination of heavyweight burlap felt and absorbent pulp, cemented together with a specially prepared water-proof compound absolutely impervious to rain, sleet and snow; proof against frost; repellent to rats and mice. Easy to handle, wears for years.

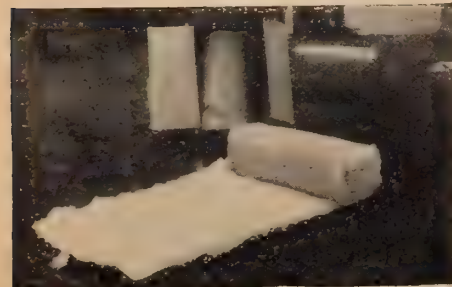
Size, 40x78 inches. Each, \$2.60; doz., \$27.00.
 Size, 78x80 inches. Each, \$4.75; doz., \$48.00.
 Continuous lengths 40 inches wide, per foot, 38c.
 Continuous lengths 78 inches wide, per foot, 75c.

WINDOW FABRIC VIO-RAY. A strong fabric treated by a patented process to make it transparent, weather-proof and water-proof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It comes in rolls 36 inches wide and any length. Per yd., 30c; 10 yd. roll, \$2.65; 20 yds., \$4.90.

KEENE PORTABLE PLANT STARTERS



Model 1—18 flat size, 31x41 inches, 26 inches high, shipping weight 85 lbs. Price with oil burning unit, \$23.95.
 Model 10, same size with electric unit, \$25.95.



MULCHING WOOL

has been proved superior to all other mulches for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres. Packed 100 sq. ft. to a carton, two rolls 20 ft. long by 30 inches wide, are easy to handle and apply. Per carton, \$3.00; one roll only, \$1.75. Weight per carton, 35 lbs.

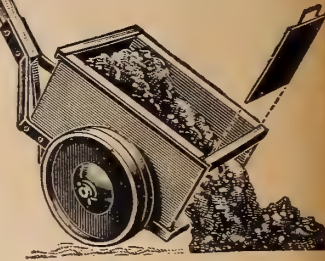
WHEELBARROW

Deluxe Handa Special Garden Wheelbarrow. The best low priced garden barrow with pneumatic tire, size of bed 27 x 18 x 14 inches. Wheel, 10 x 2 3/4 inch pneumatic cord ball bearing type. Weight, 40 lbs. Each, \$8.95.



MASTERS ALL STEEL ALL PURPOSE DUMP CART

Handy little wagon strongly built with heavy steel frame welded together. Lasts a lifetime. Takes the place of a wheelbarrow, but operates with greatest ease. Narrow enough to go through small door. Hauls heavy loads of earth, sand, gravel, bricks, stones, coal, ashes, vegetables, manure, potted plants, sods, shrubbery, etc. Just what every gardener and home owner needs. Price, each, \$9.75; with Pneumatic Tires, \$19.75.



NEW HANDY SEEDER

This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time because you can sow seeds twice as fast. Price, each, 50c, postpaid.



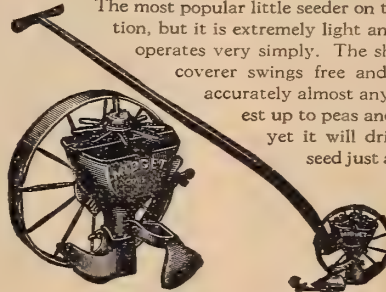
SOWRITE SEEDS SOWER MODEL B

SOWS SEEDS AT A TOUCH
SOWRITE Model 1923. Made of copper, nickel plated, for all seeds up to size of sweet peas; scatters seed individually; prevents crowding and choking of seedlings; eliminates guess work because you can see each seed drop no matter how fine; saves time because you can sow seeds twice as fast. Price, 50c, postpaid.



MIDGET SEEDER WITH HANDLE

The most popular little seeder on the market. It is all metal construction, but it is extremely light and easy to lift about or to empty. It operates very simply. The shoe is adjustable for any depth, the cover swings free and does its work nicely; will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full. It is equipped with a 4 1/2-foot handle. Full directions attached to every Seeder.



Price, \$4.85

BASKET-MAKING MATERIALS

Add postage to your order if to go by mail. The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors: dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

	Bunch	Lb.	5-lb. Lots, Per Lb.
Natural, Best Grade, about 2 oz.....	\$0.15	\$0.55	\$0.50
Colored, about 1 oz.....	.15	.95	.90
Needles, for Raffia work, per package.....			.15

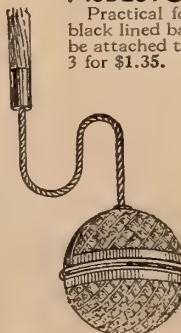
Reeds White Prime the Best Quality

Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work. All numbers below, per bunch, 15c.

No.	5-lb. Lots,			No.	5-lb. Lots,		
	1/2-lb.	Lb.	Per Lb.		1/2-lb.	Lb.	Per Lb.
No. 1.....	\$0.50	\$0.90	\$0.85	No. 5.....	\$0.33	\$0.60	\$0.55
No. 2.....	.45	.85	.80	No. 6.....	.30	.55	.50
No. 3.....	.40	.75	.70	No. 7.....	.28	.50	.48
No. 4.....	.35	.65	.60	Flat Reed, 3/4-inch	.38	.70	.65
				Split Reed, No. 6	.38	.70	.65

ASBESTOS TORCH

Practical for burning caterpillars, worms and other tree pests. It is a black lined ball, filled with asbestos fibre, so constructed that it can easily be attached to any pole. Dip the torch in kerosene and light. Each 50c; 3 for \$1.35.



SEED SOWER

Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, \$2.75.



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Asters*



ASTER Harrington's Pink.

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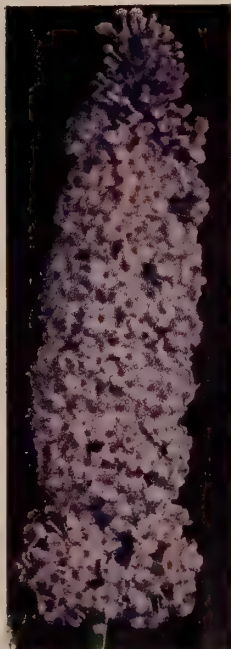
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Hartwegi.



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New hybrid hemerocallis have become dominant summer border flowers. Taller, with larger flowers and new colors, they are as vigorous and free flowering as the older varieties.

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Fulva Kwanso Fl. Pl. 3 ft. July-August. Orange shaded crimson double.

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First Yellow Gaillardia

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POTERIUM Obtusum.



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Colorado. M. Deep salmon pink, darker center. 3 for \$1.25; doz., \$4.00.

Daily Sketch. M. Immense flowers, light salmon pink with carmine eye. 3 for \$1.25; doz., \$4.00.

Harvest Fire. M. Large heads, flaming salmon orange. 3 for \$1.50; doz., \$5.00.

Emain Macha. D. Most vivid of fiery red phloxes. Large blooms. Good foliage. 3 for \$1.50; doz., \$5.00.

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Champs Elysee. D. Dark purple. 3 for 85c; doz., \$2.50.

Enchantress. M. Bright salmon-pink with lighter center. 3 for \$1.00; doz., \$3.50.

Europa. M. Large white florets with faint red center. 3 for 85c; doz., \$2.50.

E. I. Farrington. M. Delightful salmon shade with lighter eye. 3 for 85c; doz., \$2.50.

Flora Reidy. M. Pure white. 3 for 85c; doz., \$2.50.

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Miss Lingard. T. (Suffruticosa.) Earliest white. 3 for 85c; doz., \$2.50; 100, \$15.00.

Mrs. Milly Von Hoboken. T. Bright pink, faint mauve suffusion. 3 for \$1.00; doz., \$3.50.

Painted Lady. T. Soft silvery pink with red eye. 3 for 85c; doz., \$2.50.

Royal Purple. T. Light purple. Strong grower. 3 for 85c; doz., \$2.50.

Starlight. M. New. Bright mauve with star-shaped white center. 3 for \$1.00; doz., \$3.50.

Thor. T. A splendid variety of a lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow. 3 for 85c; doz., \$2.50.

Von Hochberg. M. Large size blood-red blooms. The best deep red. 3 for \$1.50; doz., \$5.00.

See Page 85 for Creeping and other Phlox.

New Shasta Daisies



CHRYSANTHEMUM Chiffon.



RUDBECKIA The King.



GIANT SHASTA DAISY Admiral Byrd.

Chiffon. 2 ft. The flowers, 2 inches across, have fringed and lacinated petals, interlaced, see picture. Long flowering period. Needs winter protection. Each, 45c; 3 for \$1.25; doz., \$4.00.

Admiral Byrd. 2½ ft. Giant blooms, 5 inch diameter with double row of frilled petals. Very hardy. Each, 45c; 3 for \$1.25; doz., \$4.00.

Esther Reed. Rare ever-blooming double variety, developed in Europe. Snow white blooms, 4 inch diameter on 15 inch stems. Needs winter protection. Each, 75c; 3 for \$2.00.

Giant Double. Double Shasta Daisies produced from a selected strain of seed. Large flowers on stout stems ranging from semi-double to full double. Each, 35c; 3 for \$1.00.

Chrysanthemum Supreme. Outstanding new variety. Low, bushy foliage, strong, medium height stems with large flowers. Very hardy, blooms freely. 3 for 85c; doz., \$2.50.

Rare Coneflower "The King"

Rudbeckia The King is the forerunner of a race of new coneflowers. A scarce European introduction of considerable value. Habit of growth similar to ordinary species but daisy shape blossoms are larger, petals are held erect and color is distinct wine-red with large brown center cone. Flowers have long life, often remaining on the stems three weeks. 3 ft. July-Sept. Each, 50c; 3 for \$1.50.

RARE BLUE DAISY

Erigeron Amos Perry. Compact growth. Large sky-blue daisies on 18-inch stems all summer. Plants, each, 50c; 3 for \$1.50; doz., \$5.00.

NEW FALL BLOOMING PINK DAISY

Chrysanthemum Clara Curtis. New late blooming pink daisy, perfectly hardy. Hundreds of salmon-pink flowers, 3 inches diameter, in late August from plants two years old. Each, 50c; 3 for \$1.50.

BLUE DAISY FOR SPRING

Aster Star of Eisenach (Wartburg Star). Bright lavender-blue daisies with yellow central disc two inches or more in diameter. Compact mounds of foliage, flowers produced in May. Each, 35c; 3 for \$1.00.

CHRYSANTHEMUM ASTRID

Introduced four years ago and proved to be an ideal garden daisy. Makes large clumps of glossy green foliage which produce hundreds of shell-pink daisies 2 in. in diameter in late September. Very suitable for cutting. Each, 35c; 3 for \$1.00.

VIVID PINK PHYSOSTEGIA

Physostegia Grandiflora "Vivid." 20 in. It blooms three weeks later than the other Physostegias; the individual flowers are larger and of a deeper, more vivid pink, and they last a long time when cut. Stocky, many branched plants, producing heavy bloom for several weeks. Plants, 3 for 85c; doz., \$2.50.

Best of the New Cannas

CHOICE CANNAS

Copper Giant. 4 ft. The finest variety we know. Its giant flowers borne on strong stalks with green foliage are of a vivid hue, with great carrying power, of madder red and old rose with a suggestion of burnished copper in the mass effect. It blooms continuously throughout the season.

Improved Florence Vaughan. 4 ft. Rated finest of all yellows. Large lemon-yellow flowers, faint red dots, luxuriant green foliage.

Louis Cayeux. 4 ft. Brilliant rosy scarlet. Large trusses. Showy and attractive variety. Green foliage.

Mrs. Herbert Hoover. 5 ft. A strong growing variety, ideal for a heavy effect. Giant watermelon-red in massive trusses on large vigorous plants. Foliage a glossy green.

Sungold. 4 ft. Very bright and vivid Chinese orange with golden yellow border. Green foliage. The most vivid orange Canna.

Timbuctoo. 4 ft. Very bright free-flowering yellow which does not fade in the sun. Green foliage.

All Canna plants F.O.B. our Greenhouses, Western Springs, Illinois. We recommend shipment by Express of four or more plants.



CANNA Copper Giant.

POPULAR CANNAS

Ambassador. 3½ to 4 ft. Bronze foliage; color, poppy red; very brilliant flowers.

Eureka. 4 ft. Free-flowering variety with striking white flowers which first appear cream. Green foliage.

Hungaria. 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.

King Humbert. 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years.

The President. 4 ft. A rich glowing scarlet on strong stalks; green foliage.

Yellow King Humbert. 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red. An orchid flowering sport of the well-known variety King Humbert.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 15c each; \$1.50 per doz., \$10.00 per 100.

THREE-INCH POT PLANTS. Available April 20 to June 5; 25c each; \$2.50 per doz., \$16.00 per 100.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 20c each; \$2.00 per doz., \$12.00 per 100.

THREE-INCH POT PLANTS. Available April 20 to June 5; 30c each; \$3.00 per doz., \$20.00 per 100.

PENNISSETUM CUPREUM

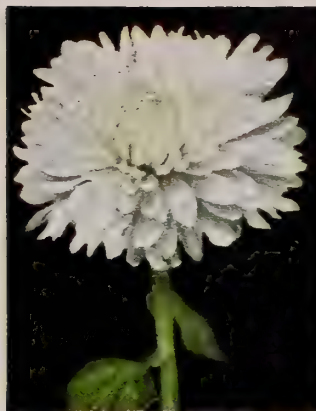
The bronzy, ornamental Grass that attracted so much attention at A Century of Progress. Needs rich soil and sunny location. Plants, 35c each; doz., \$3.00; 100, \$20.00.



CHRY. Otsego, Each, 40c.



CHRY. Sunkist. Each, 30c.



CHRY. Tasiva. Each, 30c.



CHRY. Rapture. Each, 30c.

Hardy Garden Chrysanthemums

NEW KOREAN MUMS

Hardy single daisy chrysanthemums first introduced in 1934. Numerous new varieties have added to the charm, coloring and abundant flowering of this new race of hardy mums.

Arcturus. Massive amber yellow blooms. faint carmine suffusion.

Clio. Dwarf type. Carmine rose duplex flowers.

Hestia. Big rose pink blossoms. faint white halo.

Lovelight. Large pale pink duplex daisy. Excellent growth.

Orange Wonder. Vigorous, dark coppery orange.

Pink Lustre. Massive orchid pink flowers, 3-inch diameter. Blooms early.

Rosamund. Duplex or semi-double petals. Pale violet rose.

Saladin. Heavily petalled daisy-like blossoms. 3 in. diameter. Oriental red with coppery tones.

Sappho. Bright lemon-yellow. Dwarf type. Blooms early.

Saturn. Sparkling orange bronze, thin halo of light orange.

Vesta. Showy deep orange blooms.

Any of above: 35c each; Any 3 for \$1.00.

COLLECTION 116: THE SET OF 11 PLANTS \$275 (Postage Extra) FOR

PINCH BACK YOUR MUMS

To make garden chrysanthemums bushy, covered with flowers, pinch off the tops of all stems twice before they attain the height of 10 inches. After the ground freezes give a liberal covering of hay, straw or leaves, to prevent premature thawing out during the winter and early spring.

COLORFUL GARDEN TYPES

Astrid. New Hybrid of 1936. 18 in. tall, literally smothered with large flesh-pink daisy-like flowers in early October. Extremely hardy.

Brilliance. Large semi-double, rich dark reddish bronze.

Crimson Splendor. Immense duplex blooms, crimson-maroon with bright yellow center. Early.

Elena. Large double light bronze.

Lady Lavender. 1939 Introduction. Large double silvery lavender blooms by Oct. 10. Each, 40c.

Mandarin. Large double, in a charming blend of coral, salmon, copper and bronze. Each, 40c.

Marisa. 1935 Introduction. Bushy plant, large single orange bronze flowers.

Mrs. Sam P. Rotan. Big fluffy double golden yellow shaded to deep orange.

Rapture. Outstanding large double terra-cotta, shaded carmine, orange and bronze.

Sonoma. Double bronze. Gold tipped petals.

Sunkist. Medium size double bright orange flowers.

Symphony. Double flowers, 3 in. diameter, in mauve, rose, lilac and coppery shading. Each, 40c.

Tasiva. Semi-dwarf growth. Fluffy double white flowers borne early and profusely.

The Moor. Large full double flowers of deep wine purple.

Price, except where noted, 30c each.

COLLECTION 116A: ONE EACH OF ABOVE \$375

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BUTTON OR POMPON TYPE

Irene. Solid white medium button. Very hardy.

Jewell. Stout full button. Dark orchid pink.

Pygmy Gold. Dwarf growth, covered with round golden pompons. 1 in. diameter. Blooms in Sept.

September Bronze. Early light bronze pompon. One of the best.

Sonny Boy. Slightly larger and a shade darker than September Bronze.

Any of above: 30c each; Any 3 for 85c.

COLLECTION 116B: THE SET OF 5 PLANTS \$125

(Postage Extra) FOR

CUSHION OR AZALEA-LIKE MUMS

Amelia. Known as Azalea-like mum. Very dwarf and early. Forms large mound covered with many medium size double light pink blooms. Each, 30c.

King Cushion. Habit of growth same as Amelia. Very dwarf and early with light bronze flowers. Each, 30c.

Queen Cushion. True Azalea type. Very dwarf and early. Medium size double white flowers. Each, 30c.

Yellow Cushion (New). A yellow form of the cushion type which is a perfect match for the other colors. Foliage, flowers, growth and hardiness are the true Azalea type. Color a dark lemon-yellow. Each, 50c.

COLLECTION 116C: ONE EACH OF ABOVE \$110

(Postage Extra).....

GOVERNMENT VARIETIES

Developed by United States Department of Agriculture, the following new varieties have low bushy growth, and are free blooming. They show bloom Sept. 10th to 20th. Seminole and Geronimo are much earlier. All are dwarf type and hardy.

Amoskeag. Semi-double light bronze.

Barnegat. Medium, semi-double lemon-yellow.

Geronimo. Double bronze with buff tones.

Manantico. Semi-double pale rose with yellow center.

Muskogee. Semi-double purplish-rose, slight yellow central disc.

Otsego. Double rosy pink, showing small yellow center.

Passumpic. Double pale blush pink.

Seminole. Double fluffy pure white. Extra early.

Any of above Government Varieties, 40c each; 3 for \$1.00.

COLLECTION 116D: ONE EACH OF THE 8 GOVERNMENT VARIETIES (Postage Extra), \$225



CHRY. Elena. Each, 30c.

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Better
Perennials

\$275

(VALUE \$3.75)

ONE EACH OF THE FOLLOWING :

Anchusa Myosotidiflora (Forget-me-not Anchusa); Anthemis Perry's Variety (Hardy Yellow Daisy); Armeria Bees Ruby (Giant Red Thrift); Aster Skylands Queen; Campanula Persicifolia (Peach-leaf Bell Flower); Delphinium Indigo; Erigeron Amos Perry (Hardy Blue Daisy); Chrysanthemum Maximum Supreme (Giant Shasta Daisy); Physostegia Vivid (Dwarf False Dragon Head); Gaillardia Burgundy (Red Gaillardia); Trollius New Hybrids (Asiatic Buttercup); Violet Rosina (Pink Sweet Violet).

Descriptions of the above will be found on the Perennial Pages of this catalogue. (See Index).



CHRY. September Bronze. Each, 30c.



ROSE MCGREDY'S IVORY

GREAT improvements are being made in roses. If you have not tried the newer ones, their vigor, resistance to adverse conditions and productiveness will surprise you. All the varieties in this offer are of the new type, some are the very latest to make their debuts, others have been out for a few seasons, but are still unsurpassed in their color. Plant dormant plants as early as you can, and if you must plant late, use our hardened pot plants, ready to ship in bud, May 1.

Everblooming Hybrid Tea ROSES

6 FOR \$3.75

- 6 Hybrid Tea Rose Plants 2 YEAR DORMANT, Our Selection (Value \$5.20). Prepaid 300 Miles. **\$3.75**
- 6 Hybrid Tea Rose 2 YEAR POT PLANTS, Our Selection (Value \$6.00). By Express Collect. **\$4.85**
- 12 Hybrid Tea Roses, 2 YEAR DORMANT, one each as listed (Value \$10.40). Prepaid 300 Miles. **\$6.50**
- 12 Hybrid Tea Roses, 2 YEAR POT PLANTS, one each as listed (Value \$12.60). By Express Collect. **\$9.00**

Condesa de Sagato. Everyone liked this spectacular rose with its cupped flowers of fiery copper on the inside and yellow on the reverse. Strong grower with heavy foliage; fragrant, free flowering. Dormant plants, 85c; pot plants, \$1.00.

Cynthia. A superb new variety which we know will please every Rose lover. The exceptionally well-formed buds are on stiff stems and open into full double flowers of a rich glowing oriental red or brilliant carmine. A vigorous grower and an outstanding cut flower variety. Dormant plants, 85c; pot plants, \$1.00.

Editor McFarland. Perfectly formed, lasting, brilliant rose-pink flowers, excellent for cutting. Its vigorous growth, healthy foliage and abundance of fragrant bloom make it most dependable. Dormant plants, 85c; pot plants, \$1.00.

Etoile de Hollande. A brilliant dark red rose of magnificent size and perfect form. Vigorous grower; heavy bloomer; flowers deliciously fragrant and beautiful in all stages of development. Dormant plants, 75c; pot plants, 95c.

Golden Dawn. Noted for its quantity of bloom and considered the finest light yellow garden rose. Buds lemon yellow, splashed with carmine, open to great big fragrant flowers of pale straw yellow. Bushy, vigorous grower, bronzy green foliage. Dormant plants, 75c; pot plants, 95c.

Hinrich Gaede. Here is one of the most spectacular roses in existence, and it succeeds well everywhere. Long pointed, Nasturtium-red buds and big double blooms of rich luminous vermilion shaded golden yellow. Fine plants with beautiful, glossy foliage. Fruity fragrance. Dormant plants, 85c; pot plants, \$1.00.

McGredy's Ivory. "The perfect white Rose." Its long pointed, perfectly shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. The plants are vigorous, have good foliage and produce quantities of long-lasting, moderately fragrant, perfect Roses. Dormant plants, \$1.00; pot plants, \$1.20.

Mme. Joseph Perraud. One of the most gorgeous Roses in existence with enormous, perfectly formed Nasturtium-orange buds, which open to sweetly fragrant flowers of a charming Nasturtium buff, straying to a lovely shade of shell pink. An excellent flower for both garden and exhibition purposes. Blooms heavily all season. Dormant plants, \$1.00; pot plants, \$1.20.

Pink Dawn. Full double flowers of glistening rose-pink, changing to soft pink with a gold base. Buds are extra long, and are excellent for cutting. Should be very popular as it blooms freely and has the vigorous growth of the Radiance Roses. Dormant plants, \$1.00; pot plants, \$1.20.

Mrs. Pierre S. Du Pont. One of the most continuously blooming roses grown and winner of more medals than any other outdoor rose. Long pointed, reddish gold buds opening into exquisitely formed flowers of dark golden yellow that holds well. Compact bushes with glossy, healthy foliage. Dormant plants, 75c; pot plants, 95c.

President Herbert Hoover. Its deep copper red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of cerise-pink and rich cream veined with scarlet. Superb buds; large flowers, lasting well; long stems—in fact every detail of this excellent rose adds to the beauty that has made it so popular. Dormant plants, 75c; pot plants, 95c.

Rouge Mallerin. A vivid red rose with petals like scarlet velvet. Its pointed buds open to long-lasting, full double blooms of rich glowing scarlet which does not fade or blue in the sunshine. Strong vigorous grower. Rich old damask perfume. Dormant plants, \$1.00; pot plants, \$1.20.

Quantity Prices as Follows:

Each	Three	Doz.
\$0.75	\$2.00	\$7.50
.85	2.25	8.50
.95	2.60	9.50
1.00	2.70	10.00
1.20	3.30	12.50

After April 15th it may be necessary to change this collection. See Pages 94, 95 for Complete List of Roses, including New Patented Varieties.

Amaryllis



Largest of flowers which are easily forced indoors, our new hybrids are gorgeous in size and coloring.

Vaughan's New Hybrids. Mixed. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains.

AMARYLLIS

	Each	Doz.	100
2-2½ in. Dia.....	\$0.30	\$3.00	\$22.50
2½-3 in. Dia.....	.45	4.50	30.00
3-3½ in. Dia.....	.55	5.50	40.00

APIOS Tuberosa

Splendid hardy climber. Color chocolate brown, fragrant. 2-4 bulbs should be planted together at a depth of 3-4 inches. Grows best in loose rich soil.

Price, each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

Begonias



DOUBLE BEGONIA

Tuberous Rooted—Unexcelled for summer bedding. When fully exposed to the sun the beds must be kept moist. All prepaid.

Crispa Single—Red, orange, yellow, rose, white. Large flowered.

1½-inch. Each, 25c; doz., \$2.50;

- 100, \$18.00.
- 2-inch. Each, 30c; doz., \$3.00; 100, \$22.50.
- Camellia Flowered Double—Red, yellow, rose, white, orange.
- 1½-inch. Each, 25c; doz., \$2.50; 100, \$18.00.
- 2-inch. Each, 30c; doz., \$3.00; 100, \$22.50.
- Carnation Flowered or Frilled—Same colors as above.
- 1½-inch. Each, 25c; doz., \$2.50; 100, \$18.00.
- 2-inch. Each, 35c; doz., \$3.50; 100, \$25.00.
- Fragrance—A fragrant Begonia. Single flowers of deep pink. The fragrance is distinctive and pleasing.
- Each, 35c; doz., \$3.50.
- Pendula—Used in hanging baskets. Each, 25c; doz., \$2.50; 25 for \$4.50. Double blooming, many fine pinks.
- Narcissus-Flowered in Mixture. Inner petals joined into a large semi-double or single corona with petals elegantly crimped at margin. Each, 30c; doz., \$3.00; 25 for \$5.50.

Summer Flowering Bulbs

Golden Yellow CALLA LILY

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well even in full shade outside for foliage effect all summer besides blooming.

Bulbs. 2-2½-inch, each, 20c; doz., \$2.00; 100, \$15.00. 2½-3-inch, each, 30c; doz., \$2.75; 100, \$20.00.

CALLA LILY

(Richardia Maculata)

Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 20c; doz., \$2.00; 100, \$15.00.

CHLIDANTHUS Fragrans

Chlidanthus Fragrans (The Gold Flower). Produces clusters of from two to four golden yellow, trumpet-shaped flowers that are delicately fragrant. Handle in the same manner as gladioli.

Price, each, 10c; doz., \$1.00; 100, \$7.00, prepaid.

CINNAMON VINE

(Dioscorea Batatas)

Well-known hardy climber; quick grower. Large Roots, 3 for 40c; doz., \$1.50; 25 for \$2.50, prepaid.

CALADIUM Esculentum

Elephant's Ear—Good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz.

Price, 3 for 25c, prepaid; doz., 90c; 25 for \$1.50; not prepaid.

Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz.

Price, 3 for 40c, prepaid; doz., \$1.50; 25 for \$2.50, not prepaid.

Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz.

Price, 3 for 75c, prepaid; doz., \$2.50; 25 for \$4.50, not prepaid.

Gloxinias

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

Dark Blue with white throat

Pink, white throat

Scarlet with white band

Deep Violet with white band

Violet Blue, Blood Red.

Each, 35c; 3 for \$1.00; doz., \$3.50.



GLOXINIAS

Hyacinthus Candicans

(Galtonias)

Summer Hyacinth—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.



HYACINTHUS GANDICANS

Price, First Size, each, 15c; doz., \$1.25, prepaid; Selected Size, each, 20c; doz., \$2.00, prepaid.

Ismene Calathina



ISMENE CALATHINA

(Peruvian Daffodil)

Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy. Price, each, 20c; doz., \$2.00, prepaid.

LILY OF THE VALLEY

Large Clumps—For outdoor planting, we especially

recommend clumps, as they are more quickly effective. These do best in a shady moist place. Each, 65c; doz. \$5.00; prepaid.

MADEIRA VINE

One of the best and most popular climbers for foliage effect. Price, 3 for 25c; doz., 90c; 25 for \$1.50, prepaid.

MONTBRETIAS

Plant Early

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains many bright shades of yellow, salmon, orange, and scarlet.

They do best in a light loamy soil enriched with leaf mold and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply.

Special Mixed. Price, each, 10c; 3 for 25c; doz., \$1.00; 100, \$6.50, prepaid.

Earlham Large Flowered Hybrids They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches.

Special Mixed. Each, 20c; doz., \$1.75; 100, \$12.00, prepaid.

Milla Biflora



MILLA BIFLORA

New introduction from Mexico, where it is called Estrellitas, or Little Stars. Showy white flowers, opening out flat, waxy in texture, about two inches in diameter, with six petals not quite separated. The stems are wiry, 12 to 18 inches tall, bearing two

to seven flowers each. Very free blooming from July to September. Flowers cut well and have a pleasant lily-like fragrance. Should be dug in fall, except in milder climates.

Each, 15c; doz., \$1.50; 100, \$10.00.

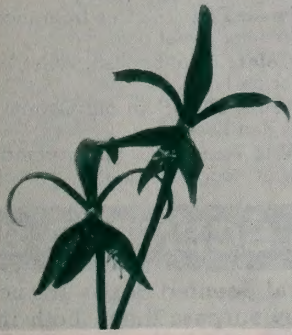
OXALIS

Summer-Flowering—Useful little plants, very effective in masses or beds and particularly valuable for edgings. They produce an unbroken row of foliage about one foot high in continuous bloom. Very fine to grow in hanging baskets indoors. The colors are white, red, pink. Price, either color, doz., 30c; 25 for 50c; 100 for \$1.75; prepaid.

Sprekelia

Formosissima (Jacobean Lily)

Closely allied to the Amaryllis, bearing showy brilliant crimson flowers. Dormant bulbs planted in the border early in May will flower within 3 or 4 weeks after planting, or they may be flowered as pot plants in the house during the early spring months.



SPREKELIA

Large Size—Each, 25c; doz., \$2.50; 100, \$18.00.

Bulbs Shipped Separately from Seed

Because of weather conditions during January, February and early March, we prefer to send out bulbs after March 20th except to customers in the south or California, to whom we ship at once, packed against freezing. Customers should open the package upon arrival and if bulbs can not be planted at once they should be placed in a dry and frostproof cellar until ready to plant.

Summer Flowering Bulbs

Tuberoses Double

(Polianthes Tuberosa)

Mammoth Bulbs—Each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

First Size—Each, 10c; doz., \$1.00; 25 for \$1.50, prepaid.

Second Size—Price, doz., 50c; 25 for \$1.00, prepaid.

Mexican (Single)—They have tall, stiff stems, flowers pure white, single; true tuberosa fragrance.

Price, doz., 50c; 25 for \$1.00, prepaid.



TUBEROSES

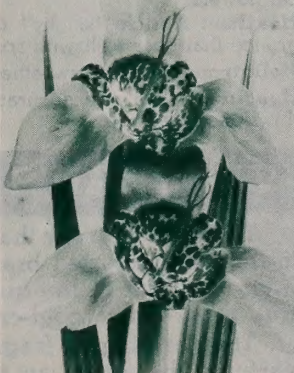
Excelsior Dwarf Pearl Double

Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier.

Tigridia

(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft.



TIGRIDIA

	Each	Doz.	100
Scarlet.....	\$0.15	\$1.50	\$10.00
Yellow.....	.15	1.50	10.00
Orange.....	.15	1.50	10.00
Light Pink.....	.20	2.00	15.00
Rose.....	.20	2.00	15.00
White.....	.20	2.00	15.00
Mixed. Price, each, 15c; doz., \$1.50; 100, \$10.00, prepaid.			

CROCUS FALL FLOWERING

Ready in August

Speciosus. Deep blue.

Zonatus. Soft lilac.

Doz., 50c; 100, \$3.50, prepaid.

Fairy Lily

Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida—Pure white and the most profuse bloomer of all.

Price, doz., 50c; 25 for 80c; 100, \$3.00, prepaid.

Rosea—Beautiful clear rose; flowers large and very handsome.

Price, each, 15c; doz., \$1.25; 100, \$8.00, prepaid.



ZEPHYRANTHUS

BULBS FOR DELIVERY June, July and August

Resurrection Lily

(Amaryllis Hallii) (Lycoris Squamigera) For Outdoor Planting

Produces in early spring attractive green foliage which grows until May when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—As the bulb is perfectly hardy without any protection it can be planted either in the fall or spring, but we consider fall best. Cover the crown about four inches. Each, 75c; doz., \$7.50.

Lycoris Radiata

A coral red Spider Lily. Bulbs planted 5 inches deep July 15th bloomed September 4th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March. After the foliage dies down the bulb is dormant and sends its blossom up in August or September, lily shaped flowers of orange-red.



LYCORIS RADIATA

Each, 25c; doz., \$2.50; 100, \$18.00.

STERNBERGIA LUTEA

These bulbs planted about 4 inches deep July 15th bloomed from August 7th to September 7th. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection.

Each, 20c; doz., \$1.75; 100, \$12.00.

The Fragrance of Your Favorite Flower

Vaughan's Natural Floral Perfumes, Dram 50¢

Thousands of women, deprived of their favorite imported brands of fine floral perfumes by war conditions, have been surprised to find in this line of American-made fragrances a quality which could be compared directly with the best of these imported products.

What has been more surprising to them, however, has been the fidelity with which they recreate the actual fragrance of the flower itself. As one woman expressed it, "Fresh as a flower is no longer a poetic phrase: I feel as though I am actually smelling the flower itself."

We particularly recommend the bouquet types to women who are accustomed to using the better brands of fine French bouquets.

THE FOLLOWING ODORS ARE AVAILABLE IN EITHER COLOGNE OR PERFUME

(Cologne is about one-eighth the strength of perfumes (about double the strength of ordinary toilet water). It is used wherever a perfumed lotion is wanted—in the bath, on linens, or as a refreshing lotion in hot weather.)

Appleblossom: Soft, yet fresh and clean.

Bouquet S: A delicately feminine blend of rich floral oils that in France and America is accepted as the leading type of odor in the better shops.

Bouquet X: Another blend, slightly "drier" and less sweet. An exotic fragrance preferred by women accustomed to the better French perfumes.

Carnation: Many acknowledge it as the best recreation of this beloved old favorite.

Forest Breeze: A smoky, piney fragrance—the scent of a pine forest on an autumn day.

Frangipani: A rich, sweet odor similar to Jasmine. Loved for centuries. The red "Jasmine" of Bermuda.

Freesia: We are proud to have captured the elusive scent of this delicate flower.

PERFUME PRICES

1 Dram.....	50c	1 Ounce.....	35c
2 Drams.....	90c	4 Ounces.....	1.00
½ Ounce.....	1.60	½ Pint.....	1.85
1 Ounce.....	3.00	1 Pint.....	3.00

(An ounce contains eight drams)

These prices postpaid to any point in the United States. Prices are based on plain containers. Gift Box included.

COLOGNE PRICES



Jasmine: A favorite with women of refinement for centuries.

Lavender: The well-known English type, not sweet or "musky" like so many near-lavenders.

Lilac: Lilacs wet with morning dew. Fresh and leafy—our largest selling odor.

Lily of the Valley: At last, a satisfactory reproduction of this elusive scent.

Magnolia: The veritable fragrance of the Southern Magnolia—rich and lush.

Nicotiana: Reproduced with astonishing fidelity. The well-known "Sweet-scented Tobacco."

Parma Violet: A favorite for generations with women of wealth and refinement.

Red Rose: The Damask Rose type.

Sweet Pea: The true fragrance of the original Spencer sweet pea.

Violet: The English violet, softer than the Parma type.

White Rose: An old favorite—not as heavy as Red Rose.

Wild Rose: Like the breeze through a Sweet Briar hedge in June.

Gardenia: Not sweet like so many "Gardenia" perfumes—a rich, intense odor.

Geranium: Like a crushed leaf of the green plant.

Hawaiian Lei: A lovely blend of exotic tropical flowers.

Heather: A rich "smoky" or "peaty" fragrance that goes well with sport clothes.

Heliotrope: The true sweetness of the flower.

Hyacinth: The most accurate recreation of this flower we know.

VAUGHAN'S FLORAL SCENTED SOAPS

Today we can say that Vaughan's Floral Scented Soaps are not only equal to the best imported brands, but that they surpass them, both in trueness of fragrance and in the quality of stock from which they are made. They are true super-fatted, cold-cream soaps.

They are highly fragrant—when moistened, a single cake will pleasantly perfume the air of an entire room. The odors are of the same high quality as those used in our perfumes. We invite direct comparison with soaps selling at prices from three to ten times as high as these.

ODORS AVAILABLE ARE:

Carnation: A fresh, spicy odor—liked even by men who do not ordinarily care for scented soaps.

Blue Spruce: A soft fragrance of the pine type, but without any trace of the turpentine note of many pine soaps.

Geranium: The fresh, leafy odor of an old favorite.

Jasmine: A fine recreation of the odor of this flower.

Lemon Verbena: The fresh, lemony fragrance of the tender green tips of this beloved plant.

Lavender: Soap experts tell us that this is the only soap they have smelled which retains a fresh lavender character after milling. Outstanding.

Lilac: Specialists tell us that this is the only soap available today which can be compared to the Lilac formerly turned out by a famous foreign firm which was considered the best in the world. True Lilac wet with dew.

PRICES: 3 oz. cake, 18c (add 3c for postage); 6 oz. cake, 35c (add 6c for postage).

New Creations

Dram, \$1.50; Ounce, \$10.00.

We take pleasure in offering this group of highly individual, specially blended odors, which while not exactly matching the perfume of particular flowers, do express the enchanting fragrance of gardens and woodlands.

Garden Night: A rich, luxurious odor that is particularly appropriate for evening wear, especially blended for a glamorous radio star.

Morning Fresh Bouquet: A dewy, ferny fragrance, for daytime wear, which expresses springtime, youth, and beauty. It has won wide acceptance among young women of good taste.

Song of the Heart: Made from the formula compounded for the wife of one of the world's leading perfumers, this is a dry, woody fragrance with no trace of sweetness, yet definitely not heavy. A perfume of unusual distinction.



DELPHINIUM
Pacific Hybrids
the World's Best Strain

This scientifically bred group of hardy delphiniums, pronounced by expert judges as the world's best, has now been developed into definite named color strains. Huge florets as illustrated are well spaced on tapering 5-foot spikes. Plants are 65% mildew resistant.

- 7559A Blue Jay. Medium to dark blue, dark bee.
- 7560 Galahad. Clear white.
- 7560A Lancelot. Lilac with white bee.

- 7561 King Arthur. Royal violet, white bee.
- 7561A Guinevere. Light pink lavender, white bee.
- 7562 Summer Skies. Light blue, white bee.
- 7562A Clear White, of glistening texture.

- 7556 Dark Blue Shades.
- 7557 Light Blue Shades.
- 7558 Pastel Shades.
- 7558A Mixed.

Above, packet, \$1.00.

Above, packet, 75c.

Above, packet, 50c.

Plants from 2 1/4 inch pots of Galahad, Guinevere, Summer Skies, Blue Jay, King Arthur. Each, 30c; 3 for 85c; doz., \$3.00.
 Field roots of Pacific hybrids, mixed. Each, 35c; 3 for \$1.00; doz., \$3.50. If by mail add: 1 plant, 5c; 3 plants, 10c; per dozen, 25c.



RUBRUM
Each, 25c; Doz., \$2.50



UMBELLATUM
Each, 25c; Doz., \$2.50



TENUIFOLIUM
Each, 15c; Doz., \$1.50



REGALE
Each, 15c; Doz., \$1.50



PHILLIPINENSE
Each, 20c; Doz., \$2.00

Six Hardy Garden Lilies, LARGE BULBS \$1

One each of the 6 varieties illustrated: Rubrum, Umbellatum, Tenuifolium, Regale, Phillipinense and Henryi, prepaid 600 miles for \$1.00.

These varieties are hardy, vigorous and lasting, true "flowers of the field" and if planted in a well drained location, in mellow soil, will grow and multiply, contributing to your garden picture for years.

Shipped at Your Planting Time.
See Hardy Lily Page for Descriptions of these Varieties.

One Each Variety Separately Bagged and Labeled, Prepaid	\$ 1.00
Two Each Variety Separately Bagged and Labeled, Prepaid	1.90
Six Each Variety Separately Bagged and Labeled, Prepaid	5.25
Twelve Each Variety Separately Bagged and Labeled, Prepaid	10.00



HENRYI
Each, 20c; Doz., \$2.00



POHATCONG



ALGONQUIN



ROBERTA COPELAND



GLOMERO



ACHIEVEMENT



KING MIDAS

Six Earliest Double Chrysanthemums, Catalogue Value \$2.45, Prepaid 300 Miles \$1.85.

One Each of the Varieties Illustrated above, as follows: Pohatcong, blooms Sept. 18, Each 40c; Algonquin, blooms Sept. 20, Each, 40c; Robert Copeland, blooms Sept. 24, Each, 45c; Glomero, blooms Oct. 1, Each, 50c; Achievement, blooms Sept. 18, Each, 40c; King Midas, blooms Oct. 9, Each, 30c. See also Page 116.