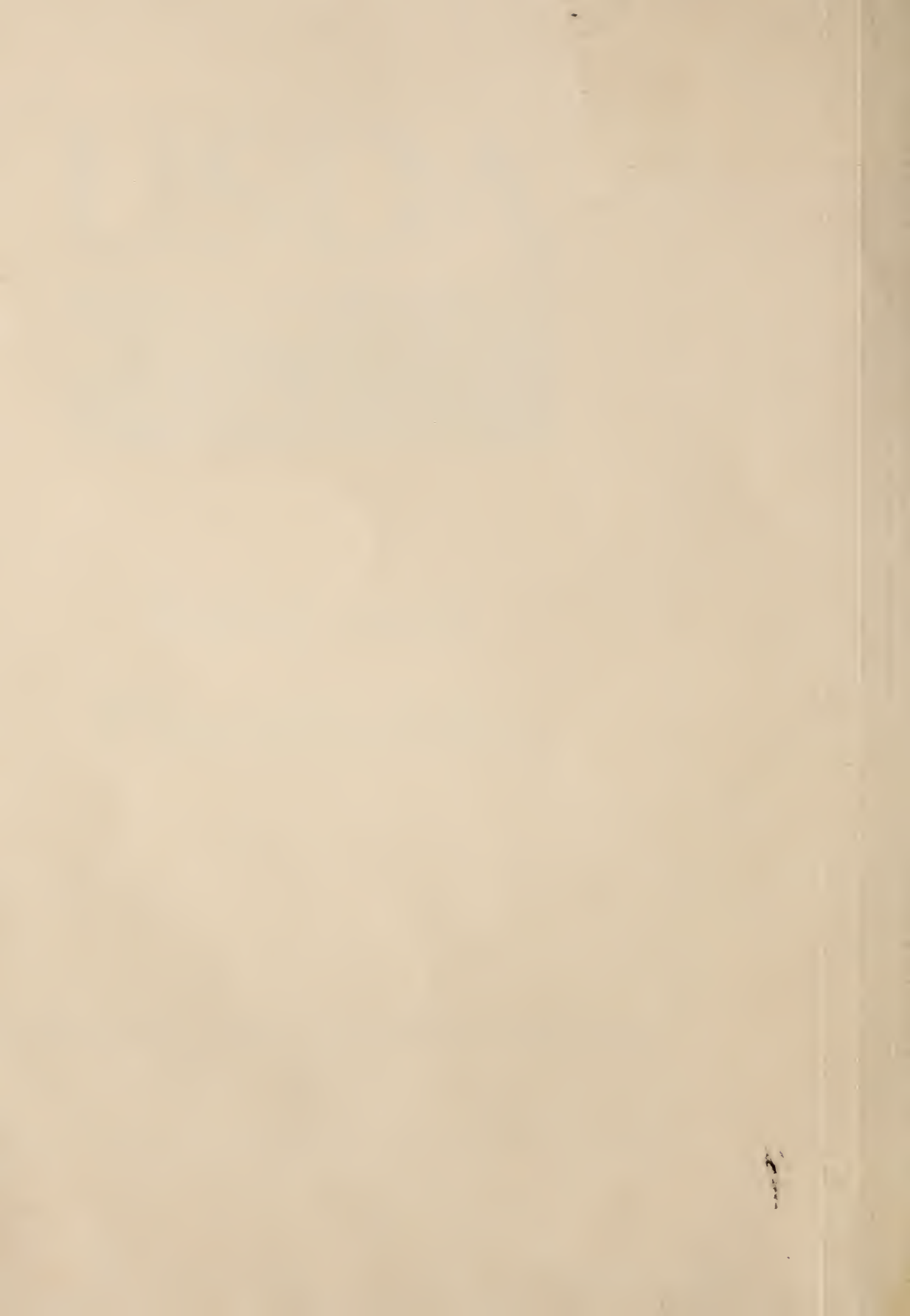


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The
W.W. BARNARD CO.
SEEDSMEN

231-235 W. MADISON ST.
CHICAGO, ILL.

SEEDS
BULBS
SHRUBS

Catalogue
1914



Petunia
Giant
owered

Table of Carefully Prepared Cultural Information for the Latitude of Chicago.

Soil Preparation and Suitable Fertilizer.	Amount of Good Seed (Average size). 1 oz. (or pint) average will sow:	To sprout, well the thermometer in the soil should read	Approximate date to plant seed.	Name of VEGETABLE	HOW TO BE PLANTED.			DEPTH to cover	THIN to ? Rich soil farthest apart	Time for crop to mature with season and sorts.	APPROX. YIELDED under conditions favorable with season and sorts.
					Drills	Hills	Transplant				
South slope. Sandy loam, well manured the previous year.	1 pint to 200 ft. 6-9 seeds to ft.	75°	May 15 to June 15	Bush Bean	2-3 ft.	.....	2 in.	4 in to 1 ft.	45-65 days.	75-120 bu. pods.
Warm, light soil. Manure in the hill with quick starter (blood or bone).	1 pint will plant 80 hills, 6 seeds each	80°	May 15 to June 15	Pole Bean	.....	4 x 4	2 in.	3-4 plants.	65-70 days.	75-100 bu. dry beans.
Fine, clean sandy loam, deeply stirred, rich with well rotted manure.	200 ft., 8 seed balls to a foot.	75°	Mar. 15 to Apr. 15	Beets, Early	13 to 18 in.	.....	1 in.	4 in.	65 days	400-700 bu., or 1000-1200 bu.
Not quite so rich, otherwise the same.	200 ft., 8 seed balls to a foot.	75°	Mar. 15 to Apr. 15	Beets, Late or field	2-3 ft.	.....	1 in.	6-8 in.	150 days.	15-70 tons.
Well drained, heavy loam. Plenty of manure. Top dress with sodium nit.	3000-5000 plants from seed bed.	70°	Mar. 15 to Apr. 15	Cabbage, Early	Seed bed	Set flats and open gr'd.	1/4 in.	.....	105 days.	8000 solid hds.
Less manure, but frequent, shallow culture. Nitrate of soda.	3000-5000 plants from seed bed.	70°	Mar. 15 to Apr. 15	Cabbage, Late	Seed bed or in field	2 ft. x 3 1/2	1/4 in.	1 in a hill.	150 days.	5000 solid hds.	
Loam, deep, fine, and free from weed seeds, well rotted manure.	300-500 ft. 30 seeds to ft.	70°	Mar. 15 to Apr. 15	Carrot	18 in.	.....	1/4 in.	3 in.	150 days.	10-40 tons. 400-700 bu.
As with cabbage, but needs a moist soil, frequently stirred on top.	3000-5000 plants from seed bed.	70°	Mar. 15 to Apr. 15	Cauliflower	Seed bed	Set into flats & open gr'd.	1/4 in.	.....	110 days.	5000-8000 hds.
Moist and very rich; fine and easy to work in "handling" the plants.	15000 plants from seed bed.	70°	Mar. 15 to Apr. 15	Celery	Moist seed bed	Set shade fl. well up.	Shallow	Row 3-4 ft. 6 in. in row.	55-70 days.	1000-1200 doz. green ears.	
Rather stiff, warm and rich, with quick acting (well rotted) manure.	50 ft. 3 grains to ft., 35 hills 6 to each	75°	May 1 to June 15	Corn Small and Early sorts	3 ft. or 2-4 ft. or	2 1/2 x 2 ft.	2 in.	3 in.	80-100 days.	1100-1300 doz. green ears.	
Heavy, moist soil, with coarser manure. Keep the surface well stirred.	50 ft., 2 to ft., 25 hills, 5 to 10 or 12 to hi l.	75°	May 1 to June 15	Corn Large and Late	.....	3 x 3 ft.	2 in.	3-4 per hill.	46-60 days.	150000 fruit.
Fall plowed, or sandy loam. Warm exposure. Manure extra in hill.	100 hills, 10 or 12 to hi l.	80°	May 20 to June 20	Cucumber, Pickle	.....	5 x 5 ft.	.....	.....	150-160 days.	8000-10000 fruits.
Warm soil and liquid manure. Stimulate with liquid manure.	2000-3000 plants.	80°	June 1 to July 1	Egg Plant	Seed bed	3 x 3 ft.	Shallow	.....	65 days.	15000-20000 Good hds.
Warm, light soil, rich with well rotted compost. Top dress with nit. of soda	1000 ft. row, 22 seeds to ft.	70°	Mar. 15 to Apr. 15	Lettuce	12-24 in.	Transp. t 1 1/2 x 1 1/2	1/4 in.	12 in. in row.	120-140 days.	6000-10000 ripe melons.	
Very warm and dry soil, fairly rich. Manure in hill to start quickly.	1-2 lbs. in drill, 1 1/2 lbs. use seed bed on size of seed.	80°	May 20 to June 20	Musk Melons	.....	6 x 6 ft.	1-2 in.	3 good plants.	120-140 days.	4000 ripe melons.
Melons need a quick manure in hill, and lat'r can feed on coarse material	12-15 hills, 10 seeds on size of seed.	80°	Mar. 15 to Apr. 15	Water Melon	.....	8 x 3 ft.	1-2 in.	8 plants.	135-150 days.	500-600 bu.
Fall plow, moist, very rich soil, free from weed seeds. Stir surface often from weed seeds.	300 ft., 20 to a foot. 46 for bulbs; 40-100 for sets.	65°	Mar. 15 to Apr. 15	Onion	14-20 in.	.....	1 in.	3-4 in.	40-55 days.	100 bu. pods.
Moderately rich, but light and warm. Use wood ashes or potash manure.	150 ft. row, 10 to ft. 150 ft. to pt., 10 to ft	65°	Mar. 15 to Apr. 15	Pea, Dwarf	38 in., double row	.....	2-3 in.	.....	60-75 days.	150 bu. pods.
Same - keep dust much by surface cultivation, moisture must be saved	100 ft. to 1 pint 9 peas to ft.	65°	Mar. 15 to Apr. 15	Pea, Climbing	4-5 ft.	.....	3-4 in.	.....	Season	500-800 bu.
Deeply stirred, mellow soil, rich with well rotted manure.	300 ft. drill, 20 seeds to ft.	70°	Mar. 15 to Apr. 15	Parsnip	2-3 ft.	.....	3/4 in.	6 in.	30-45 days.	.....
Sandy and well enriched. Quick acting manure (liquid form best).	150 ft. drill, 6 seeds to ft.	70°	Mar. 1 to Apr. 15	Radish	10-18 in.	.....	1/4 in.	1-3 in.	60-65 days.	800 bar
Any rich, well prepared soil. Dress with nitrate of soda.	100 ft. drill, 30 seeds to ft.	70°	Mar. 15 to Apr. 15	Spinach	12-18 in.	.....	1 in.	.....	.....	70000-900000 fruit
Fall plowed sod, warm and well drained.	25-30 hill, 10 seeds each.	85°	May 25 to June 25	Squash, Bush	.....	4 x 4 ft.	2 in.	plants to hill.	125 days.	6000 ripe squash.
Fall plowed sod, warm and well drained. Manure in hill to start quickly.	10-15 hills, 7 seeds each.	85°	May 15 to June 15	Squash, Running	.....	8 x 8 ft.	2 in.	3 plants.	60-70 days.	8-16 tons.
Well drained and warm. Not too rich for early sorts.	5000 plants.	80°	July and August	Tomato	Seed bed	4-5 ft. each way	1/4 in.	.....	60-65 days.	600-1000 bu.
New, sandy soil. No coarse manure. Ashes or potash salts good.	500 ft., 20 to a ft. 3 lbs. broadcast.	80°	.....	Turnip	15-30 in.	.....	1/4 in.	3-12 in.	.....	.....

General Rule - Cover seed equal to four times the smallest diam.

The W. W. BARNARD CO., Seedsmen

231-235 WEST MADISON STREET

Between Fifth Avenue and Franklin Street

CHICAGO, ILL.

Long Distance Telephone, Franklin, 635. Private Exchange in All Departments.

HAVING now been engaged in the seed trade for a quarter of a century, we desire to express to our friends and customers our appreciation of their loyalty by means of which this business has been developed from an humble beginning to one of extensive magnitude.

We take pleasure in handing you this catalog. It has been carefully constructed and is intended to act as an assistant to you in determining the particular varieties and kinds best suited for the purposes for which you will require them in the growing season now rapidly approaching.

INDEX

Please consult the index on page 96. It will not only save time, but annoyance.

For convenience, our goods are grouped by departments covering the pages as indicated: **Vegetable Seeds and Plants**, 5-31; **Farm Seeds**, 32-39; **Flower Seeds**, 40-63; **Summer Flowering Bulbs**, 64-69; **Plant Department**, including Hardy Perennials, Peonies, Climbers, Shrubs, Fruit and Ornamental Trees, etc., 70-85; **Garden Sundries**, including Lawn Mowers and accessories, 86-93; **Insect Remedies**, Sprayers, etc., 92-93; **Fertilizers**, 94; **Poultry Supplies**, 95.

CATALOG PLAN

EARLY ORDERING ESSENTIAL

Order early to insure a supply at planting time, for occasionally certain stocks are limited. Early placed orders assist us in filling and making prompt deliveries before the busy season opens in March, continuing through April.

CARE IN ORDERING

Care should be taken in making up your order to avoid errors. Write plainly, one item on a line, always inserting price. Use our regular order sheet. Additional ones supplied if asked for. Do not fail to name county, street and number, and R. F. D. route. Be sure to sign your name. Always keep a copy of order. You will find it worth while. Name express and freight office if different than postoffice.

REMITTANCE

Accompany order with Bank Draft, Express or Postoffice Money-order, or currency if registered. U. S. postage stamps in small denominations are acceptable. Do not send currency in ordinary mail; it is unsafe to do so.

PRICES

All goods handled by us being of **highest grade** and priced, we believe, as low as is consistent with their superior quality, we sell for **Cash** at the **Net** prices named throughout our catalog. Our quotations are based upon values prevailing at the time this book was assembled. We expect to maintain them throughout the season, but it must be understood that those on Seed Potatoes, Onion Sets, Grass and Clover Seeds, Seed Grain and Field Seeds, Fertilizers and Insecticides are subject to fluctuations depending upon market conditions and supplies, and are changeable without notice.

FORWARDING

Please state, when ordering, how we are to ship—by freight, express or parcel post. In absence of clear instructions we shall use our judgment, bearing in mind our customers' interests. We deliver, postpaid, in the United States, all seeds by the packet, ounce, and one-fourth pound. When larger quantities are to be mailed, add postage at the rate of eight cents per pound, fifteen cents per quart for peas and beans, ten cents for corn. We do not prepay freight or express charges on large lots.

SEEDS BY MAIL

Seeds, Bulbs, and Plants are not carried at Parcel Post rates. The rate of postage is eight cents per pound to any postoffice in the United States, and sixteen cents per pound to Canadian postoffices. Parcel post rates **do apply**, however, on the many other articles listed in this catalog.

SAFE ARRIVAL GUARANTEED

We guarantee safe arrival of all goods mailed amounting to one dollar or more. When merchandise does not reach you within a reasonable length of time, please advise so we may take the matter up with postal authorities. Include copy of order with your letter of advice, naming date and amount of remittance. Lost orders refilled or money refunded. A square deal to everybody.

ERRORS AND OMISSIONS

While we are not infallible, our system of filling and handling orders is such that few errors occur. When they do, we are always ready and willing to rectify. All we ask is that you notify us at once.

Flower Seed Novelties and Specialties

SOME improved and very desirable varieties of flowers which are not included in our general list are here brought to your attention. They are all very choice and well worthy a trial. We also give space to a few really good novelties which come to us from responsible growers. Descriptions of new varieties in whole or in part are those of the introducers. Illustrations are mostly from photographs.

See Pages 41 to 63 for General List of Flower Seeds

When ordering kindly use the numbers which precede each variety of flower seeds.



SWEET ALYSSUM, LILAC QUEEN



SINGLE JAPANESE ASTER

2401 **ALYSSUM, Sweet, "Lilac Queen."** Distinct new variety of the annual Sweet Alyssum with pure lilac flowers. The plants are of dwarf, compact, upright growth, and resemble, when in full bloom, a tiny Caudytuft. Equally as useful for carpet-bedding, or ribboning as the other white-flowering dwarf varieties. Pkt., 15c.

2396 **ASTER, Japanese Single.** These single Asters take front rank as cut flowers. The yellow center is encircled by a wreath of long, quilled petals, either white or delicate rose, making an uncommonly graceful flower. White, pkt., 15c.

2397 **Delicate Rose.** Pkt., 15c.

2391 **ASTERS, Hardy.** A beautiful strain of Michaelmas Daisies, bearing on tall stems in September and October handsome semi-double flowers of various shades from white to lilac and purple. Pkt., 15c.

2145 **ANCHUSA Italica.** H. P. 4 ft. A very beautiful variety with pale blue, star-shaped flowers from May until August. Desirable for borders, also for cut flowers. Pkt., 10c.

2069a **ANTIRRHINUM, Giant "Purple King."** H. P. 2½ to 3 ft. Very large flowers of a deep glowing purple. Pkt., 20c.

2156 **ARTEMISIA viridis, (Summer Fir Tree).** H. H. A. 4 ft. Rapid growing, graceful plant of pyramidal growth, with dark green feathery foliage. It may be grown as a pot plant for groups and borders, and also as an annual hedge in the same manner as the Summer Cypress, Kochia trichophyllæ. Its resistance to heat and drouth is remarkable. Its very easy culture makes this desirable. Pkt., 15c.

2292 **ASTER, "Pink Enchantress."** A new Aster of upright growth, producing long-stemmed, full, double flowers of a lovely pink color that does not fade. The petals are of medium length and very broad; those toward the center fold in, while those toward the outer edge stand out more and more, thus making the bloom develop its exceedingly large size. A great Aster. Pkt., 25c.

2807 **BELLIS Montrosa.** Pink. This is a strain of giant-flowering English Daisy. The color is pleasing.

2808 **Montrosa White.** Each plant produces 12 to 15 flowers that measure two or three inches across, carried on long strong stems. Pkt., 15c.



ASTER, PINK ENCHANTRESS

- 2518 **CANDYTUFT, Giant White Hyacinth Flowered.** Annual, 2 ft. This grand variety produces enormous spikes of bloom, resembling a white Hyacinth (see illustration page 46). Sow where plants are to bloom and thin out to afford plenty of room to expand. Pkt., 5c.
- 696 **CENTAUREA moschata rosea.** H. A. 2½ ft. This new pink-colored Sweet Sultan furnishes splendid material for cut flowers. On first opening the flowers are very light colored, changing into pink later on. Pkt., 15c.



CHRYSANTHEMUM, SINGLE EARLY FLOWERING

- 3704 **CHRYSANTHEMUM, New Single Early Flowering Hybrids.** Plants transplanted to the open ground in May from February-March sown seeds bring flowers in July. The show of flowers lasts a long time, and there are many shades of colors similar to marguerites. A fine cut flower. Pkt., 15c.
- 2663 **CORNFLOWER, Double Blue.** This is now a standard variety and largely used by florists for cut flowers. It is identical in color to the popular single blue Corn Flower so much in demand for cutting, especially for buttonieres. Bein double flower, a few make a bunch. Pkt., 10c.
- 2879 **DELPHINIUM, Kelway's Hybrids.** H. P. 2 to 3 ft. Seed saved from one of the most famous collections in England, composed of largest-flowered varieties running through various shades of blue very silvery to dark, gentian blue. Very beautiful. Pkt., 25c.
- 2932 **DIMORPHOTHECA aurantica hybrida** (Double African Daisy). H. A. 12 to 15 inches. The parent variety introduced a few seasons since attained great popularity. By artificial crossing the flowers are now produced in double and semi-double form. They come in many rich shades from white to yellow and orange. Pkt., 15c.
- 3002 **GAILLARDIA, Kelway's Hybrids** (Blanket Flower). H. P. 2 ft. This is a grand improved strain with flowers of enormous size and substance. Quite distinct from all other Gaillardias. These plants are very effective in borders. Sown early, they come into bloom in July and last until frost. Splendid cut flower for vases and decorations. Pkt., 25c.
- 3026 **GILIA coronopifolia.** H. H. B. 3 ft. An attractive plant for pot culture or bedding out, producing in summer, on long feathery stems, tubular flowers of a brilliant scarlet. Pkt., 15c.



CAMPANULA PERSICIFOLIA

- CAMPANULA persicifolia** (Peach-leaved Canterbury Bell). H. P. 2 to 3 ft. Valuable for border decoration and for cut flowers. They throw up slender stems which from July are clothed with bell-shaped flowers in shades of blue and white.

- 2584 *Persicifolia alba.* White, 2 ft. Pkt., 10c.
2589 *Persicifolia coerulea.* Blue, 2 ft. Pkt., 10c.



LUPINUS POLYPHYLLUS

- 3201 **LUPINUS Polyphyllus.** H. P. 2 to 3 ft. Plants suitable for the hardy border, and very useful decorator. The tall spikes are well clothed with violet-blue flowers. Pkt., 5c.

- 3238 **LOBELIA, Sapphire.** A new trailing annual, indispensable for hanging baskets, window boxes, vases, etc. The numerous graceful, pendant sprays are well clothed with white-throated deep sapphire blue flowers. The plants are strong and robust in habit. Will bloom in summer from spring-sown seed. Pkt., 20c.
- 2994 **MYOSOTIDEUM nobile** (Giant Forget-Me-Not of New Zealand). H. P. 1½ ft. The flowers, which are large, are borne in loose corymbs and are of charming shade of blue. Succeeds best in a cool, shaded situation. Pkt., 25c.
- 3703a **PAPAVER, Orientale Hybrids.** H. P. 3 to 4 ft. They are grand plants for the hardy border. Their flowers, are large and handsome, ranging from fiery scarlet to deep crimson.
- 3564a **PENTSTEMON Hartwegii Albus.** H. P. 2½ to 3 ft. Pentstemon are handsome plants, which produce beautiful flowers mostly like Foxgloves. This is a large-flowering, pure-white sort. Sown early, it comes into bloom about midsummer and continues until frost. Its handsome spikes furnish excellent material for bouquets. Pkt., 25c.
- 3565 **PETUNIA, Giant Flowered.** (Illustrated in colors on front cover.) For beauty of colors and wide variation it is doubtful if this superb strain can be surpassed. The plants are dwarf in habit, which renders them desirable for culture not only in pots and window boxes, but for massing in the front of borders. The flowers measure 3 or 4 inches across, many being ruffled and fringed on the edges. The wide flaring throat

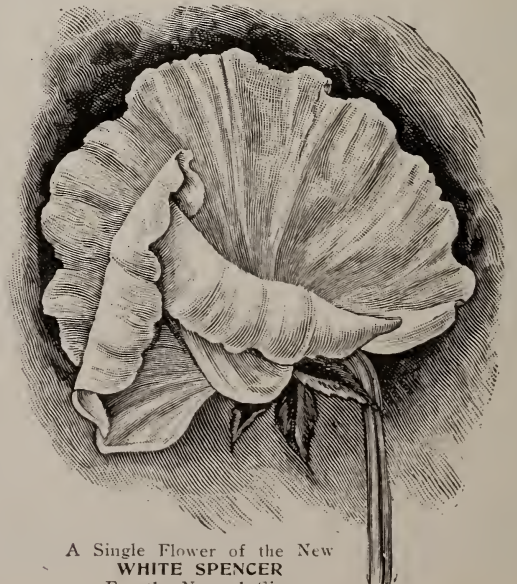


SINGLE FRINGED PETUNIA



DWARF PYRETHRUM OR FEVERFEW

- is veined or netted with black, red, or yellow, which adds to the beauty of the flowers. Pkt., 15c.
- 3580 **PETUNIA, Pepita.** (See illustration.) This is a wonderfully beautiful sort, having very deeply fringed petals. Color, rich carmine, nearly scarlet, bordered with white. Pkt., 25c.
- 3677 **POPPY, King Edward.** A. 2½ ft. This is a splendid new variety with very large single flowers which are borne in great profusion. The color is a deep scarlet, each petal marked with a large black blotch for half its length from the base. Makes a grand show. Pkt., 10c.
- 3713a **PRIMULA Malacoides.** 1 ft. A very pretty variety, introduced a few years ago from China, but still comparatively unknown. It is recommended for window or cool greenhouse culture where it can be had almost constantly in bloom. The lilac flowers measuring three-fourths of an inch across, are borne on strong, graceful stems. Under glass will bloom in five months. Pkt., 25c.
- 3730 **PYRETHRUM, Dwarf Hardy.** A valuable addition to the Hardy Perennials. Useful plants in the hardy border. These dwarf varieties form compact bushes from 12 to 20 inches in height. Their numerous white, flesh, and red-colored rose flowers in the greatest profusion during the spring months. Special attention is called to this important new perennial. Pkt., 25c.
- 3785 **SALVIA, Fireball.** H. H. P. 2 ft. The best of all the scarlet Salvias. Earlier and more profuse bloomer than Zurich. In late summer and autumn Fireball produces long spikes of brilliant scarlet flowers, thrown well above the foliage. It is one of the most decorative of bedding and border plants. Pkt., 15c.
- 3774 **SALPIGLOSSIS.** H. A. 2½ ft. The Emperor strain produces strikingly beautiful flowers, very useful for cutting. Easily grown from seed. Should be in every garden. The funnel-shaped flowers are like a Petunia. They come in a wide range of colors, each flower veined and pencilled. In bloom August to October. Pkt., 10c.
- 3963 **SWEET PEA, White Spencer.** The waved or Spencer varieties of Sweet Peas represent the very highest type yet introduced. They are of stronger growth than the old Grandiflora type. Their flowers are very large in size, usually four to a stem. White Spencer is a pure waxy white of enormous size. Pkt., 10c; oz., 35c; ¼ lb., \$1.25.
- SWEET PEAS. Special Offer.** One pkt. each of the 24 varieties of Spencer Sweet Peas offered on page 61 for \$2.00. The collection contains the cream of the Spencer Sweet Peas. It is planned to delight the grower with a range of colors that cannot be surpassed.
- 4095 **ZINNIA, Giant Flowering.** This is a strain which produces flowers measuring six inches in diameter from seed sown in the open and given very little attention. They come quickly from seed, are easy to transplant, and do not appear to suffer in time of drouth. The colors are white, scarlet, and yellow. The seed here offered is mixed. Pkt., 10c.

A Single Flower of the New
WHITE SPENCER
Exactly Natural Size

High Grade Vegetable Seeds



ALL SEEDS offered for sale by us (whether by the packet or in bulk) are the product of selected seed stock, planted by reliable and experienced growers, every care being given to the culture and roguing of the crops and the harvesting and curing of the stocks to secure the very highest standard of quality that we believe it is possible to obtain. If you are not already a customer, a trial order, we believe, would convince you of the superior quality of these seeds and would be greatly appreciated by us.

Delivery We mail and pay the postage on all seeds ordered by the packet, ounce, and $\frac{1}{4}$ lb. If larger quantities are to be mailed, add postage at the rate of 8c per lb.; 15c per quart for Peas and Beans, 10c per quart on Corn, to the prices quoted. Seeds in quantities of half pounds, pounds, pints and quarts, pecks and bushels, bulbs, plants, shrubs, and other heavy and bulky goods are forwarded by freight or express at the expense of the purchaser. Packing and delivery to freight or express offices in Chicago free.

Non-Warranty While we exercise great care to have all Seeds, Bulbs, and Plants pure and reliable, we give no warranty, express or implied, as to description, quality, and productiveness, or any other matter, of any Seeds, Bulbs, or Plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

ARTICHOKE SEED

Sow seeds in April or May in deep, rich, sandy loam with plenty of well-rotted manure. When large enough, transplant into rows three feet apart and two feet in the rows.

LARGE GREEN GLOBE. Flower heads can be cooked like Asparagus. Pkt., 5c; oz., 30c.

JERUSALEM ARTICHOKE. The tubers are planted like potatoes, about 3 bushels to acre. They are excellent for feeding stock, especially hogs. Qt., 20c; pk., 75c; bu., \$2.50. Special prices on larger quantities.

SPARGEL, Ger. **ASPARAGUS** ASPERGE, Fr.

Asparagus seed should be sown early in spring, on rich, light soil, in drills a foot or more apart, covering the seed an inch deep. Thin to three or four inches and keep the ground mellow and clear of weeds the first season by frequent hoeing. The next spring, transplant to a permanent bed, which should be in deep, mellow soil, made very rich by a liberal application of manure. One ounce will sow 40 feet of drill.

Bonvallet's Giant This giant variety not only combines high productive power and lasting quality, but it withstands the rust so frequently disastrous to Asparagus beds. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

COLUMBIAN MAMMOTH WHITE. Produces shoots which stay white as long as fit for use without earthing up or any other artificial blanching. Nearly all seedlings will produce clear white shoots. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

CONOVER'S COLOSSAL. A standard variety. Popular, productive, and of good quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

PALMETTO. A large, dark-green variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.



ASPARAGUS

Asparagus Roots

At least one year's time is gained by setting out roots. Plant them in spring or fall. For varieties and prices see page 31.

BONNEN, Ger.

BEANS

HARICOT, Fr.

DWARF, BUSH or SNAP

In many localities the low-growing varieties are known under different names. Under this classification we include the best sorts selected after years of careful observation—Bush, Bunch, Snap, String, or Dwarf Beans.

The bean is a semi-tropical plant and very susceptible to injury by frost. We therefore do not recommend planting until late in April or early in May. This crop will thrive on a variety of soils, but does best in a rich, light loam that is well drained. Such soil stimulates a rapid and vigorous growth of the plant which is necessary for the production of crisp, well-shaped and well-filled pods. Such a crop is also much less subject to disease than one grown under less favorable conditions. For Dwarf, Green Pod, or Wax varieties the seed should be planted in drills about 2 feet apart with a distance of from 2 to 4 inches between the beans in the row. The depth of covering depends upon the soil, and would vary from 1 to 3 inches. The heavier the soil, the less the covering required. The early varieties should be ready for use in about 6 weeks from the time of planting, and if the pods are picked as soon as they are edible, the plant will continue to bear for several weeks. For a succession of crops the seed should be planted about every three weeks during the growing season.

1 qt. to 100 ft. of drill; 1½ bu. to the acre in drills.

Burpee's Stringless Green Pod

A splendid bean for home

use, possessing so many merits that it is deserving of a place in every garden where beans are planted. It is hardy and early so that several plantings can be made during the season for succession of crops. The plants are dwarf, sturdy and yield abundantly. The pods are round, of good size and of exceptionally fine quality, the special merit being that they are strictly stringless. This, together with their brittleness and tenderness and good flavor, places the variety among the very best of the green pod sorts. We have a splendid strain of Seed of this excellent bean. Pkt. 5c; carton 10c; pt. 20c; qt. 35c; pk. \$1.75; bu. \$6.50.



GREEN POD BEAN, FULL MEASURE

DWARF GREEN-PODDED BEANS—Continued**Full Measure**

A bean of recent introduction that gave much promise of becoming very popular. Medium early, producing an abundance of long, round pods that are stringless, of fine quality and of attractive appearance. When better known we believe it will be well received by both the home gardener and the market gardener. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$1.75; bu., \$6.50.

Longfellow

This is an excellent variety to grow for either home use or for the market. It bears profusely and the long, slender pods are attractive to the buyer and their fine quality meet the demands of the most critical. This is a very desirable bean to grow for late planting as it requires less time to mature than almost any other variety. Pkt. 5c; carton 10c; pt. 20c; qt. 35c; pk. \$1.60; bu. \$6.00.

BLACK VALENTINE. An extra early variety and therefore suitable for late planting. A favorite with the market gardeners both north and south. It is hardy and a good yielder. The pods are flat, of firm strong fibre, consequently it is a suitable shipping variety. Pkt. 5c; carton 10c; pint, 20c; quart, 35c; peck, \$1.75; bushel, \$6.50.

RED VALENTINE. One of the best known of the greenpod varieties and planted extensively in the south. It is very hardy and a reliable yielder. Pkt. 5c; carton 10c; pt. 15c; qt. 25c; pk. \$1.50; bu. \$5.50.

REFUGEE, or 1000 to 1. A late variety, very attractive pods, round and very small and one of the best canning sorts. Pkt. 5c; carton 10c; pt. 20c; qt. 35c; pk. \$1.60; bu. \$6.00.

EXTRA EARLY REFUGEE. An improvement on the above on account of its earliness and dwarf habit of growth, in which respect it is distinct from almost any other variety. It is a good yielder, pods uniformly round and nearly stringless; therefore a favorite with canners and shippers." Pkt. 5c. carton 10c; pt. 20c; qt. 30c; pk. \$1.50; bu. \$5.50.

LONG YELLOW SIX WEEKS. Early, very attractive, long fleshy pods. Pkt. 5c; carton 10c; pt. 15c. qt. 25c; pk. \$1.50; bu. \$5.50.

EARLY MOHAWK. An old and well known variety. Early and very hardy. Pkt. 5c. carton 10c; pt. 15c; qt. 25c; pk., \$1.50; bu., \$5.50.

Varieties for Shelling

The largest return will result from planting in drills from two to three feet apart and leaving the plants two to six inches apart in the row. Up to the time of flowering they should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into bloom is likely to cause the blossoms to blast and so cut off the crop. The cultivation of beans should always be very shallow.

LARGE WHITE MARROW. The standard large white bean commonly sold in market. Beans are good green or dry, of vigorous growth and productive. Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.40; bu., \$5.00.

WHITE NAVY. Valuable chiefly as a field bean and considered by many the best baking variety. Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.00; bu., \$4.00.

ROYAL DWARF, or WHITE KIDNEY. Excellent cooked with sweet corn, making "succotash." Among best as a winter bean. Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.40; bu., \$5.00.

DWARF HORTICULTURAL. Late; productive and much esteemed for good quality of the beans. Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.50; bu., \$5.50.

DWARF WAX BEANS**Davis Kidney Wax**

The best early wax Bean for market gardeners. This variety

since its introduction, 12 or 15 years ago, has become very popular, especially with truck growers. It is a reliable and exceedingly heavy yielder, with the merit of maturing early and very evenly. The pods are attractive, being long and straight and of a beautiful waxy white that does not discolor in cooking. The flesh is close grained and of fine fibre. The Seeds are pure white, kidney shaped and are excellent for cooking either green or dry. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$2.00; bu., \$7.50.

WARDWELL'S KIDNEY WAX. This is another profitable variety for market gardeners to grow for the main crop. The pods are large, flat and good substance and color. Pkt., 5c; carton, 15c; pt., 25c; qt., 40c; pk., \$2.00; bu. \$7.50.

DWARF WAX BEANS—Continued

HODSON WAX. This is a late Bean, but a splendid yielder, one of the largest podded of the wax varieties. It is an exceptionally good Bean for the shipper, the pods holding their form and color a long time after they are picked. Pkt., 5c; carton, 10c; pt., 20c; qt., 30c; pk., \$1.80; bu., \$7.00.

CURRIE'S RUST PROOF. A well-known, flat podded variety extensively planted in the south. Seeds bluish black. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c. pk., \$1.80; bu., \$7.00.



HUDSON WAX BEAN

PENCIL POD BLACK WAX. Medium early. Pods round and pencil shaped. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$1.80; bu., \$7.00.

CHALLENGE BLACK WAX. The earliest of all, very dwarf in habit of growth. Pods are round, attractive in color, and crisp and tender in quality. Pkt., 5c; carton, 10c; pt., 20c; qt., 30c; pk., \$1.80; bu., \$7.00.

GOLDEN WAX. An old, standard variety, hardy and early. Pods flat. Seeds white blotched with reddish purple. Pkt., 5c; carton, 10c; pt., 20c; qt., 30c; pk., \$1.80; bu., \$7.00.

REFUGEE WAX. Hardy, round podded variety, good for canning. Seeds brown and black mottled, similar to Refugee Green Pod. Pkt., 5c; carton, 10c. pt., 20c; qt., 30c; pk., \$1.80; bu., \$7.00.

POLE BEANS

Pole Beans are even more sensitive to cold and wet than the dwarf varieties, and should be sown two weeks later. After settled warm weather, set poles four to eight feet long in rows four feet apart and running north and south, the poles being three feet apart in the row. Around each stake plant five to eight beans, two inches deep.

One quart will make about 100 hills.

KENTUCKY WONDER, or Old Homestead. Pods green, nine inches or more long, nearly round, fleshy, stringless, and of excellent flavor. Dry beans, long, oval, dun-colored. It is an early and most prolific variety. Pkt., 5c; carton, 10c; pt., 20c; qt., 30c; pk., \$1.50; bu., \$5.50.

POLE BEANS—Continued

GOLDEN CLUSTER WAX. Long, broad, thick pods, borne in clusters. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c. pk., \$2.00.

SCARLET RUNNER. A favorite, both as a Snap Bean and for its flowers, which are of a bright scarlet. Seeds broad and kidney-shaped. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c.

LAZY WIFE. This is a superior variety for the home garden, also as a field bean among corn. Desirable either for cooking in the pod or shelled for winter. The large, green pods are from 4 to 6 inches in length. Very tender, of delicious flavor. They are broad and thick, and are stringless until quite large. Dry beans are round, pure white. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$1.80; bu., \$7.00.

CUT SHORT, or CORN HILL. An old variety that is in favor for planting among corn. It will yield a good crop without the use of poles. Beans nearly oblong, cut off at the ends, white and partially dotted with spots. Pkt., 5c; carton, 10c; pt., 20c; qt., 30c; pk., \$1.50; bu., \$5.50.

DUTCH CASE KNIFE. This is also used as a cornhill bean. Pods long and flat; beans flat, kidney-shaped, white, of excellent quality green or dry. Pkt., 5c; carton, 10c; pt., 20c; qt., 30c; pk., \$1.75; bu., \$6.00.

POLE LIMA BEANS

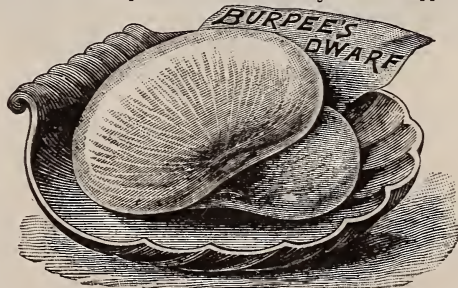
Lima Beans are not only profitable as green shell beans, but are also a paying crop to sell as dried beans during winter. They are always in demand and bring good prices.

Lima Beans will not grow until the weather and ground are warm; if planted earlier, the seeds are apt to rot in the ground.

KING OF THE GARDEN LIMA. Vines vigorous and productive, producing a continuous bloom and fruitage to the end of the season. The pods are of enormous size, many specimens measuring from 5 to 8 inches, and some containing seven beans to the pod, all perfectly formed and of superior quality. Pkt., 5c; carton, 10c; pt., 20c; qt., 30c; pk., \$1.75; bu., \$6.50.

DWARF LIMA BEANS

Bush Limas should be planted three feet apart, dropping two or three beans fifteen inches apart in the row. Cover about an inch deep. Dwarf Limas require no support.



BURPEE'S DWARF LIMA. Plants make perfect bushes from eighteen inches to two feet high. They are sure croppers and immense yielders. Pods as large as those of the Pole Lima, and contain three to five beans of the best quality. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$1.80; bu., \$7.00.

DREER'S DWARF LIMA. Thick pods and large thick beans, three or four in a pod. Ripens fully ten days earlier than the Pole Lima of same name. Pkt., 10c; carton, 15c; pt., 20c; qt., 35c; pk., \$2.00; bu., \$7.50.

HENDERSON'S BUSH LIMA. Valuable on account of extreme earliness. Extremely productive, tender, and delicious. The dry beans are small and white. The best variety to use for canning. Pkt., 10c; carton, 15c; pt., 20c; qt., 30c; pk., \$1.75; bu., \$6.50.

Gardening for Pleasure By Peter Henderson. A guide to the amateur in the fruit, vegetable, and flower garden. It meets the wants of all classes in the country, city, and village, who keep a garden for their own enjoyment rather than for the sale of the products. Finely illustrated. 404 pages. 5 x 7 inches. Cloth, \$1.50, postpaid.

RUNKELRUEBEN, Ger.

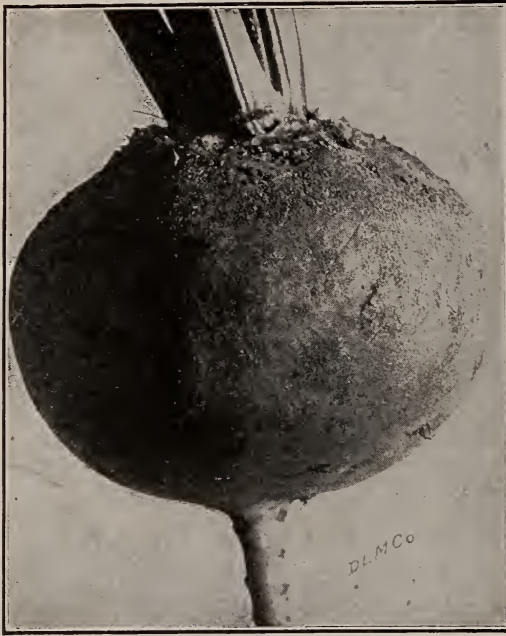
BEETS

BETTERAVE, Fr.

Sow as early in the spring as ground can be worked, and for succession, every two weeks after up to the first of July, in drills twelve to fourteen inches apart, and when well up thin to from four to six inches. The young plants removed in thinning are excellent cooked in the same manner as Spinach. Take up the roots in October and store in cellar like potatoes. Covered with sand they will keep in nice, tender condition for winter use.

One ounce will sow 50 feet of drill; 5 to 6 pounds are required for an acre.

Crosby's Egyptian Much in demand by market gardeners for forcing and early out-of-door sowing. This beet is perfect in shape, and deep red, almost black, in color. Equally good for early bunching as well as the fall market. Its fine color and superior quality make this one of the best beets. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.25; 5 lbs., \$5.00.



Barnard's Selected Edmands Beet

Good for bunching, and is a standard winter beet. Its uniformity, handsome appearance, small top, and single tap root commend it most strongly to the market gardener, and for table use scarcely any other variety can equal it in fine quality. The skin is deep blood-red in color, flesh dark red, sweet and tender. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.25; 5 lbs., \$5.00.

Crimson Globe Handsome in shape, a little deeper than round, with a smooth surface and small tap root. Flesh deep crimson, ringed and zoned. Not only desirable for bunching for early use, but it is good for main crop, as it keeps well until spring. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00; 5 lbs. for \$4.50.

DEWING'S BLOOD TURNIP. Suitable for market men. Medium size; smooth skin; flesh red with white bands. Good main crop variety. Pkt., 5c; oz., 10c; ¼lb., 35c. lb., \$1.00; 5 lbs. for \$4.50.

EARLY BLOOD TURNIP. An old and standard variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Fireball Handsome globe-shaped Beet, with particularly smooth skin, and as the name implies, very attractive color. The flesh is solid and sweet, fully the equal in quality of any of the table varieties of Beet. Its chief recommendation, however, is in its extreme earliness, which combined with many other superior qualities, makes it an ideal Beet for either private growers or market gardeners. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., \$1.50.

ECLIPSE. This is not only an extra early beet, but if sown late, it is valuable for winter use. Its rapid growth, extreme earliness, neat globe shape with small top and bright crimson color, make this a most popular sort with growers. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00; 5 lbs. for \$4.50.

HALF-LONG BLOOD. One of the best beets for winter and spring use. The roots are pear-shaped, smooth, and handsome; flesh a rich dark red, crisp, tender, sweet, and retaining its excellent quality longer than any other sorts. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

IMPROVED LONG DARK BLOOD. Tops large, necks small, leaf stems and vines red, leaf green, roots large, tapering, growing even with the surface. Flesh dark red, zoned with lighter shade, tender and sweet and remaining so when kept till spring. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

DETROIT DARK RED. A medium early globe-shaped beet of excellent quality. It is especially esteemed on account of its dark-red color which extends entirely through the beet, and without the light-colored rings seen in some varieties. The beets are smooth and handsome. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00; 5 lbs., \$4.50.

SWISS CHARD, or Sea Kale Beet

It is superior to the common 'beet for greens; if sown at the same time, it will be fit for use before it. Later, the plants form broad, wax-like stems to the leaves, which are very delicious cooked or pickled. They have a flavor similar to spinach. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

MANGEL-WURZEL AND SUGAR BEETS

One ounce for 50 feet of drill; 5 lbs. for an acre.

MAMMOTH LONG RED. On good soil sometimes grows eighteen inches long. Dark leaves; skin bright dark red; flesh white with veined rings of rose-pink. An excellent keeper; nutritious and milk-producing. Oz., 5c; ¼lb., 15c; lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50.

GOLDEN TANKARD. A yellow-fleshed variety highly prized by dairymen for milk-producing qualities. Oz., 5c; ¼lb., 15c; lb., 45c. 5 lbs., \$2.00; 10 lbs., \$3.50.

CHAMPION GLOBE. The best round Mangel. It is valuable for shallow soils, a better keeper than Long Red. Oz., 5c; ¼lb., 15c; lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50.

THE BEST SUGAR BEETS

KLEIN WANZLEBEN. White flesh. Contains much sugar. Oz., 5c; ¼lb., 15c; lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50.

LANE'S IMPERIAL SUGAR BEET. Forms a large root, long and tapering. Snow white flesh. Oz., 5c; ¼lb., 15c; lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50.

BORECOLE, or Kale

DWARF GERMAN, or GERMAN GREENS. A dwarf variety, rarely exceeding 18 inches in height, but spreading out under good cultivation to 3 feet in diameter; the leaves are very beautifully curled, and of a bright green. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

GREEN CURLED SCOTCH. About two feet high. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

BROCCOLI, Fr. BROCCOLI SPARGELKOHLE, Ger.

Taller and more hardy than Cauliflower, but otherwise very similar to that delicious vegetable. Culture and use are identical with that of Cauliflower.

One ounce of seed for 2,000 plants.

EARLY PURPLE CAPE. Pkt., 5c; oz., 30c; ¼lb., \$1.00.

WHITE CAPE. Pkt., 5c; oz., 30c; ¼lb., \$1.00.

BRUSSELS SPROUTS

These are miniature cabbages produced from the side of the stalk. They are regarded as a great delicacy boiled and served in the same manner as Cauliflower. Sow in seed bed in May, transplant and cultivate like cabbage. Pkt., 5c; oz., 15c; ¼lb., 45c; lb., \$1.50.

Add 8c to pound prices if we are to mail. Smaller quantities are postpaid at prices named.

KOPFKOHL, Ger.

CABBAGE

CHOU POMME, Fr.

OUR CABBAGE SEED is grown under the care of practical, painstaking and reliable men; in localities where experience and thorough tests have proved the climate and soil to be the best adapted to their production in highest perfection; from fully developed, perfect heads, carefully cured and stored until time of planting; thoroughly tested as to vitality, our seeds can but give satisfaction, and we unhesitatingly recommend it for the use of either market or private gardener.

All that Cabbage requires is the soil to be rich, deep, well-drained, and abundantly manured. For the early kinds, plant 30 inches between the rows and 16 inches between the plants. For the late kinds, three feet between the rows and two feet between the plants. For very early use, sow in January or February, in hotbeds. Set out when the plants are strong enough into other hotbeds, or set in cold-frames in March. Transplant when danger from frost is past to the open ground. For a succession, sow in the open ground last of March or early in April. The late or winter crop seed can be sown in May and the plants set out in July. An ounce of seed produces 1,500 plants; one-half pound to transplant for an acre.

HOW TO DESTROY CABBAGE WORMS. SLUG SHOT can be used lightly or heavily and the cabbage suffers no harm. The cabbage forms its head by the interior growth; it throws off its earlier and outside leaves, and no dust can enfold within its head. Apply Slug Shot with a duster, sieving it over the plants or full-grown cabbages. The powder is very fine and gets a long way in field or garden. Not prepaid. 5 lb. pkg., 30c; 10 lbs., 50c; Tin Duster each 35c.



EARLY JERSEY WAKEFIELD

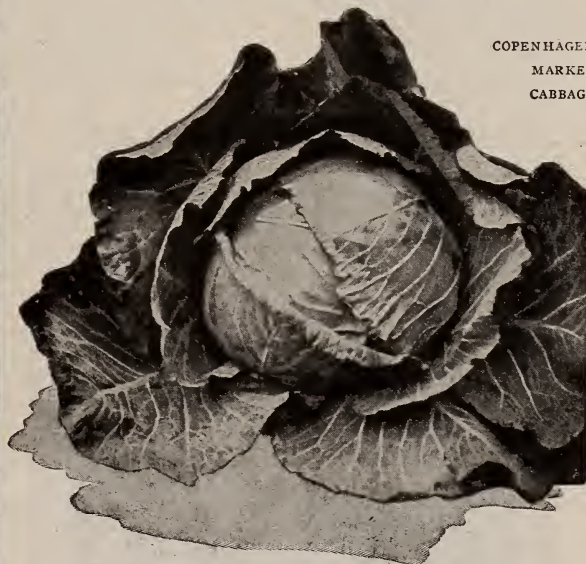
Earliest Pointed-Headed Sorts

Early Jersey Wakefield Long recognized as the best, earliest market-able cabbage. In size, medium; in shape, pyramidal with pointed peak. Its uncommonly fine heading qualities, together with its fitness for wintering in cold frames, pleases the most critical gardeners. Our strain of seed is of superior quality. Pkt., 5c; oz., 25c; ¼lb., 60c; lb., \$2.25.

LARGE WAKEFIELD, or CHARLESTON. The heads are similar in form, although generally not so pointed, but of equal solidity as the original Jersey Wakefield, while they grow half again as large, reaching full size about ten days later. Pkt., 5c; oz., 25c; ¼lb., 60c; lb., \$2.25.

Winningstadt An old and famous type of second early cabbage. It makes a large, conical head, about ten days later than Wakefield. Color, a bright, glossy green. Valuable not only for early use, but as a winter cabbage. A vigorous grower, it thrives even under unfavorable conditions. Pkt. 5c; oz., 15c; ¼lb., 40c; lb., \$1.50.

Early Flat-Headed Sorts



COPENHAGEN
MARKET
CABBAGE

Early Danish CABBAGE—"Copenhagen Market"

This new Cabbage is very heavy and solid, like the "Ball-head" type of Cabbage; makes a fine, large, globe-shaped head with well-developed outside leaves, but is very much earlier in maturing than any of the Danish Cabbages, in fact as early as Early Jersey Wakefield, and will give a much heavier yield per acre than that variety. It is short-stemmed, the heads being produced almost on the ground. The leaves are tightly folded around each other, which permits close setting of plants. The heads mature all at the same time. Pkt., 10c; oz., 35c; ¼lb., \$1.25.

ALL HEAD EARLY. Heads flat, deep, and solid; firm and tender; valuable also for late. Seeds sown in July and set out in August will make fine heads. Largely planted by market gardeners. Nearly 10,000 can be grown on an acre, and almost every one will head. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., \$2.75.

EARLY SPRING. The first early round-head Cabbage, maturing about the same time as Jersey Wakefield. One of its chief claims to superiority is the remarkable uniformity of the heads. They are also very solid even when young, and with very small outside leaves. Pkt., 5c; oz., 20c; ¼lb., 70c; lb., \$2.50.

EARLY SUMMER. Matures about ten days later than Early Jersey Wakefield. Heads are large, nearly round, somewhat flattened, and quite solid. Pkt., 5c; oz., 20c; ¼lb., 70c; lb., \$2.50.

CABBAGE, continued

Second Early, or Main Crop

ALL ROUND FLAT HEADS

ALL SEASONS. A splendid main crop sort, much grown by market gardeners; is also an excellent variety for home use. Remarkable for its ability to stand hot sun and dry weather. Makes solid, hard heads, of large size. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.25.

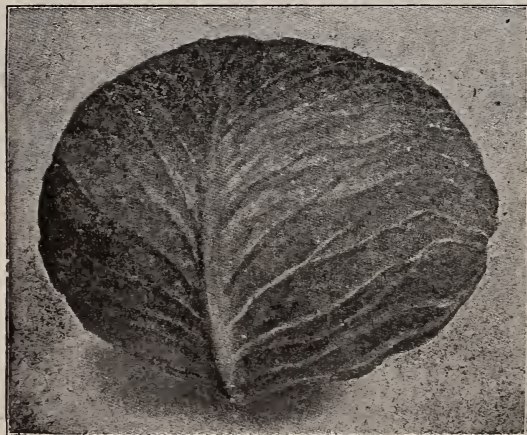
FOTTLER'S IMPROVED BRUNSWICK. We have a superior strain of this seed, which brings large, flat, solid heads of excellent quality. Stem very short. A sure header. Pkt., 5c; oz., 15c; ¼ lb., 60c; lb., \$2.25.

Chicago Market Cabbage

This valuable Cabbage continues to give the utmost satisfaction, not only to Chicago gardeners, but in every locality in which it has been introduced. We have yet to find a variety more thoroughly adapted to general culture and which combines so many good qualities as our "Chicago Market" Cabbage. It will surely please you. Planted early, it develops fine, large, solid heads one week later than the Wakefield, while if set out later it makes excellent heads for winter use. It stands the hot sun well, is almost certain to head, and does not crack; is an excellent keeper. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., \$2.75.

AUTUMN AND WINTER SORTS

Surehead A compact-growing, general crop Cabbage that is well named, as it can be relied upon with certainty to head even under unfavorable circumstances. The heads are large, hard, firm, fine in texture, and sweet flavored. It is a late variety, keeps well, is good for shipping, and is a favorite sort with market gardeners and also for home use. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.25.



Danish Ballhead Cabbage

The Best Cabbage for Spring Sales

For several years our strain of this Cabbage has been known to be unexcelled. **Danish Ballhead** commands a higher price in the market than any other variety. It is remarkable for the **solidity of its heads and long-keeping qualities.** The heads are of medium size, with a few outer leaves, admitting of close planting; exceedingly fine grained, hardest of all, tender, crisp, solid, with no waste heart. Pkt., 10c; oz., 25c. ¼lb., 75c; lb., \$2.75.

Danish Short Stem

Danish Short Stem is ready for

As compared with Ballhead, market ten days earlier. Heads of medium size; lighter in color; outer leaves set very close, producing more weight to the acre. Seed imported direct from Denmark. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.75.



CABBAGE—CHICAGO MARKET

LATE WINTER CABBAGE, continued

SELECTED LATE FLAT DUTCH. It grows very large, is remarkably hardy, a sure header, uniform in shape, size, and color. Few varieties can approach this for superior quality. Market gardeners grow this very extensively for a late crop. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.25.

PREMIUM LARGE LATE DRUMHEAD. Head enormous. Very hardy and desirable fall and winter variety, also a good supper. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.25.

LUPTON. This fine Cabbage has now acquired a splendid reputation. It is a dark green in color, has a short stem, and is **one of the best keepers,** coming out in the spring bright and fresh; a little earlier than Flat Dutch and Drumhead. We have some very choice seed. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.25.

HOLLAND. The superior merit of this variety is the hard heading and long keeping quality. Heads medium size; white. If properly stored, they will be found, when taken up in spring to be in perfect condition. Pkt., 10c; oz., 25c; ¼lb., 75c; lb., \$2.75.

Autumn King, or World Beater Large, broad heads are uniform in shape, hard and solid as a rock, fine grained and tender—more so than any other very large cabbage. Forming so few outer leaves, it goes almost **all to head.** It is a rapid grower, and does not require special culture to bring out its excellencies. Pkt., 5c; oz., 25c; ¼lb., 60c; lb., \$2.25.

RED CABBAGE

MAMMOTH RED ROCK. By far the *best*, largest, and hardest heading red cabbage in cultivation; very uniform in size, weight, solidity, and deep red color. The heads grow to weigh 10 or 12 pounds. Pkt., 5c; oz., 25c; ¼lb., 60c; lb., \$2.25.

SAVOY, or CURLED LEAVED

The quality and flavor of these "curled-leaved" Cabbages is very superior; grown in fall and allowed to be touched by frost, they are sweet, delicate, and most delicious.

AMERICAN DRUMHEAD SAVOY. The best of its class for home use and market. Heads large, **solid and compact.** Has rich, sweet flavor of the cauliflower when cooked. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.25.

HAMMOND'S SLUG SHOT

Kills Insects, Saves Foliage.

SLUG SHOT kills cabbage worms, also cucumber, melon, squash and potato bugs. Contains nothing in the least injurious. 5-lb. pkg. *not prepaid*, 35c; 10 lb., 70c.

MOEHNEN, Ger.

CARROTS

CAROTTE, Fr.

For Market or Home Garden

This is a vegetable deserving to be more generally cultivated, both for use upon the table and for stock feeding purposes. There is no more healthful root crop.

For early, sow in spring as soon as ground can be worked, in drills 15 inches apart, covering one-half inch. For the main crop, sow from the middle of May to the first of July. Thin out in row from 5 to 6 inches apart. Hoe often and deeply between the rows. Light, sandy loam, richly manured, is the best soil.

One ounce will sow about 125 feet of drill.

Barnard's Improved Danvers

This is a splendid strain which produces a fine, broad-shouldered carrot about ten inches long, very uniform in shape. Color is a handsome orange red. Skin smooth with very few indentations. In quality it has no superior. The flesh is close grained, sweet and of good flavor. It is the favorite carrot with our market garden customers. An enormous yield, and therefore a valuable carrot for stockmen as well as the garden. Pkt., 10c; oz., 20c; ¼lb., 40c; lb., \$1.25; 5 lbs., for \$5.50.

Chantenay

Deep red flesh, fine grained and sugary. One of the best for home or market garden. It is early, grows about six inches long; stump rooted, always smooth. A heavy cropper. This carrot will please everybody. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.00; 5 lbs. for \$4.50.

OX HEART, or Guerande. Much esteemed either for family use or market. It is intermediate between the half long and horn varieties. Roots are about six inches long, cylindrical in shape, and rich orange color. The flesh is fine grained, little core. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.00; 5 lbs. for \$4.50.

HALF LONG SCARLET, Pointed. Much used for bunching, especially when young; of fine quality, medium early. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.00.

EARLY SCARLET SHORT HORN. Short, nearly round, good for shallow soil. Adapted for forcing for market and culture for early home use. Deep orange in color, flavor excellent. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.00.

DANVERS, HALF LONG. A smooth, well-formed carrot, which grows to medium size, tapering to a point. Valuable for a feed crop. Flesh orange color. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.00; 5 lbs. for \$4.50.

HALF LONG SCARLET NANTES. An early stump-rooted variety about six inches long, that is valuable for table use. Flesh red, little core. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.00.

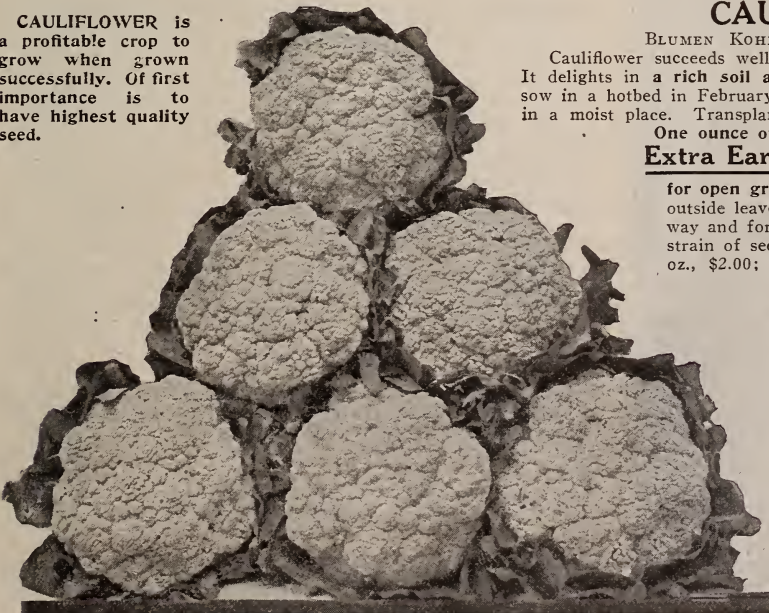
Carrots for Stock Feeding

For feeding horses and milch cows, carrots are unsurpassed. Four pounds of seed required for an acre.

IMPROVED LONG ORANGE. Requires deep soil; plants should stand 8 inches apart in 18-inch drills for roots to attain full size. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

LARGE WHITE BELGIAN. Grows one-third above ground. Root pure white, green above ground with small top; flesh rather coarse. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., 75c; 5 lbs. for \$3.50.

CAULIFLOWER is a profitable crop to grow when grown successfully. Of first importance is to have highest quality seed.



BARNARD'S SNOWBALL CAULIFLOWER



BARNARD'S IMPROVED DANVERS CARROT

CAULIFLOWER

BLUMEN KOHL, Ger. CHOUFLEUR, Fr.

Cauliflower succeeds well in any soil where cabbages will grow. It delights in a rich soil and plenty of water. For early sorts, sow in a hotbed in February or March; for later crop, sow in May in a moist place. Transplanting should be done in moist weather.

One ounce of seed for 3,000 plants.

Extra Early Dwarf Erfurt

Best for Forcing. Good

for open ground. Dwarf and very solid, with short outside leaves. Can be planted 20 inches apart each way and forced. Almost as early as Snowball. Our strain of seed is very choice. Pkt., 20c; ¼oz., 75c; oz., \$2.00; ¼lb., \$7.50.

Barnard's Snowball

For main crop and for every purpose except for first early, or for culture under glass (for which we recommend the Extra Early Dwarf Erfurt) we emphasize Barnard's Snowball as a variety of the highest quality and reliable, sure cropping strain. Pkt., 20c; ¼oz., 75c; oz., \$2.00; ¼lb., \$7.50.

EXTRA EARLY PARIS. Still used by some gardeners. Pkt., 5c; ¼oz., 30c; oz., 50c.

DENMARK. A favorite second early and main crop sort. It makes large and fine heads. Pkt., 10c; ¼oz., 50c; oz., \$1.50.

AUTUMN GIANT. Late; vigorous grower. Pkt., 5c; ¼oz., 30c; oz., 50c.

SELLERIE, Ger.

CELERY

CELERI, Fr.

Celery can be successfully grown with but little labor in a home garden, in any good garden soil, by following the very detailed instructions contained in the little book "CELERY CULTURE," which we mail, postpaid, for 50 cents. Celery delights in low, moist, rich bottom land, or well-drained muck soil. It is usually grown as a second crop. The self-blanching Celeries are recommended for autumn and early winter use, as they do not keep so well as others.

Celery is sometimes grown by what is termed the new process, which consists in making a spot as rich as possible and there setting the plants six to eight inches apart each way. If the soil is very rich and there is an abundance of water, the plants will blanch each other and the product will be very white and handsome.
 ne ounce of seed will produce 3,000 plants or more.

Golden Self-Blanching

THE best celery in cultivation and the most profitable for market and family use. The handsome appearance and straight, strong stalks of this celery are well brought out in the illustration. The heart is large, solid, golden yellow in color, and of delicious flavor. It will turn at maturity to a yellowish white without banking, but like all other celeries is improved by having some soil brought up to the stalks. Pkt., 10c. oz., 80c; ¼lb., \$3.00.

White Plume

The peculiarity of this leading variety is that the inner leaves and heart are naturally white, so that by closing the stalks, either by tying or by drawing the soil close about the plant and pressing it together with the hands, the blanching is completed. It is the earliest Celery in cultivation, but will not keep longer than the holiday season. Pkt., 5c; oz., 20c; ¼lb., 60c.

GIANT PASCAL. Broad, thick, solid, cream-colored stalks of handsome appearance which are entirely stringless, crisp and tender. For January and February use is undoubtedly unexcelled. It is a good shipping variety, free from rust or rot. Pkt., 5c; oz., 15c; ¼lb., 50c.

PERFECTION HEARTWELL. One of the best of the white varieties. The stalks are of good size, vigorous growth, very sound and never hollow; crisp, tender, and of exceedingly fine nutty flavor. Pkt., 5c; oz., 15c; ¼lb., 50c.

EVANS' TRIUMPH. The best late Celery. Not only a splendid keeper, but the very large solid stalks are of the finest texture and quality, crisp, brittle, tender, and really nut-like flavor, and has a stronger celery taste than any other variety. Per pkt., 5c; oz., 15c; ¼lb., 50c.



CELERY—GOLDEN SELF-BLANCHING

GIANT WHITE SOLID. Fine for market as well as family garden. Pkt., 5c; oz., 15c; ¼lb., 50c.

NEW ROSE. We offer this as the choicest of the red varieties. Pkt., 5c; oz., 20c; ¼lb., 60c.

GIANT GOLDEN HEART. Large size, beautiful color, crisp and deliciously flavored. One of the best celeries for market, and for home use. Pkt., 5c; oz., 15c; ¼lb., 50c.

DWARF GOLDEN HEART. A distinct, rare, and decidedly ornamental type; when blanched, being an exquisite golden yellow. Pkt., 5c; oz., 15c; ¼lb., 40c.

WINTER QUEEN. Makes broad and solid white stalks. Close, compact grower. Pkt., 5c; oz., 15c; ¼lb., 50c.

CELERIAC, or TURNIP-ROOTED CELERY

Produces large turnip-like roots which keep well for winter use; it is highly esteemed either cooked for flavoring soup or sliced and used with vinegar, making an excellent salad. It is cultivated like celery, little or no earthing being required. Ready for use in October. One ounce for 50 feet of row.

BARNARD'S GIANT. Very large roots. Flesh white with a stronger and sweeter flavor than other varieties. Pkt., 10c. oz., 20c; ¼lb., 75c; lb., \$2.50.

LARGE SMOOTH PRAGUE. One of the best. Roots smooth, and almost round. An excellent keeper. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.50.

CHERVIL Used for flavoring or garnishing, and is more beautiful than Parsley. Sow in early spring in rich soil, and when plants are large enough, transplant to a foot apart. Pkt., 5c; oz., 10c.

CHICORIC, Ger.

CHICORY

CHICOREE, Fr.

LARGE-ROOTED, or COFFEE. The roots, when dried, roasted, and ground, are largely used as an adulterant or substitute for coffee. The young leaves are excellent when used as a salad. Cultivate same as carrots. Pkt., 5c; oz., 10c.

WITLOOF. This variety is becoming very popular as a valuable salad plant for winter use. The seed, when planted in the spring, will produce roots for winter forcing. Pkt., 5c; oz., 20c; ¼lb., 50c.

CHIVES Their green tops which appear in early spring are used wherever the flavor of onions is desired. They are entirely hardy. One or two clumps are sufficient for a family garden. Clumps, 20c each, prepaid. Not prepaid, each, 10c; doz., \$1.00.



BARNARD'S GIANT CELERIAC

WELSCHKORN, Ger.

CORN, Sweet or Sugar

MAIS, Fr.

Seeds of Sweet or Sugar Corn being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm. For a succession, continue planting every two weeks until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. The extra early varieties can be planted 18 inches in the row and 2½ feet between the rows.

One quart of seed corn plants 200 to 300 hills; one peck will sow an acre in hills.



CORN, GOLDEN BANTAM

Golden Bantam

We place this at the head of our list as we consider it the ideal

Corn for the home garden. It is comparatively a new variety that already has won for itself the highest mention in nearly every seed catalog. For sweetness and richness of flavor it has no equal. It is a hardy, early maturing variety of very dwarf growth and can, therefore, be planted closer than other sorts and through a longer range of season. The cob is small, but fills out nicely with large, deep, cream-colored kernels, which turn to yellow when entirely ripe. Our seed is northern grown, which assures the highest standard of vitality and permits of very early planting. No family garden should be without a plot of this excellent Corn. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$1.35; bu., \$5.00.

MAMMOTH WHITE CORY. This is the favorite early variety with our market gardeners. It is a larger Corn than the old Early White Cory, has a fine, broad white kernel that is very sweet. It is a dwarf variety and a wonderfully prolific yielder, the ears being very uniform in size. Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.25; bu., \$4.50.

PEEP-O'-DAY. A very dwarf but very early white variety, probably the earliest in cultivation, sweet and of good quality. Price: Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.25; bu., \$4.50.

PREMO. This is an early white variety of good quality, ears ranging from 5 to 7 inches in length and produce generally two to a stalk. Price: Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.10; bu., \$4.25.

COUNTRY GENTLEMAN. One of the best known of the mid-season varieties. Is the old shoepeg type of kernel; pure white, very sweet and tender. It is a good yielder and remains ready for use longer than any other sort. Extensively used for canning. Price: Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.25; bu., \$4.50.

EARLY CHAMPION. A good second early Corn, especially valuable to market gardeners, who always find a ready sale for large, well-filled ears. Quality is excellent. It is also a very productive variety, averaging two to three ears to a stalk. Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.10; bu., \$4.25.

KENDEL'S EARLY GIANT. As the name implies, this is a very large Corn, maturing in season with the Early Champion and like that one, a favorite with market gardeners. Price: Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.10; bu., \$4.25.

POP CORN

A Profitable Crop. Boys and girls can easily grow an acre or so and dispose of the product to the groceryman. We have choice seed. It pops large and white. Pkt., 5c; pt., 15c; qt., 25c; pk., \$1.00.

If to be mailed, add 5c to pint, 10c to quart, for postage, to price.

CHICAGO MARKET. Quite a popular variety with the market gardeners in the vicinity of Chicago on account of its productiveness, large size, and splendid table qualities. Kernels white, ripening in mid-season. Price: Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.25; bu., \$4.50.

BLACK MEXICAN. Well known and a favorite in a great many home gardens, the kernels having a decidedly bluish tinge when ready to eat, later turning to black. It is one of the sweetest varieties in cultivation. Price: Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.25; bu., \$4.50.

Stowell's Evergreen The most popular late Sweet Corn. More extensively

planted than any other sort, being the general favorite with market gardeners and canners for late use. If planted at the same time with earliest kinds, it will keep the table supplied until October. Ears are of good size, grain deep, tender, and sugary, remaining a long time in condition for cooking. Pkt., 5c; pt., 15c; qt., 25c; pk., \$1.10; bu., \$4.25.

EARLY EVERGREEN. Possessing all the merits of the Stowell's and maturing about ten days earlier. It is a splendid Corn for either the gardener or canner. Pkt., 5c; pt., 15c; qt., 25c; pk., \$1.10; bu., \$4.25.

ZIG ZAG EVERGREEN. Pkt., 5c; pt., 15c; qt., 25c; pk., \$1.25; bu., \$4.50.

EXTRA EARLY ADAMS. Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.00; bu., \$3.25.

Other Varieties Carried in Stock

Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.10.

CROSBY'S EARLY. This is extensively grown for canning. Ears short, grain thick and sweet. Comes in three or four days later than Early Minnesota.

EARLY MINNESOTA. An old and popular dwarf variety. One of the best for market and private gardens.

EARLY RED CORY. Dwarf in habit. Ears of fair size. Cob red. An old standard.

SHAKER'S EARLY. A favorite market sort.

MOORE'S CONCORD. Medium early; 12 to 16 rowed. Ears large and well filled. Good to follow Crosby.

PERRY'S HYBRID. Nearly as early as Minnesota; larger ears, twelve to fourteen rowed.

OLD COLONY. Ripens a little ahead of Stowell's Evergreen. Stalks grow tall and carry usually two large ears.

MAMMOTH. Ripens a little later than Evergreen. Large ears; kernels flat; largely used by canners and gardeners.

COLLARDS A form of cabbage very extensively used in some of the Southern States. One ounce for 150 feet of row. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

CORN SALAD, or Feticus

Sow in spring, in drills one foot apart. It will mature in six weeks. For early spring use, sow in September and winter over like spinach.

One ounce will sow about 18 square feet.

BROAD-LEAVED (Large-Seeded). A delicious salad, used during the winter and spring months as a substitute for lettuce, and also cooked and used like spinach. Pkt., 5c; oz., 10c. ¼lb., 20c.

CRESS, or Peppergrass

Sow early in the spring, rather thickly, in shallow drills, one foot apart, in the open ground; for a succession, sow at short intervals throughout the season.

DOUBLE CURLED. For salads and garnishing. Leaves are pungent. Pkt., 5c; oz., 10c; ¼lb., 20c.

WATER CRESS. Scatter the seed on a muddy bank of an ever-running stream. Pkt., 10c; oz., 30c.

UPLAND CRESS. Perennial. It is ready to use very early in spring. Has the flavor of Water Cress. Pkt., 10c; oz., 25c.

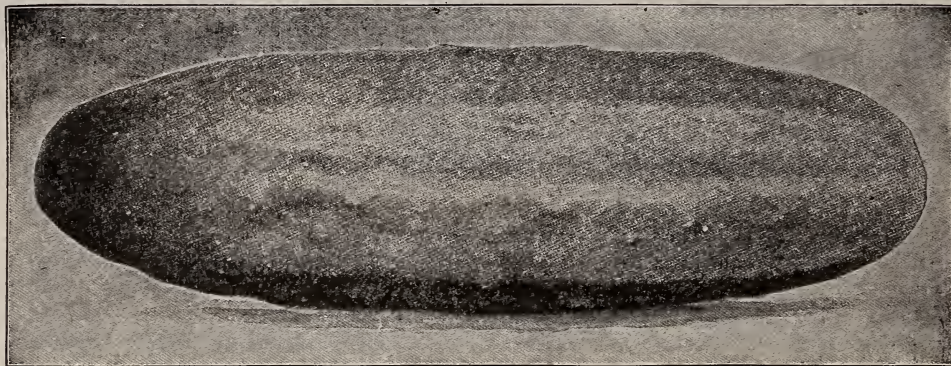
GURKE, Ger.

CUCUMBER

CONCOMBRE, Fr.

Cucumbers succeed best in warm, moist, rich, loamy ground. They should not be planted in the open air until there is a prospect of settled warm weather. Plant in hills about four feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil in each a shovelful of well-rotted manure. Sprinkle the vines liberally with **Slug Shot** to protect from bugs, and when all danger from insects is past, thin out the plants, leaving three to four of the strongest to each hill.

One ounce of seed will plant about 50 hills; two pounds will plant an acre.



DAVIS PERFECT CUCUMBER

Davis Perfect A splendid cucumber for the home garden and for the truck farmer. Possesses all the merits of the best slicing varieties; wonderfully uniform in shape and exceedingly productive. Their handsome shape and fine dark green color commands the highest price on the market. For that reason it is rapidly becoming a favorite with our market garden customers. Also a good greenhouse Cucumber. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

EVERGREEN WHITE SPINE. An extra long, dark green Cucumber, one of the very best for slicing and an excellent variety for shipping. We can recommend this for either the home gardener or trucker. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

IMPROVED LONG GREEN. This is an old, well-known variety, attaining a length of about 12 inches. A favorite for sweet pickles and also desirable for slicing. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

Cumberland A distinct variety of the White Spine type. The fruits are rich, dark green, large, straight and symmetrical. Cumberland is as choice a slicing variety as it is for pickles. The flesh is solid, crisp, tender, and of excellent quality at all stages of growth. Pkt., 5c; oz., 10c. ¼lb., 30c; lb., \$1.00.

Chicago Pickling Originating in Chicago, it is now one of the most valuable of the pickling varieties. Of robust growth, it is a reliable and heavy cropper. Fruit is a fine dark green color. In shape, tapering to each end and very uniform. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

JERSEY PICKLING. A standard pickling variety, slender and tapering, of good quality and color. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

ARLINGTON WHITE SPINE. This variety is used for forcing in frames and hothouses. Long fruits of dark green color. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

KLONDIKE. Averages 6 to 7 inches in length. Color, dark green. The young fruits are good for pickles. Also one of the best for slicing. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

EARLY CLUSTER. Vine vigorous, producing the bulk of the crop near the root and in clusters. Fruit short, with uniformly thick end, dark green, but paler at blossom end. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

EARLY FRAME, or SHORT GREEN. A desirable variety either for pickling or slicing. Fruit bright green, straight, round at each end. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

EXTRA EARLY GREEN PROLIFIC. Ten days earlier than the ordinary kind. Small, good for pickles. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

NICHOLS' MEDIUM GREEN. An old standard variety of good size and superior quality. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

WEST INDIA GHERKIN, or BURR. Small, prickly fruit. This is the variety that is used for small pickles. Pkt., 5c; oz., 10c; ¼lb., 50c.

JAPANESE CLIMBING. This variety can be trained upon fences and trellises, producing good fruit for slicing or pickling, and is quite a novelty in the garden. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., \$1.25.

FORCING CUCUMBERS

TELEGRAPH. Suitable only for growing in frames or in greenhouses. Smooth green fruit, 14 to 16 inches in length. Pkt., 20c.

Add 8c to pound prices if we are to mail. We pay postage on smaller quantities.

EGG PLANT

EIERPFLANZE, Ger.

AUBERGINE, Fr.

Sow in hotbed early in spring; transplant 2½ feet apart each way after weather becomes settled and warm. If no hotbed is at hand, plants may be started in pots or boxes. The potato beetle is very fond of the plants. Paris Green, also Slug Shot, applied same as to potatoes, will keep them in check. One ounce for 1,000 plants. For prices on plants, see page 31.

NEW YORK IMPROVED PURPLE. This variety is a general favorite both for market and private use. Plants large, spreading, foliage light green; fruit very large, oval; color a splendid dark purple. Plants usually ripen four to eight large fruits. Pkt., 5c; oz., 35c; ¼lb., \$1.00.

ENDIVEN, Ger.

ENDIVE

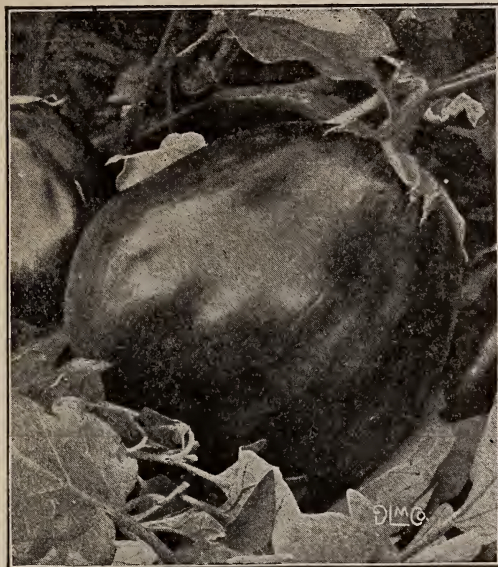
CHICOREE, Fr.

For the first crop, sow in May, and for succession, in June and July. When the plants are two or three inches high, transplant them into light soil, one foot apart. When the leaves are eight to ten inches long, tie the tops together to blanch the heart and remove the bitter taste. Lift late in fall with ball of earth attached and place close together in a frame or cellar. It makes a delicious salad for winter use. One ounce will sow 150 feet of drill.

GREEN MOSS CURLED. A unique variety, somewhat resembling a tuft of moss. Very crisp, tender, and of good flavor. Being less hardy than other sorts, it requires protection from cold. Pkt., 5c; oz., 15c; ¼lb., 35c. lb., \$1.15.

BROAD-LEAVED BATAVIAN. Has slightly wrinkled thick leaves. It is usually grown for use in soups and stews. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.15.

GARLIC Used by some for seasoning soups, stews, etc. Plant the sets in spring and cultivate like onion sets. ¼lb., 15c; lb., 40c, postpaid.



NEW YORK IMPROVED EGG PLANT

HORSE RADISH

This is grown from pieces of roots. Plant in spring, small end down. Sets by mail, postpaid: dozen, 25c; 100, 75c. In larger quantities, write for prices.

KOHLRABI

Turnip-Rooted Cabbage

KOHLRABI, Ger.

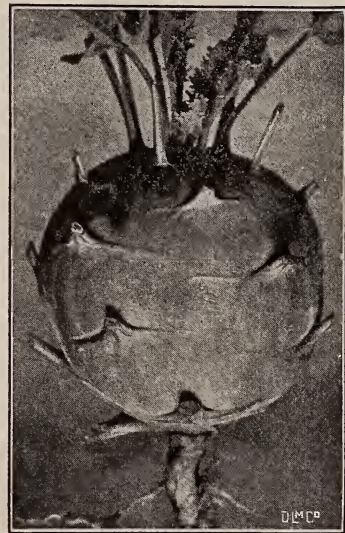
CHOU-RAVE, Fr.

For early use, sow in hotbed, afterwards setting plants 8 inches apart in rows. For later use, sow seed in drills and thin out. One ounce of seed will sow a drill of about 200 feet.

WHITE SHORT LEAVED. Much superior to Vienna. It is very early and the best for forcing as well as for outdoor culture. Bulb is greenish-white, smooth, of finest texture and quality. Pkt., 10c; oz., 25c; ¼lb., 75c. lb., \$2.60.

EARLY WHITE VIENNA. Early, small, white bulb. Best for table use. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.

EARLY PURPLE VIENNA. A little later than the white; color purple. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.

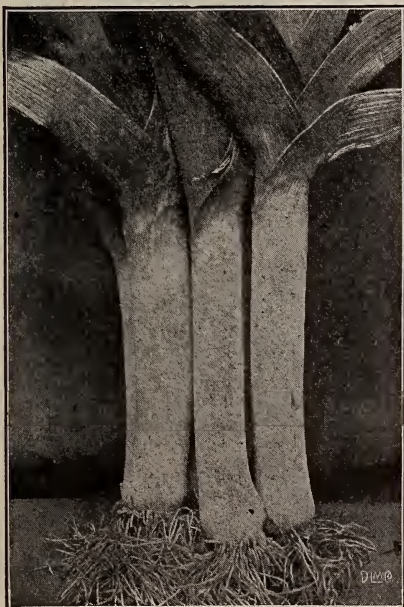


EARLY WHITE VIENNA KOHLRABI

USE ORDER SHEETS

The use of order sheet enclosed in this catalog is a great help to us in facilitating filling and shipping of orders. More will be sent on receipt of a postal asking for same.

Keep a Copy of Your Order. Check goods received with this copy.



LEEK, MUSSELBURGH

LAUCH, Ger.

LEEK

POIREAU, Fr.

One ounce of seed to 150 feet of drill.

Sow seed out-of-doors in June and thin out to 4 inches apart. Leek is a vegetable of unusual merit, and is not half appreciated by the American people, while it is regarded as a great favorite by many of our foreign population.

LONDON FLAG. This is the sort chiefly grown by market gardeners. It is of excellent quality, mild flavor and uniform. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., \$1.25.

MUSSELBURG. Large and broad leaves. Flavor mild and pleasant. A good Leek. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.50.

MONSTROUS CARENTAN. The largest variety, often three inches in diameter, and becoming very white and tender. A very hardy and desirable sort, which is worthy of more extensive cultivation. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.50.

Add 8c to lb. price if to be mailed.

CANTALOUPE, Ger.

MUSKMELON

MELON MUSCADE, Fr.

Prepare hills 4 to 6 feet apart in a rich, moderately dry sandy soil, thoroughly mixing therewith well-rotted manure. Early in May, or when ground has become warm, plant 10 to 12 seeds one inch deep in each hill, afterwards thinning out so that 3 or 4 plants remain. Pinch the vines when blossoming begins, to promote fruitfulness, and cultivate till the vines cover the ground. To combat insect attacks, dust with ashes, lime, or road dust. **Use SLUG SHOT to kill them.**

One ounce of seed for 60 hills; 2 to 3 pounds per acre in hills.

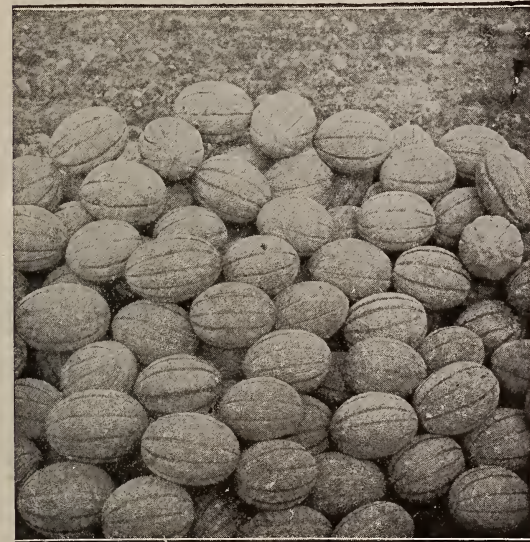
GREEN-FLESHED VARIETIES

EXTRA EARLY HACKENSACK. An early strain of the well-known large Hackensack. Very popular with the market gardeners as it is the first of the large melons to be ready for market. The fruit is of good size, round and heavily netted. Flesh green, very sweet and good flavor. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

CHICAGO MARKET. A large, round melon, much esteemed in the Chicago market. Green flesh, which is thick, fine grained and very sweet. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

LONG ISLAND BEAUTY. A handsome melon. In form nearly round; somewhat flattened at the ends. Matures early and is hardy and reliable. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.25.

MONTREAL MARKET. A very large melon, extensively grown in the vicinity of Montreal. Deep green flesh of excellent quality. The fruits are round, flattened at the ends, and have very broad ribs. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.25.



ROCKY FORD MUSKMELON

Rocky Ford Nearly every leading hotel and restaurant in America uses large quantities of this famous melon, which is just the right size to serve in halves. The ripe melons are beautifully netted and ribbed. Solid green flesh, sweet and melting. We offer a splendid strain of seed of this fine melon, grown for us at Rocky Ford, Colo., saved from specimens that were especially selected for seed purposes. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

IMPROVED GREEN NUTMEG. An old, well-known variety. In shape, nearly round. Flesh greenish yellow, sweet, and of delicate flavor. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

GREEN CITRON. An early well-known sort; sweet, juicy, and delicious. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

MANGO MELON, or VINE PEACH. About the size of an orange, sometimes called "Orange Melon." Fine for sweet pickles or preserves. Pkt., 5c; oz., 25c.

GARDEN LEMON. Similar in size and habit of growth to Mango Melon, but with sharper flavor. Pkt., 5c; oz., 25c.

ORANGE OR SALMON-FLESHED VARIETIES

OSAGE. The best known and most in demand of the red-flesh varieties. Medium size, oval in shape; skin very dark green and slightly netted. The flesh is a rich salmon color, very thick and sweet and of delicious flavor. The market gardeners in the vicinity of Chicago grow this melon extensively, and we have secured a splendid strain of seed to meet their demands. Pkt., 5c. oz., 15c; ¼ lb., 35c; lb., \$1.25.



LEWIS' PERFECTION

Lewis Perfection A melon of recent introduction. The largest of the red-flesh sorts, averaging 8 to 12 pounds in weight. Dark-green rind, orange flesh of excellent quality. This melon should be better known. It is a suitable variety for the home garden. Pkt., 5c; oz., 30c; ¼lb., \$1.00.

Davis White-Seeded This fine new melon is quite distinct in shape. Skin dark green. Firm, deep flesh of delicious flavor. Very prolific; a rampant grower; an excellent shipping variety. A few days earlier than Osage. Pkt., 5c; oz., 30c.

PAUL ROSE. This melon is a cross between the Osage and Netted Gem, and about ten days earlier than the former. Of a size very suitable for shipping in baskets, it is becoming very popular in the market, especially where its superior qualities are known. The thick, red flesh is exceptionally sweet. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., \$1.25.

BURRELL'S GEM. A splendid shipping variety, each melon averaging 2¼ pounds in weight. Very tough but thin rind, which is heavily netted. The flesh is an attractive reddish orange and fine grained, thick and sweet. Has a peculiar flavor of its own. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., \$1.25.

HOODOO. A new melon with many good qualities. Its size is about that of the popular Rocky Ford, which appeals to the shipper, while the delicate flavor of the thick, red flesh should commend it to every private gardener. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.25.

TIP TOP. Hardy, vigorous-growing melon of Tip Top quality, commendable to either the truck grower or private gardener. Medium size, yellow flesh, juicy and sweet. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.25.

EMERALD GEM. Well known variety of recognized merit. Of medium size, nearly round. Smooth, dark-green skin, salmon-colored flesh, of a lusciousness equaled by few others. One of the best for home use. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., \$1.25.

WASSERMELONE, Ger.

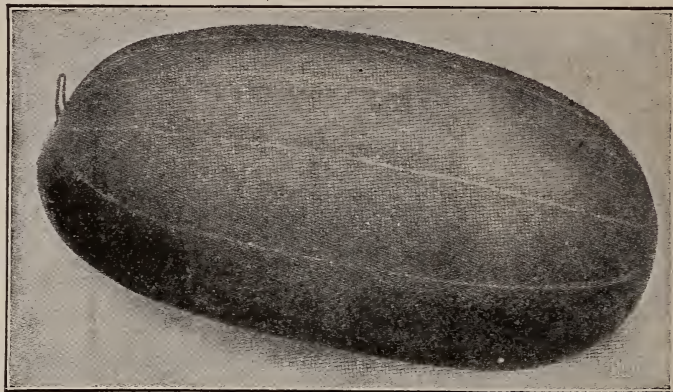
WATER MELON

MELONE D'EAU, Fr.

Watermelons delight in a light, sandy soil, fully exposed to the sun. Plant in hills 8 feet apart each way. Put eight or ten seeds in each hill; when danger from insects is past, thin out to three plants. One ounce of seed will make 20 or 30 hills; 4 pounds are sufficient for an acre.

Tom Watson

sally known and planted. No doubt, one of the very best of the large sorts. Attains a weight of about 50 pounds. Oblong in shape, with a thin but tough rind. Dark green, somewhat mottled. The flesh is solid and sweet, of a very handsome scarlet throughout. The many merits of this melon recommend it to both the shipper and the home gardener. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.



Kleckley Sweets

A splendid melon for the home garden. Weighs 20 to 25 pounds. Oblong shape. Dark green rind, very thin. Flesh unusually sweet and fine grained. Ripens close to the rind. Of recent introduction, it has become very popular. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

Cole's Early

For the northern states this is desirable on account of its extreme earliness and vigorous growth. Rather small and nearly round in shape.

Light green rind, striped with darker green. Scarlet flesh, solid and sweet. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

ALABAMA SWEET.

Good shipping melon. Oblong in shape; very thin but tough rind, dark green mottled. Flesh bright scarlet. Price: Per pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

BLACK DIAMOND.

Very dark skinned melon of good size and of excellent shipping qualities. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

CITRON.

Round; striped and marbled. Seeds red; flesh white. Used for pickles and preserves. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

CUBAN QUEEN.

Oval-shaped. Very productive, averaging about 30 pounds in weight. Rind light and dark green mottled. Flesh scarlet. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

DARK ICING.

Medium size, oval shape melon. A good variety for the home garden as it matures early. Has a thin rind, thick flesh, deep pink and very sweet. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

WATERMELON—TOM WATSON

DIXIE. Very popular in the south. Medium size. Rind very thick; dark green striped lighter. Flesh bright scarlet, firm and sweet. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

SWEETHEART. A light green melon, slightly mottled, nearly round in shape. Very thin rind, bright red flesh, fine grained and very sweet. Ripens down close to the rind. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

PHINNEY'S EARLY. Hardy, robust growing variety, oblong shape. Rind light and dark green mottled. Flesh pink, of very good quality. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

HALBERT'S HONEY. A long, dark green melon of recent introduction. Rind very thin and brittle. Flesh bright scarlet, solid and sweet. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

HUNGARIAN HONEY. A small, early melon, one of the sweetest. Very productive, and suitable for planting in the northern states. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

PEERLESS, or ICE CREAM. A hardy and productive melon, oval shape, bright green mottled. Flesh light pink, firm and sweet. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

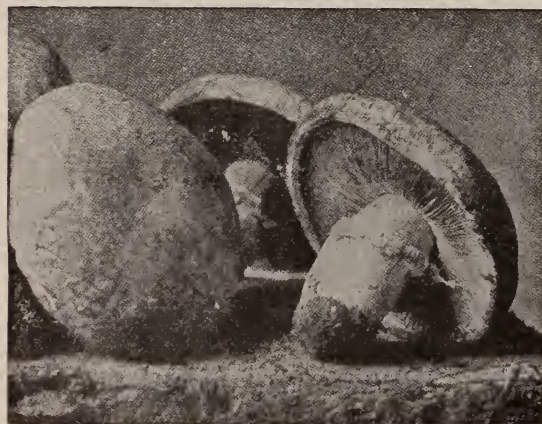
BLANC DE CHAMPIGNON, Fr

MUSHROOM SPAWN

CHAMPIGNON BRUT, Ger.

Mushrooms are much enjoyed as a table luxury. They may be grown in a variety of situations—a dark room, cellar, stable, in sheds, under greenhouse benches—where the temperature can be maintained at 50 to 65 degrees. **Ten pounds of spawn are required for ten feet square.**

The mushroom spawn we sell is the product of a noted English maker. We import stock several times each year



ENGLISH MILL TRACK SPAWN

CULTURAL DIRECTIONS.—Two or three weeks before the bed is to be made, collect a quantity of horse manure, free from straw, and mix an equal weight of loam from an old pasture with it. Place it under cover, turning it over once or twice a week until the fiery heat has become exhausted. When the manure is in condition to be made up, lay out the bed, say three feet wide, ten feet long, and make the bed in layers of about one foot deep; press it down firmly as the process of building goes on. When the bed has been made some time, say a week or thereabouts, and the heat is sufficiently declined to a temperature of about 65 or 75 degrees, the spawn may be put into it. Break the spawn in pieces two inches square, and put them six inches apart, all over the bed, then cover the bed with two inches of rich soil, not too wet or overdry. Cover the bed with a foot of dried straw or hay, and the work is done. If everything goes on well, you may expect mushrooms in about five or six weeks.

ENGLISH MILLTRACK SPAWN. Stock of recent importation. It comes in bricks weighing twenty ounces. Each brick is sufficient for eight square feet of bed. Per brick, 15c (by mail, 25c). By express: 5 lbs., 65c; 10 lbs., \$1.00; 25 lbs., \$2.00. Purchaser pays the transportation charges.

Books about Mushroom Growing

Mushroom Culture. An English work. 50c, postpaid.
Mushrooms. By Wm. Falconer. The best American book for beginners. Goes into full details. \$1.00, postpaid.

MARTYNIA, For Pickles

The young and tender seed-pods make excellent pickles, and as they are produced in great abundance, a few plants will suffice for an ordinary garden. Sow in May or June. Pkt., 10c; oz., 30c; ¼lb., \$1.00; lb., \$3.00.

MUSTARD, For Salads or Greens

SENF, Ger. MONTARDO, Fr.

Sow thickly in shallow drills a foot apart, and cut when a few inches high. May also be boiled and eaten like spinach.

One ounce sows 75 feet of drill.

WHITE. Excellent for salads or garnishing. Oz., 5c; ¼lb., 15c; lb., 35c.

BLACK or BROWN. Leaves oblong, broad and cut. Seeds reddish brown. Oz., 5c; ¼lb., 15c; lb., 35c.

SOUTHERN GIANT CURLED. Leaves much crumpled at the edges and twice the size of the ordinary White Mustard. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.

GIANT SMOOTH LEAF. Large, fleshy leaves of mild flavor. Plant 12 to 18 inches across. A favorite variety in the South. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.

ZWIBEL, Ger

ONION SEED

OGNON, Fr.

We pride ourselves in supplying the **VERY BEST ONION SEEDS** that can be produced

ANY ARTICLE which is used in quantities proportionately large becomes an article of sharp competition, and this business rivalry naturally leads to strife to produce the commodity at lowest possible price. This; in many things, is legitimate and desirable, but **emphatically NOT SO in Onion Seed.** Nevertheless, the effort to offer Onion Seed at low prices has a tendency to make the grower less careful in its production, the result being seeds **not** of the high quality appreciated by experienced planters.

The Onion is most successfully grown in a rich, sandy loam. Continued cultivation upon the same plot of ground, contrary to the general rule, rather improves the crop than otherwise.

As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering half an inch. When the plants first appear in the rows, commence hoeing, just skimming the surface. Subsequently, weed thoroughly and carefully by hand. When the tops die, pull the onions and spread evenly over the ground; stir or turn until thoroughly dried, then cut the tops off one-half inch from the bulb. Winter in a frost-proof place.

One ounce for 200 feet of drill; 4 to 5 lbs. for an acre.

GLOBE ONIONS are preferred by some growers to those of any other shape. Such onions do not occupy any more space in the row; their size and solidness make them weigh out and measure more, and their attractive appearance finds for them ready sale in nearly all markets.

SOUTHPORT YELLOW GLOBE. Large and fine-shaped globe onion of excellent quality, well known to all onion growers and regarded by them as one of the best. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$1.70; 5 lbs. for \$8.00.

YELLOW GLOBE DANVERS. A well-known standard onion for market purposes and home use. A heavy cropper and good keeper. Skin, silvery yellow; flesh white, comparatively mild and well flavored. Pkt., 5c; oz., 15c; ¼lb., 45c; lb., \$1.50; 5 lbs., \$6.50.

MICHIGAN YELLOW GLOBE. This onion, while globe shaped, has a somewhat flattened base. The bulbs are deep yellow in color, ripen early, and are good keepers. Pkt., 5c; oz., 15c; ¼lb., 45c; lb., \$1.50; 5 lbs. for \$6.50.

SOUTHPORT WHITE GLOBE. One of the most beautiful globular onions. Of large size, fine quality, and salable anywhere. Market gardeners find it an excellent sort to plant for bunching. Pkt., 5c; oz., 20c; ¼lb., 70c; lb., \$2.50; 5 lbs. for \$11.50.

NASTURTIUM, or INDIAN CRESS

The seed pods, gathered green, are used in flavoring pickles, or as a substitute for capers.

TALL. Climber, 10 ft. high, ornamental flowers, large seeds. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

DWARF. A trailer, requiring no support; smaller but more profuse. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

OKRA, or GUMBO

ESSBARER SAFRAN, Ger.

GUMBO, Fr.

Sow after weather becomes warm, in rows three feet apart, two feet apart in the rows. Will succeed in any good garden soil. The young green pods make a healthful and nutritious soup, and when pickled are a fine salad.

IMPROVED DWARF. A distinct early variety. Pods comparatively short. Pkt., 5c; oz., 10c; ¼lb., 15c; lb., 50c.

WHITE VELVET. Bears round, white, smooth pods, unlike other varieties, which are ridged or square-edged. The pods are of extra large size, and are produced in great abundance. Pkt., 5c; oz., 10c; ¼lb., 15c; lb., 50c.



Barnard's Select Red Globe

Handsome both as to shape and color.

A selection of the Southport strain of fine quality for the home garden. A splendid shipper. Growers for the southern market should raise this variety. It is a good yielder and matures early. Color a rich dark red; thin, glossy skin. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.25; 5 lbs. for \$10.00.

SOUTHPORT RED GLOBE. Splendid variety, grown very extensively. Of good color and shape. Pkt., 5c; oz., 20c; ¼lb., 50c; lb., \$1.70; 5 lbs. for \$8.00.

Barnard's Yellow Globe

This splendid strain of the high globe type onions matures early and very uniformly. The neck is small and ripens down close to the bulb. Color is an attractive bright yellow so much in demand in all the markets. Bulbs are fine grained, solid and excellent keepers. Our present fine strain of this variety is the result of careful selection of the bulbs at planting time with reference to their size, shape, and color. Large onion growers and market gardeners will do well to try this variety. We are having an increasing demand for it each season. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00; 5 lbs. for \$9.00.

ONION--Continued

Prizetaker Very large, mild-flavored onion, sometimes called "Mammoth Spanish." Attains its largest size when started in hotbeds and transplanted. It is quite globular in form with a light yellow skin, and in quality almost equal to the imported onions. A favorite variety to grow for exhibition purposes. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.40; 5 lbs. for \$6.00.

Ailsa Craig This is a recently introduced onion of the Prizetaker type, which, like that variety, in order to obtain best results, should be started in hotbeds. Grows to an even larger size than the Prizetaker. It is lighter in color, skin almost white. It is very fine grained, with mild flavor. It is now being grown quite extensively and profitably by market gardeners. Should have a place in the home garden. Pkt., 10c; oz., 40c; ¼lb., \$1.40; lb., \$4.00.

Flat Varieties

RED WETHERSFIELD. Most popular of the red flat varieties. Grows to a large size and is very productive. Being a good keeper, it is grown largely for shipping and also for onion sets. Color, very dark red. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.25; 5 lbs. for \$5.00.

EXTRA EARLY RED FLAT. This is a smaller and earlier onion than the Red Wethersfield. Of good quality and flavor. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.25; 5 lbs. for \$5.00.

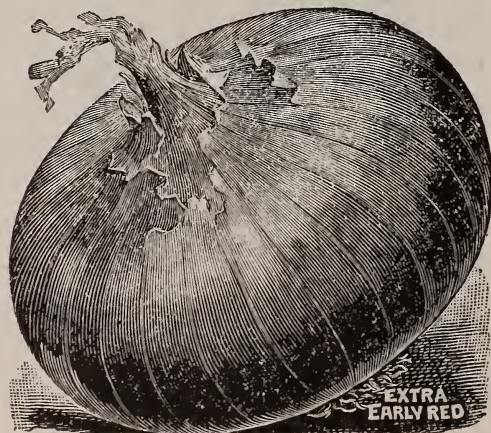
WHITE PORTUGAL. An early, white, flat variety. A favorite with set growers, and a good pickling sort. Also forms a fair sized onion of good keeping quality. Pkt., 5c; oz., 20c; ¼lb., 45c; lb., \$1.50; 5 lbs. for \$7.00.

YELLOW DUTCH or STRASSBURG. This is the kind largely used around Chicago and elsewhere for growing sets. Produces a handsome set of good shape and color and of splendid keeping qualities. Also will mature into a good marketable sized onion. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., \$1.00; 5 lbs. for \$4.50.

YELLOW FLAT DANVERS. This differs from Yellow Globe Danvers in that the bulb is flatter. Being a heavy yielder, it is largely cultivated both for market and home use. It is also grown to a considerable extent for sets. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., \$1.00; 5 lbs. for \$4.50.

AUSTRALIAN BROWN. Of medium size; brownish yellow color. Very hardy and probably the best keeper of all. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., \$1.00; 5 lbs. for \$4.50.

Add 8c to lb. price if to be mailed.



PRIZETAKER ONION

Imported Onion Seed

MAMMOTH SILVER KING. In this onion are combined these desirable qualities: immense size, fine shape, white flesh of wonderful tenderness and sweetness. **Matures early.** For exhibition purposes and for fancy grocery trade this onion is a desirable one to grow. Pkt., 5c; oz., 20c; ¼lb., 40c; lb., \$1.50.

WHITE QUEEN. Fine pickling variety. Bulbs flat and small. Sown in February, they will make onions one or two inches in diameter in early summer. Very early and of rapid growth, and keeps the year round. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.50; 5 lbs. for \$7.00.

Bermuda Onion Seed

Seed Offered is Genuine Teneriffe Grown

In very early spring, the handsome oval Bermuda onions reach the northern markets, where their great size at once arrests attention. They are tender and mild in flavor. These fine onions can be grown in our northern climate, but will not attain the size of the imported ones. For best results sow in hotbed and transplant.

RED BERMUDA. Pkt., 5c; oz., 25c; ¼lb., 80c; lb., \$3.00.

WHITE BERMUDA. Pkt., 5c; oz., 25c; ¼lb., 80c; lb., \$3.00.

CRYSTAL WHITE WAX. A white flat onion; fine for slicing. Pkt., 5c; oz., 35c; ¼lb., \$1.25; lb., \$4.00.

ONION GROWERS and Market Gardeners who use large quantities of Onion Seed should write us for special prices. Name quantity and kinds wanted.

Add 8c to pound prices if we are to mail the seeds.

ONION SETS

Bottom Sets are grown from seed, and are the most used. **Top Sets** are cultivated in some parts of the country. **White Multipliers** are fine for bunching green. They are enormously productive. **Three quarts of sets will plant a row 100 yards long.**

White Bottom Sets.....	Pint, 15c.....	Quart, 25c
Yellow Bottom Sets.....	" 15c.....	" 25c
Red Bottom Sets.....	" 15c.....	" 25c
Top Onion Sets.....	" 15c.....	" 25c
Potato Onion Sets.....	" 25c.....	" 35c
White Multiplier Sets.....	" 20c.....	" 35c

If to be mailed, add 10c per quart.

Prices on large quantities are subject to market changes. Write us when you are ready to buy, stating quantity and kinds wanted.

Seeds by Mail. To our pound prices 8c should be added to cover postage.

PARSLEY PETERSILIE, Ger. PERSIL, Fr.
1 oz. will sow about 150-ft. of drill.

Soak the seeds a few hours in lukewarm water and sow early in spring, in drills one foot apart. Thin out the plants to four inches. To preserve in winter, transplant to a light cellar or glass frame. Used for garnishing and seasoning soups, meats, etc.



CHAMPION MOSS CURLED PARSLEY

CHAMPION MOSS CURLED. The leaves are extra large, extra dark green, tender, crimped and curled. Just the thing for bunching in pot herbs. We recommend this variety for either greenhouse or outdoor planting. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

FINE DOUBLE CURLED. A curled variety having crimped leaves. It is used mostly for garnishing. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

PLAIN OR SINGLE. Plain leaves of excellent flavor. They are longer than those of the curled Parslies. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

HAMBURG. The edible portion is the fleshy root. It is highly esteemed for flavoring soups, stews, etc. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

PARSNIP PASTINAKE, Ger. PANAIS, Fr.
1 oz. will sow about 150 ft. of drill.

Cultivate as for Carrots. It is customary to leave Parsnips in the ground over winter, as frost improves the quality of the roots. The Parsnip is valuable not only as a table vegetable, but for stock feeding purposes also.



MAGNUM BONUM PARSNIP

Magnum Bonum It gives the utmost satisfaction and yields the most money to the market gardener because of its decidedly handsome appearance, smooth, heavy roots, which are broad at the shoulder, fine grained, and of superior quality. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

HOLLOW CROWN. An old standard sort, long, sweet, and very productive. One of the best for general cultivation. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

IMPROVED GUERNSEY. This is a good, half-long variety, having smooth roots. It is of good quality and recommended for the family garden. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

EARLY ROUND. The earliest. Roots are of small size. Sometimes used for bunching with pot herbs. For shallow soils use this sort. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

PEANUTS

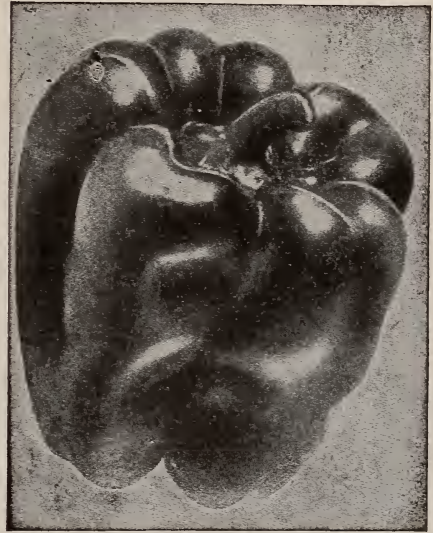
When sending your seed order, don't forget to order a few Peanuts for the boys and girls. Plant in May, in drills 3 feet apart, placing the nuts 8 to 12 inches apart in the drill. Cultivate flat and keep clean. By mail, postpaid, ¼lb., 15c; lb., 25c.

PFEFFER, Ger. **PEPPER** PIMENT, Fr.

Peppers are indispensable as a seasoning for soups and meats. The large varieties are mainly used for the purpose, and for pickling. The mild, sweet varieties, like **Golden Dawn** and **Ruby King**, are used for mangoes, while the small-fruited sorts are best for sauces.

Peppers are more tender than most vegetables. The seed should be sown in a hotbed, cold-frame, or if no other convenience, a box in the window, and transplanted about the last of May. They can be sown in the open ground when the weather becomes warm and settled. Warm, mellow soil, well fertilized, should be used.

One ounce of seed for 1,500 plants.



CHINESE GIANT PEPPER

Chinese Giant A very large, mild-flavored pepper, of a bright scarlet color when ripe. Excellent for eating and stuffing. A good variety for the market gardener to grow. Pkt., 5c; oz., 30c; ¼lb., 25c; lb., \$3.25.

Nocera Sweetest and mildest of all peppers. Can be picked from plant and eaten as one would eat an apple. It is an early fruiting variety and an abundant yielder. The plants make a very handsome appearance in any garden with their showy scarlet fruit, which attains to a large size. Be sure to plant this pepper. Pkt., 5c; oz., 20c; ¼lb., 75c.

LARGE BELL, or BULL NOSE. An old, standard variety, of vigorous growth and productive. Fruit of good size, dark green turning to scarlet at maturity; mild, pleasant flavor. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.

SWEET MOUNTAIN. Similar to Bell; very popular for stuffed pickles. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.

GOLDEN DAWN. Color bright golden yellow, very brilliant and handsome. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.

RUBY KING. A pepper of large size, well known and much esteemed by truck growers. When ripe, its color is a beautiful ruby red, very attractive and of good quality. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.00.

LONG RED CAYENNE. Slender fruit; green turning to scarlet. Very pungent and hot. Pkt., 5c; oz., 25c; ¼lb., 60c; lb., \$2.00.

CELESTIAL. Conical fruits, creamy tinted, turning to scarlet when ripe. Pkt., 5c; oz., 25c; ¼lb., 75c.

CHERRY RED. Smooth, round variety. Fruit glossy scarlet. Pkt., 5c; oz., 25c; ¼lb., 75c.

PEPPER PLANTS. These we can supply in season. (See page 31 at end of Vegetable Seeds.)

ERBSEN, Ger.

GARDEN PEAS

POIS, Fr.

Our Seed Peas are all grown in the north, and are of the **earliest and hardiest as well as the purest strains**. They are far superior to most of the Seed Peas sold. They may be expected to bring well-filled pods, which cheap and carelessly grown seed will not do.

The number of Garden Peas is almost limitless. While new and improved sorts are constantly being brought out, a great many of the others continue to be popular. It is worth while to make a trial of some of the new ones offered here as well as the standard sorts on the page which follows this, to determine upon the best for future use.

The smooth-seeded early sorts, such as **Leader, Alaska, and First and Best**, can be sown while frost is yet in the ground, while larger and sweeter peas sown at the same time would rot. **Sow some of the early, second early, and late varieties at intervals of about two weeks apart, and your table will be supplied with delicious peas during the entire season.**

Dwarf and Half Dwarf Smooth Peas

FIRST AND BEST. 2½ ft. A well-known variety; very early and hardy. Planted quite extensively by southern truckers. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$1.75.

BARNARD'S LEADER. 2¼ ft. A round, smooth pea, in size similar to the First and Best, but more uniform and more prolific. Matures very early. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$2.00.

ALASKA. 2¼ ft. This is the pea used extensively by canners and truckers for the early market. We have a splendid strain of this variety. Much labor has been expended on it with a view of obtaining earliness, productiveness, and uniformity of growth. Our stock now is such that we can recommend it to the most critical canner or market gardener. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$1.75.

TOM THUMB. 12 inches. Peas smooth and white. A very hardy, extremely dwarf variety. Good for early planting. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$2.00.

Add 8c to pint, 15c to quart prices, if to be mailed.

Dwarf growing Peas require very rich soil and *need no support of any kind*; tall growing sorts should be trained to wire trellises or supported by brush. Wrinkled peas are the sweetest, and are recommended for the home garden.

Figures preceding description of varieties indicate height.

One quart of seed will sow 100 feet of drill.

Saxonia 2 ft. Much effort and money has been expended to produce a large-podded "First and Best" pea. Hitherto, these attempts have only succeeded at the expense of earliness. The New Saxonia, however, is fully as early and much larger and more prolific than the best strains of First and Best. This gives it a great advantage over any existing sort. Saxonia is thoroughly fixed and free from sporting tendencies, of healthy, vigorous growth, and very hardy. The pods are 3½ to 4 inches long and borne in pairs. Market gardeners who tried this pea speak very highly of it, and we look forward to a large demand for seed the coming season. Pkt., 10c; carton, 15c; pt., 25c; qt., 40c; pk., \$2.50.

Dwarf Wrinkled Varieties

Little Marvel 18 inches. The ideal pea for the home garden, early and enormously productive. Pods borne in pairs; they are about 2½ inches in length, well filled with large peas of delicious flavor. This variety is taking the place of some of the older and better-known dwarf peas. Price, pkt., 10c; carton, 15c; pt., 25c; qt., 40c; pk., \$2.50.

AMERICAN WONDER. 12 inches. The standard variety of this country for a great many years. Very dwarf; matures early and is vigorous and productive, so well known that it needs but little description here. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$2.00.

NOTT'S EXCELSIOR. 15 inches. The pods average fully one-third larger than those of American Wonder, and while Nott's Excelsior may not always be quite so early by a few days, are all ready for picking at one time. Each pod contains 6 to 8 large peas. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$2.00.

SUTTON'S EXCELSIOR. 18 inches. A splendid pea for the home garden. As early as Nott's Excelsior with larger pods that are well filled with large, sweet peas. Pkt., 5c; carton, 10c; pt., 20c; qt., 40c; pk., \$2.25.

PREMIUM GEM. 18 inches. A well-known and very satisfactory variety for the home garden. A little taller and later than the American Wonder. Pods of good size; peas very sweet. Pkt., 5c; carton, 10c; pt., 15c; qt., 30c; pk., \$1.75.

SEDDON. 18 to 21 inches. A new and dwarf variety of exceptional merit. In season about the same time as American Wonder. The vines and pods of Richard Seddon pea are dark green in color. The latter are well filled with large, sweet peas of finest flavor. It has proven a sure cropper, and is certain to meet with universal favor. Pkt., 10c; carton, 15c; pt., 25c; qt., 40c; pk., \$2.50.

Laxtonian 18 inches. The largest-podded of the dwarf wrinkled peas. A splendid new variety, becoming a favorite with those who grow for the market or for the home garden. Might be called a dwarf Gradus. The peas have the same delicate flavor of that variety. Laxtonian matures earlier and is very prolific. If you have not grown this pea, try it this season. Pkt., 10c; carton, 15c; pt., 25c; qt., 40c; pk., \$3.00.

Dwarf Telephone 20 in. This grand pea is rapidly gaining favor among gardeners of all classes. In habit it is dwarf and stocky. Bears close planting, and requires no sticks or supports. The pods frequently measure 5 inches in length, and are broad, straight, and remarkably well filled. A splendid mid-season variety. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$2.25.



NEW EARLY PEA. SAXONIA

GARDEN PEAS---Continued

Half Dwarf Wrinkled Varieties

EVERBEARING. 24 inches. A large-podded, late variety. Good for summer and autumn use. Pkt., 5c; carton, 10c; pt., 15c; qt., 30c; pk., \$1.75.

ADVANCER. 30 inches. A popular variety with canners. Of vigorous growth and very productive. Pods $2\frac{3}{4}$ to 3 inches long and borne well up on the stalks. Pkt., 5c; carton, 10c; pt., 15c; qt., 30c; pk., \$1.75.

HORSFORD'S MARKET GARDEN. 2-2 $\frac{1}{2}$ ft. Another popular canning variety. Extremely prolific. Pods of medium size and borne in pairs. Peas very sweet. Pkt., 5c; carton, 10c; pt., 15c; qt., 30c; pk., \$1.75.

ABUNDANCE. 2-2 $\frac{1}{2}$ ft. Very similar to the Horsford's Market Garden. A good variety for either the canner or the gardener. Pkt., 5c; carton, 10c; pt., 15c; qt., 30c; pk., \$1.75.

Gradus, or Prosperity 30 inches. A grand, early, large-podded wrinkled pea. Has become one of the favorites with truck growers in nearly every section of the country. Pods are from 4 to 4 $\frac{1}{2}$ inches in length and the peas are unusually large, very sweet and of delicious flavor. Pkt., 10c; carton, 15c; pt., 25c; qt., 40c; pk., \$2.50.

THOMAS LAXTON. 3 ft. Resembles Gradus in many respects. A little earlier and more hardy. Pods not quite as large, but usually more productive. Considered by our truck growers as one of the very best for the early market. Pkt., 10c; carton, 15c; pt., 25c; qt., 40c; pk., \$2.50.

DELICATESSE. 3 ft. A new English pea, very productive. Pods short, but packed with peas that are extremely sweet and tender. Pkt., 10c; carton, 15c; pt., 25c; qt., 40c; pk., \$2.75.

IMPROVED STRATAGEM. 2 ft. A splendid late pea. Foliage and pods dark green. Pods about 4 inches in length, well filled with large peas of best quality. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$2.00.

CARTONS OF PEAS, BEANS, AND SWEET CORN

These special packages are designed for those who find a 5c pkt. too small and a pint more than sufficient. The carton is between the two sizes, and contains a desirable quantity for the family garden. Postage paid.

Tall-Growing Wrinkled Varieties

Pea Vines of tall habit of growth require support of some kind. A wire woven or poultry netting is admirable for this purpose. Sow the seeds in double rows eight inches apart and stretch the wire support between the rows. The ends of the support should be fastened securely to posts at each end. A few additional stakes will afford greater strength.

Alderman 4 ft. A grand second early pea. One of the very best in this class for the market gardener. It is a vigorous growing, productive variety, bearing pods of immense size, 5 to 6 inches in length. Very handsome dark green color. The peas are large, and in quality sweet and tender. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$2.00.

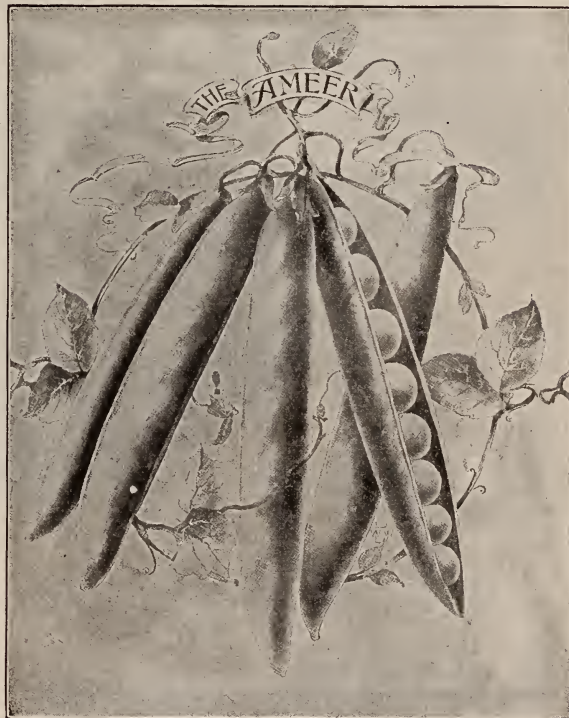
ADMIRAL DEWEY. 4 ft. Another of the large-podded, medium late peas, quite similar to the Alderman, and like that variety excellent for the market gardener. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$2.00.

Tall Telephone 4 ft. An old, well-known variety. One of the best of the late maturing sorts. Pods are large, containing 8 to 10 peas of good quality and flavor. Pkt., 5c; carton, 10c; pt., 15c; qt., 30c; pk., \$1.75.

CHAMPION OF ENGLAND. 4 to 5 ft. A splendid variety and a favorite late pea for the home garden. Pods are large, well filled with peas of good quality. Can be picked for eating in about 70 days after planting. Pkt., 5c; carton, 10c; pt., 15c; qt., 30c; pk., \$1.75.

GLADSTONE. 4 ft. Main crop. Its long pods are pointed and slightly curved. They are in good condition to pick at a period of the year when practically all other peas have ceased to bear. The peas are of high quality. We bespeak a trial of this fine new variety. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$2.00.

Tall Smooth Varieties



Ameer 3 $\frac{1}{2}$ ft. Large, smooth, green pea, sometimes called "Large-Podded Alaska." Southern truckers are planting it extensively. The pods are of good size, dark green color, and good quality for shipping. Pkt., 5c; carton, 10c; pt., 20c; qt., 35c; pk., \$2.00.

LONG ISLAND MAMMOTH, or TELEGRAPH. 4 ft. Smooth, green pea, maturing about the same time as the Telephone. Preferred by some on account of its hardness. Pkt., 5c; carton, 10c; pt., 15c; qt., 30c; pk., \$1.75.

WHITE MARROWFAT. 4 ft. A very hardy, strong growing variety, with thick, large pods about 3 inches in length. Grown as a field crop quite extensively. Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.25.

BLACK EYE MARROWFAT. 4 ft. Similar in habit of growth to the White Marrowfat. Considerably in demand in some sections of the south. Peas are white with black eye. Pkt., 5c; carton, 10c; pt., 15c; qt., 25c; pk., \$1.25.

Sugar or Edible-Podded Peas

When cooked, they are equal to the best snap beans. Being hardy, can be planted early in spring. Of strong, upright habit, growing about 12 to 15 inches high. The pods are gathered while young and boiled whole. Pkt., 5c; pt., 25c; qt., 40c; pk., \$2.25.

If to be mailed, add to price 8c to pint, 15c to quart, to cover postage.

One Peck
Will Plant
125 Hills

Selected Seed Potatoes

In Drills, 10
to 12 Bushels
per Acre

The greater portion of our stocks of seed potatoes were grown specially for us way up far north. In the fertile regions of Northern Minnesota and adjoining States are found conditions which produce potatoes far superior to those grown elsewhere for seed purposes.

Any good, well-drained, fibrous loam will produce Potatoes under right climatic conditions. For early potatoes, which mature 8 to 10 weeks from planting, the soil must be particularly rich. A rich clover sod, manured and broken the year before and planted to corn, beans, peas, oats, etc., is in best shape for giving a good yield of nice clean potatoes.

Culture. Potatoes are planted at various times—both early and late. Cut the tubers so there will be two to three eyes to each piece. Plant in hills or rows about 3 feet apart and from 15 to 18 inches apart in the row. Spray the leaves of the young plants with Arsenate of Lead or dust with Bug Death as a protection against blight and attacks of beetles.

Changing Seed. It pays to change Seed Potatoes occasionally, just as much so as Seed Oats. Advantages gained, among other things, are increased vigor and productiveness—in some instances well-selected seed stock has doubled the crop on the same quantity of land. Tubers grown from changed seed are smoother, of better appearance, and more salable.

EARLY WHITE ALBINO

The skin and flesh are extremely white, of exceptionally good cooking quality and very prolific, fully as early as the old Early Rose in maturing, and particularly valuable for the early market by reason of its fine shape and early maturity. The vines grow erect and it is one of the best early varieties to withstand blight and disease. Plant this potato early in good soil and give it good cultivation, and pleasing results are sure at harvest time. One grand thing in favor of this early potato is its great keeping quality. Pk., 65c; bu., \$1.65; sack, \$3.75.



WHITE
ALBINO

Early Rose Some growers declare that Early Rose has never been excelled in quality or productiveness by newer varieties. Tubers are of good size, in color light pink. Pk., 50c; bu., \$1.50; sack (2½ bu.) for \$3.25.

Red River Early Ohio Probably the most popular early potato in the country. Tubers smooth, oblong in shape; resisting scab and dry weather well and bearing the even-sized, abundant tubers compactly in the hill. A popular favorite. Pk., 50c; bu., \$1.50; sack (2½ bu.) for \$3.25; 5 bu. for \$6.25.

Rural New Yorker, No. 2 A medium second early (about a week later than Early Ohio). A large yielder and of excellent quality. Tubers nearly round, flattened, with very smooth, pure white skin, always attractive in appearance. Pk., 45c; bu., \$1.35; sack (2½ bu.) for \$3.00; 5 bu. for \$5.50.

Irish Cobbler Round, pure white, extra early, and of the very best quality. Grows uniformly large, there being fewer small potatoes than in any other early kind. The seed we offer is exceptionally fine. **Irish Cobbler** will produce results on soils that are too heavy for other potatoes, making it a valuable variety for those whose potato ground of the right sort is limited. Pk., 60c; bu., \$1.75; sack (2½ bu.), \$4.00; 5 bu. for \$7.50.

IRISH
COBBLER



Potato Growers' Requisites

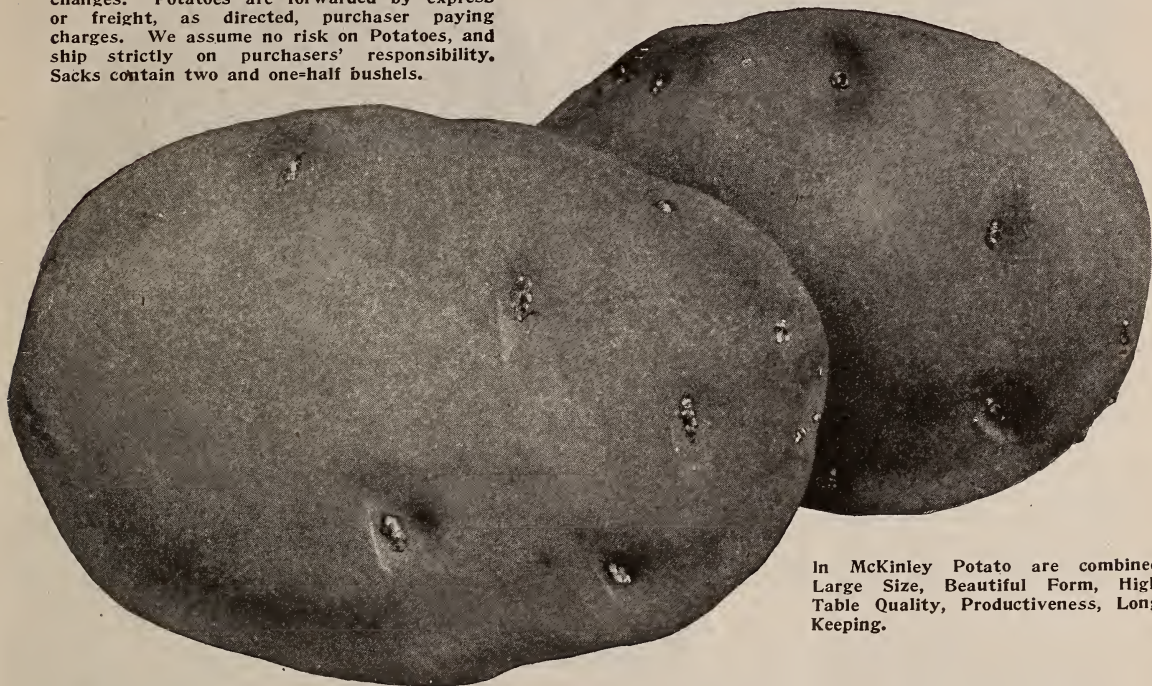
Leggett's Powder Gun. Distributes Paris Green, Hellebore, Sulphur, and all dry powder. Price, \$8.00 complete.

Bug Death. Safe and sure on potatoes and garden truck generally. For price, see page 93.

Dickey's Duster (25c) and Acre-an-Hour Sifter (75c) are adapted to applying Bug Death.

POTATOES---Continued

Prices of Potatoes are subject to market changes. Potatoes are forwarded by express or freight, as directed, purchaser paying charges. We assume no risk on Potatoes, and ship strictly on purchasers' responsibility. Sacks contain two and one-half bushels.



In McKinley Potato are combined Large Size, Beautiful Form, High Table Quality, Productiveness, Long Keeping.

McKinley THE CHAMPION LATE POTATO

The McKinley is a white-skinned potato of the Green Mountain type. The tubers (as shown in the illustration from a photograph) are square to oval in shape and somewhat flat in appearance. As will be seen below, its records prove this potato to be an enormous yielder, while as a keeping variety it is equal to the best. Tubers properly kept in root cellars through winter will bake just as mealy and fine as in December. The flesh cooks up dry and mealy with a flavor all its own.

The original McKinley potato came from the East. A Minnesota grower greatly improved the strain by hill-to-hill selection. His practice was to take nothing for seed from a hill which did not produce at least ten standard-sized, typical-shaped potatoes, and from those the very best were selected for seed. It is from such most carefully chosen tubers that our stocks were grown. In field culture 76 tubers yielded 26½ bushels. One acre made over 525 bushels, while twelve acres averaged over 400 bushels to the acre. The measurements were not guesswork; the potatoes were weighed from the field as they were put in the root cellar.

At the land show in St. Paul, McKinley potato was awarded the prize for the best bushel grown that year in Minnesota. At the land show in New York the McKinley was a part of the potato exhibit which secured the premium for the best potatoes grown in the United States.

Summing up, the McKinley is a very strong, prolific strain of a first-class potato that we can with great confidence recommend to growers in the Central States. Its record in all respects entitles it to rank with the very best late potatoes now grown upon American soil. Succeeds everywhere and is the style of potato most in demand in the markets just now. As a winter keeper we know of none better. No progressive cultivator should fail to give it a trial. Pk., 75c; bu., \$2.00; sack, \$4.50; 5 bu., \$8.00.

PRACTICAL POTATO CULTURE. Price, 50c. By E. A. Rogers. This new and valuable publication will be presented (on request) with every order of potatoes from this catalog amounting to \$3.00.

Snow A GRAND NEW MAIN-CROP POTATO

Snow is a white potato with a netted skin. The market wants just such a potato. It is of handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper, and fast becoming one of the most popular medium late varieties. The vines are always very heavy, the seed being especially vigorous and tubers always good size where soil is well tilled. Our customers will find the Snow a very reliable potato. We can furnish nice stock while the supply lasts. Pk., 75c; bu., \$2.50; - bu. lots at \$2.25 --- bu.

Carman No. 3 This is a well-known, standard late potato that does well everywhere. All the Carman seedlings proved excellent potatoes, but Carman No. 3 excels. It makes large yields of fine, large, smooth, white tubers, nearly all of them of marketable size; eyes are few and shallow. Of strong, vigorous growth, little affected by drouth or blight. Pk., 45c; bu., \$1.35; sack, \$3.00; 5 bu. for \$5.50.

SEED SWEET POTATOES

Choice Stock Grown Expressly for Seed Purposes.

Please order early, giving date you wish them shipped. We do not ship until planting time.

We pack Seed Sweet Potatoes for shipment in boxes and barrels with greatest care, but as Sweet Potatoes are very susceptible to climatic changes, we assume no responsibility for their condition after leaving our hands.

The following can be supplied. Price subject to market changes.

	Peck	Bu.
Yellow Nansemond.....	\$0.50	\$1.75
Yellow Jersey.....	.50	1.75
Red Bermuda.....	.75	2.25

Please send orders in early.

KUEBBIS, Ger. **PUMPKIN** POTIRON, Fr.

The seeds are planted with corn or potatoes, but may be profitably raised in fields by themselves. Sow early in May in hills eight feet apart. For monster pumpkins for exhibition purposes plant Mammoth Tours in very rich ground and feed liberally with liquid manure.

One ounce will plant 50 hills. 3 seeds to the hill.

Winter Luxury A fine cooking sort, 10 to 12 inches in diameter. Golden yellow, netted somewhat like a muskmelon. One of the very best to store through the winter. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

CALHOUN. A small, yellowish brown variety with thick, salmon-colored flesh. Fine for cooking. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

TENNESSEE SWEET POTATØ. This is an old standard pumpkin. Somewhat pear-shaped. Skin and flesh creamy white. An excellent keeper. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

JAPANESE PIE. A Crookneck Sort. Seeds peculiarly sculptured. Ripens early. Flesh salmon-colored, fine-grained, and sweet. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

MAMMOTH TOURS. Grown chiefly for exhibition purposes and for stock feed. It grows to an enormous size, frequently weighing over one hundred pounds. Skin salmon color; flesh yellow. Keeps a long time. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., 90c.

CUSHAW, GREEN STRIPED. Large crookneck pumpkin. Cream-colored, striped with green. Very popular in the south. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

LARGE CHEESE. A large buff-colored variety of distinct shape, used extensively for canning. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.



SWEET OF SUGAR PUMPKIN

Small Sugar An excellent variety for pies. Nearly round, 10 to 12 inches in diameter; rich orange color. Flesh thick, fine grained, and very sweet. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 75c.

YELLOW CUSHAW. Similar to the above, except in color. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

CONNECTICUT FIELD. Common cornfield pumpkin. Grown largely for stock purposes, suitable also for table use. Oz., 5c; ¼lb., 15c; lb., 35c.

RETTIG, Ger.

RADISH

RADIS, Fr.

For an early supply, sow in a hotbed in February, care being taken to give abundant ventilation to prevent running to leaves. For open air culture and succession, sow from middle of March until September at intervals of a week or ten days. The growth must be rapid to insure crispness, succulence, and mildness of flavor. A fine, dry, sandy loam, enriched and made light with well-rotted manure is best adapted for the purpose, all heavy soils producing directly the opposite results from those desired.

One ounce to 100 feet of drill; 9 or 10 lbs. per acre.

GLOBE AND TURNIP-SHAPED VARIETIES

Except otherwise noted, any variety: Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c; 5 lbs. for \$2.50. To pound price add 8c if wanted by mail.

Early Scarlet Globe **Special Market Gardener's Strain.** This is a splendid variety for hotbed or greenhouse culture. We consider it the best of the round scarlet forcing sorts. Our sales of this stock are to some of the largest growers under glass in the country. The radishes mature very quickly, producing small growth of tops and are solid and crisp; very uniform in shape. The color is a handsome, bright scarlet. When bunched, the radishes are sure to bring the top price in any market. We shall be glad to mail free a sample packet to those who grow for the market.

NON PLUS ULTRA. Well-known variety. Good for forcing; matures in 18 to 20 days. Color, bright scarlet.

EXTRA EARLY SCARLET FORCING. A small-leaf, globe-shaped variety, especially adapted for forcing under glass.

EARLY SCARLET TURNIP WHITE TIP FORCING. This is a special forcing strain of the well-known Scarlet Turnip White Tip Radish.

SCARLET TURNIP WHITE TIP. Market gardeners' favorite Radish for outdoor planting. A very desirable one for the home garden. It is an early maturing variety, only a little later than the forcing strain. Turnip-shaped; handsome scarlet in color, with a distinct white tip. We have two strains of this variety, one where the white is just in evidence and another in which the white covers about one-third of the radish. The latter strain is the favorite one.

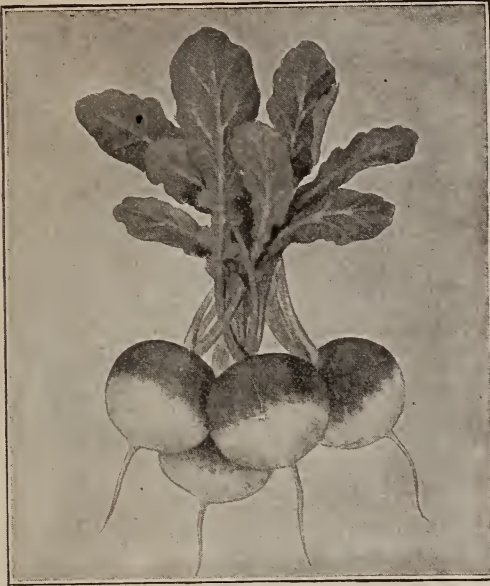
ROSY GEM. Very similar to the above variety. Round; scarlet with white tip.

Crimson Giant A large globe-shaped variety. Handsome deep scarlet; thin skin, solid white flesh of best quality. Attains a large size without becoming pithy or losing its crispness. An excellent variety.



EARLY SCARLET GLOBE RADISH

RADISH--Continued



SPARKLER

GLOBE AND TURNIP SHAPED VARIETIES

Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c; 5 lbs. for \$2.50.

8 cents per pound should be added if wanted by mail.

Sparkler A splendid radish of the same type as the **Scarlet Turnip White Tip**, but larger and showing more white, practically the whole lower portion being white and the upper part deep scarlet. This radish is not only very showy, but of the finest quality, and is sure to become popular with private gardeners as well as growers for the market.

EARLY ROUND DARK RED. A quick growing, deep red turnip-shaped radish, good for either inside or outdoor planting.

EARLY SCARLET TURNIP. An old, well-known variety; bright scarlet, solid white flesh, excellent eating.

HALF LONG AND LONG VARIETIES

LONG SCARLET SHORT TOP. A well-known variety and extensively planted. Roots 6 inches in length, about one-third of which grows above the ground. Color, bright red.

Cincinnati Market Similar to the above, grows a little longer and is more slender; somewhat darker in color. A splendid radish for the table or for the market.

HALF LONG DEEP SCARLET. An early radish much esteemed by some growers. Roots about 3 inches in length; attractive deep scarlet. Flesh white and firm.

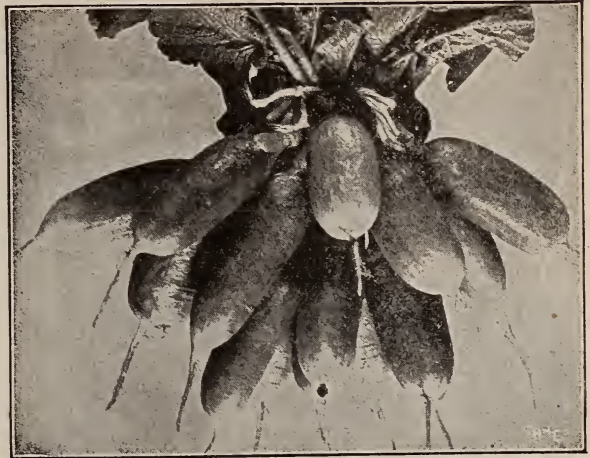
WOOD'S EARLY FRAME. Earlier, shorter, and thicker than Long Scarlet.

BRIGHTEST LONG SCARLET, or CARDINAL. Vivid scarlet, tipped with white. For so long a radish is very early, being ready for use in 25 days.

CHARTIER. One of the very best for outdoor sowing in summer. Roots bright crimson in upper portion, shading to white at the tip. Can be eaten when quite small. Remains solid and crisp, attaining a size of 7 to 8 inches in length.

Icicle A beautiful pure white radish, about 5 inches in length and quite slender. This is one of the very best of the summer radishes. Skin is smooth and thin; flesh fine grained, crisp and brittle.

LONG WHITE VIENNA. A well-known and splendid variety, long, smooth, white.



FRENCH BREAKFAST RADISH

French Breakfast An oblong shaped radish. Fine for open ground or forcing. Valued for its excellent quality and fine color, which is a beautiful scarlet on the body and white at the extremity. Flesh white, tender, and mild.

EARLY WHITE TURNIP. Very much like the above in shape and size, a trifle earlier in maturing. Skin and flesh pure white.

LARGE WHITE SUMMMER. This is a radish which is quite popular in certain sections of the south. Nearly round in shape. Pure white. Attains a size of 3 inches in diameter without losing any of its good qualities.

YELLOW SUMMER. Turnip-rooted. Can be sown late; stands heat well. Skin light yellow, flesh white.

Olive-Shaped Varieties

CARMINE OLIVE. An extra early olive-shaped radish. Color, deep carmine skin; flesh white, solid, and crisp.

ROSE OLIVE. A quick-growing, bright scarlet radish of good quality, from 1½ to 2 inches in length.

WHITE OLIVE. Like the above in size and shape.

WHITE STRASSBURG. A good, late radish, oblong shape. Both skin and flesh are pure white. Roots when fully grown, about 6 inches in length and 2 inches in diameter. Good eating quality during its entire growth.

LONG WHITE STUTTGART. Another good summer radish, somewhat turnip-shaped. Grows quickly and attains a good size. Skin and flesh pure white and quality excellent. Popular with market gardeners.

WINTER VARIETIES

Sow in July and August

CHINESE WHITE. A large, white, smoothskin radish, cylindrical in shape, 6 to 8 inches long and 2 or 3 inches in diameter. Mildest flavored of the winter sorts.

CHINESE ROSE. Not quite as large as the white variety and more pungent. Skin bright rose, flesh white. A splendid keeper, and grown largely for the market.

LONG BLACK SPANISH. A long, very hardy radish. Skin nearly black; flesh pure white. Very well known and extensively planted.

ROUND BLACK SPANISH. A large, turnip-shaped radish. Skin and flesh same as the long variety. Quality about the same.

SAKURAJIMA. A mammoth Japanese variety. Flesh pure white, with sharp but agreeable

SAKURAJIMA. A mammoth Japanese variety. Flesh pure white, with sharp but agreeable flavor. Pkt., 5c; oz., 20c.



ICICLE RADISH

RHUBARB

Or Pie Plant

LINNEUS. The earliest variety grown. Desirable for market or family garden. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., \$1.00.

VICTORIA. Leaf stalks tall and large. Sometimes weighing 2 pounds each. Skin thick and red stained. Pulp quite acid. Productive and profitable for market gardeners. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., \$1.00.

RHUBARB ROOTS

Mailing size, each, 15c, postpaid; clumps. See page 31.

SALSIFY

Or Vegetable Oyster

Soil and culture should be the same as for parsnips, taking pains to make sowings as early as practicable each spring.

MAMMOTH SANDWICH ISLAND. A new and improved type, producing roots of nearly double the size and weight of the old variety, and of equally good quality. It has been extensively grown for the markets of many of the large cities, entirely superseding the old sort. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., \$1.25.

SWISS CHARD

Or Spinach Beet

Also called Sea Kale Beet. The middle of the leaf, or midrib, is cooked and served like asparagus. The other portions of the leaf may be used like spinach. This beet does not make a large root, but is a delicious summer vegetable when cut young and used for "greens." Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

SORREL Large Leaved French. The best garden variety. Pale green leaves of fine quality. Pkt., 5c; oz., 15c; ¼lb., 25c; lb., 75c.

SPINACH

SPINAT, Ger. EPINARD, Fr.

This is an important crop for the market gardener. It is of easy cultivation. Sow for main crop in September, either broadcast or in drills one foot apart and one inch deep, in rich soil; the stronger the ground, the more delicate and succulent will be the leaves. Protect during the winter with hay or straw. For spring and summer use, sow as soon as the ground can be worked, and every two weeks for succession.

1 oz. for 100 ft. of drill; 10 to 12 lbs. per acre.

GIANT THICK LEAVED. An early variety; very hardy and of good quality. Large, round leaves, nearly smooth, of dark green color; favorite with market gardeners. Oz., 5c; ¼lb., 10c; lb., 25c.

VICTORIA. Large, very dark green leaves, slightly crimped. Remains in good condition for market for a long time. A newer variety that is becoming very popular with the truckers. Planted extensively in the south. Oz., 5c; ¼lb., 10c; lb., 25c.

BROAD FLANDERS. One of the most vigorous and strong growing varieties. The leaves are nearly round, uniformly deep green, thick and somewhat crimped in the center. Oz., 5c; ¼lb., 10c; lb., 25c.

LONG STANDING. Leaves dark green and thick. Not inclined to run to seed for a long time. Popular with market gardeners. Oz., 5c; ¼lb., 10c; lb., 25c.

PRICKLY WINTER. Use for fall sowing as it is extremely hardy. Seeds prickly, leaves not so large as those of other varieties. Oz., 5c; ¼lb., 10c; lb., 25c.

BLOOMSDALE or Savoy Leaved. Of upright growth; leaves curled and crimped, thick and fleshy. Keeps well after cutting. Suitable for fall sowing. Oz., 5c; ¼lb., 10c; lb., 35c.

Special price for all varieties except New Zealand: 5 lbs., 80c; 10 lbs., \$1.50; 100 lbs., \$13.00.



SPINACH, GIANT THICK LEAVED

NEW ZEALAND. A different type of Spinach, suitable for use during the hot weather. Plants grow to a large size, producing an abundance of leaves, tender and of good quality. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.

Speise Kurbis, Ger. **SQUASH** COWEGE, Fr.

Plant when all danger from frost is past, and get in the winter varieties as soon as possible in order that they may mature. Plant in hills 4 feet apart for the bush varieties and 6 or 8 feet apart for running sorts. Put 6 or 8 seeds in a hill, thinning when all danger from insects is past to 3 or 4 plants in a hill.

One ounce for 50 hills; 4 to 6 lbs. per acre.

Early Summer Varieties

MAMMOTH WHITE BUSH. An early, round, flat squash; color clear white, handsomely scalloped. Called Patty Pan in the south. Largely planted in every section of the country. One of the very best of the early summer varieties. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 75c.

MAMMOTH YELLOW BUSH. Same as above except in color, which is a bright yellow. Early and of good quality. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 75c.

MAMMOTH SUMMER CROOKNECK. A well-known and standard variety. Grows from 18 inches to two feet in length. The shell is hard and warty and of an attractive bright yellow color. The thick flesh is of good quality. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 75c.

ORANGE MARROW. Handsome appearance; creamy colored. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.

FORDHOOK. This squash can be either used as a summer or winter variety. Color bright yellow, meat thick and good quality. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.



MAMMOTH WHITE BUSH SQUASH

DELICIOUS. This is a new variety for which there is an increasing demand. It is top-shaped, of medium size. Hard, green shell. The flesh is deep yellow; rich, fine-grained, and splendid for cooking. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

Squash continued on following page.



WARTED HUBBARD SQUASH

SQUASH---Fall and Winter Varieties

HUBBARD. A favorite winter squash. Shell dark green and extremely hard. Flesh rich orange; dry and sweet. Splendid for cooking or pies. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

WARTED HUBBARD. Same as above except that the shell is rough or warted. This variety is an excellent keeper. Largely grown for the market. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

BOSTON MARROW. Early fall sort; rich orange color, excellent flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

GOLDEN HUBBARD. Earlier than Green Hubbard; a little smaller. Color orange red. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

ESSEX HYBRID. Sometimes called Turk's Cap. A good-sized squash with a hard shell. Popular in some sections of the country. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

VEGETABLE MARROW. A small mottled green and yellow squash. Flesh white and very tender. This is the famous English variety and highly prized by English people. Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

LIEBESÄPFEL, Ger.

TOMATO

TOMATE, Fr.

We make a specialty of growing superior Tomato Seed. It is all saved with the greatest care from selected fruit. In the list following we offer the best of the old varieties as well as improved varieties of recent introduction. Tomato plants supplied in season. Prices on page 31.

For early crops sow in hotbed, greenhouse, or inside the window or sitting room, where the temperature does not fall below 65 degrees, in February or March, transplanting—to secure stockiness—when three inches high, to pots, cold-frames, or other parts of the bed, and about five inches apart. After all danger of frost is over, transplant finally to open ground, four to six feet apart.

ACME, Improved Strain. Ripens early; of medium, uniform size; glossy red with purplish tinge; round and smooth, free from cracks. An excellent tomato for market gardeners' use, as it ships well. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 55c; lb., \$2.00.

Beauty, Improved Strain. This has been a standard variety for many years, and is still the favorite main crop tomato with our market gardeners. Medium early, round, very uniform in shape. Skin smooth, crimson with purplish tinge. Flesh solid and of excellent flavor. A splendid tomato for either the home garden or for shipping. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 55c; lb., \$2.00.

CORELESS. A grand main crop, scarlet, globe-shaped variety. One of the best for shipping long distances. Bears its fruit in clusters, immensely productive. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.

CRIMSON CUSHION. Bears continuously and late. Extremely large and smooth; solid as a beefsteak; nearly seedless. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

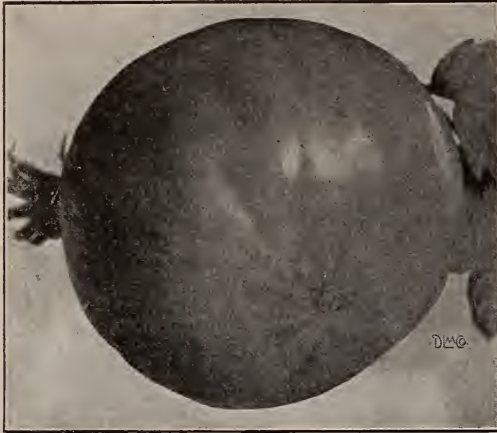
Dwarf Champion (Tree Tomato). Quite distinct from the other varieties in habit of growth and foliage. Good sort for the home garden as the plants, owing to the peculiar upright growth, take up but little room and yield abundantly. Resembles the Acme in form and color. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

DWARF STONE. A vigorous growing, dwarf, red tomato of recent introduction. Fruit good size, and of excellent quality. This variety is becoming very popular. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.



BEAUTY TOMATO

TOMATO—Continued



TOMATO, JUNE PINK

June Pink The earliest of the pink tomatoes and one of the very best for the family garden. The skin is thin, very smooth; flesh solid, of excellent quality and flavor. An especially good tomato for slicing. Pkt., 5c; oz., 25c; ¼lb., 80c.

EARLIANA. A fine scarlet tomato. Ready for the market several days ahead of any other variety. Ripens uniformly and is a good yielder. We have a special market garden strain of this seed. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., \$2.50.

CHALK'S EARLY JEWEL. An early tomato, vigorous and productive. Fruit deep scarlet, of good size and fine quality. A good variety for either home use or for the market. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., \$2.50.

LIVINGSTON'S GLOBE. A good globe-shaped tomato. Skin smooth, of purplish tinge. Flesh is firm, of good quality. Can be used for greenhouse culture. Pkt., 5c; oz., 25c; ¼lb., 75c.

Early Detroit The latest new tomato. The vine is a better yielder and more vigorous than that of Acme. Not only are more fruits produced, but they average more nearly globe-shaped, are heavier, and are equally as firm, smooth, and suitable for shipping. The fruits are of good size throughout the season, which is unusually long for so early a variety. We are confident that this rare combination of very desirable features will soon bring Early Detroit into general prominence as the best of its class. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., \$2.50.

PERFECTION. A well-known, large, smooth, red tomato. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., \$2.00.

PONDEROSA. This is a very large, solid tomato. Color pink, changing to purple. On account of its large size it is suitable to grow for exhibition purposes. It is of good quality, however, and very largely in demand for home gardens. Pkt., 5c; oz., 25c; ¼lb., 80c.

STONE. A large, bright-red tomato, very well known and highly regarded. One of the very best for canning purposes. Good also for slicing. Matures early and very uniformly. Vigorous and productive. Pkt., 5c; oz., 25c; ¼lb., 55c; lb., \$2.00.

SMALL-FRUITED TOMATOES

STRAWBERRY, or Husk Tomato. Also called ground cherry. The small yellow fruits are each enclosed in a husk, and are of delicious flavor, either raw or preserved. Pkt., 5c; oz., 25c.

Yellow Plum, Red Currant, and Red Cherry. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., \$2.50.

PEACH. Quite distinct from other varieties. The skin has the color and texture of a peach. It grows about the same size. Pkt., 5c; oz., 25c; ¼lb., 80c.

COMET. This we consider the best of the forcing varieties. Fruit scarlet and medium size. Pkt., 10c; oz., 50c.

WEISZE RUEBEN, Ger.

TURNIP

NAVET, Fr.

For early use, sow as soon as ground opens in spring, in drills from 12 to 15 inches apart; thin out to 6 or 9 inches in the rows. For succession, continue to sow every two weeks until June; for fall and winter crop, sow in July and August. The Rutabagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November, or before severe frosts; cut off tops within an inch of the crown, store in cool cellar or pit, or pile in a conical form out-of-doors, in dry ground; cover carefully with long straw, and finish by earthing up with about 12 to 15 inches of earth, leaving a trench around the heap to carry off water. One ounce of seed for 150 feet of drill; one pound for an acre.

Extra Early Purple Top Milan Of handsome appearance; somewhat flattened, white with purple top. Two weeks earlier than Purple Top Strap Leaf, good for spring or fall planting. Bulb forms very rapidly. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

EARLY WHITE MILAN. Similar in shape and size to the above, equally early; surface smooth and pure white; flesh white, tender, fine grained, and of fine table quality. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00.

EARLY WHITE FLAT DUTCH. A popular, early, white, flat turnip of medium size. Smooth and of good quality. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 45c.

WHITE EGG. A good, early, oval-shaped turnip. Grows partly out of the ground. White and smooth skin; flesh mild and sweet. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.

Purple Top White Globe A fine table turnip. It is an early and heavy cropper as well as a good keeper. The bulb is a very handsome globe, and is especially in demand among market gardeners. This is also a good turnip for stock feed as it will grow to a large size if left for that purpose. Pkt., 5c; ¼lb., 20c; lb., 45c; 5 lb., \$2.00.

Purple Top Strap Leaf This is probably more extensively planted than any other variety. It is a very early flat turnip of medium size, the lower portion white and the upper part reddish purple. The flesh is fine grained and sweet. A splendid table variety and desirable also for stock feed. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.

YELLOW GLOBE. A handsome light yellow turnip. Fine grained, sweet and tender. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.



TURNIP, EARLY MILAN

To lb. price add 8c for postage.

TURNIPS—Continued

WHITE FLAT NORFOLK. A large white round turnip, chiefly planted for feeding stock. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.

COW HORN. A long, white, carrot-shaped turnip, growing to a length of 12 to 14 inches. Flesh white and solid. Suitable for table use when small, and when matured excellent for feeding stock. This variety is sometimes planted to plow under as a fertilizer. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.

POMERANIAN WHITE GLOBE. A large and most perfect globe in shape, skin white and smooth. Of strong growth and one of the most productive varieties. Valuable for both table and stock. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 45c.

SNOWBALL, or SIX WEEKS. The finest white-fleshed, ball-shaped, early table turnip. Bulbs small, smooth, and round, with clear white skin and sweet, crisp flesh. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.

PURPLE TOP YELLOW ABERDEEN. Root round and tapering. Flesh pale yellow, tender, sugary, and of superior flavor. A hardy and productive standard variety. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 45c.

RUTABAGAS

American Purple Top A very large, globe-shaped Rutabaga, yellow with purple top. Hardy, vigorous growing variety of excellent quality for the table and one of the best for stock feed. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 45c; 5 lbs. for \$2.00.

SKIRVING'S PURPLE TOP. An old, well-known variety, grows to a large size; very productive and good keeper. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 45c; 5 lbs., \$2.00.

WHITE SWEDE or RUSSIAN. A large, white, globe-shaped Rutabaga. Flesh fine quality, sweet and tender. Excellent for the table. Can be grown to a large size if wanted for stock feed. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 45c.

TOBACCO SEED

One ounce will sow a bed of fifty square yards. The seed should be sown as early as possible after danger of frost is over. When the plants are about six inches high, transplant into rows four or five feet apart each way.

CONNECTICUT SEEDLEAF. This variety is grown in the Middle and Northern States, being comparatively hardy. Pkt., 5c; oz., 20c; ¼ lb., 60c.

HAVANA. The seed offered is a superior strain of Cuban grown stock. Pkt., 10c; oz., 40c; ¼ lb., \$1.00.

SWEET, POT AND MEDICINAL HERBS



SAGE (Annual). Seeds used for flavoring and medicinal purposes. Leaves used for garnishing. Pkt., 5c; oz., 10c.

Ba'm (Perennial). Leaves used for medicinal purposes. Pkt., 5c; oz., 20c.

Basil, Sweet (Annual). The seeds and stems used for flavoring. Pkt., 5c; oz., 15c.

Borage (Annual). Good Bee Plant. Also leaves can be used for salads. Pkt., 5c; oz., 15c.

Catnip. Used for medicinal purposes. Pkt., 10c; oz., 35c.

Caraway. Seeds used for flavoring. Pkt., 5c; oz., 10c.

Coriander. Used for flavoring. Pkt., 5c; oz., 10c.

SWEET MARJORAM (Perennial). Used for medicinal purposes. Pkt., 5c; oz., 10c.

SUMMER SAVORY (Annual). Used for medicinal purposes. Pkt., 5c; oz., 15c.

Dill (Annual). Seeds used for seasoning, also leaves used very extensively for flavoring in pickle factories. Pkt., 5c; oz., 10c; lb., 50c.

Hop. Used in brewing. Pkt., 15c.

Fennel (Perennial). Seeds used for flavoring and leaves for garnishing. Pkt., 5c; oz., 10c.

Horehound (Perennial). Used for medicinal purposes. Pkt., 5c; oz., 15c.

Hyssop (Perennial). Used in medicine. Pkt., 5c; oz., 15c.

Lavender (Perennial). Largely used in the making of perfume. Pkt., 5c; oz., 15c.

Marjoram Sweet. Used both in the green and dry state for seasoning. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Rosemary (Perennial). Leaves used for seasoning and making of perfume. Pkt., 5c; oz., 25c.

Rue (Perennial). Used for medicinal purposes. Also recommended for diseases of poultry. Pkt., 5c; oz., 15c.

Saffron (Annual). Used for coloring. Pkt., 5c; oz., 10c.

Sage (Perennial). Grown very extensively for seasoning. Can be dried for Winter use. Also has medicinal properties. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Summer Savory. A well-known annual herb. Excellent for seasoning. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

Thyme (Perennial). Well-known and grown to a considerable extent for seasoning and medicinal purposes. Pkt., 5c; oz., 30c.

Wormwood (Perennial). Leaves with very bitter taste. Grown for medicinal purposes. Recommended also as of value to poultry. Pkt., 5c; oz., 20c.

VEGETABLE PLANTS AND ROOTS

Prices do not include prepayment by mail or express. If wanted by mail, add for postage 5c per doz., 25c per 100 on Cabbage, Cauliflower, Celery, and Sweet Potato Plants; 10c per doz. on Egg Plants, Pepper and Tomato Plants. We strongly advise shipment be made by express.

	Doz.	50	100	1,000
CABBAGE PLANTS. Early varieties. Ready about April 15.....	\$0.15	\$0.40	\$0.75	\$5.00
CABBAGE PLANTS. Late varieties. Ready June 1st.....	.15	.40	.75	5.00
CAULIFLOWER PLANTS. Ready during season.....	.25	.60	1.00	7.50
CELERY PLANTS. Ready June and July.....	.15	.40	.75	5.00
SWEET POTATO PLANTS. Ready middle May and June....	.15	.40	.75	4.50
TOMATO PLANTS. Standard varieties. Ready during season..	.20	.60	1.00	6.00
EGG PLANTS. Ready about May 15.....	.30	1.00	1.75	...
PEPPER PLANTS. Ready about May 15.....	.30	1.00	1.75	...

Pot-grown stock of Egg Plants, Pepper and Tomato, doz. 50c, not prepaid.

ASPARAGUS ROOTS. A gain of a full year is obtained by setting out roots instead of sowing seeds. bed 12 x 35 feet would require about 150 roots.

Prices do not include postage. If to be mailed, add 25c per 100 for the 1-year-old plants and 50c per hundred for the 2-year-old plants.

Bonvallet's Giant. One-year-old, 100, 75c; 1,000, \$5.00. Two-year-old roots, 25 for 50c; 100, \$1.20; 1,000, \$8.00.

Columbian Mammoth White One-year-old, 100, 60c; 1,000, \$4.50. Two-year-old roots, 25 for 35c; 100, \$1.00; 1,000, \$6.00.

Conover's Colossal. One-year-old, 100, 50c; 1,000, \$3.75. Two-year-old roots, 25 for 25c; 100, 75c; 1,000, \$5.50.

Palmetto. One-year-old roots, 100, 60c; 1,000, \$4.00. Two-year-old roots, 25 for 25c; 100, 75c; 1,000, \$5.50.

HORSE RADISH SETS. Doz., 25c; 100, 75c, postpaid. **Special Prices on Large Quantities.**

RHUBARB ROOTS. Mailing size, each 15c postpaid. Clumps, each 25c to 75c according to size, not prepaid.



Farm Seed Department



Most important to all who depend for their living on the products of the soil is selected seed, that not only will germinate, but is reliable. That is the kind we sell. Every seedtime the sales in this department show a large increase over the previous year. We number among our patrons some of the most well-to-do farmers in the country, several of whom annually entrust to us their entire orders for the seed grain as well as for the grass and clover seeds required for their acres. We have built up a large trade in improved varieties of farm seeds.

There's a reason for the confidence our customers have in the seed we supply—**Quality**. When this business was established, **Quality** was taken as the watchword. We furnish **the best** that can be had anywhere. Pedigreed seed comes higher than ordinary, but the value to the planter of high-grade stocks is vastly greater. Our seed grain is grown and specially prepared for planting purposes. It is carefully selected by experienced seedsmen, thoroughly cleaned, and handled only by careful employees, as a safeguard against errors in filling.

Prices, unless stated otherwise to the contrary, include bags for shipping and delivery to depot in Chicago. Purchaser is to pay freight or express charges. The prices named are **Net, no discount**, and are based on value existing when this is written. We will maintain prices as far as possible, but *they are subject to change without notice*.

We make no charge for bags, but do not pay freight charges.

SEED OATS

A change of stock of Seed Oats is as necessary as a change of Potatoes

Swedish Select Oats The United States Department of Agriculture describes this as the "Best American Oat." It is an early white variety, producing grain of good weight and quality. Straw is medium in height and strong. Swedish Select, on account of its vigorous root action, can be recommended for a variety of soils, doing well on nearly all. Our stock of Swedish Select Oats is northern grown in a section of the country that has proven itself, especially adapted to this crop. One hundred bushels to the acre is not an uncommon yield. Oats grown in a northern latitude are more vigorous, hardier and mature earlier than stocks grown anywhere else. We have a fine clean strain of these oats and will gladly send sample to any who are planning to change their seed stock. You can in this manner know exactly what you will receive for your money. Bu., \$1.25; 10 bu., \$10.00; 50 bu. lot, 90c bushel.

Big Four Oats A western grower, known as a close observer, says of this oat: "It has the **plumpest kernel** of any variety, and is as large every way as any. It is always a **very white oat**, free from black kernels, and this year certainly is the brightest oat that we have. Then it has **wonderfully stiff straw**, so that it stood up well in spite of one of the worst seasons for rain ever known. It is medium early, and a great yielder." Lb., 20c, prepaid: Pk., 25c; bu., 90c; 10 bu. for \$8.50, bags included.

Read's Green Mountain Oat **Absolutely rust-proof.** More dependable and profitable than most of Oats. Grain weighs from 35 lbs. to 42 lbs. per bushel. Other superior points of merit are: Resists drouth best, least damaged by harvest rains; grains largest and purest white in color; adapts itself to the greatest variety of soils and climate. Straw and grain of the finest and best quality, either cut green or dry, and the chaff and leaves adhere to the straw when threshed, making it the most economical and profitable to feed. Will stand a long time after dead ripe without damaging. A great stooler and heads fill every year, and always practically free from light, chaffy kernels.

We guarantee all the grain we sell this year under Read's name and description to come direct from him.

Prices: By express or freight, not prepaid: Pk., 75c; ½ bu., \$1.10; 1 bu., \$2.00; 2½ bu., \$4.75; 5 bu., \$9.25; 10 bu., \$17.00, net.

Black Tartarian Oats They are preferred by those who have had experience with them principally on account of their superior yielding qualities, but besides being fully equal, if not better than white oats in point of feeding qualities, they possess another very valuable characteristic in the unequalled stiffness and strength of straw. Lb., 30c, postpaid. Pk., 35c; bu., \$1.25, not prepaid. Special prices will be named for quantities.



GREEN MOUNTAIN OAT.

Where larger lots of Seed Grain than those quoted on this and other pages are wanted, please write us for special prices.

SEED BARLEY

48 lbs. to bushel. Sow 50 to 90 lbs. to the acre

This crop is receiving more attention in some parts of the country than formerly. It has proved of inestimable value to every one who feeds stock, either alone or mixed with other feed. It also brings a fair price in market.

Read's Vermont Beardless

is a strictly new barley with hulls

on. Widely tested and distinctly superior. After eleven years of selection is now thoroughly fixed. Straw stands high; free from smut or blight. Heads six-rowed, large, and long; kernels plump and heavy. An enormous yielder. As easy to handle as oats and much more profitable. Has strong and deep root formation, thus it reaches more available plant food and moisture than any other known sort and rendering it the greatest drouth-resister, most marvelous in health and stooling qualities, and unapproached in its powers to stand up perfect besides giving it many other important advantages not here mentioned. In malting qualities it has no equal in its class. Threshes easier than other beardless barleys, yet it does not shatter in the field or during harvesting.

Prices: By express or freight, not prepaid: Lb., 30c; ½ pk., 75c; pk., \$1.10; ½ bu., \$1.75; 1 bu., \$3.00; 2½ bu., \$7.00; 5 bu., \$12.50; 10 bu., \$22.50.

Read's Triumph

is the result of a scientific cross made by G. A. Read in 1897 between the two-rowed Highland Chief and the six-rowed Manshury, to produce a distinct six-rowed variety with stronger straw and heads as long, but thicker and better filled than Manshury. Its points of superiority are: Strongest straw; stands up best; crinkles least; rapid grower, arrests weeds; enormous stooler; best for grain mixtures; resists drouth best; never affected by disease; largest heads; grain colors less and weighs 48 to 52 pounds per bushel; grain malting variety; soft, silky beards; safer to feed; easier to handle.

We guarantee all of the grain we sell this year under Read's name and description to come direct from him.

Prices: By express or freight, not prepaid: 1 pk., 75c; ½ bu., \$1.25; 1 bu., \$1.85; 2½ bu., \$5.00; 10 bu., \$17.00.

White Hullless

A Great Novelty in Barley. Plump, heavy kernels, which, when threshed, are hullless like wheat kernels. Early, prolific, well-filled heads. Straw is fine for feeding. No beards. As fattening feed for hogs it has no equal. 20 hogs made a gain of 106 pounds to the hog in five weeks. The best way to feed it is to grind it and feed it dry. Prices: Lb., 20c; postpaid; pk., 50c, not prepaid. Bu., \$1.75. Write for prices in quantity.

Oderbrucker This barley possesses high malting and feeding qualities. It is similar to the Manshury, and has the additional merit of being a heavy yielder. In all sections where it has been tried it has superseded other barleys. We consider it the best of the six-rowed barleys. Sow 2 bushels to acre. Wisconsin grown seed, peck. 50c; bushel, \$1.75.

Cahoon Seed Sower

Sows all kinds of grain, clover seeds, etc., rapidly and evenly. A person entirely unused to seeding can, by following the simple directions sent with the machine, sow from four to six acres an hour at a common walking gait. It sows uniformly and saves four-fifths in labor by its use. Every farmer should have one of these sowers. Price, \$3.25.



READ'S BEARDLESS BARLEY

Evergreen Broom Corn

Wherever the location is suitable for growing Broom Corn farmers find it a paying crop, the demand for Broom Corn brush exceeding the supply. This evergreen variety grows about 8 to 10 feet high, stands up well, and is entirely free from crooked brush. The fiber is long and fine. It will not get red in the field before it is cut, but is strictly a green variety of brush. Lb., 20c, postpaid; pk., 60c, not prepaid.

Buckwheat

Sow 3 pecks to 1 bushel to the acre.

Buckwheat is not considered exhaustive to the soil. As a smothering crop, where the land contains objectionable weeds, it is very desirable, and it puts the soil in admirable condition for any crop that is desired to succeed it.

It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees. JAPANESE. It proves to be two weeks earlier than Silver Hull, both being planted at the same time. Kernels are peculiar and distinct. Makes a superior grade of flour. Lb., 20c, postpaid. Pk., 50c; bu., \$1.50, not prepaid.

SILVER HULL. Grain silvery-gray in color. Rounder than common buckwheat, is earlier, has thinner husk, and yields more. Lb., 20c, postpaid. Pk., 50c; bu., \$1.50.

COMMON BUCKWHEAT. Selected Seed. Lb., 15c, postpaid. Pk., 40c; bu., \$1.40.

Write for prices in larger quantities than here named.

Seed Flax

Price subject to market changes.

Flax should be sown late enough in the spring to avoid frost, but as early as it is possible to do so, in order to secure the early spring rains. When grown for the fiber, about one bushel should be sown to the acre; but if for seed alone, usually one-half bushel is sufficient. Lb., 20c, postpaid. Pk., 85c, not prepaid.

Write for prices in larger quantity.



Selected Field Corn

Corn is the most important crop with the majority of farmers who will read this catalog; consequently, we are devoting considerable space to the description of the different varieties we have to offer, but are listing only those that we consider to be the very best of their type. Our stocks are the product of carefully selected seedstock and of crops that have received every care necessary to the production of a grade of corn that can be recommended as strictly seedstock. We consider that we are listing these at very reasonable prices considering the high standard of quality which we know they represent.

When you stop to think that at our prices it would only cost you from 35c to 40c per acre to plant seed that will produce for you a crop yielding perhaps many bushels in excess of that which you would harvest were you to plant inferior or less carefully grown stock seed, we believe you will agree with us that the purchase of a few bushels of some of these select strains would prove to be a good investment. We would appreciate your order for any quantity and are prepared to make special prices on large lots. Prices herein named are for shipment F. O. B. Chicago. Bags free.

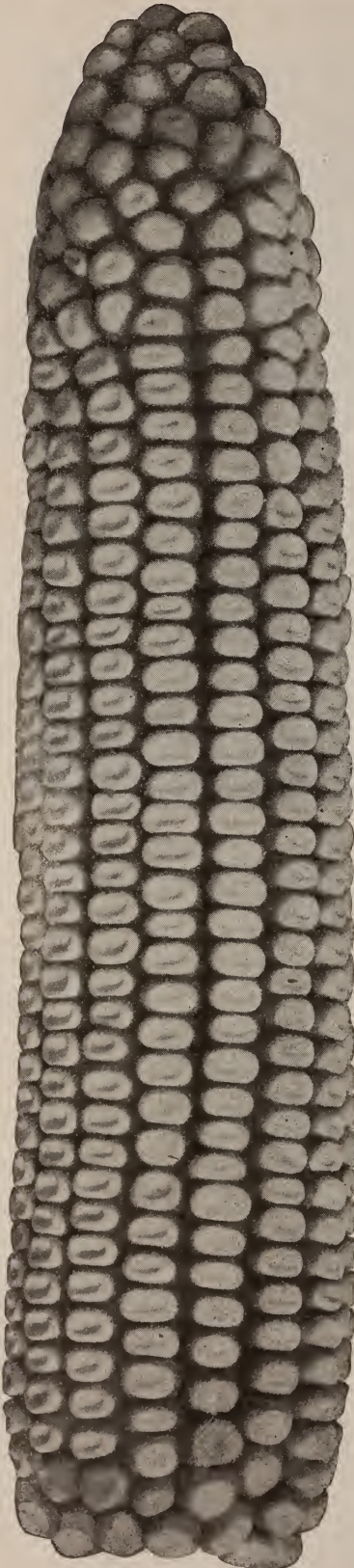
Golden Glow The illustration on this page shows a typical ear of this splendid variety. It is one of the earliest of the yellow dents and is especially adapted for growing in the northern states. It is now very largely planted in the state of Wisconsin and some splendid crops were harvested there last fall. The type of this corn is well fixed, the ears maturing very uniformly as to size and shape; the kernels are of good depth and set closely together filling out the cob evenly from butt to tip. The stalks are strong with ample foliage for silage if wanted for that purpose. We strongly recommend this variety for planting in Northern Illinois, Wisconsin, Michigan or sections in about the same latitude. Our stock was grown in central Wisconsin, has been carefully selected, shelled and graded and thoroughly tested as to vitality. Pk. 75c; bu. \$2.50; 5 bu. for \$11.00.

Minnesota No. 13 Another splendid early yellow dent. The ears are of handsome appearance, bearing 16 to 20 rows of bright, rich yellow, smooth, wedge-shaped kernels packed closely on the cob from butt to tip. The ears average eight inches in length, and are borne usually two on a stalk. No corn excels in quality the Minnesota No. 13; the cobs are well filled and the individual kernels plump and of good color. Minnesota No. 13 thoroughly matures in ninety days when planted on favorable soil and in a good location, but ninety-five to one hundred days places it out of danger under average conditions. Minnesota No. 13 will thrive and produce abundantly on most any soil, and will do remarkably well under adverse conditions when other varieties would fail entirely. Pk., 60c; bu., \$2.00; 5 bu. for \$9.50.

Pride of the North Ears 8 to 10 inches in length and $1\frac{1}{4}$ inches in diameter. Kernels closely set, above medium size, long, narrow, thin, of deep orange color, shading to pale yellow at the tip. Cob very small and red. In a test, 70 pounds of ears, not selected and but imperfectly dried, produced $60\frac{1}{4}$ pounds of shelled corn and only $9\frac{1}{4}$ pounds of cobs, instead of 14 pounds, the usual proportions. Stalks about medium height—6 to 8 feet. Our stock is Northern Illinois grown. Pk., 50c; bu., \$2.00; 5 bu. for \$9.00.

White Cap Yellow Dent For poor, thin land this is the Seed Corn to plant for good crops. It is a strong grower (6 to 7 feet high), resists heat and drouth wonderfully, yielding good large ears on small cobs. The outer end of the grain is white, deeply dented. The inside is yellow. The fodder is abundant and of superior quality, as it remains green after the grain is matured. Many of our Illinois and Wisconsin customers who have tried this think it is the best variety for their sections. Pk., 60c; bu., \$2.00.

Silver King or Wisconsin No. 7 The best of the white dent varieties for planting in latitude of northern Illinois or Southern Wisconsin. Of recent introduction, this variety has already become very popular. It has a great many merits to recommend it. Of good size, ears averaging from 8 to 10 inches in length, cobs uniformly and evenly filled out, kernels of good depth and pure white. For so large a Corn, it is early, maturing in about 100 days. It is a heavy cropper and will probably yield more to the acre than any other variety either yellow or white that can be grown in the latitude mentioned. We have an excellent stock of this splendid white corn. Pk., 75c; bu., \$2.50; 5 bu. for \$11.00.



GOLDEN GLOW CORN

TO AVOID DELAY, when ordering, mention your second choice.

SEED FIELD CORN—Continued

REID'S YELLOW DENT

The ear is of excellent shape, nearly cylindrical, tapering gradually to tip, length about 10 inches, kernels firm on cob, 18 to 24 rows, with narrow space between rows, color medium yellow with red cob. The ear is quite solid and rather smooth; matures in about 105 days, and yields well.

IOWA GOLD MINE

This variety has everywhere received the most cordial endorsement as one of the best and most profitable varieties. It is early, ripening in about 100 days, ears of good size, color a bright golden yellow; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. Seventy pounds of ear corn will make about sixty pounds of shelled corn; and in hauling to market it weighs out considerable more to the wagon load than common varieties.

WHITE FIELD CORN

IOWA SILVER MINE

Matures in about 100 days in the Illinois corn belt, say south of Chicago. The stalks grow to a height of 7 or 8 feet and set the ears about 3½ to 4 feet from the ground. The ears measure from 10 to 12 inches in length, and often weigh 1½ pounds. They are uniform in size and shape, with 16 to 20 straight rows of deep, pure-white kernels on a very small cob. *It is the heaviest yielder we know, having produced over 200 bushels to the acre.*

WISCONSIN WHITE DENT. A standard early variety. It is 16 to 20 rowed, deep grained, medium-sized ear, with a small cob. In sections of Wisconsin where other varieties of corn were almost failures this handsome White Dent matured good crops in a very backward season.

SANFORD. A well-known white flint corn. Medium-sized ear, averaging about 10 inches long. Handsome, large, and well-filled grains.

MONARCH. Pure white dent, large ears, deep grains, small white cob. Most wonderful yielder. This corn is nearly as early as Extra Early Adams, and makes the very finest roasting ears, and is ready for the table before any other variety.

RED COB FODDER OR ENSILAGE CORN. This is one of the best fodder corns, either to feed green right from the field, to put up for the silo, or to cure and stack away. It is pure white corn, cropping as high as 45 tons of fodder per acre. It is sweet, tender, and juicy; has short joints and therefore abundance of leaves, and grows to a fair height, but not too tall.

LONGFELLOW

The Favorite with Dairymen

The most popular of all flint varieties. It is a beautiful eight-rowed yellow flint, with slender, straight ears, 10 to 15 inches long. Kernels are large and wide, and cob very small. Ripens in 75 to 85 days, and very prolific. Well adapted to the northern states and largely grown in northern Wisconsin and Minnesota.

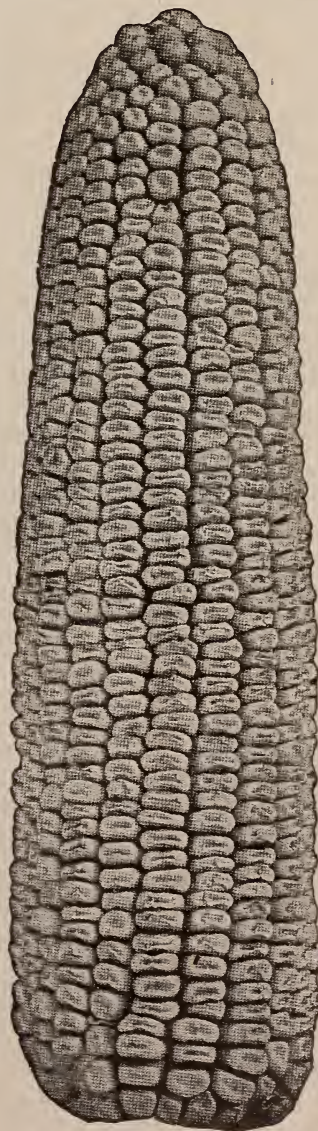
Manual of Corn Judging

By A. D. SHAMEL. The advanced methods of corn judging and all the available information on this subject are incorporated in this work. It is especially helpful to farmers interested in improvement of corn, for corn schools, farmers' institutes, etc. Profusely illustrated with photographs of ears of the leading varieties of corn, desirable ears contrasted to undesirable, and kernels. In addition the score cards used in the corn states are given. **Postpaid, 50c.**

IMPROVED LEAMING

A medium early, yellow dent, ripening in about 100 days. Having large, broad leaves, it is a good sort to grow for ensilage. It has been tested and proved satisfactory in nearly all the corn-producing states. A heavy yielder and rich in the qualities which make it valuable to stock feeders. We offer some very choice seed of the improved strain.

WE wish to impress upon buyers the advisability of ordering **Seed Corn early**; also state second choice. In past seasons we have been obliged to return money, the demand far exceeding what was deemed an ample supply.



SEED CORN PRICES FOR THE PRESENT SEASON

	POSTPAID		NOT PREPAID	
	PKT.	QT.	PK.	BU.
Minnesota No. 13, extra early.....	\$0 10	\$0 25	\$0 60	\$2 00
Reid's Yellow Dent.....	10	25	60	2 00
Pride of the North, yellow dent.....	10	25	60	2 00
Iowa Gold Mine, yellow dent.....	10	25	60	2 00
White Cap Yellow Dent, early.....	10	25	60	2 00
Leaming; the old favorite for grain and fodder.....	10	25	60	2 00
Iowa Silver Mine, a prize winner.....	10	25	60	2 00
Champion White Pearl.....	10	25	60	2 00
Wisconsin White Dent.....	10	25	60	2 00
Sanford White Flint.....	10	25	60	2 00
Monarch White Dent.....	10	25	60	2 00
Longfellow, yellow flint.....	10	25	60	2 00
Red Cob Fodder or Ensilage.....	10	20	40	1 25

Superior Grass Seeds



PERENNIAL RYE



KY. BLUE GRASS

Our stocks of grass seeds are selected with the greatest care. We handle none other than those of highest quality.

We wish to direct attention to our low prices on Kentucky Blue Grass and Canada Blue Grass. The past season was very favorable for the growth of these grasses so that a splendid crop of fine quality was harvested. These conditions enable us to offer these excellent grasses at much lower prices than ordinarily sold for.

The prices quoted are net, and subject to market fluctuations. Ask for ruling prices on Timothy and Clover when ready to buy. We ship by freight or express at expense of purchaser. If to be mailed, please add 8 cents per pound for postage.

Awnless Brome Grass (*Bromus inermis*). Will stand long droughts and produce heavy crops in dry sections where other grasses would perish. It is one of the hardiest grasses. Will succeed in a wider range of temperature than any other grass. Sow 35 to 40 lbs. to the acre.

Canada Blue Grass (*Poa compressa*). Used sometimes as a substitute for Kentucky Blue Grass in Lawn Grass Mixtures, but not so desirable for that purpose either in color or texture. Its merit is in the fact that it will grow on almost any soil and under adverse climatic conditions where other grasses would fail. Especially suited for thin, dry soil.

Creeping Bent Grass (*Agrostis Stolonifera*). Adapts itself fairly well to moist soils, but thrives best on low or moist lands. On account of its short, slender foliage, vigorous root growth, and creeping habit, it produces a turf capable of withstanding a great deal of wear, and should be included in all Mixtures designed for pleasure grounds. Seeded with other grasses at the rate of about 30 pounds to the acre.

Crested Dogtail (*Cynosurus Cristatus*). On dry, hard soils and hills it is valuable for its hardiness. Useful for lawn mixtures. Sow 25 lbs. to the acre.

Hard Fescue (*Festuca Duriuscula*). A dwarf grass desirable for dry localities where many other grasses would fail. Sow 30 lbs. to the acre.

Italian Rye Grass (*Lolium Italicum*). Yields an early and abundant harvest on any good common soil. Recommended for pasture mixtures. Also adapted for moist situations.

Kentucky Blue Grass (*June Grass; Poa Pratensis*). A low-growing, creeping grass of fine texture and color, also of good nutritive value. Desirable for either lawns or pastures. It is of slow growth, requiring at least two seasons in which to establish itself. For that reason it should be seeded with other grasses. It should form a liberal proportion of all good lawn grass mixtures, as it possesses to a larger extent perhaps than any other variety, those qualities most essentially required for a fine, permanent turf. For this purpose sow 30 to 40 pounds to the acre with other grasses. Succeeds almost everywhere.

Meadow Fescue (*English Blue Grass; Festuca Pratensis*). An excellent pasture grass, early, nutritious, and thrives well on all good soils. The long tender leaves are much relished by cattle. It makes a very good quality of hay. Flowers in June and July. Sow 40 lbs. to the acre.

Meadow Foxtail (*Alopecurus Pratensis*). One of the finest varieties for permanent pastures, grows rapidly after the cropping of sheep and cattle. It grows well on all soils except the dryest sands and gravels, but thrives best on a rich, moist, strong soil. Flowers in May. Sow 25 lbs. to the acre.

Orchard Grass (*Cocksfoot; Dactylis Glomerata*). One of the most widely known of pasture grasses. Its properties are earliness, rapid growth, and power to resist drought. Will endure some shade. If cut when in flower, it makes first-rate hay; ripe, it makes poor hay. Flowers about the same time as Red Clover. Sow 24 lbs. to the acre.

Perennial Rye Grass (*Lolium Perenne*). Nutritious and valuable; in most places not excelled by Blue Grass for pasture. It thrives on almost all cultivated soils; starts early and grows all summer. Flowers in June. 24 lbs. to the bushel. Sow 60 lbs. to the acre.

Perennial Sweet Vernal (*Anthoxanthum Odoratum*). Useful as a mixture with other grasses on account of its early growth. It emits an agreeable odor when cut for hay. Sow 10 lbs. to the acre with other grasses.

Red Top (*Agrostis Vulgaris*). Thrives best on low lands, where it cuts a good crop of rather light hay of fair quality. Suitable for low pastures. Sow 2 bu. per acre; 14 lbs. to bushel. Useful for lawn or field.

Rhode Island Bent (*Agrostis canina*). A low-growing, fine-leaved grass of good color. Useful in lawn mixtures. Adapts itself to almost any soil, but thrives best on high or sandy land.

Tall Fescue (*Festuca Elatior*). Produces large crops on strong, heavy land. Grows naturally in shady woods, roots deeply, and stands dry weather remarkably well. Sow 40 lbs. to the acre.

Timothy (*Phleum pratense*). The standard grass for hay lands. Owing to short crops the past two years the supply has become very limited. To seed alone use 15 lbs. to the acre, or 12 lbs. of Timothy and 3 lbs. Medium Red Clover (a desirable combination). It thrives best on loamy soils.

Wood Meadow Grass (*Poa nemoralis*). The best variety for sowing in orchards under trees, or for shady lawns and pastures. Sow 30 lbs. to the acre.



SHEEP'S FESCUE



MEADOW FESCUE

GRASS SEED (not prepaid)			GRASS SEED (not prepaid)		
	lb.	100 lbs.		lb.	100 lbs.
Awnless Brome Grass	\$0 20	\$14 00	Orchard Grass	\$0 25	\$15 00
Canada Blue Grass	20	12 00	Perennial Rye Grass	15	7 00
Creeping Bent Grass	35	30 00	Perennial Sweet Vernal	45	40 00
Crested Dogtail	35	25 00	Red Top, fancy	35	28 00
Hard Fescue	25	17 00	Rhode Island Bent	35	30 00
Italian Rye Grass	15	7 00	TIMOTHY	15	market
Kentucky Blue Grass	25	17 00	Tall Fescue	25	22 00
Meadow Fescue	25	18 00	Wood Meadow Grass	35	30 00
Meadow Foxtail	35	25 00			

Express or Freight charges always to be paid by the purchaser, but if wanted to be sent by mail, add at the rate of 8 cts. per pound to prepay postage. If this is omitted the quantity will be reduced.

Grass Seed Mixtures for Hay and Pasture

These mixtures are specially blended with a view to secure the largest possible yields. All the grasses are permanent when once established. They will last indefinitely if occasionally top dressed.

ALL AUTHORITIES agree that for **Pasture** and **Hay**, best results are obtained from the use of grass seeds in species. The reasons are obvious. First—A number of species will insure a much denser growth than the same kind of seeds of one or two species, and prove less exhausting to the soil, since they live to a large extent on the same constituents. Second—Seasons that affect some grasses adversely are favorable to other sorts, so that with a mixture failure is practically impossible, provided, of course, the seed is good. We take great pains in selecting grass seeds in order to secure the highest germination, and mixtures are based on a full appreciation of the requirements of the different soils for which they are intended.

Mixture for Hay Land This is composed of thoroughly re-cleaned grasses and clovers which mature evenly and produce a heavy growth of high nutritive value. After the crop is cut, continuous and abundant pasturage until late fall sets in. Sow 20 pounds to the acre. Price per pound, 25c.

Mixtures for Permanent Pastures Containing grasses and clovers rightly proportioned, insure a succession of rich fodder throughout the entire season. We have made a very careful selection of such varieties as are especially adapted to the different soils named below, and our sales testify that these mixtures are giving our customers excellent results. Sow 30 lbs. to the acre.

For Average Land	For Low or Moist Land	For High or Dry Land
5 lbs. Timothy	6 lbs. Tall Fescue	6 lbs. Orchard Grass
3 " Orchard Grass	1 " Orchard Grass	4 " Hard Fescue
3 " Meadow Fescue	3 " Meadow Fescue	4 " Sheep Fescue
4 " Kentucky Blue	3 " Timothy	3 " Timothy
4 " Red Top	5 " Creeping Bent	4 " Perennial Rye
4 " Perennial Rye	4 " Perennial Rye	5 " Canada Blue
3 " Red Clover	5 " Red Top	2 " Red Clover
1 " White Clover	3 " Alsike Clover	2 " Red Top
3 " Canada Blue		

VETCHES OR TARES

Excellent for feed as well as to plow under for fertilizer. See page 38.

30 lbs. Price per acre, \$6.50

30 lbs. Price per acre, \$6.50

30 lbs. Price per acre, \$5.50



FIELD OF ALFALFA—THIRD CUTTING IN ONE SEASON

CLOVERS—Re-cleaned Seeds

Prices subject to change without notice. Bags, 22c each extra

Alfalfa or Lucerne

One of the most valuable forage plants. It will adapt itself to almost any land that will grow clover, but thrives best on deep, well-drained soil. It may be cut several times during a season, and will yield more than any other like crop. The hay is excellent in quality, relished by all stock and of special value to the dairy farmer. Though a wonderful cropper, it does not impoverish the soil, but actually adds to its fertility. A vigorous root-growth enables it to withstand extreme drought, which often makes it a desirable hillside crop. It has steadily come into favor and is now extensively grown in nearly all the States. Every farmer should not delay another season, but put in a trial acreage this spring. We recommend spring seeding at the rate of 20 lbs. to the acre. A well-prepared seed bed free from weeds is essential for best results. Selected and thoroughly re-cleaned stock, per pound, 35c, prepaid; bushel of 60 pounds, not prepaid, \$10.50. Samples of this stock gladly mailed upon request.

Medium Red or June Clover. One of the most widely grown farm crops. Valuable for hay, pasturage, or for plowing under. If seeded alone, about 12 lbs. is required to the acre. Extra select stock, per lb., postpaid, 35c; 10 lbs., not prepaid, \$2.75; 100 lbs., \$23.00.

Mammoth Clover. Grows taller and makes heavier growth than Medium Red. Excellent to plow under for green manure. Seed 10 to 12 lbs. to the acre. Per lb., postpaid, 40c; 10 lbs., not prepaid, \$3.00; 100 lbs., \$23.00.

Alsike. A very hardy clover; good for pasture and hay. Does especially well on low or moist land. Lb., postpaid, 40c; 10 lbs., not prepaid, \$3.00; 100 lbs., \$25.00.

Crimson Clover. A quick-growing annual. Desirable for pasture or to plow under. Where the winters are not too severe, should be seeded in the fall about 15 lbs. to the acre. Lb., postpaid, 30c; not prepaid, 10 lbs., \$2.00.

White Clover. Its short, spreading habit of growth makes it valuable for lawn or pasture; very hardy. Extra fancy stock, pound, postpaid, 60c; 5 lbs., not prepaid, \$2.25.

On larger quantities than here quoted, write for prices

MILLETS

The several varieties will furnish food for live stock in the form of grain or seed, fodder, soil food or pasture. Especially valuable in seasons when the hay crop is short. They make the best hay if cut in blossom and carefully cured.

When spring is so unfavorable that other crops fail to grow, or when the season is so late and wet that corn will not mature, then there is demand for Millet. It should, however, be sown regularly every year, and not merely as a catch crop.

GERMAN MILLET. This is one of the best of the late forage crops. Can be planted as late as July, and will produce from three to four tons of hay per acre. For this purpose the crop should be cut when in full bloom. Sow at the rate of 35 lbs. per acre. Choice stock. Lb., 10c; 10 lbs., 75c; 100 lbs., \$4.00.

COMMON MILLET. Similar to above and used for the same purpose. Does not yield so heavy, however, nor is the hay of as good quality. Lb., 10c; 10 lbs., 75c; 100 lbs., \$4.00.

HUNGARIAN MILLET, sometimes called Hungarian Grass. This variety is in good demand as it will produce a crop earlier than any of the other sorts. It can, therefore, be planted later. The hay is also of excellent quality. Lb., 10c; 10 lbs., 60c; 100 lbs., \$3.50.

CURLED or CAT TAIL MILLET. Favorite variety for the south where it yields immense crops and can be cut several times a season. Lb., 15c; 10 lbs., \$1.00; 100 lbs., \$6.00.

JAPANESE MILLET. Especially valuable for planting on low lands. It will make a growth of 6 to 8 feet, affords an immense amount of excellent fodder. It is quite distinct from the other Millet. Should be seeded broadcast at the rate of about 20 pounds to the acre. Can be drilled in and cultivated, requiring when sown in that way about 10 lbs. to the acre. Lb., 15c; 10 lbs., \$1.00; 100 lbs., \$6.00.

Prices do not include postage. If to be mailed add 8c to pound rate. All quotations subject to market changes.

SEED RYE

Sow at the rate of two bushels to the acre.

SPRING RYE. This is distinct from Winter Rye. It does not stool out like that variety, but the straw is equally valuable. Spring Rye is now largely sown in the Middle and Western States in place of oats. It makes a good "catch crop" where winter grain has failed. Lb., 10c; pk., 50c; bu., \$1.65. Write for prices in larger quantities.

WHITE WINTER. This is grown by many, and plowed under as green manure. White Rye is sown in the fall months. We have a good clean strain of this standard grain. Lb., 10c; pk., 50c; bu., \$1.65; bags included.

SOY BEANS

Nutritive food for hogs and cattle. Almost or fully as good as Cow Peas to plow under. Plant 1 bu. to acre. Lb., 10c; bu., \$3.00.

Sunflower, Mammoth Russian

The best variety for the farmer. Growing to double the size of the common, and the yield of seed is twice as great. Plant in spring in rows about 20 inches wide. Use 8 or 10 quarts to acre. The seed is much relished by poultry and horses. Oz., 5c; lb., 20c, postpaid; 10 lbs., 75c, not prepaid.

VETCHES or TARES

These are grown very extensively in Europe for stock feeding in the form of fodder, also for plowing under to furnish humus in the soil. The Department of Agriculture estimates the value of a plowed-under crop of Sand Vetch as equivalent to putting into the ground \$16 to \$45 worth of commercial fertilizers per acre.

SAND or WINTER VETCH (*Vicia Villosa*). Rapidly coming into favor as a winter cover crop, also desirable to plow under for green manure, or can be pastured or cut for hay. Being of the pea family, it restores nitrogen to the soil and is therefore a crop that can be especially recommended for worn-out land. It will adapt itself to almost any soil and will grow vigorously on dry, sandy lands, under almost any adverse condition of climate. As the name implies, it is usually sown in the fall, broadcast, at the rate of a bushel (60 lbs.) to the acre. Sometimes sown with rye, 40 to 50 lbs. of Vetch to about 30 lbs. of rye. If sown in the spring, it will produce a crop which can be cut for hay in mid-summer and second growth pastured afterwards. Try this crop and be convinced of its many merits. Choice quality seed, per pound, 15c; 100 lbs., \$11.00.

SPRING VETCH (*Vicia Sativa*). Used for soiling or fodder. Sow 100 lbs. to the acre when alone, or with wheat or oats about 60 lbs. Lb., 10c; 100 lbs., \$6.00.

SPRING WHEAT

Sow from $\frac{1}{4}$ to $\frac{1}{3}$ bushels per acre.

BLUE STEM. A distinct variety from all other Spring Wheats; green, has a beautiful blue bloom on it, similar to the bloom on a grape, and which can be removed by passing the finger over the stem. This bloom disappears as the wheat ripens and the stem and straw assume a beautiful golden-yellow hue, and entirely free from rust. This variety has no beards and is especially adapted to the older wheat-growing sections of the Northwest. The kernel is of the hard variety, similar to the Red Fife; very productive; one of the best Spring Wheats for milling. Lb., 10c; pk., 60c; bu., \$1.90.

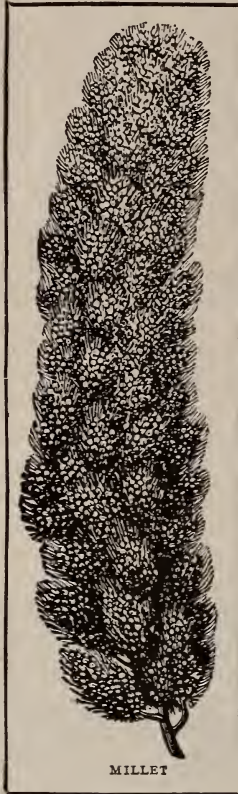
WINTER WHEAT

In due season for fall sowing we shall be able to supply the leading varieties of Winter Wheat. When ready to buy, tell us kinds and quantity you require and we will name ruling price at that time.

WILD RICE (*Zizania Aquatica*)

This plant thrives on the borders of lakes and ponds. Wherever it grows, wild ducks and geese discover it. The seed may be planted at any time when the water is free from ice. To insure germination the seed is kept in water in cold storage until required. We ship in lots of not less than 25 lbs. by express only. Packed in damp moss, so as to reach purchaser in good condition. 25 lbs. for \$7.50. Write for price on larger quantities.

NOTE. Don't hesitate to write us if there is anything at all that you need for your farm or garden. We can procure for you almost anything that is listed by others, so that it is not necessary for you to go elsewhere just because you do not find the particular article listed in this catalogue. State your needs by letter and we shall endeavor to serve you.



Forage and Fodder Plants.

Just as the human appetite craves a change in the daily rations, so does the farm stock enjoy with relish a change in their food, the result being an improved appetite and increase in growth. The forage plants offered on this page have all been tried and proven good. They are excellent either as green or dry feed.

Non-Saccharine Sorghums.

Their cultivation is as simple as that of corn. They will grow on any land where corn will, even on land too poor for corn. All these varieties endure dry weather well.

Jerusalem Corn.

A sure cropper even in dry seasons. It grows about five ft. high; makes one large head on main stalk and several smaller heads on side shoots. The grains are white, flat, and much relished by chickens. Three pounds will plant an acre. Post paid, lb. 20c; by freight or express, not prepaid, 10 lbs., \$1.00; 50 lbs., \$3.50; 100 lbs., \$6.

Milo Maize.

Will make a crop where corn would fail. Stalks reach eight to ten feet in height and yield a large amount of fodder. Produces large heavy heads of grain. Plant in three foot rows, leaving one or two plants every twelve inches in the row, and cultivate as corn. Three to five pounds per acre. Postpaid, lb. 20c; by freight or express, not prepaid, 10 lbs., 75c; 50 lbs., \$3.00; 100 lbs., \$5.50.

Prices of all articles quoted on this page are subject to change. The pound prices include postage; bushel and 100 pound prices are by freight or express at purchaser's expense.

Sugar Cane or Sorghum

This is a splendid fodder plant and is grown extensively for dairy feed, also for hogs or sheep. For fodder, it is sown broadcast, about 4 pounds to the acre or drilled in thickly, 10 to 15 pounds. We have also an excellent stock of the Early Amber variety, which we recommend to those who plant for syrup. For this purpose, drill in 4 or 5 pounds to the acre. Sugar Cane for fodder, 10 lbs. for 75c; 100 lbs. for \$5.00. Early Amber, lb., 15c; 5 lbs. for 65c.

KAFFIR CORN. The Great Dry Weather Corn.

Red or White Seeded.

This Non Saccharine Cane is one of the best of forage plants. It is the greatest grain producer of the Cane family, and is greedily eaten by all domestic animals, whether fed in the grain or ground and cooked. Valuable as a substitute for Buckwheat flour. For grain sow at the rate of 5 to 7 pounds per acre and cultivate same as corn; average yield 50 bushels per acre. For hay, sow in drills or broadcast at the rate of 50 to 75 lbs. per acre, and cut when seed is coming to dough stage; makes a very valuable hay, of good quality, and will yield from 3 to 10 tons per acre. Try a few acres and surprise your herd with plenty of feed. Postage paid, lb., 20c; by freight or express not prepaid, 10 lbs. for 50c; 25 lbs. for \$1.00; 100 lbs., \$3.25; bags included.



CANADA FIELD PEAS.

Grown with Oats makes a fodder or hay which doubles the production of Milk.

They should be sown in March or early April, two bushels of peas and two bushels of oats to the acre. The peas should be sown first and plowed under about 4 inches deep; the oats then sowed and harrowed in. They will be ready for cutting about the latter end of June when the oats are in milk and the pods formed on the peas. Prices variable, but always as low as the market will permit. Peck, 65c; bu., \$2.50.

COW PEAS.

Equal to Clover as a Soil Fertilizer.

Green crops plowed under are one of the cheapest methods of enriching the soil. Cow Peas are invaluable for the purpose as well as providing a large amount of fodder. They should be sown in May or June at the rate of 1½ bu. to the acre. The pods may be removed, dried, and the grain ground, and the plants plowed under. The stalks and leaves fed green make excellent fodder. Pt., 20c; qt., 35c, prepaid; pk., \$1.00; bu., \$3.75 not prepaid.

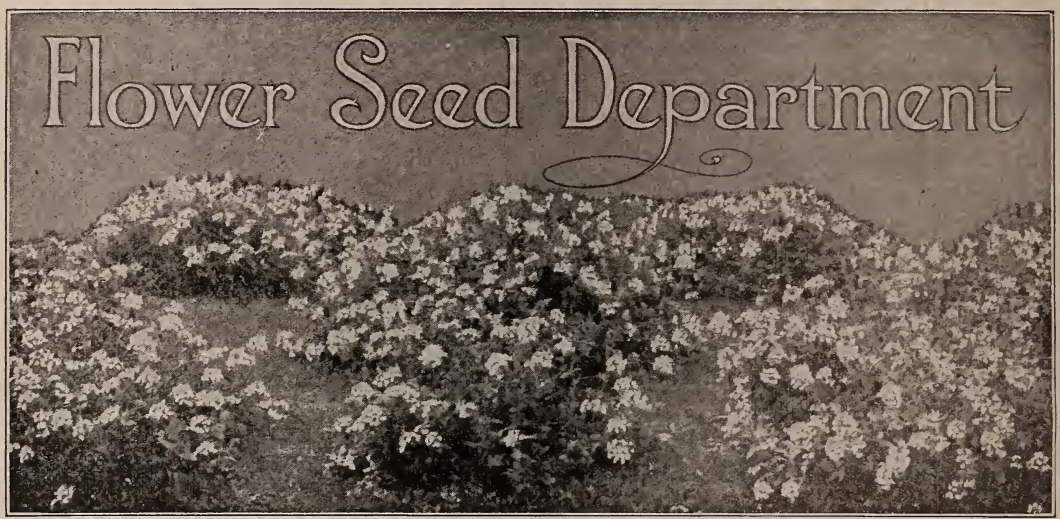
DWARF ESSEX RAPE.

Best and Most Fattening Sheep Forage Known.

This forage is also used for pigs and dairy cows with success and profit. Under favorable circumstances it is ready for pasturage in six weeks from the time of sowing. One acre of good rape will carry a flock of a dozen sheep for two months. Rape requires the same cultural treatment as the turnip. It is grown exclusively for its leaves. Stock should be fed alternately on grass and rape; not on rape exclusively. Rape-fed animals should have free access to salt. The seed should be sown in May, for midsummer pasturage; or any time before the end of August (at the North) for autumn pasturage. Rape is a plant which loves cool weather, and thrives better in autumn than in midsummer. The seed should be used at the rate of 3 pounds per acre in drills, or 5 to 10 pounds per acre broadcast. Lb., 20c, postpaid. By express or freight, not prepaid, 10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$6.00; bags included. Write for price in larger quantities.

Turnips and Carrots for Stock. We at all times carry ample stocks of these seeds. Pages 30 and 11.

Prices herein quoted are all subject to changes of the market.



Flower Seed Department

IN THIS DEPARTMENT we catalog only those varieties and strains which from our long experience we know are of sterling worth. We do not handle seeds of poor or unknown germination, but supply our customers with seeds that are pure, fresh, and reliable. *In quality they are second to none and equal to any.* The botanical and common names are arranged in alphabetical order, and a very complete index will be found on page 96 immediately facing our order sheet in back of book.

Nature's favorite method of plant reproduction is by seeds; and in this way great numbers of plants can be produce* at the least expense; also such plants, as a rule, are more vigorous and more free from any constitutional defects of vitality. Gardeners, therefore, prefer this method of raising plants whenever it is available, as it is in the case of most Annual, Biennial, and Perennial plants. A dollar's worth of seeds will produce more plants than \$5.00 would buy.

We sell nearly every variety of seeds by the packet; some few are also sold by weight. Our packets are generously filled and contain more seeds in proportion to the ounce price than those put up by the majority of seedsmen. There is usually sufficient seed in a packet for at least two sowings.

Brief Cultural Directions are printed on the packets. By following them almost any person will have fair success in the culture of flowers. While some seeds need special treatment, the following general rules will apply to all: Make the surface of the soil as fine, smooth, and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four or six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily; thin out the young plants to prevent crowding and keep entirely free from weeds. Never allow the seedlings to suffer from drought.

Much of the disappointment and failure that attends the growing of flowers from seed may be avoided by carefully noting the class to which each flower plant belongs, and following the appropriate culture. Any extra labor or care given to flowers always redounds to the credit of the cultivator.

"To raise your flowers, various arts combine,
Study these well, and fancy's flight decline;
If you would have a vivid, vigorous breed
Of every kind, examine well the seed;
Learn to what elements your plants belong;
What is their constitution, weak or strong.

Be their physician, careful of their lives,
And see that every species daily thrives;
These love much air, these on much earth rely;
These, without constant warmth, decay and die.
Supply the wants of each and they will pay
For all your care through each succeeding day."

Flowering Plants are Classed as Annuals, Biennials, and Perennials

Annuals are those which mature, bloom, and ripen seed the first year and then perish.

Biennials do not generally flower the first season, and are in perfection only the second year.

Perennials flower several years in succession. Many bloom the first year if sown early.

Hardy Annuals, Biennials, and Perennials can be sown in the open ground early in the spring if desired, and Biennials and Perennials will not require any protection in winter. The blooming period of all classes may be greatly extended by picking off the flowers as soon as they fade.

Half-Hardy Annuals, Biennials, and Perennials can not be sown in open ground until warm weather; they may be sown in the house, if desired, early, and afterwards transplanted. The latter two need to be protected in winter, or carried until spring in cold-frames or greenhouses.

In this list of flower seeds the following abbreviations are used to indicate the classification:

H. A.....Hardy Annuals	H. P.....Hardy Perennials	H. H. B.....Half-hardy Biennials
H. H. A.....Half-Hardy Annuals	H. H. P.....Half-Hardy Perennials	H. C.....Hardy Climber
T. A.....Tender Annuals	H. B.....Hardy Biennials	G. S.....Greenhouse Shrub

USE ORDER SHEETS—It will be a great help to us in filling your order correctly and speedily if you make it out on our order sheet. If you wish to write us about anything not directly connected with your order, please use a separate sheet of paper. If you want more order sheets or envelopes, ask for them. Keep a copy of your order.

General List of Flower Seeds

EVERY year we revise the line of seeds we carry. All inferior sorts are then eliminated, while to our list we add those meritorious varieties which, by test, have proven themselves superior to older kinds. We now offer a very complete assortment of seeds of HIGHEST QUALITY—the Best that Money Can Buy. We sell nearly every variety by the packet; some popular sorts are offered by weight as well. All Flower Seeds will be sent prepaid at prices herein stated.

Novelties and Specialties for 1914

Several very desirable new things in flowers are described in detail and many of them illustrated on the front pages of this catalog. Kindly refer to these before writing out your order. We are certain you will want to try some of these excellent novelties.

Aid in Selecting Varieties

In our general list the arrangement is, for the most part, alphabetical, the various plants being described by class, hardiness, height, color of flower, time of bloom, etc. This information we hope will be an aid to determine whether or not the flower under consideration meets your requirements or otherwise.

Please Order Flower Seeds by Number and save writing out difficult names.



ADONIS AESTIVALIS



AMARANTHUS CAUDATUS

- | | | | | | |
|------|---|------|------|---|---------|
| 2000 | ABRONIA umbellata (Sand Verbena). H. A. | Pkt. | 2007 | ADLUMIA cirrhosa. H. B. climber, 15 ft. Beautiful foliage, pink flowers in midsummer..... | Pkt. 10 |
| | Trailing habit. Thrives in poor soil. Sow in open ground in May. Bears pink flowers in clusters all summer..... | 5 | 2002 | ADONIS aestivalis (Flos Adonis). H. A. 1 ft. Dark-green foliage; scarlet flowers. June to August | 5 |
| 2001 | ABUTILON. Shrubby plants suitable for house, greenhouse, or garden. 4 ft. Bell-shaped flowers of various colors. Mixed..... | 10 | 2017 | AGATHEA caelestis (Blue Daisy). T. P. 1 1/2 ft. Daisy-like flowers, blue with yellow disk. Valuable for winter blooming in the house..... | 5 |
| 2012 | ACHILLEA "The Pearl" (Yarrow). H. P. 1 1/2 ft. Double white daisy-like flowers in summer and fall. | 10 | 2139 | ALONSOA grandiflora (Mask Flower). H. H. A. 2 ft. Easily grown; desirable for bedding and cut flowers; scarlet..... | 5 |
| 2022 | ACONITUM Napellus (Monk's Hood). H. P. 4 ft. Helmet-shaped blue flowers. Does well in shade. | 5 | | | |

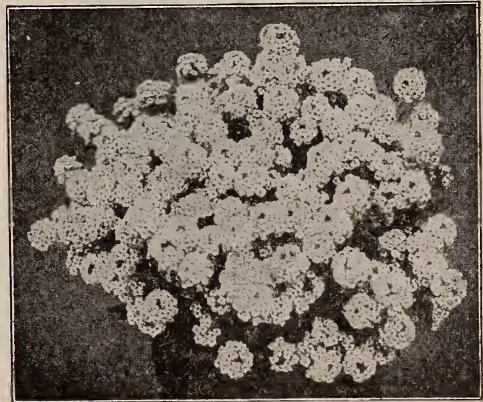


DWARF AGERATUM

AGERATUM

Half-hardy annual. Grows well anywhere and blooms continually until destroyed by frost. Valuable for cut flowers. Tall sorts are effective grown with Alyssum, Candytuft, etc. Dwarf varieties are suitable for edgings.

- | | | | |
|------|--|----------------|---|
| 2023 | Imperial Dwarf, Blue, 9 inches..... | 1/8 oz., 10c.. | 5 |
| 2025 | Imperial Dwarf, White, 9 inches..... | 1/8 oz., 10c.. | 5 |
| 2033 | Imperial Dwarf, Mixed..... | 1/8 oz., 10c.. | 5 |
| 2024 | Blue Perfection, 9 inches; very dark..... | 5 | |
| 2032 | Little Blue Star, 5 inches, bright blue..... | 15 | |
| 2038 | Mexicanum, 18 inches, blue..... | 1/4 oz. 10c.. | 5 |
| 2039 | Album, 18 inches, white..... | 1/4 oz. 10c.. | 5 |
| 2040 | Mixed, 18 inches..... | 1/4 oz. 10c.. | 5 |



SWEET ALYSSUM

ALYSSUM

Hardy annual of dwarf habit, blooming until killed by frost. Fine for beds, borders and vases. The snow-white flowers are fragrant and lasting. For edging to beds or borders, sow thickly to form masses. Cut flowers freely and others will take their places.

- | | | | |
|-------|---|---------------|---|
| 2084 | Maritimum (Sweet Alyssum). 1 ft..... | 1 oz. 25c.. | 5 |
| 2085 | Carpet of Snow. Of trailing habit; 4 in. 1/4 oz. 20c.. | 5 | |
| 2091 | Little Gem. Erect, distinct, 6 inches. 1/4 oz., 20c.. | 5 | |
| 2092 | Little Dorrit. A gem for edgings; 4 in. 1/4 oz. 20c.. | 10 | |
| 2401 | Lilac Queen. Dwarf; lilac..... | 15 | |
| 2097 | Saxatile compactum. H. P. 1 ft. In spring each plant is a mass of golden yellow flowers. 1/4 oz. 15c | 5 | |
| 2045 | AMARANTHUS caudatus (Love-Lies-Bleeding). H. A. 3 ft. Brilliant foliage; dark-red, drooping spikes..... | 1/2 oz. 10c.. | 5 |
| 2046 | Tri-color (Joseph's Coat). Foliage crimson yellow and bronze..... | 1/4 oz. 10c.. | 5 |
| 2046a | Fine Mixed. Above and others..... | 1/4 oz. 10c.. | 5 |

- 2098 **AMPELOPSIS Veitchii** (Boston Ivy). Pkt.
Rapid-growing, hardy vine. It adheres firmly to
stone, brick, or wood, foliage turning very bril-
liant in the autumn.....½ oz. 15c.. 5
- 2145 **ANCHUSA Italica**. H. P. 4 ft. Blue star-shaped
flowers from May until August. Desirable for
borders, also for cut flowers..... 10
- 2100 **ANEMONE** (Windflower). H. P. 9 inches. Poppy-
like flowers in spring. Fine for bouquets. The
colors are brilliant and showy. Mixed..... 5
- 2146 **ARCTOTIS Grandis**. H. H. A. 2 ft. Bushy, branch-
ing plant with daisy-like flowers; white with light-
blue center. Valuable for cutting from July until
frost 5

ANTIRRHINUM (Snapdragon)

H. H. P. 1½ to 2 ft. Dark, glossy leaves, and curiously shaped, showy colored flowers with spotted throats. Our list embraces the best of the giant-flowered, improved strains. Though perennial, Snapdragons blossom the first year, if seed is sown early. Slightly covered with leaves, they withstand our winters. Succeed best in rather light soil.



SNAPDRAGON "VENUS"

TALL, GIANT-FLOWERED SORTS (3 feet)

The following five varieties have very large individual flowers borne upon long spikes.

- 2070 **Majus grandiflorus**, fl. pl. Perfectly double pure-
white flowers of very curious form..... 20 Pkt.
 - 2078 **The Bride**. White, changing to rose..... 10
 - 2069 **Venus**. Pink shade on white ground..... 15
 - 2069a **Purple King**. Intense deep purple..... 20
 - 2048 **Queen Victoria**. White, fine foliage..... 5
- We offer below six distinct colors, also mixtures of the Giant strain—a great improvement over the old tall-growing sorts.
- 2051 Light Pink..... 5
 - 2056 White 5
 - 2057 Carmine 5
 - 2049 **Giant-Flowered Mixed**.....¼ oz., 25c.. 5
 - 2050 **Tall Sorts Mixed**.....¼ oz., 15c.. 5
 - 2058 Coral Red..... 5
 - 2068 Deep Rose..... 5
 - 2083 Yellow 5

DWARF VARIETIES (12 to 18 inches)

This class, owing to their dwarf and compact habit of growth, are well adapted for bedding out.

- 2047 **Queen of the North**. White..... 5
- 2071 White 5
- 2076 Carmine 5
- 2077 Pink Empress..... 5
- 2082 **Mixed Dwarf Sorts**.....¼ oz., 15c.. 5
- 2080 Deep Rose..... 5
- 2079 Black Prince..... 5
- 2081 Yellow 5

- 2402 **ARISTOLOCHIA Siphon** (Dutchman's Pipe). H. P.
A splendid climbing plant to train against a house
or trellis. Heart-shaped leaves.....10c



ARTEMISIA SACCORUM VIRIDIS

2156 ARTEMESIA sacorum viridis—"Summer Fir"

A new ornamental foliage plant of recent introduction from China, a rapid grower, attaining its full growth during the first season, forming pyramidal bushes from three to five feet high, the individual plants reminding one of small Christmas trees.

It may be grown as a pot plant for groups and borders, and also as an annual hedge in the same manner as the Summer Cypress, *Kochia tricophylla*; the foliage being a rich dark green and finely pinnated.

Plants which are cultivated in the open garden may be potted in the fall and cared for indoors to great advantage; while the branches may be cut and used for decorative purposes, keeping well for quite a long time. Pkt., 15c.

AQUILEGIA (Columbine)

H. P., 2 to 3 ft. Well-known and favorite plants for the garden border; especially suitable for shady places. Are easily grown, soon form large clumps, and bloom from May until August. Our list has been greatly extended and now includes many beautiful long-spurred hybrids; also the fine Rocky Mountain Columbine and its hybrids. All Aquilegias are desirable for herbaceous borders. They require moist soil.

- 2136 **Canadensis**. Scarlet and yellow; native..... 5
- 2102 **Chrysantha**. Long-spurred, yellow, single..... 10
- 2107 **Chrysantha**. Double, yellow, gold-spurred..... 10
- 2112 **Coerulea** (Rocky Mountain Columbine). Sepals deep blue, petals white..... 10
- 2123 **Coerulea Candidissima**. A large, fine form of above with white flowers..... 25
- 2138 **Coerulea Hybrida**. These hybrids bear large, beautiful flowers in various colors..... 10
- 2133 **Double Blue**..... 5
- 2135 **Double Rose**..... 5
- 2134 **Double White**..... 5
- 2137 **Double Red**..... 5
- 2126 **Double Mixed**.....¼ oz., 15c.. 5
- 2127 **Grandiflora alba**. Half dwarf, white; long-spurred. 5
- 2124 **Nivea grandiflora**. Large, white..... 5
- 2125 **Vulgaris**. Single, mixed.....¼ oz., 10c.. 5

Ornamental Asparagus

2162 **Plumosa Nanus** (Lace Fern). One of the most popular house plants; easily grown from seed. Graceful, spreading sprays of feathery-like, upright leaves. Pkt., 15c.

2161 **Sprengerii** (Emerald Feather). Of trailing habit, suitable for pots and hanging baskets. Dark-green foliage, white flowers followed by red berries. Pkt., 10c.

ASTERS

It is unnecessary to dwell on the great beauty of these popular favorites, as they are appreciated by every one. Asters are annuals, and they are sufficiently hardy to endure a little frost without injury.

We recommend sowing seed of a number of varieties, as by this method of culture the blooming season can be made to extend from June until late in the autumn.

For best results Asters should have good rich soil and plenty of moisture. The seed may be sown indoors early and plants set out in May, yet seeds sown in the open ground produce excellent results. The location of the bed should be changed every year. As the roots are produced near the surface, a mulch of some kind spread over them in hot weather is very beneficial. Any extra care is repaid by finer plants, larger blooms, stronger stems, and more profuse blooming.

Selected Named Asters

For several years we have been making trials at our nursery of the many classes and strains of Asters now in cultivation. We believe the list which follows contains the most desirable sorts now in cultivation. The seed we send out was grown by experienced specialists, both American and European.

- 2382 **CACTUS.** This Aster is very distinct. The petals of the carmine flowers are bent or twisted near the tip. The cut flowers are not only pleasing but lasting.....Pkt. 25
- 2213 **CARDINAL.** In growth resembling the Branching Aster, but a little more dwarf; in color a beautiful shade of cardinal. Commences to bloom in August, retaining the beautiful color for many weeks 10
- 2242 **CRIMSON GIANT.** A splendid upright-growing sort, producing very large, well-formed, dark-crimson flowers. Its brilliancy of color and erect habit makes it desirable for garden culture..... 10
- 2244 **DAYBREAK.** The flowers are round as a ball, very large and full, on long stems; the color a lovely sea-shell pink..... 10
- 2292 **ENCHANTRESS.** Color, soft delicate pink that does not fade. The plants are tall and strong; the flowers are large, made up of broad petals loosely arranged 25



ASTER, HERCULES Pkt.

- 2383 **HERCULES.** The plants throw up strong stems 15 to 20 inches high, which branch about 4 inches from the ground, bearing at their summit many central flowers, while on the side shoots appear four to six secondary blooms. The flowers are of the purest white, with very long petals, and attain the enormous diameter of 6 to 7 inches..... 20
- 2238 **LAVENDER GEM.** An early branching sort of the Comet type, with large, double, wavy petaled flowers of an exquisite shade of lavender so much admired 10
- 2227 **LEMON DROP.** A decided yellow, and as good a grower as any of the other varieties of the Daybreak class. The flowers are not quite so large as those of Purity, its parent, but are more perfect and symmetrical in form..... 15
- 2339 **MAUVE QUEEN.** An Aster of the Comet type. Very large flowers of mauve color. They are similar in form to Hercules, illustrated above. 10
- MIKADO.** A grand midsummer Aster. The outer petals show to their full extent, while toward the center they curl across each other, making a large, full, fluffy flower.
- 2232 **Pink.** 2237 **White.** Each..... 15
- 2243 **PURITY.** Similar in form and habit of growth to Daybreak. Double pure white flowers..... 10
- 2240 **ROSY MORN.** Large, well-formed flowers of a handsome shade of rose. Very double; one of the best of the Daybreak group..... 10
- 2220 **ROYAL PURPLE.** Large flowers with full centers and of a rich shade of royal purple. Plants of branching habit and medium to late flowering 10
- 2241 **ROYAL STRIPE.** Of Giant Comet type. Large flowers on long stems. A broad band of violet blue runs the entire length of each petal.... 10
- 2239 **SALMON KING.** Color is novel and pleasing shade, bright enough to be conspicuous..... 15
- 2221 **SNOWDRIFT.** One of the earliest, with immense perfectly double snow-white flowers..... 10
- 2249 **ROSE KING.** Color, a bright, deep rose. It differs only in color from the now well-known Violet King..... 10
- 2226 **VIOLET KING.** The long, narrow flower petals are folded lengthwise and have a quilled appearance. The bloom is round, full and very large, measuring from 4 to 5 inches in diameter. The color is a soft violet-lilac..... 10

Asters continued on following page.



ASTER, CRIMSON GIANT

ASTERS—Selected, Standard Varieties

CARLSON, or Invincible A superior type or branching Aster with long-stemmed, peony-formed flowers of handsome form, large size, and fine substance. Wonderfully prolific, free from disease; in bloom from summer until frost. Our seed is from the originator, and has no superior in quality.

- | | |
|--------------------|---------------------|
| 2344 White | 2362 Violet Blue |
| 2350 Light Pink | 2351 Lavender |
| 2352 Daybreak Pink | 2363 Mixed |
| 2349 Rose Pink | Each, per pkt., 10c |

COMET A beautiful and distinct class with long curled and twisted petals gracefully formed in loose yet densely double globes. 18 inches.

- | | |
|------------------------|------------------------------|
| 2265 Dark Blue | 2263 Deep Rose |
| 2260 Light Pink | 2262 Pink and White |
| 2195 Empress Frederick | Pure white, fine. Pkt., 10c. |
| 2273 Lavender | 2278 Comet, mixed |
| 2264 Light Blue | Each, per pkt., 5c |

Giant Comet The flowers are very large, with strong broad petals. Height, 2 feet.

- | | |
|------------------------|--|
| 2255 Carmine | 2272 White, striped pink |
| 2268 White and Rose | 2266 Giant, mixed |
| 2267 Snow White | Each, per pkt., 10c |
| 2378 Triumph of Paris. | Outer petals pure white, center yellow. Pkt., 10c. |



ASTER, CREGO

CREGO The form of the flower is similar to that of the Comet class, but much larger. They are fluffy and graceful. In bloom from mid August until fall. This Aster is a universal favorite both with florists and private gardeners. Each, per pkt., 10c.

- | | |
|-----------------|----------------|
| 2372 Light Pink | 2371 White |
| 2375 Mixed | 2374 Dark Pink |
| | 2373 Purple |

HOHENZOLLERN An early fall Aster with enormous flowers. The plants grow 2 feet tall or more and branch freely. The flowers are so large and have such long, twisted petals that they are sometimes mistaken for Chrysanthemums.

- | | |
|-----------------|---------------------|
| 2386 Light Pink | 2388 Dark Blue |
| 2384 Light Blue | 2389 White |
| 2385 Rose | 2390 Mixed |
| 2387 Lavender | Each, per pkt., 10c |

Mixtures of Asters

Made of the best varieties suitable for cut flower purposes, principally of white, pink, and the brightest red, together with a small proportion of blue and purple.

- | | |
|---|--------|
| 2376 Asters, tall varieties mixed..... | Pkt. 5 |
| 2377 Asters, dwarf varieties mixed..... | " 5 |

Queen of the Market

Excepting Snowdrift, this is earlier than other Asters, and therefore a favorite. Beautiful flowers of large size and fine appearance, borne on stiff stems. Each, per pkt., 5c.

- | | | |
|-------------------------------------|-----------------|-----------------|
| 2364 White | 2367 Purple | 2369 Lavender |
| 2365 Pink | 2368a Dark Blue | 2368 Light Blue |
| 2366 Crimson | | |
| 2370 Mixed Queen of the Market..... | ¼ oz., 25 | |

Semple's Late-Flowering Branching

The form of the flowers, which are borne upon long stems, places this class of Asters as among the very best late-blooming varieties. Height, 2 feet. Each, per pkt., 5c.

- | | |
|--------------------|---------------------|
| 2307 White | 2314 Crimson |
| 2308 Light Pink | 2319 Purple |
| 2309 Lavender | 2320 Rose |
| 2326 Mixed, ¼ oz.. | 30c 2325 Light Blue |

Peony-Flowered Perfection

Flowers are in-curved like those of a Peony, and are handsome in form. August and September. Each pkt., 10c.

- | | |
|--|----------------|
| 2196 Pure White | 2200 Dark Blue |
| 2197 Rose | 2201 Crimson |
| 2198 Blood Red | 2202 Sky Blue |
| 2199 Light Blue | 2203 Mixed |
| 2206 Imported Collection, six distinct colors..... | 25c |

Vick's Branching They bloom in August and September. The flowers are of extraordinary size,—much larger than other varieties,—and stand erect on long, graceful stems, well above the foliage; flower stems 15 to 20 inches long.

- | | |
|--------------|---------------------|
| 2207 White | 2212 Rose |
| 2208 Pink | 2210 Lavender |
| 2209 Purple | 2214 Mixed Colors |
| 2211 Crimson | Each, per pkt., 10c |

Improved Victoria A magnificent class of Asters, having large, double, globe-shaped flowers 4 inches across and from 20 to 30 on a single plant. The colors are both delicate and handsome. Height, 18 to 24 inches. Each, per pkt., 10c.

- | | |
|--|--------------------|
| 2172 White | 2185 Lavender |
| 2173 Rose | 2190 Crimson |
| 2174 Carmine | 2191 Apple Blossom |
| 2179 Light Blue | 2192 Mixed |
| 2180 Dark Blue | |
| 2193 Imported Collection, six distinct colors..... | 25c |

Other Varieties of Asters

- | | | |
|--|--|----------------------------|
| 2380 TALL CHRYSANTHEMUM. | Mixed..... | 5 |
| 2298 DWARF BOUQUET. | For edging. Mixed..... | 5 |
| DWARF QUEEN. For pots and beds. Height, 10 inches. | | |
| 2279 White, | 2280 Crimson, | 2285 Mixed. Each, pkt., 5c |
| 2194 JAPAN. | Flesh-colored needle-like florets..... | 5 |
| SINGLE JAPANESE. Splendid cut flower. The yellow disk is encircled with long, ray-like petals, either white or delicate rose. 2396 White. 2397 Rose. Each, pkt., 15c. | | |
| OSTRICH FEATHER. A very beautiful and distinct class with long curled and twisted petals formed into large globe-shaped flowers. 2328 Pink. 2333 White. 2334 Mixed. Each, per pkt., 10c. | | |

SMITH'S PEERLESS. Habit of growth similar to the Branching Aster. The stems are long and wiry, flowers of large size, heavily petaled. A grand cut-flower sort.

- | | | |
|-------------|------------|-----------------|
| 2290 White. | 2291 Pink. | Each, pkt., 25c |
|-------------|------------|-----------------|

SNOWBALL, or White Princess. Flower bears a resemblance to a miniature Dahlia. 2300 White. Pkt., 10c.

2327 **SUNLIGHT.** "The nearest approach to a yellow Aster." Height about 18 inches. Pkt., 10c.

2301 **TRIUMPH.** A very beautiful dwarf scarlet Aster. A companion for Snowball. Pkt., 10c.

2391 **HARDY PERENNIAL ASTERS.** All colors mixed. Pkt., 15c.

2167 AUSTRALIAN STAR FLOWER. H. A. 1 ft. Ever-lasting. The fragrant flowers are pink in color, sometimes varying to nearly white. The cut flowers retain their form and color permanently.... 10

BACHELOR'S BUTTON. (See Centaurea.)

2404 BALLOON VINE, T. A. 10 ft. A rapid-growing annual climber, with white flowers and inflated seed pods which look like small balloons. Succeeds best in warm soil..... 5

BALSAM APPLE AND PEAR

Ornamental climbers, with pretty foliage and flowers, followed by handsome fruit, which, when ripe, bursts open, exposing the bright red seeds within. 10 ft. H. A.

3337 Balsamina. Balsam Apple..... 5
3338 Charantia. Balsam Pear..... 5



BALSAM, "ALBA PERFECTA"

BALSAM (Lady Slipper)

H. H. A. 2 ft. Balsams love rich soil, hot sun, and plenty of water. Sow the seed in window boxes or hotbeds early, or in the open air in May, and transplant when two or three inches in height. Stimulate by weekly applications of manure water.

Double Camelia-Flowered Balsams

The delicate flowers of waxy texture are borne along the stems among the leaves. The seed we offer can not be excelled for quality. We offer only the finest double sorts, in separate colors or mixed. Pkt., 5c.

- 2410 Scarlet. 2415 Crimson. 2426 Yellow. 2427 White.
- 2428 Solferino, white, with scarlet spots and stripes.
- 2429 Mixed. 2425 Pink.
- 2430 Alba Perfecta. Extremely large white flowers.
- 2431 Carnation Striped. White, striped with purple or scarlet, like a Carnation. Very showy..... 5
- 2432 Double Balsam, Mixed. A very good strain..... 5
- 2433 Double Balsam. Rose flowered, mixed..... 5

2405 BARTONIA aurea. H. H. 18 inches. Flowers bright golden yellow, of metallic luster; seed pods curiously twisted. Adapted for partial shade and moist locations 5

RUNNER BEAN. Climber. H. A. 8 ft.

2493 Butterfly Bean. Will grow in any soil. In bloom from July to September. The flowers are distinguished by pure white wings and scarlet standard. 5

3860 Scarlet Runner. An exceedingly rapid grower. Its strong vines are always clothed with deep scarlet flowers from early summer until fall..... 5

BEGONIAS, Tuberous Rooted

Of great value for summer decorating or window gardening, blooming the first season from seed, if sown in January or March in a temperature of 60 degrees. To secure the best results they should be planted in a partially shaded place.

- 2434 Single Tuberous Begonias..... 25
- 2439 Double Tuberous Begonias..... 25
- 2460 Frilled Tuberous Begonias..... 25



BEGONIA GRACILIS, PRIMA DONNA

EVER-BLOOMING BEDDING BEGONIAS

The following varieties make splendid bedding plants. Start the seed early, in the house, and set out the plants in June. They are of sturdy growth, about a foot high. Desirable for pot plants in the window in winter.

- 2444 Semperflorens alba. White..... 10
- 2461 Erfordia. Delicate rose..... 10
- 2445 Gracilis Luminosa. Satiny bronzy foliage. Bright scarlet flowers..... 25
- 2446 Rex. Ornamental leaved..... 10
- 2447 Prima Donna. Rose-colored flowers. A fine pot plant (see cut)..... 20
- 2448 Vernon. Orange-scarlet flowers; leaves dark green.. 10
- 2449 Dwarf Vernon. Fine bedder..... 15
- 2455 Mignon. Dwarf; scarlet flowers, green foliage.... 25

BELLIS PERENNIS fl. pl. (English Daisy)

H. P. 4 inches. Will stand the winter if given the protection of a few leaves or litter; in bloom from early spring until well on in the summer. Easily raised from seed; usually sown in July or August, but can be sown in spring, and for best results should be sown each year.

- 2806 Longfellow. Double pink..... 5
- 2809 Snowball. Double white..... 5
- 2810 Double Mixed. All colors..... 5
- 2811 Giant White..... 10 2812 Giant Mixed..... 10

BELLIS MONSTROSA

Each plant produces 12 to 15 flowers that measure two or three inches across, carried on long strong stems.

- 2807 Monstrosa. Pink..... 15
- 2808 Monstrosa. White..... 15



DOUBLE CANTERBURY BELLS

- 2479 **BRACHYCOME iberidifolia.** Dwarf annuals which bloom nearly all summer. Suitable for baskets and edgings. Mixed colors.. 5
- BROWALLIA.** L. A. Excellent for bedding, Verbena-like flowers. In bloom all summer in the open, also excellent house plants for winter use. 18 inches.
- 2478 **Finest Mixed.**..... 5
- 2473 **Speciosa major.** Indigo blue..... 10
- BOLTONIA.** H. P. 6 ft. Fall plants for the hardy border. Large flower heads like single Asters. 10
- 2467 **Asteroides.** Flesh color..... 10
- 2468 **Latisquama.** White flowers in Sept. and Oct. 10
- 2494 **CACALIA coccinea** (Tassel Flower). H. A. 18 inches. Showy trusses of bright scarlet tassel-like flowers, blooming profusely from July to October..... 5
- 2499 **CALANDRINIA speciosa.** H. A. Very pretty dwarf-growing plants, with portulacalike flowers, thriving best in a light, dry soil. Seed should be sown in gentle heat about March or in the open about the middle of May..... 5

CALCEOLARIA (Pocket Flower)

Plants suitable for greenhouse and window culture. Bear large pocket-shaped flowers in spring and summer. Colors: Yellow, maroon, crimson, etc. G. P.

- 2504 **Large Flowering.** Height, 18 inches..... 25
- 2505 **Nana.** Dwarf, 12 inches..... 25

CALENDULA (Pot Marigold)

H. A. 2 ft. Calendulas bloom all summer and thrive anywhere, especially in city gardens. The graceful star-shaped flowers exhibit every shade of yellow from ivory to deep orange. Well adapted for cutting, being borne upon long stems.

- 2507 **Meteor.** Large yellow flowers, striped with orange. Handsome..... 5
- 2508 **Prince of Orange.** Like "Meteor," but much darker in color..... 5
- 2509 **Mixed.** All the double sorts..... 5

CALLIOPSIS or Coreopsis

Showy, beautiful, free-blooming plants, producing large bright flowers of rich and charming colors throughout the entire summer. Mainly hardy annuals. 1 to 2 feet.

- 2538 **Coreopsis.** Best mixed..... Oz., 15.. 5
- 2526 **Drummondii.** Flowers large, rich golden yellow with crimson-brown center..... 5
- 2527 **Lanceolata.** Hardy perennial. Blooms June to autumn. Rich golden yellow; fine for cutting..... 5
- 2541 **CANARY BIRD VINE.** H. A. Grows to a height of 15 feet. Has beautiful foliage and yellow flowers..... 5

CAMPANULA (Bell Flower)

One of the best hardy perennials. The tall varieties are splendid for cutting, while the dwarf sorts are useful in borders.

- 2584 **Persicifolia alba.** White, 2 ft..... 10
- 2589 **Persicifolia coerulea.** Blue, 2 ft..... 10
- 2574 **Pyramidalis** (Chimney Bellflower). 6 ft. Blooms in late summer; tall, erect stems, beautiful blue flowers..... 5
- 2579 **Pyramidalis alba.** White, 6 ft..... 5

CANTERBURY BELLS (Campanula Medium)

These will bloom the first year from seed if sown early.

SINGLE		Pkt.	DOUBLE		Pkt.
2544	Blue, fine shade.....	5	2555	Blue, fine shade.....	5
2545	White, pure.....	5	2560	White, pure.....	5
2549	Rosea. Rose pink.....	5	2561	Rosea. Rose pink.....	5
2550	Single mixed.....	5	2562	Double mixed.....	5

"CUP AND SAUCER" CANTERBURY BELLS

The flowers differ from the ordinary type in having an extra large calyx of the same color of the flower, giving the appearance of a cup and saucer. In bloom for weeks during early summer.

- 2567 **Calycanthema, blue.**..... 5' 2569 **—, Rose**..... 5
- 2568 **—, White.**..... 5 2570 **—, Mixed**..... 5

CANDYTUFT

A dwarf annual of easiest culture; free-blooming, showy, and useful for beds, borders, and edgings. Sow seeds where plants are to bloom, in rows 6 or 8 inches apart, thinning out to afford plenty of room, as they branch quite freely. Height, 1 foot.

- 2510 **Carmine.** Glowing carmine rose..... 5
- 2511 **Crimson.** Rich, dark crimson..... 5
- 2512 **White Rocket.** Long white flower spikes..... 5
- 2513 **Empress.** White, large flowers..... 5
- 2514 **Purple.** A beautiful shade of lilac..... 5
- 2515 **Queen of Italy.** Dwarf; erect, pink..... 10
- 2516 **Little Prince.** Large heads; pure white..... 5
- 2517 **Gibaltarica.** Blush white, H. P..... 10
- 2518 **Hyacinth-Flowered.** White, 2 ft..... 5
- 2522 **White Tom Thumb.** Grows 6 inches high..... 5
- 2523 **Annual Sorts of Candytuft, mixed.**..... ounce, 25c. 5
- 2524 **Sempervirens.** Survives winter out-of-doors. Its fine white flowers are produced early in spring. H. P..... 10

CANNAS (Indian Shot)

These very attractive summer bedding plants can be grown readily from seed. The seed is extremely hard and should be soaked in warm water until swollen. Sow singly in small pots of sandy soil and set in a warm place, preferably a hotbed or sunny window. Set out in June where they are to flower.

- 2542 **Large-Flowering French.** All colors and shades..... 5
- 2543 **Cannas, mixed.**..... 5



GIANT HYACINTH-FLOWERED CANDYTUFT

MARGARET CARNATIONS

Although half-hardy perennials, they begin flowering in a few weeks from time of sowing. They are especially adapted for outdoor culture. Large, beautifully fringed, fragrant flowers, white, crimson, striped, etc.

- 2611 Margaret, mixed. Pkt., 5c. 2609 Scarlet, 5c. 2610 Pink, 5c.
- 2604 Margaret, White. Fine double flowers..... 5
- 2612 Giant Margaret. Immense double flowers..... 10
- 2618 Barnard's Carnation Mixture. Contains seeds of all Carnations which bloom the first season after sowing..... 10

PERPETUAL CARNATIONS

These bloom from seed the second year after sowing, and produce their large, handsome flowers indefinitely. Height, 1 to 2 feet.

- 2613 Chabaud's Giant Perpetual. Colors the same as Margaret. Blooms in five months after sowing..... 15
- 2614 Guillaud. Yellow, and yellow-striped flowers..... 15

BORDER CARNATIONS. Fine for cut flowers.

- 2615 Red Grenadine. 2616 White..... 10
- 2617 Early Dwarf Vienna. Double white..... 5
- 2623 Fine Double Mixed. Very choice..... 10
- 2167 CEPHALIPTERUM Drummondii (Australian Star Flower). H. A. 1 ft. Graceful, free-flowering, petunia-like flowers, scarlet and white; everlasting..... 10



MARGARET CARNATION

CELOSIA CRISTATA (Cockscomb)

H. H. A. 1 foot. Of easy culture. Thrive in light soil. Fine border plants, in bloom from midsummer until frost. When grown as large specimens they are of unrivalled beauty. For filling flower beds and borders these plants are now largely used during summer in city parks.

- 2652 All-a-Glow. Dwarf; with immense ruffled combs.. 10
- 2651 Pres. Thiers. Dark Leaves, crimson combs..... 10
- 2657 Glasgow Prize. Very large crimson combs..... 10
- 2634 Tall Cockscomb, mixed..... 5
- 2635 Dwarf Cockscomb, mixed..... 5

CENTAUREA Hardy annuals, known under various popular names. The class includes Cornflowers, Sweet Sultans, etc. The cut flowers are favorites with every one, always meeting with ready sale.

CORNFLOWER (Centaurea Cyanus)

One of the most popular of our garden annuals, blooming continually all Summer. Seed may be sown either in spring or autumn. Thrives well in poor soil; for best results plants should be thinned out to 8 inches apart.

- 2671 Cyanus. Finest mixed, 2 ft..... 5
- 2666 Cyanus. Double, mixed..... 5
- 2663 Double Blue. Fine..... 10
- 2672 Emperor William. Dark blue, 18 inches..... 5
- 2673 Victoria. Azure blue. 9 inches. Fine for pots.. 5

SWEET SULTAN (C. Imperialis)

Very showy, fragrant flowers; excellent for cutting.

- 2682 Imperialis, mixed colors..... 5
- 2680 White, 5c. 2681 Lavender, 5c. 2696 Rosea..... 15
- 2679 Suaveolens. Bright yellow; sweet scented..... 5
- 2662 Odorata. Purple, fragrant flowers..... 5
- 2664 Chameleon. Yellow and rose, superb..... 5
- 2665 Margaritae. Very large flowers of purest white, borne on long stems. A grand cut flower..... 5
- 2674 Americana. A native variety. Bears fluffy, thistle-like blooms of purplish color. A fine border plant. In bloom from June to September..... 5
- 2695 Macrocephala. This is a perennial sort. Height, 3 ft. Flowers bright yellow, large, and showy. Thrives best in sandy soil..... 10

SILVER-LEAVED CENTAUREAS OR "DUSTY MILLERS"

- These are planted for bedding or borders, not for flowers.
- 2683 Candidissima. Silver gray foliage, 1½ feet..... 15
- 2693 Gymnocarpa. Leaves silvery white. 1 foot..... 5



CELOSIA, "CASTLE GOULD"

CELOSIA PLUMOSA (Plumed Cockscomb)

Branching plants 3½ feet high, bearing large, conical, plumed heads of either golden yellow, fiery scarlet, purple, salmon, blood-red, etc. Good for cut flowers. Annuals, growing easily and quickly from seed.

- 2633 Pride of Castle Gould. This forms pyramidal, branching plants, bearing large, conical, plumed heads in various colors. Mixed..... 25
- 2655 Triumph. Bronzy foliage, crimson plumes. We have an improved strain that is desirable to sow for pot plants..... 5
- 2653 Ostrich Feather. Grows in pyramid form. Its flower sprays resemble plumes. They are orange and scarlet in color. Mixed..... 5
- 2656 Thompsoni Magnifica. An exceptionally fine strain both for bedding and cut flowers. The colors vary, running from light tellow to dark blood-red.... 10
- 2641 Ostrich Feather. Yellow..... 5
- 2646 Ostrich Feather. Crimson..... 5

CHRYSANTHEMUMS

A beautiful family of plants of varied character. Annuals and Perennials. The flowers of all are greatly prized for cutting.

The Annual varieties bloom profusely from early summer until frost, and their bright colors make a fine display. A little pinching back while plants are young will result in bushy and stocky growth up to 12 to 18 inches in height. Do not confound these Annual Sorts with the great globular flowers of the Japanese varieties with quilled and twisted petals.

- 2704 **Single Early-flowering Hybrids.** Flowers in many shades. produced very copiously..... 13
- 2697 **Single, Mixed.** H. A..... 5
- 2698 **Double, Mixed.** H. A. There is a wide range in the colors —from nearly white to rich deep orange..... 5
- 2700 **Frutescens (Marguerite, or Paris Daisy).** G. P. Long-stemmed single white flowers with golden centers; fine for cutting 5
- 2702 **Inodorum (Bridal Robe).** H. P. Pure white, extra double, compact, fine foliage; splendid for cutting..... 10
- 2703 **Leucanthemum (Spring Marguerite)**..... 5
- 2701 **Maximum Perfection.** Snow-white flowers with yellow centers 5
- 2813 **Shasta.** Of bushy growth, bearing all summer a profusion of immense white flowers on long stems. Seed saved by Mr. Burbank from named flowers..... 15
- 2814 **Shasta.** As ordinarily sold; good strain..... 10
- 2699 **Japonicum Fl. Pl.** This is the seed which produces the large, beautiful flowers with quilled and twisted petals, as sold by florists in fall..... 15



CINERARIA MATADOR

COBÆA scandens. H. P. Rapid growing climber with vigorous vines and foliage, and handsome, bell-shaped flowers.

- 2717 **Purple**..... 5 2718 **White**..... 5
- COLEUS.** H. H. P. 1 foot. Foliage plants. Easy to raise from seed. Sow indoors in March.
- 2719 **Choice Mixed**..10 2720 **Variegated Hybrids**... 25

CONVOLVULUS (Morning Glory)

- 2755 **Major (Tall Growing Morning Glory).** Thrives anywhere. Showy flowers in a variety of colors. Sow where plants are to bloom. Mixed. Oz., 10c..... 5
- 2765 **Minor.** Dwarf growing; desirable for bedding as the flowers remain open nearly all day. Mixed. Oz., 15c..... 5
- 2754 **Imperialis Japonica.** The flowers are of great size, some of them beautifully fringed, and of lovely varied colors. Mixed.Oz., 15c.. 5
- 2753 **Imperialis fimbriata.** Fringed. Mixed..... 5



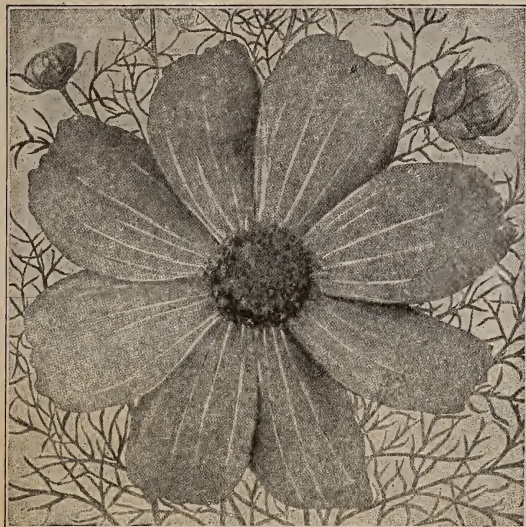
BURBANK'S SHASTA DAISY

CINERARIA G. P. Beautiful plants for decoration of window garden or conservatory in spring. Readily and easily grown from seed. Sow in July in boxes and transplant into small pots, changing them into larger size when required. See cut in next column.

- 2705 **Grandiflora.** A prize strain which brings flowers of various combinations, red and white, blue and white, etc. Mixed..... 25
- 2706 **Nana.** Of dwarf, compact habit..... 25
- 2707 **Maritima.** Desirable for edgings; silvery foliage.. 5
- 2708 **Stellata (Star Cineraria).** Tall growing. Flowers are same colors as ordinary Cinerarias. Fine decorative plant and good for cutting..... 15
- 2709 **Radiata.** Miniature sort, growing about 8 inches high with large heads of tiny flowers in various colors. Mixed..... 15
- CLARKIA.** H. A. 18 inches. A bed of Clarkias will prove a joy all summer. Colors range from white to purple..... 5
- 2712 **Single Mixed**..... 5 2713 **Double Mixed**..... 5
- CLEMATIS (Virgin's Bower).** H. P. Well-known climbers. One of the best plants in existence for verandas and trellises; also suitable where drooping plants are required. For three-year-old plants see page 74..... 10
- 2715 **Large-Flowering.** Hybrids of Jackmani and others in mixture..... 25
- 2716 **CLIANTHUS Dampieri (Glory Pea).** G. A. Pea-shaped scarlet flowers. Soak seeds in hot water before sowing 10



JAPANESE MORNING GLORY



COSMOS, LADY LENOX

COSMOS H. H. A., 4 to 6 ft. One of the most beautiful and useful autumn-flowering plants. Cosmos is most effective when planted in broad masses or along background borders against evergreens or fences. The plants have strong stems and delicate feathery foliage. The pretty flowers, produced from September until fall are of shades of rose, red, and also pure white. Excellent for cutting. Seed sown outside in May will flower by September. When the seedlings are about one foot high, pinch out the center shoot. This will not only hasten the bloom, but make bushy plants.

Early Flowering Cosmos

From seed started early in frames, and afterwards transplanted into light sandy soil, the plants will be 3 or 4 feet high by July, tossing into the air a perfect cloud of bright-colored, daisy-like flowers, unequalled for their brilliancy of colors. Each, per pkt., 5c.

- 2721 **Early Pink.** 2722 **Early White.**
- 2723 **Early Flowering Cosmos,** mixed.
- 2724 **Tints of Dawn.** White ground flushed with rose.

Giant-Flowered Cosmos

These do not usually bloom until October. The flowers measure from 4 to 5 inches across, and are perfect in form. Each, per pkt., 5c.

- 2740 **Giant Red** 2742 **Giant Pink**
- 2741 **Giant White** 2743 **Giant Mixed**
- 2732 **Giant Orange** (Klondyke). Very fine.
- 2735 **Lady Lenox.** Admired everywhere. Size of flower, 5 to 6 inches in diameter. Color, a beautiful shell pink. The cut flowers are borne upon very long stems, and last a long time in water.
- 2733 **Maguerite.** Petals deeply and irregularly fringed.



DAHLIA, CACTUS-FLOWERED

CYPRESS VINE. H. A. 15 ft. Rapid growing climber; fine for trellises. Star-like flowers and feathery foliage. Each, per pkt., 5c.

2796 **Red.** 2801 **White** 2802 **Mixed.**

DAHLIA These grand flowers of the autumn, if the seed is sown quite early in spring, will commence to bloom by midsummer. Dig the tubers in fall and keep in sahd in cellar. 3 to 5 ft. H. H. P.

- 2803 **Cactus-Flowered.** Double..... 10
- 2804 **Double, Large-Flowered.**..... 10
- 2805 **Single, Mixed,** from fine varieties..... 5

DATURA (Trumpet Flower)

- 2824 **Bushy, branching,** annual plants, 2 to 3 feet high. Suitable for backgrounds and shrubberies. Mixed..... 5
- 2829 **Cornucopia.** Three funnel-shaped flowers in one. White inside; outside margined with purple..... 5

CUCUMBER, WILD. See Echinocystis.

- 2790 **CUPHEA Platycentra** (Cigar Plant). A favorite pot and bedding plant. Flowers scarlet and black.. 15
- 2791 **CYPERUS** (Umbrella Plant). An aquatic plant readily grown from seed. The leaves radiate from the stem and expand in umbrella form..... 10



CYCLAMEN PERSICUM

CYCLAMEN Beautiful plants for pot culture in window or greenhouse. They can be had in bloom from seed in about one year. Sow seed in shallow boxes indoors at any time during spring or fall, and transplant into pots. Our strains of seed are unsurpassed.

Giant-Flowered Fancy Cyclamen

Named Sorts, each, per pkt., 25c.

- 2774a **Album Perfection,** pure white.
- 2774b **Crimson King,** dark crimson.
- 2774c **Magnificum,** white, carmine eye.
- 2780a **Marienthal,** rose. 2773 **Mixed.**
- 2780b **Salmonium,** salmon. 2780a **Mont Blanc,** white

Cyclamen in Mixed Colors

- 2774 **German-grown seed.**.....Pkt. 15
- 2775 **Orchid-flowered or Butterfly.**..... 25
- 2775a **English-grown seed.**..... 25
- 2780 **Special Florists' Strain.**..... 25

We invite special attention to our Summer Flowering **Bulbs, Begonias, Cannas, Dahlias, Gladioli, Hardy Lilies, and Tuberoses.**



DATURA CORNUCOPIA

DIMORPHOTHECA (Orange Daisy)

H. A. 12 to 15 inches. Just the thing for groups and borders. Early sown seed will produce plants to bloom all summer. Desirable for cut flowers. Easily grown; prefers a sunny location.

2931 *Aurantiaca*. Flowers glossy rich orange gold with dark center, surrounded by black zone. This is the parent variety..... 10

2932 *Aurantiaca hybrida*. Similar in habit to the parent. The flowers range in color from purest white through yellow and orange to rich salmon, being zoned with same color around the center. 15

DOLICHOS Lablab (Hyacinth Bean). 10 ft. Rapid growing climber with pretty foliage and bean-like flowers. Desirable for covering trellises and porches. Sow seed in a sunny spot in May.

2943 Purple and white.. 5 2945 Daylight, white.. 5

DRACÆNA or Club Palm. C. P. 2 ft. A popular plant for pots and vases.

2946 *Australis*. Leaves 2 to 4 inches broad..... 10

2948 *Indivisa*. Narrow, dark-green foliage..... 5

2949 *Lineata*. Rich and desirable..... 5

ECHEVERIA (Hen and Chickens). G. P. 4 inches.

The rosette-like plants are largely used in parks and cemeteries for carpet bedding. Seeds are very small.

2950 *Secunda*. Yellow flowers..... 20

2951 *ECHINOPS Ritro (Globe Thistle)*. H. P. 4 ft. Fine for bees. Peculiarly shaped steel blue flowers good for cutting..... 5

2952 **EDELWEISS**. H. P. 6 in.

An interesting Alpine plant with star-shaped woolly-leaved flowers. Requires a sunny location. 10

EVERLASTINGS

A group of annual plants whose flowers, cut when nearly at full bloom and dried in the shade, retain their form for years thereafter. They thrive in any sunny garden; need good soil.

2965 *Acroclinium*, mixed....Pkt. 5

2967 *Gomphrena*, 1 ft., red clover-like heads.

2968 *Helichrysum*, 2 ft., also called straw Flower.

2970 Silver Ball, white.

2971 *Helipterum*, yellow.

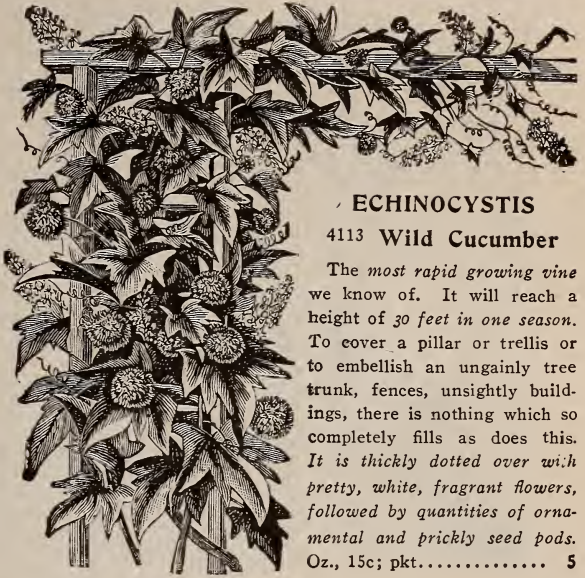
2973 *Rhodanthe*, 1 foot, mixed.

2974 *Xeranthemum*, 3 ft.

2975 Mixed Everlastings..... 5



GAILLARDIA—KELWAY'S HYBRID



ECHINOCYSTIS

4113 Wild Cucumber

The most rapid growing vine we know of. It will reach a height of 30 feet in one season. To cover a pillar or trellis or to embellish an ungainly tree trunk, fences, unsightly buildings, there is nothing which so completely fills as does this. It is thickly dotted over with pretty, white, fragrant flowers, followed by quantities of ornamental and prickly seed pods. Oz., 15c; pkt..... 5

ESCHSCHOLTZIA

H. A., 1 ft. Especially valuable for growing in flower beds and masses. Sow where plants are to bloom. Bright, showy flowers and feathery foliage. Good for cut flowers. The yellow varieties make a fine combination when placed with blue flowers—Larkspur, Corn Flowers—in a bouquet.

2955 *Dainty Queen*. Flowers of dainty coral pink which deepens toward the edges 10

2956 *Golden West*. Large yellow flowers..... 5

2958 *Mandrin*. Red-gold flowers; orange within; scarlet outside..... 5

2959 *Rose Cardinal*..... 5

2960 *Single*, mixed..... 5

2961 *Double*, mixed..... 5

2954 *Bush Eschscholtzia*. Buttercup yellow flowers from July until frost. Beautiful feathery foliage. Grows bushy, about 2 ft. high. 5

Eschscholtzias will do best in a poor soil, while Poppies delight in rich, garden loam.

FEVERFEW. See *Matricaria*.

DIMORPHOTHECA



GAILLARDIA (Blanket Flower)

H. A. and H. P. 2 ft. If started early, will bloom until frost. Excellent for borders, for bedding, and for cut flowers. Give them a light soil and a sunny location.

2998 *Picta Lorenziana*. Crimson and Orange. Double..... 5

2999 *Picta*, Single. Mixed colors..... ¼ oz., 10c .. 5

Following Are Hardy Perennials, and Should Be in Every Garden

3000 *Grandiflora Superba*. Large and showy flowers; constant bloomer. 5

3001 *New Hybrids*. These produce flowers of a combination of crimson and golden yellow colors all in one, and are strikingly beautiful. 10

3002 *Kelway's Hybrids*. Beautiful flowers of large size and great brilliance in color. Invaluable for decorations because they retain their beauty a long time after being gathered..... 25



GLOXINIA DEFIANCE

- GERANIUM, G. P.** 1 ft. They grow readily from seed and bloom the same season seed is sown.
- 3017 **Zonale.** Single mixed. Saved from the largest and finest flowers 5
- 3018 **Apple Scented.** This fragrant-leaved sort can be grown from seed only..... 10
- 3019 **GERBERA Jamesoni Hybrida.** G. P. These are harder than the parent stock, with orange-scarlet flowers and now includes beautiful colors ranging from pink to violet..... 25
- GILIA.** H. P. 1 ft. Early and continuous bloomers. Fine for beds, rockeries, and lawns.
- 3020 **Mixed** 5 3021 **Dwarf,** white..... 5
- 3026 **Coronopifolia.** H. H. B. Very brilliant scarlet flowers in great profusion..... 15
- 2967 **GLOBE AMARANTH (Gomphrena).** H. A. Red, clover-shaped flowers. Cut when in full bloom and dried, they retain their colors all winter..... 5
- 3044 **GLOXINIA.** G. P. 1 ft. Seeds sown under glass will give flowering plants in four or five months. The bell-shaped flowers embrace many handsome colors seen in no other class of plants. Mixed colors 15
- 3048 **Defiance.** Erect, scarlet flowers..... 20
- 3053 **GODETIA.** H. A. 1 ft. Suitable for beds, borders, and to grow in shady places. They grow rapidly and flower profusely from June until frost. Flowers of satiny texture and of delicate and lovely colors. Mixed..... ¼ oz., 10c.. 5

GOURDS, Ornamental

- A climber. Quick-growing vines; excellent for covering arbors, walls, and waste places. Gourds grow in very curious shapes, and are used for house ornaments.
- 3040 **Calabash or Pipe Gourd.**..... 15
- 3039 **Dipper.** Always useful..... 5
- 3028 **Dish Cloth.** Like a sponge..... 5
- 3027 **Nest Egg.** May be used as such..... 5
- 3037 **Sugar Trough.** For buckets..... 5
- 3041 **Gourds mixed.**..... ½ oz., 15c.. 5
- 3042 **Hercules' Club.** Sometimes grows 3 ft. long..... 5
- 3054 **GREVILLEA robusta (Silk Oak).** G. P. Fern-like foliage. A fine decorative house plant..... 5
- GYPSOPHILA (Baby's Breath).** H. A. 2 ft. Graceful plants with tiny flowers produced in abundance in loose panicles. Excellent for their delicate effect in bouquets.
- 3064 **Elegans alba.** Pure white tiny flowers..... 5
- 3059 **Muralis.** Bright rose..... 5
- 3069 **Elegans rosea.** Soft pink..... 5
- 3070 **Acutifolia.** Rose..... 5
- 3071 **Paniculata.** H. P. Pure white. Plants make fine clumps for garden use..... 5

- HELIOTROPE.** Greenhouse shrub. 2 ft. Excellent for bedding; very fragrant; fine for cutting.
- 3094 **Dark Sorts, mixed.** A fine strain..... 5
- 3095 **Mammoth Flowered.** This strain gives flowers almost twice the size of others. Colors from almost white to deep, dark purple..... 10
- 3096 **Heliotrope,** fine mixture of colors..... 5

HELIANTHUS (Sunflower)

- H. A. 3 to 6 ft. The state flower of Kansas. Of easiest culture. Suitable for backgrounds, screens, and to plant among shrubbery. In bloom from June until frost.
- 3077 **Multiflorus.** Forms a dwarf plant. Each branch carries double golden yellow flowers..... 5
- 3072 **Miniature.** Flowers single, bright orange..... 5
- 3082 **Mammoth Russian.** Grown chiefly for its seeds.. 5
- 3087 **Single and Double, mixed.**..... 5
- 3092 **Globosus Fistulosus.** 6 feet tall. Double saffron. 5
- 3093 **Double Chrysanthemum-Flowered.**..... 5
- HEUCHERA.** H. P. 1 ft. Very desirable for cut flowers. Tiny flowers of bell shape.
- 3097 **Cristata.** White flowers; crimped leaves..... 5
- 3099 **HIBISCUS, Crimson Eye.** H. P. 4 ft. Blooms from seed the first year. Large white flowers with crimson center..... 5

HOLLYHOCKS

- H. A. and H. B. 6 to 8 ft. Hollyhocks make a fine row in a garden, a fine background next to a building, or high wall or fence. The double varieties are the most desirable, but the newer, semi-double, fringed types are also very popular. Seed sown before midsummer will insure fine plants next season. Give deep, rich soil.
- 3100 **Single.** Annual sorts, mixed..... 5
- 3127 **Mammoth Allegheny.** Annuals with double and semi-double fringed flowers ranging in color from pure white to deep red. 5
- DOUBLE HOLLYHOCKS IN SEPARATE COLORS**
- | | | |
|--|-------------|--------------------|
| 3107 White | 3114 Pink | 3125 Mixed |
| 3108 Crimson | 3119 Yellow | Each, per pkt., 5c |
| 3109 Salmon | 3124 Maroon | |
| 3126 Chater's Prize Hollyhocks, mixed..... | | 10 |
| 3128 Kelway's Choice Mixed..... | | 25 |



CHATER'S HOLLYHOCK

HUMULUS

(Japanese Hop Plant)

H. A. climber. 12 ft. Grows very rapidly. Has dense leaves and is valuable for covering a trellis or porch.

- 3148 Japonicus 5
- 3149 Variegated leaved.... 5

HUNNEMANNIA

(Giant Tulip Poppy). H. P.

2954 Buttercup yellow flowers from July until frost. Beautiful feathery foliage. Grows bushy, about 2 ft. high.... 5

3166 ICE PLANT. H. A. Of drooping habit. Useful in baskets and vases. Has peculiar leaves covered with small watery postules 5

IMPATIENS Zanzibar Balsam

G. P. 1 foot. Valuable for pot culture as well as bedding. The delicate flowers are very pretty and constantly in bloom.

- 3155 Holstil. Vermillion.... 10
- 3160 Sultani. Bright rose.. 10
- 3161 Sultani Hybrida, mixed 10

IPOMOEA (Moon Flower)

Tall-growing annual climbers, related to the family of Morning Glories. As Moonflower plants have dense foliage, they are useful to cover trellis work, verandas, etc. Plant seeds out-of-doors when warm weather sets in. Soak them first.

- 3326 White Hybrid. Its large white flowers expand in the evening and remain open until the following day. 5
- 3323 Pink Hybrid..... 5
- 3325 Heavenly Blue. Blooms in the forenoon. Pure blue with a yellow throat..... 5
- 3324 Bona Nox (Good Night). Its large lilac flowers expand in the night..... 5
- 3336 Northern Light. Blooms early; pink..... 10
- 3168 JERUSALEM CHERRY. A favorite house plant. Dark-green leaves and red berries 5
- 3167 JOB'S TEARS. A. 2 ft. Broad, corn-like leaves and hard, shiny seeds...Oz., 10c..... 5
- 3169 KOCHIA Tricophila H. H. A. 2 to 3 ft. Makes a pyramidal-shaped cypress-like bush with feathery, light-green foliage, deepening until it becomes a lovely crimson hue about September. Excellent for hedges along garden walks..... 5
- 3170 KUDZU VINE (Jack and the Bean Stalk). An extremely fast-growing, hardy vine. Its large, bright-green leaves make dense shade. Bears rosy-purple pea-shaped flowers toward the end of August 1/8 oz. 15c.. 5



LARKSPUR, GIANT HYACINTH FLOWERED

Giant Hyacinth Flowered Larkspurs

2834. The plants grow 2 to 3 ft. high. The flowers very strongly resemble those of a Hyacinth, hence the name. Colors, white, flesh-tinted, lavender, and blue in mixture. Easy to cultivate, but seed should be sown where the plants are to bloom. Mixed colors. 1/4 oz., 15c; pkt., 5c.



LOBELIA SAPPHIRE

ANNUAL LARKSPUR

H. A. 1 to 6 ft. Handsome, feather-like foliage and long spikes of lovely flowers—white, pink, blue, and violet. Fine for cutting. In bloom July to October. Prefer cool, moist soil.

For perennial varieties see Delphinium.

- 2835 Branching, Sky Blue.. 5
- 2840 Branching, Dark Blue. 5
- 2851 Branching, Shell Pink. 5
- 2856 Branching, White..... 5
- 2845 Branching, Mixed..... 5
- 2850 Tall Rocket, mixed... 5
- 2857 Emperor, compact, mxd. 5

3171 LANTANA. G. P. 2 ft. Desirable plants for bedding or culture in pots. The handsome clusters of Verbena-like flowers constantly change in hue..... 5

LATHYRUS

(Hardy Sweet Pea)

Perennial climber, almost constantly in bloom; fine for cut flowers. Pkt.

- 3177 Albus, white..... 5
- 3179 Pink Beauty..... 5
- 3178 Red 5
- 3180 Mixed 5
- 3190 LAVENDULA. H. P. 3 ft. (Lavender). Fragrant flowers borne on long round spikes.... 5

3191 LINARIA cymballaria (Kenilworth Ivy). H.P. Lavender and purple. Of trailing habit, suitable for hanging baskets and vases..... 5

3192 Maroccana "Excelsior." The tiny flowers resemble miniature Snapdragons; showy in borders 5

- 3197 LINUM Rubrum. A. 2 ft. Scarlet Flax..... 5
- 3198 Perenne. White and blue... 5

LOBELIA

Lobelias require rich soil and plenty of water. Flowers should be kept back to allow flowering until frost.

The annual varieties, 4 to 6 inches, are extensively used for edgings, baskets, and urns. The perennial sorts are tall growing. Useful among shrubbery. Pkt.

- 3214 Emperor William. Light blue 5
- 3219 Crystal Palace Compacta. Deep blue. Splendid bedder 10
- 3220 Speciosa. Blue; trailing.... 5
- 3221 Alba. White..... 5
- 3222 Bedding Queen. Dwarf; purple with white eye..... 10
- 3223 Barnard's Perpetual. Ultramarine blue; white eye.... 10
- 3224 White Gem. Dwarf..... 5
- 3233 Lobelia. Mixed..... 5
- 3226 Prima Donna. Rich, velvety crimson; compact..... 5
- 3225 Queen Victoria. Perennial. Dark bronzy foliage; scarlet flowers..... 10
- 3228 Amanda. Lilac; new..... 20
- 3229 Cardinalis. Scarlet, 3 ft..... 15
- 3238 Sapphirae. Rich blue, white eye 20

- 3247 **LOPHOSPERMUM scandens.** T. A. 10 feet. Rapid climber with showy rose-colored globe-like flowers..... 10
- LUPINUS.** H. A. and H. P. 2 feet. Easily grown plants, useful for beds and borders. July and August. The Sweet Pea-like flowers are borne upon tall stems. Prefer a little shade.
- 3199 **Tall Annual Sorts, mixed.**.....Oz., 15c.. 5
- 3200 **Dwarf Annual Sorts, mixed.**.....Oz., 15c.. 5
- 3202 **True Blue.** Fine for cutting..... 5
- 3201 **Polyphyllus.** H. P. Violet blue..... 5
- 3212 **Perennial Lupins.** All colors mixed..... 5
- LYCHNIS.** H. P. 2 ft. Blooms first year from seed if sown early. Brilliantly colored flowers. 5
- 3244 **Chalcedonica (Maltese Cross).** Scarlet..... 5
- 3245 **Haagena.** Various colors in mixture..... 5
- 3246 **LYTHRUM roseum superbum.** H. P. 3 feet. Rose-colored flowers. July until fall..... 10

MARIGOLD (Tagetes)

H. H. A. 2 to 3 ft. Bloom continuously all summer. They succeed best in a light soil exposed to the sun. A fine garden plant. Cut flowers show to advantage in combination with those of blue shades—Corn Flowers, Delphiniums, etc.

DOUBLE AFRICAN VARIETIES

The African Marigolds produce very large flowers on tall stems. Plant them in borders or among shrubbery.

3248 **El Dorado.** Imbricated; all shades of yellow.. 5

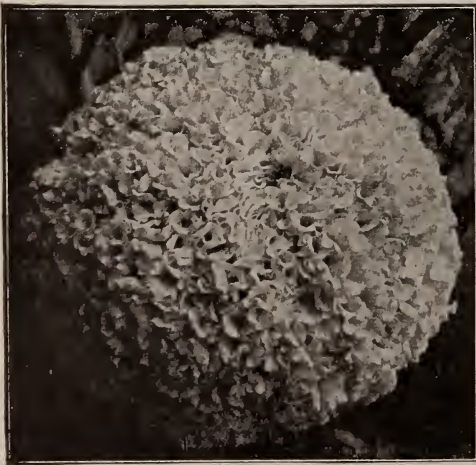
3249 **Lemon Queen.** Soft, lemon yellow flowers..... 5

3250 **African Double, Mixed.**..... 5

DWARF FRENCH VARIETIES

Fine for edging and bedding.

- 3251 **Legion of Honor.** Single, golden yellow, blotched, velvety crimson..... 5
- 3252 **Dwarf Gold Striped.** Very double. Chestnut brown, striped golden yellow..... 5
- 3253 **French Dwarf Double Mixed.**..... 5
- MARVEL OF PERU (Four O'Clock).** H. A. 2 ft. Showy fragrant flowers which open in the afternoon. Thrive anywhere; blooms entire season. Fine for beds and borders.
- 3257 **Longiflora alba.** Long white flowers..... 5
- 3255 Tall, mixed, oz. 10c.. 5 3256 Dwarf, mixed, oz. 15c.. 5
- 3262 **MATRICARIA capensis (Double Feverfew).** H. H. P. 18 in. Blooms first year from seed if sown early. A fine bedding or pot plant, bearing white flowers in profusion all summer. 5
- 3263 **MAURANDIA.** G. P. 10 ft. Climbers with slender vines and neat, pretty flowers. Bloom freely in the garden all summer. Especially adapted to hanging baskets and window boxes. Mixed 5
- 3264 **Barclayana, blue.** 3265 **White.** 3270 **Mixed.** Each 5



MARIGOLD, AFRICAN



MIGNONETTE MACHET

MIGNONETTE (Reseda Odorata)

- H. A. 12 to 18 inches. If successive sowings are made, its fragrant, modest-colored flowers may be gathered outdoors until November. Sow in pots or boxes under glass in February or March, and thin or pot off the seedlings to make good plants for bedding out in April. Sow outdoors in rows about April 1, and again regularly at intervals of about three weeks till August.
- 3281 **Allen's Defiance.** Grown under favorable conditions, this variety makes spikes a foot long, and the individual florets are not only very large, but delightfully fragrant as well. The cut flowers last well..... 5
- 3291 **New York Market.** An extra choice strain, recommended for culture under glass..... 20
- 3292 **Gabriele.** Red flowers; desirable in gardens..... 5
- 3293 **Golden Queen.** A distinct color; sweet..... 5
- 3294 **Victoria.** Bright-red flowers; dwarf..... 5
- 3295 **Bismarck.** Red; crinkly foliage, fragrant..... 10
- 3296 **Goliath.** Rich green foliage; giant trusses of red flowers on strong stems..... 15
- 3297 **Parson's White.** Large spikes; white flowers..... 5
- 3298 **Mignonette.** All kinds mixed.....Ounce 15c.. 5
- 3303 **Machet.** One of the best of the family. Of dwarf habit with very large red flowers and handsome foliage. 5
- 3304 **Golden Machet.** A distinct strain of the foregoing with golden yellow flowers..... 5
- 3306 **MIMOSA Pudica (Sensitive Plant).** H. H. A. 18 in. Its fern-like leaves are extremely irritable, closing and dropping when touched..... 5
- 3311 **MIMULUS Moschatus (Musk Plant).** H. H. A. 6 in. Useful for hanging baskets. Small yellow flowers.. 5
- 3312 **MIMULUS Tigrinus (Monkey Flower).** 1 ft. Large flowers of various shades of yellow, splashed and dotted with crimson and maroon..... 5
- 3339 **MUSA Ensete (Abyssinean Banana).** 6 ft. Foliage plant with dark-green leaves. Suitable for outdoor culture in summer. 10 seeds..... 20

MYOSOTIS (Forget-Me-Not)

- H. P. 6 inches. Dainty, elegant little plants with graceful flowers, mostly in shades of blue. Like Pansies and Daisies, they like cool, moist soils, and they will bloom most freely in fall and early spring.
- 2980 **Semperflorens.** In bloom all summer. Dark blue..... 5
- 2981 **Alpestris.** Blue; trailing habit..... $\frac{1}{8}$ oz. 15c.. 5
- 2986 **Robusta Grandiflora.** Grown extensively for cutting. Pyramidal habit. Flowers sky-blue, with yellow eye. 5
- 2982 **Victoria.** Sky-blue; dwarf; globular. Fine for pots.. 10
- 2983 **Dissitiflora.** Rich blue; very early bloomer..... 10
- 2985 **Palustris.** Blue with yellow eye. Large flowers..... 10
- 2993 **Forget-Me-Not.** Many varieties, mixed..... $\frac{1}{8}$ oz. 15c.. 5
- 2992 **Tom Thumb.** Pillar-shaped. Sky-blue flowers..... 20
- 2994 **New Zealand.** Of easy culture. Succeeds best in a shady situation. Flowers large, deep blue edged white. 25
- 2995 **Ruth Fisher.** Dark-green foliage, lovely blue flowers. 25
- 2996 **Star of Love.** Pretty blue flowers, dark leaves..... 25

NASTURTIUMS

No other annual will produce such a lavish profusion for so long a time with the same small outlay of time and labor. The maximum of bloom is produced in thin soils, and never flags through the hottest weather. In soils too rich, leaves predominate and the plants are apt to rot off in wet weather, especially if standing too close.

TALL OR CLIMBING NASTURTIUMS

Price (except when noted): Pkt., 5c; oz., 15c; postpaid.

- 3345 **Atropurpureum.** Crimson, velvety.
- 3346 **Chameleon.** Crimson, bronze, yellow. Oz., 20c.
- 3347 **Coccineum.** Bright orange scarlet.
- 3348 **Dunnett's Orange.** Bright orange, blotched.
- 3349 **Edward Otto.** Brownish lilac, velvety.
- 3350 **Heinmanni.** Pale brown or chocolate.
- 3351 **Hemisphericum.** Yellow and pink.
- 3352 **King Theodore.** Dark foliage; crimson.
- 3353 **Pearl.** Lemon, nearly white.
- 3359 **Regalinum.** Brownish red shaded with violet.
- 3360 **Scheuerianum.** Straw color, striped.
- 3361 **Schillingi.** Yellow, blotched maroon.
- 3362 **Sunlight.** Very large, rich golden yellow flowers.
- 3363 **Von Molke.** Ruby rose.
- 3365 **Tall Nasturtiums, Mixed.** Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00; including most of the above.
- 3366 **Hybrids of Md. Gunter.** These are climbing Nasturtiums distinguished by dark-colored foliage and for richness and variety of coloring of the flowers, including shades seen in no other class. Pkt., 5c; oz., 10c.



"SUNLIGHT" NASTURTIUM—Natural size flower

DWARF OR TOM THUMB NASTURTIUMS

Grand bedding plants. Their neat, compact growth—about one foot—richly colored flowers, free blooming and long lasting qualities, have made them general favorites. Nothing makes a finer show in the garden.

PRICE (except when noted): Pkt., 5c; oz., 15c; postpaid.

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> 3371 Aurora. Chrome yellow. 3372 Beauty. Scarlet, splashed with canary yellow. 3373 Chameleon. Beautifully splashed and variegated flowers upon the same plant. Oz., 20c. 3374 Cloth of Gold. Golden foliage. 3375 Coeruleum Roseum. Cherry red. 3376 Coral Palace Gem. Sulphur spotted maroon. | <ul style="list-style-type: none"> 3377 Empress of India. Blue-green foliage, flowers crimson. 3378 General Jacqueminot. Crimson. 3379 Golden King. Dark foliage, orange yellow flowers. 3384 King of Tom Thumb. Dark-green foliage, glowing scarlet flowers. 3385 King Theodore. Velvety crimson. 3395 Lady Bird. Orange yellow; brown blotch. | <ul style="list-style-type: none"> 3399 Pearl. Lemon or straw color. 3400 Prince Henry. Pale yellow spotted with scarlet. 3401 Ruby King. Light ruby red. 3402 Rose. Tinted salmon. 3403 Scarlet. A bright and vivid shade. 3404 Spotted. Orange, spotted with maroon. 3405 Yellow. Bright and clear. |
|--|---|---|

3410 **Dwarf Nasturtiums Mixed.** In this will be found varieties of both light and dark colored foliage. The seed is so cheap it should be planted largely. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., \$1.00, postpaid.

NASTURTIUM Lobbianum. Free blooming and of brilliant and richer colors. Foliage is darker and superior for indoor growing, also for baskets and window boxes. Pkt.

3420 **Lobb's Mixed.**.....Oz., 10c.. 5

NICOTIANA. A. 2 to 4 ft. Belongs to the Tobacco family. Plant out among Hollyhocks or Sunflowers.

3423 **Affinis** (tube rose flowered)..... 5

3429 **Sanderea,** carmine red..... 5

3424 **Hybrids,** collection of 8 colors..... 25

3434 **Sylvestris,** white drooping flowers..... 5

3439 **NIEREMBERGIA gracilis.** A. Useful for hanging baskets or edgings..... 5

3445 **NIGELLA.** A. 1 ft. Very pretty blue and white flowers, mixed..... 5

3445a **MISS JEKYLL.** Double flowers. Color bright blue. Foliage, fern-like. Excellent for cutting.....)

3670 **PHYSALIS Francheti** (Chinese Lantern Plant). 2 ft. Fruits form seed the first season. Its seed capsules are balloon-like, somewhat resembling Chinese paper lanterns. When ripe, they are bright red, making a pleasing decoration indoors in winter..... 10



LOBB'S NASTURTIUM

USE ORDER SHEETS—It will be a great help to us in filling your order correctly and speedily if you make it out on our order sheet. If you wish to write us about anything not directly connected with your order, please use a separate sheet of paper. If you want more order sheets or envelopes, ask for them. Keep a copy of your order.

PANSIES Various Named and In Mixtures

Pansies thrive best in a cool, moist but well-drained soil, enriched with well-rotted barnyard manure or fine-ground bone. Seeds sown in spring in a partially shaded situation will produce fine plants for autumn flowering. The finest blooms are to be obtained, however, by sowing in July or August, giving the plants protection during winter, when they will bloom profusely in the spring and summer.

Various Named Pansies

- 3504 **ANDROMEDA.** A lovely Pansy. Color delicate apple blossom, showing a lilac blue with darker veins.. 10
- 3450 **COQUETTE de POISSY.** Slate or mouse colored.. 5
- 3550a **MAUVE QUEEN.** Delicate mauve; three lower petals marked with carmine..... 10
- 3500 **MASTERPIECE.** Petals curled and twisted. Very large flowers more or less blotched and in combinations of color. The nearest approach to a double Pansy 15
- 3503 **HERO.** Crimped and curled deep blue flowers, the upper petals margined white..... 10



PANSY, "PSYCHE"

By hybridization and selection skilled specialists have greatly improved the Pansy, so that a new strain known as

Giant Flowered Pansies

has been developed. This, too, is constantly being improved upon by added colors to the extremely large flowers. In size the blooms are marvelous, some being 4 inches in diameter; in beauty their magnificence is unsurpassed; in colorings they are superb and incomparable.

Our Pansy Seed is the very best that money will buy.
PRICE: Any of the following, per pkt., 10c, 3 for 25c, except as otherwise noted.

- 3451 **Giant "Fiery Faces."** Rich scarlet, with gold edge and yellow center.
- 3465 **Giant Bugnot.** Large, round flowers, with shadings of colors not found in other Pansies.
- 3466 **Giant Cassier.** Three to five spotted; showy.
- 3471 **Giant Parisian.** Flowers beautifully blotched.
- 3472 **Giant Trimardeau.** Mixed; marked with three blotches on lower petals. Pkt., 5c.
- 3473 **Giant Auriculaflora.** Dark and handsome.
- 3474 **Giant Aurora.** Pure white. Finely flowered.
- 3475 **Giant Azure Blue.** Beautiful shade.
- 3476 **Giant Coal Black.** Jet black.
- 3482 **Giant Purple.** Rich and velvety.
- 3483 **Giant Emperor William.** Navy blue; purple eye.
- 3484 **Giant Five Spotted.** Petals blotched. Novel.
- 3489 **Giant Lord Beaconsfield.** Upper petals lavender, lower ones deep purple. A beauty.
- 3494 **Giant Snowflake.** Pure white.
- 3495 **Giant Spotted White.** Has dark-blue blotches.
- 3496 **Giant Striped.** Pkt., 5c.
- 3497 **Giant Yellow.** Dark center. Yellow edge.
- 3498 **Giant Yellow Gem.** Clear yellow.
- 3499 **Giant Violet Blue.** A lovely pansy; large.

3457 PANSY Barnard's Florists' Mixture

This mixture is made chiefly for and is extensively used by professional florists. Those who admire fine pansies should buy BARNARD'S FLORISTS' MIXTURE. It contains seeds of all the best Pansies, including the newer varieties. A bed grown from this seed will give you a grand display. It is the BEST Mixture that money can buy. Pkt., 20c; 3 for 50c.

3458 **Giant Pansies, mixed.** Including the above and several other large-flowered sorts not obtainable otherwise than in this mixture. Pkt., 10c; 3 for 25c.

PRIZE PANSIES

For liberal planting in the garden beds these fine sorts are the most desirable. The plants grow compactly and bloom continuously. Any of the following, per pkt., 5c.

- 3502 **PSYCHE.** Fine form and color. A fine blotched flower, entirely surrounded with white..... 10
- NEW GIANT PANSY—"Madame Perret"**
- 3452. One of the best introductions of years. Leaves broad, rich, deep green; flowers three inches across, sometimes lined and striped, but usually of one color of some shade of red from very light to quite dark.....Pkt., 15
- 3477 **RAPHAEL.** A fine Pansy of the Bugnot class. The ground color of the flower is sky blue; lower petals marked with a violet blotch..... 25
- 3506 **PRESIDENT CARNOT.** A strikingly handsome Pansy. Pure white petals each adorned with silvery margin. Always admired 5
- 3509 **FAIRY QUEEN.** Large sky-blue flowers with silvery margin. Always admired. 10
- 3510 **HORTENSIA.** Light and dark rose-colored flowers with prominent blotches on petals 10
- 3460 **SUPERB MIXTURE** of Trimardeau, Bugnot, Cassier, Odier and named Pansies. For immense size and free blooming qualities we unhesitatingly recommend this fine strain..... 15

- 3512 **Azure Blue.**
- 3513 **Black.** Very dark.
- 3518 **Black and Crimson.**
- 3519 **Bronze Colored.**
- 3519a **Brown Shades.**
- 3520 **Candidissima.** White.
- 3521 **Cardinal.** Scarlet.
- 3522 **Dark Purple.** Rich.
- 3523 **Emperor Frederick.** Purple, scarlet, and yellow.
- 3524 **Emperor William.** Blue with purple eye.
- 3525 **English Face Pansy.** Blue.
- 3526 **Fire King.** Yellow, upper petals red.
- 3527 **Golden Gem.** Yellow.
- 3532 **Gold Margined.**
- 3537 **Havana Brown.** Glossy.
- 3538 **Light Blue.**
- 3539 **Lord Beaconsfield.** Lavender shade of blue.
- 3541 **Mahogany Colors.**
- 3542 **Mottled and Striped.**

- 3543 **Odier, or Five-Blotched.** Very beautiful pansies.
- 3507 **Peacock.** Maroon, purple, and peacock blue.
- 3511 **Prince Bismarck.** Bronze and light yellow.
- 3544 **Purple,** white edge.
- 3549 **Quadricolor.** Steel-blue, edged with red and white.
- 3550 **Silver Edge.** Dark purple, edged white.
- 3540 **Victoria.** Red, a rich and beautiful shade.

PRIZE PANSIES, Mixed

3459 All the above and others in proper proportion of colors and varieties. By picking off the blooms as soon as they begin to fade, the succeeding flowers will be much more numerous and of larger size than if they are permitted to go to seed. Pkt., 5c.

PETUNIAS H. H. A. 6 inches. Petunias are most easily grown. From early summer to late fall they are loaded with flowers; heat, rain or drouth do not affect them. It is advisable to sow Petunia seed indoors and transplant to the beds or borders in May. The Bedding sorts can be sown in the open ground in May and will be in bloom by midsummer.

LARGE-FLOWERING—Single

- 3565 **Giants of California.** A large-flowering strain with fringed and ruffled flowers of rich velvety colors and deep yellow throats 15
- 3570 **Fimbriata.** Enormous flowers beautifully veined. Edges of petals ruffled and fluted..... 25
- 3571 **Superbissima.** Very large flowers of various colors and richly marked throats..... 20
- 3572 **Large-Flowered Mixed.** Superb colors and markings.... 20
- 3573 **Canary Bird.** Clear yellow, finely fringed. Desirable.... 25
- 3578 **Rheingold.** The widely open throat is golden yellow, without veins or netting; the outer margin is white..... 25
- 3579 **Quadricolor.** Its bright red rose flowers are veined for two thirds of their surface with network..... 25
- 3580 **Pepita.** Petals fringed. Color rich, deep carmine, nearly scarlet, bordered with white..... 25

LARGE-FLOWERING—Double

A proportion will come single or semi-double

- 3581 **Empress.** Rose..... 25
- 3594 **Double White.** Fringed flowers..... 25
- 3582 **Fringed** 25
- 3588 **Pure White.** 25
- 3584 **Barnard's Double Petunias,** mixed 25

BEDDING PETUNIAS

Dense, bushy little plants, only about 8 inches high; the flowers, while not large, remain boldly expanded, and in their profusion fairly hide the plants for months; beautiful for garden beds, borders, and edgings, and also beautiful subjects grown in pots.

- 3585 **Fine Mixed.**..... 5
- 3586 **Dwarf Inimitable.** Cherry red with white star. 5
- 3587 **Blotched and Striped.** 5
- 3583 **Pure White**..... 5
- 3589 **Snowball.** White..... 5
- 3590 **Violet-Blue** 10
- 3591 **Adonis.** Height and habit like Snowball. Carmine with white throat 5
- 3593 **Rosy Morn.**..... 10
- 3592 **Howard's Star.** Crimson maroon with a clearly defined five-point star in center of flower. Fine for bedding, baskets, vases, etc..... 10

PINKS. See Dianthus.

POLYANTHUS. See Primula.



SHIRLEY POPPY

POPPIES (Papaver)

H. A. and H. P. 2 to 3 ft.

While Tulips are yet in bloom the Oriental Poppy makes the garden glow and from soon afterwards until late autumn a succession of Poppy flowers in their brilliant colors are available for cut flowers. Annual sorts should be sown in a loamy soil where they are to bloom, as they do not take kindly to transplanting.

ANNUAL POPPIES

- 3684 **Single Poppies,** mixed colors..... ½ oz., 15c.. 5
- 3677 **King Edward.** Scarlet with black blotch..... 10
- 3678 **Admiral.** A beautiful variety having large smooth-edged white flowers with a broad scarlet band..... 5
- 3704 **Single Red.**..... 5
- 3679 **Glaucum (Tulip Poppy)** mixed; dwarf..... 5
- 3680 **Shirley.** Delicate colors, in great variety..... 5
- 3685 **Shirley, Burbank Strain.** Crimped petals. Contains a wider range of Colors than above..... 25
- 3683 **Miss Sherwood.** Satiny white, tinged with rose..... 5
- 3693 **Cardinal,** red..... 5
- 3694 **Double Poppies,** mixed colors... 5
- 3686 **White Swan.** Double white; fringed 5
- 3687 **Peony-Flowered.** Mixed..... 5
- 3689 **Carnation Flowered,** mixed..... 5



STAR PETUNIA

PERENNIAL POPPIES

For permanent beds these are unequalled. Effective among shrubbery, being of tall growth, large-flowered, and showy.

- 3702 **Nudicaule (Iceland Poppy).** The various-colored flowers are borne on long, slender stems with feathery foliage. Mixed colors..... 5
- 3696 **Scarlet.** 3697 **White.** 3698 **Orange.** Each..... 5
- 3703 **Orientele (Oriental Poppy).** Scarlet..... 5
- 3703a **Orientele Hybrids,** mixed colors..... 10
- PHYSOSTEGIA Virginica.** H. P. 3 to 4 feet. Makes a bushy plant which during the summer months is clothed with tubular flowers. Should be in every garden border.
- 3672 **Lilac** 5 3673 **White**..... 10
- 3676 **PLATYCODON Mariesi (Japanese Bell Flower).** H. P. 2 feet. Deep blue..... 5
- 3674 **Grandiflorum.** Light blue.... 5 3675 **Album.** White..... 5
- PORTULACA.** H. H. A. 3 inches. Specially adapted for shallow soils; they are charming dwarf plants for dry, sunny situations and exposed rockwork, flowering profusely during the hottest weather. Sow in open ground in May..... 5
- 3705 **Single,** mixed.. ¼ oz. 15c.. 5 3706 **Double,** good, mixed..... 5
- 3705a **Single,** red, white, rose, and yellow. Each, pkt..... 5
- 3170 **PUERARIA, or Jack and the Bean Stalk.** An extremely fast-growing, hardy vine. Its large, bright-green leaves make dense shade. Bears rosy-purple, pea-shaped flowers toward the end of August. Thrives anywhere..... ½ oz. 15c.. 5



ADMIRAL POPPY

PRIMULA SINENSIS FIMBRIATA

(Chinese Giant Fringed Primroses)

Chinese Primroses and the Obconica varieties are among the finest pot plants for window or greenhouse decoration in winter and spring. They are stocky and robust in growth, about twelve inches high. Easily grown from seed which, if sown in April or May, will bring plants to bloom next winter.

Giant-Flowered Fringed Single Varieties

Seed should be sown in light soil, and it must never be allowed to become dry. The young seedlings require good ventilation and partial shade in summer. We have an exceptionally fine strain of seed which produces plants with rich green foliage and umbels of flowers well thrown up above it.

Any of the following at 25c per pkt.

- 3708 **Barnard's Mixed.** Made up from named sorts. 3709c **Magnifica Blue**, solid, light blue flowers of large size.
- 3708a **Chiswick Red**, bright crimson scarlet. 3710 **Orange King**, orange, shaded with terra cotta.
- 3708b **Crimson King**, rich color, dark-brown eye. 3710a **Queen Alexandra**, the largest white Primula; red stemmed foliage.
- 3708c **Duke of York**, crimson. 3710b **Rosea Delicata**, rosy blush.
- 3708d **Filicifolia**, mixed. 3710c **Rose Queen**, salmon.
- 3709 **Gigantea**, mixed. 3710d **Ruby Queen**, deep red.
- 3709a **His Majesty**, large flowers; art shade of crimson. 3711 **Snowden**, large white.
- 3709b **True Blue**, improved in color and habit. 3713 **Stellata**, star-like flowers in clusters. Various colors, mixed.
- 3713a **Malacoides**. Light lilac flowers on tiny stalks. Under glass the plants will bloom in from four to five months 25
- 3713b **Kewensis (Giant Buttercup)**. Dark-green leaves; bright yellow flowers on long stems..... 25
- 3718a **Forbesi (Baby Primrose)**. In bloom from October all through winter. Comes into flower in a few weeks after seeds are sown..... 15



Obconica Grandiflora

- 3712c. The delicate little flowers are borne on long stems. **Mixed**..... 10
- 3711a **White**, 25 3711b **Oculata**..... 25
- 3711c **Purple**, 25 3711d **Rosea**..... 25
- 3712 **Crimson** 25
- 3712b **Fimbriata**, mixed..... 10
- 3712a **Fimbriata**, rose..... 25
- 3712d **Giant Mixed**..... 25



RUDBECKIA VARIABILIS

RUDBECKIA

(Corn Flower)

- H. A. and H. P. 2 feet. Showy; free blooming, fine for cutting. In bloom July to September.
- 3767 **Bicolor superba**. Large, bright yellow, with dark spots.. 5
- 3768 **Fulgida variabilis**. H. P. 3 ft. Orange yellow..... 5
- 3773 **Purpurea**. H. P. 3 ft. Reddish purple flowers..... 10
- SWEET ROCKET**. H. P. 2 to 3 feet. Valuable for cut flowers.
- 4031a **Mixed**..... 5 4031 **White**..... 5

Hardy Primulas

Should be protected by leaves or covered with cold-frame in winter. They like a cool place, alongside a north wall where there is moisture.

PYRETHRUM

Hardy perennials, useful in borders. Their daisy-like flowers are fine for cutting. They come in a variety of colors and in great profusion. The golden-leaved sorts are invaluable for edging and bedding.

- 3724 **Aureum**. Bright yellow foliage..... 5
- 3729 **Golden Gem**. Dwarf..... 5
- 3740 **Selaginoides (Fern leaved)**. Foliage golden yellow..... 5
- 3723 **Comet Flowered**. Petals twisted and tangled. Color pure white to blood red..... 20
- 3741 **Roseum Hybridum**. Large, Aster-shaped flowers in shades of white, pink, red, and purple. May and June..... 10
- 3742 **Kelway's Single Mixed**. Valuable for cutting. Colors are bright and attractive..... 25
- 3730 **Hybridum Fl. Pl.** Aster-like flowers. All colors from pure white to crimson. Mixed..... 15

RICINUS (Castor Bean) H. H. A. 6 to 15 feet. Ornamental plants with palm-like foliage and showy fruits. Fine for center plants in beds of Cannas, etc., giving to the garden magnificent sub-tropical effects; even a single plant forms a pyramid of leaves.

- 3744 **Borboniensis arboreus**. 15 ft. Large, deep-green foliage. 5
- 3745 **Cambogensis**. 5 ft. Dark bronzy maroon..... 5
- 3750 **Sanguineus**. 10 ft. Stems red; leaves green with red ribs. 5
- 3752 **Zanzibarensis**. 15 ft. Leaves vary in color from light green to purplish red..... 5
- 3753 **Gibsonii**. 6 ft. Dark leaves. Dwarf branching habit.... 5
- 3758 **Ricinus, finest mixed**..... Ounce 10c.. 5



PYRETHRUM AUREUM

SALPIGLOSSIS. H. A. 2½ ft. Easily grown from seed. Should be in every garden. The funnel-shaped flowers are like a Petunia. They come in a wide range of colors, each flower veined and pencilled. In bloom August to October. Useful for cutting.
 3774 **Emperor.** An improved strain; growth is more compact and flowers larger..... 10
 3775 **Mixed.** Many shades and markings....¼ oz., 20c.. 5



SALVIA, FIREBALL

SALVIA SPLENDENS (Scarlet Sage)

These handsome bedding plants, of which there are a number of different strains, produce large, long spikes of flowers well thrown up above the foliage. A hedge or bed of Salvias is a blaze of color during late summer and fall.

- 3837 **Splendens.** 2½ ft. The well-known variety, ½ oz., 20c..... 5
- 3824 **Silver Spot.** 2 ft. Scarlet flowers; spotted leaves. 10
- 3802 **Clara Bedman.** 2 ft. Dwarf and compact..... 10
- 3819 **Drooping Spikes.** 2½ ft. Red flowers..... 10
- 3829 **Burning Bush.** 2½ ft. Blooms early..... 10
- 3807 **St. Louis.** 2½ ft. Scarlet flowers..... 10
- 3785 **Fireball.** 2 ft. Very compact; desirable for pots.. 15
- 3790 **Zurich.** 12 to 15 inches. Scarlet, early..... 20
- 3832 **King of Carpets.** 16 to 18 inches. Covers itself completely with long, bright red ears right down to the ground, which produces a brilliant effect.. 25
- 3795 **SALVIA Argentea.** H. P. 3 ft. Silvery foliage; small white flowers..... 5
- 3800 **Coccinea.** A. 2 ft. Fiery scarlet..... 5
- 3830 **Globosa.** H. B. 1½ ft. Blooms the second year from seed. Excellent foliage plant for lawns. Silvery gray leaves deeply cut; large white flowers. 15
- 3801 **Patens.** T. P. 2 ft. Blue flowers on erect spikes 10

The four Salvias above, while mostly perennials, bloom the first season. They are desirable for border plants, but not for display bedding.

SCABIOSA (Mourning Bride). H. A. 12 to 18 inches. Plants for mixed borders and excellent for cutting. Flowers borne on long, erect stems, in globular beads in colors of nearly white to dark purple maroon. From July until frost.

- 3839 **Tall Double Mixed.** 5 3847 **Fiery Scarlet.**..... 5
- 3840 **Dwarf Double Mixed** 5 3844 **Caucasica.** H. P.
- 3842 **Golden Yellow.** 5 Lavender 10
- 3843 **Snowball, white.** 5 3845 **Caucasica.** H. P.
- 3846 **Pink** 5 White 10

- SCHIZANTHUS (Butterfly Flower).** H. A. 2 ft. The plants are desirable for bordering beds of taller flowers, also for indoor culture in pots during winter. Easily grown from seed. The dainty flowers, peculiarly marked, are fine for cutting. Sow outdoors when weather becomes settled.
- 3848 **Mixed Colors.**..... 5
- 3849 **Grahami Niveus.** Snow-white flowers and bright green, finely cut foliage. Fine for bedding..... 5
- 3850 **Wisetonensis.** The plants are covered with bloom, the ground color of which is white with a large spot on the upper lip..... 15
- 3861 **SEDUM (Stonecrop).** H. P. 4 inches. Showy little plants, suitable for rockwork, stone walls, edgings, etc. Mixed..... 5
- 3862 **SHAMROCK.** H. P. 6 inches. Sow indoors. Use good rich soil and give plenty of moisture..... 10
- 3863 **SILENE (Catchfly).** H. A. 1 ft. An easily grown annual with pretty flowers all summer long..... 5
- 3864 **SMILAX.** Greenhouse climber. 6 ft. Requires strings to run upon. Its long beautiful green sprays are much used for decoration..... 5
- 3865 **STEVIA serrata.** T. P. 1½ ft. Suitable for summer or winter blooming; largely used for cutting. Small, fragrant, white flowers in clusters.. 5

STOCKS (Gilliflower)

Stocks are hardy annuals indispensable in every garden. There are both summer and winter blooming varieties. For either bedding or pot culture they are desirable. Average height of plants, 1½ feet. Stocks last a long time in bloom, are beautiful, fragrant, and satisfactory.

Dwarf German Ten Weeks

The favorite sort for bedding. Grows about one foot high. May be sown in open ground and thinned out; early flowering will result from starting in a hotbed and transplanting. Seed of very superior quality.

- 3866 **Purple** 10 3870 **Light Blue**..... 10
- 3867 **Blood Red**..... 10 3871 **Crimson** 10
- 3868 **Pure White**..... 10 3872 **Canary** 10
- 3869 **Rose** 10 3873 **Mixed** 10
- 3874 **Imported collection of six distinct colors**..... 25
- 3879 **Snowflake.** Pure white; early..... 15

Giant Perfection or Cut-and-Come-Again

Useful for outdoor bedding as well as for pots or cut flowers. They throw out numerous side branches, all bearing very double, fragrant flowers. Height, 18 inches.

- 3880 **Pink** 10 3882 **Lavender** 10
- 3881 **Light Blue**..... 10 3889 **Mixed** 10
- 3887 **Princess Alice.** White..... 10

Winter Stocks

- 3888 **Bismarck.** 2½ ft. White. Sown at same time as Ten Weeks, will succeed that class in bloom.... 10
- 3901 **White Lady.** 20 inches. White. Throws up a central spike like that of a Tree Wallflower, branching freely and assuming a pyramidal form. 25



Nice Early Winter Stocks

These may be sown early to bloom in summer or in July and August for later flowering. Seedlings bloom in ten weeks. Splendid for pots and cutting. 2 ft.

- 3896 **Abundance, rose.** 25 3890 **Crimson King**..... 10
- 3914 **Beauty of Nice, pink** 10 3895 **Queen Alexandra,** rosy lilac..... 25
- 3917 **STATICE Latifolia.** H. P. 2 ft. Light blue flowers 10

SWEET PEAS

There is no annual grown that is more popular. Inexpensive, easily and quickly grown from seed, thriving on a city lot or in the country garden, supplying a wealth of flowers for months to adorn the home garden or corsage; is it any wonder that they are favorites?

Much improvement has been made by specialists in Sweet Pea development. About ten years ago the first of a new type appeared. The new comer produced the largest flowers theretofore seen. They were pink, beautiful and handsome in form. The new Sweet Pea was called Countess Spencer, and it is from that now well-known sort that the Giant Orchid-Flowering or Spencer Sweet Peas have been obtained.

Sweet Pea seed should be sown plentifully, as early as possible. They are usually grown in double rows with a wire trellis or a row of bush between. Make the drills about 6 inches deep and nine or ten inches apart. Change the location of the rows each season. At the time of planting, cover with one inch of soil only, and fill in the drill as the young plants grow, taking care not to cover the top of the plants. A deep soil enriched by bone meal and a sunny situation is best suited for their needs.



TYPE OF SPENCER SWEET PEAS

Named Spencer Sweet Peas

All admirers of Sweet Peas should be interested in this splendid collection of Spencer varieties which we list under color selection. Their grand flowers with their charmingly waved petals are borne in clusters of three or four, and sometimes, more on one stem and make grand cut flowers for vases, etc. Their delicate coloring and fragrance can not be excelled and scarcely equalled by any other flower.

SWEET PEAS (Grandiflora and Unwin Types) are to be found on following page.

- 3922 **America.** White, striped with crimson. Large, showy flower. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3923 **App'le Blossom.** Fine, bright pink and rose; free bloomer. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3928 **Asta Ohn.** Pinkish lavender. Large, handsome flower, which has become one of the favorites with florists. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3933 **Aurora.** White laced with light pink. Very dainty, beautiful flower. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3939 **Capt. of Blues.** Violet Blue. Large, wavy flowers, very handsome. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3944 **Clara Curtis.** Delicate cream color. Usually four flowers to a stem. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3945 **Constance Oliver.** Cream and pale pink delicately blended. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.
- 3946 **Countess Spencer.** This beautiful pink variety was the first of the Spencer type to be introduced. Flowers of unusual size and substance. The beautifully waved petals and their soft pink color makes it one of the most attractive and admired by all. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3947 **Dainty.** Fine large flowers. White edged with delicate rose. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3948 **Florence Morse.** Lovely combination of two shades of pink, a soft delicate tint with a darker edge. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3949 **Flora Norton.** Bright blue, large showy flowers for cutting. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3950 **Geo. Herbert.** Splendid crimson flower veined and tinted with magenta. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3951 **Helen Lewis.** Beautiful salmon pink blending into orange. One of the favorite Spencers. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.
- 3952 **King Edward VII.** Splendid scarlet. Very free bloomer; should be included in every collection. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3953 **Margaret Madison.** Azure blue; one of the newer and probably the finest of the light-blue Spencers. A beautiful flower of delicate color and of splendid size and form. Pkt., 10c; oz., 35c; ¼ lb., \$1.25.
- 3954 **Marie Corelli.** Handsome, bright crimson, of late introduction and quite distinct. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3955 **Mrs. C. W. Breadmore.** Light buff, bordered with rose. A very pretty flower. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3956 **Mrs Hugh Dickson.** Cream colored and pink, very delicately blended large flowers, vines vigorous. Pkt., 10c; oz., 35c; ¼ lb., 85c.
- 3957 **Othello.** Rich maroon. The best of the dark varieties and one of the largest and finest of the Spencers. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.
- 3958 **Primrose Spencer.** This is a delicately colored variety having the petals beautifully waved. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3959 **Senator.** An odd colored sort; chocolate striped on white ground. Large flowers which are very attractive. Pkt., 10c; oz., 30c; ¼ lb., 85c.
- 3960 **Stirling Stent.** Lovely salmon pink, blooms freely. Usually four flowers to a stem. Very much admired wherever put on exhibition. Should be one of the Sweet Peas you plant this year. Pkt., 10c; oz., 35c; ¼ lb., \$1.25.
- 3961 **Thomas Stevenson.** Orange scarlet, of splendid size and form. One of the newer Spencers and becoming popular. Pkt., 10c; oz., 35c; ¼ lb., \$1.25.
- 3962 **Vermillion Brilliant.** Very brilliant scarlet; large flowering and exceedingly showy. Pkt., 10c; oz., 35c; ¼ lb., \$1.25.
- 3963 **White Spencer.** Very large, beautifully waved flowers, pure white. Pkt., 10c; oz., 35c; ¼ lb., \$1.25.
- 3964 **Barnard's Royal Mixture of Spencers.** Contains a proper proportion of all the named varieties. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

SPECIAL OFFER. One packet of each of the above 24 varieties, for \$2.00. This collection contains the pick of the Spencer Sweet Peas and they will delight the grower with a variety of colors that cannot be surpassed in any other collection of these beautiful flowers.

SWEET PEAS---Grandiflora and Unwin Types

There are a great many named kinds that could be listed under this head. We have made a selection of those we consider the best of each color or shade and arranged them in that manner for convenience in ordering. Unwin Sweet Peas, while not of the splendid size and form of the Spencers, are fine, large flowers with slightly waved petals.

Owing to unfavorable growing conditions the past two seasons in the section of the country where most of the sweet peas are grown, the crops harvested have been very light, in some instances almost failures. This accounts for the marked increase in price from that which they were formerly sold for. We have tried to make our prices as low as these conditions would permit, and believe they will compare favorably with those quoted by other reputable houses in their catalogs.



GRANDIFLORA TYPE OF SWEET PEAS



UNWIN TYPE OF SWEET PEAS
SCARLET AND CRIMSON

	Pkt.	Oz.	¼lb.
3992 King Edward VII, bright scarlet.....	5	15	35
3997 Queen Alexandra, fine scarlet.....	5	15	35
3998 Coccinea, Cherry red.....	5	15	35
3999 Phyllis Unwin (Unwin type), carmine..	5	15	35

MAUVE AND LAVENDER

4000 Mrs. Geo. Higginson, Jr., delicate lavender	5	15	35
4001 Dorothy Tennant, rosy mauve.....	5	15	35
4002 Lady Grisel Hamilton, lavender.....	5	15	35
4003 Frank Dolby (Unwin type), lavender...	5	15	35

BLUE AND PURPLE

4004 Lord Nelson, deep blue.....	5	15	35
4009 Flora Norton, bright blue.....	5	15	35
4010 Duke of Westminster, purple.....	5	15	35

BLUE AND WHITE

4010a Helen Pierce, blue, mottled with white..	5	15	35
4011 Lottie Eckford, white, bordered blue...	5	15	35

MAROON

4011a Black Knight, very dark.....	5	15	35
4012 Othello, deep maroon.....	5	15	35

STRIPED AND VARIEGATED

4012a America, scarlet on white.....	5	15	35
4017 Aurora, light pink on white.....	5	15	35
4017a Juanita, lavender on white.....	5	15	35
4018 Senator, chocolate on white.....	5	15	35

MIXTURES

4023 **Barnard's Royal Mixture.** Named varieties of both Unwin and Grandiflora types. The colors are well proportioned according to a carefully studied formula. This is truly a superb mixture. Pkt., 5c; oz., 15c; ¼ lb., 35c.

4024 **Choice Mixed.** Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

4029 **Cupid.** Grow one to two feet in height. All colors mixed. Pkt., 5c; oz., 15c; ¼ lb., 50c.

4029a **Early Flowering or Christmas Varieties.** For greenhouse culture. White, pink and white, lavender, purple and scarlet, separate colors. Pkt., 10c; oz., 20c; ¼ lb., 50c.

For Spencer Sweet Peas see page 61.

WHITE

	Pkt.	Oz.	¼lb.
3965 Dorothy Eckford, fine.....	5	15	35
3966 Mount Blanc, very early.....	5	15	35
3967 Shasta, pure white.....	5	15	35
3968 Nora Unwin (Unwin type), white.....	5	15	35

YELLOW

3970 Golden Gleam, primrose yellow.....	5	15	35
3971 Hon. Mrs. Kenyon, yellow, large flowers.	5	15	35

PINK AND ROSE

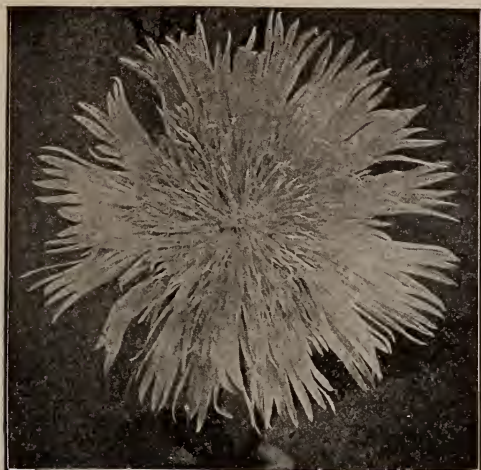
3972 App'e Blossom, light pink and rose.....	5	15	35
3973 Katherine Tracy, soft pink.....	5	15	35
3974 Prima Donna, pink.....	5	15	35
3975 Gladys Unwin (Unwin type), light pink..	5	15	35
3976 Janet Scott, fine bright pink.....	5	15	35

PINK AND WHITE

3977 Blanche Ferry, the popular.....	5	15	35
3981 Earliest of All.....	5	15	35
3986 Dainty, white with pink border.....	5	15	35

ORANGE PINK

3987 Mrs. Wilmot, deep orange pink.....	5	15	35
3988 Gorgeous, orange scarlet.....	5	15	35



STOKESIA CYANEA

- 2694 **STOKESIA cyanea** (Cornflower Aster). H. P. 2 ft. Of easy culture. Large lavender blue flowers on long stems. Blooms all summer until fall..... 5
- SWEET WILLIAM** (*Dianthus Barbatus*). H. B. 1½ ft. For bedding, bordering, or cutting, this favorite is invaluable. Of vigorous growth and extremely easy culture, bearing fragrant masses of flowers. Blooms second year from seed.
- 4032 **Giant-flowered Double Mixed**..... 10
- 4033 **Single Finest Mixed**..... ¼ oz. 15c.. 5
- 4035 **Hunt's Perfection** or **Auricula-flowered**..... 5
- 4037 **Pink Beauty**... 5 4040 **White** 5
- 4039 **Nigrescens** 5 4043 **Scarlet Beauty**. 10
- 4044 **THUNBERGIA** (*Black-Eyed Susan*). H. A. Climber. Useful for window boxes, hanging baskets, vases, etc. Trumpet-shaped flowers in great profusion in summer. Mixed colors..... 5
- 4045 **Alata Alba**. White, with dark eye..... 5
- 4050 **Alata**. Yellow with black eye..... 5
- TORENIA**. H. H. A., 1 foot. Good both for bedding out and hanging baskets. Trumpet-shaped flowers; in bloom all summer long.

- 4058 **Fournieri compacta**. Porcelain blue..... 10
- 4060 **Fournieri**. Sky blue and violet..... 10
- 4070 **TRITOMA Grandiflora** (*Red-Hot Poker Plant*). H. P. 4 ft. Effective among shrubbery or planted in clumps. The large spikes of orange-red flowers are borne in the autumn..... 5

VERBENA One of the best annuals for bedding purposes, also for vases and window boxes. Easily grown from seed, producing stronger, more vigorous, and better plants than from cuttings. In bloom all summer. Start seed in the early spring, in the house or under glass, and transplant where they are to bloom, after three or four inches of growth have been made.

4079 **Choice Mixed**..... 5

4080 **Dwarf, Mixed**..... 5

Mammoth-Flowered Verbenas

An improved strain, producing immense flowers. The seed was saved from finest specimens only. Each, per pkt., 5c.

4071 **White** 4075 **Blue Shades**

4072 **Scarlet** 4076 **Pink**

4073 **Striped** 4077 **Auriculiflora**

4074 **Purple** 4078 **Mixed**

- 4081 **Lemon Scented**. Foliage is delightfully fragrant... 10
- VIOLA odorata** (*Violet*). H. P. 6 inches. Well-known favorites that are much in demand on account of their fragrance and profusion of bloom.
- 4082 **Single Blue**..... 5 4083 **Single White**..... 5

VINCA (*Periwinkle*). T. P. 15 in. Blooms first season from seed. Much used in parks and private grounds for bedding. The plants require no trimming, are free from attacks of insects, and most profuse in blooming. The handsome flowers and pretty foliage make Vincas very desirable.

- 4087 **Rosea**. Fine shade of rose..... 5
- 4088 **Rosea Alba**. White and pink..... 5
- 4089 **Rosea Alba Pura**. Pure white..... 5
- 4090 **Mixed**. Above varieties..... 5

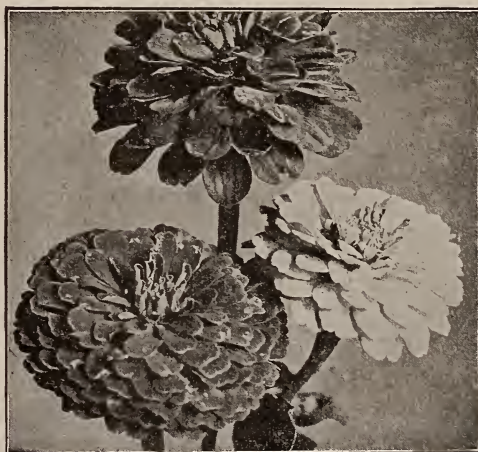
VIOLA cornuta (*Tufted Pansies*). These miniature pansies are adapted to shady places and rockwork, also in beds or edgings. Unlike the regular pansies, these Viola are a mass of bloom from June until frost. 4086a **Mixed**.

- 4084 **Blue Perfection** 4085 **White Perfection**
- 4086 **Lutea splendens**, yellow Each, per pkt., 10c.

WALLFLOWER (*Goldlack*). H. H. P. 1½ feet.

Blooms first year from seed. Adapted to outdoor culture, also in pots. Fragrant, velvety flowers of mostly brown or yellow shades.

- 4091 **Double Mixed**..... 10 4092 **Single Mixed**..... 5
- 4093 **Kewensis**. Rich black-brown flowers..... 10
- 4094 **ZEA Japonica** (*Striped Japanese Maize*). H. P. 5 to 6 feet. An ornamental variety of Corn. The foliage is striped with bands of white and those again divide into white and green..... 5



ZINNIA, GIANT-FLOWERED

ZINNIAS (Youth and Age)

Zinnias are among the most showy and brilliant of Annuals. They are flowers for everybody. Come readily and quickly from seed, are easy to transplant, will endure considerable drought. For filling flower beds and borders they are unsurpassed. Blooms continuously until frost.

Giant-Flowering Double

- Very large flowers, 5 to 6 inches across, like Dahlias.
- 4095 **Giant Mixed**..... 10 4109 **Giant Scarlet**..... 15
- 4108 **Giant White**..... 15 4110 **Giant Golden Yellow** 15

Large-Flowering Dwarf Double

- 4096 **White** 5 4099 **Canary** 5
- 4097 **Scarlet** 5 4100 **Crimson** 5
- 4098 **Orange** 5 4101 **Mixed** 5
- 4102 **Crested and Curled**. Colors orange, purple, pink, rose. Flowers with twisted and curled petals. Mixed 5
- 4103 **Zebra**. Flowers striped, spotted, and blotched. Nearly every flower is different in markings.... 5
- 4104 **Double Mexican**. A dwarf-growing class much admired for its extra fine flowers, mixed..... 10
- 4105 **Tall Double**, mixed. Many colors..... 5
- 4106 **Dwarf Double**, mixed. Splendid variety..... 5
- 4107 **Double Flesh Pink**..... 5

4112 Flower Garden Mixture

Seeds of more than one hundred varieties of easily grown and handsome flowering plants suitable for forming a beautiful garden, are put together in proper proportions and carefully mixed. They are very useful for sowing alongside of fences, and in any untidy bare spots of ground that are so frequently unsightly and which, if properly cared for and kept free from weeds, produce a continual display of bloom during the summer. Large pkt., 5c; oz., 15c.

Bulbs and Bulbous Roots for Spring Planting

There is nothing in floriculture which, to the amateur, will be attended with as great satisfaction or give as grand results as the cultivation of this class of flowering plants. Set out in early spring they bloom all summer. No matter if planted solely to beautify the home grounds or cultivated by the small boy as his first step to profitable floriculture, the returns will be equally gratifying. They are of easiest culture, inexpensive, and require scarcely any care. Most of these bulbs should be taken up before severe frost and stored away in a frost-proof cellar, if possible in dry sand, to preserve for replanting the following spring.

Prices Given Below Include Prepayment by Mail or Express, Except Where Otherwise Noted.



HALL'S HARDY AMARYLLIS

Hall's Hardy Amaryllis

A rare bulbous plant, botanically known and widely advertised as *Lycoris Squamigera*. It is useful to set out in shrubby borders. Needs no special culture; perfectly hardy.

"In early spring the foliage appears in long, strap-like, light-green leaves, which die away in July, to be succeeded late in August by the wonderfully effective, soft pink flowers with faint metallic tinges of lavender." Several flowers are borne upon each stalk. Each 25c; 5 for \$1.00; not prepaid, each 15c; doz., \$1.50.

TUBEROUS-ROOTED BEGONIAS

They are general favorites for bedding and pot culture. The plants are literally covered with dazzling flowers of immense size and make a most effective and beautiful display if planted in beds on the lawn, 12 inches apart. Started in the house during March and April, the first flowers will appear in June and increase with the season. Unstarted bulbs put into the open ground in May or later, will give good results. After blooming all summer, the bulbs may be taken up in November, dried off and stored away in a cool place until spring. We secured the strain of *Tuberous-Rooted Begonias* we offer, from a celebrated Belgian grower, who has taken the highest premiums wherever his collections were exhibited.

Single-Flowering Begonias in separate colors, White, Red, Scarlet, Rose, Dark Pink, Orange, Yellow, or all colors mixed. Each, 5c; doz., 50c.

Frilled Tuberous-Rooted Begonias

A most unique form, with very large single flowers which are entirely distinct, the petals being wavy and beautifully frilled on the edges similar to the newer forms of Petunias. Scarlet, crimson, white, pink, and yellow. Each, 20c; doz., \$2.

Selected Double Begonias

Lafayette. Rich brilliant scarlet. Unexcelled for bedding. Stands hot sun without wilting. Each, 25c; doz., \$2.75.
Double in separate colors, white, red, rose, dark pink, orange, yellow. Each, 15c; doz., \$1.25.
Double, all colors mixed, each 10c; doz., \$1.00.

CALADIUM (Elephant's Ears)

A most showy, ornamental plant either as specimen or in groups. Produce enormous leaves that often measure 2 to 3 feet in width and 3 to 4 feet in height.

Grade	Diameter	Prepaid	Not prepaid
First Size Bulbs	1½ to 2 in.	\$.15 each	\$.10
Extra Large Bulbs	2 to 3 in.	.25	.15
Mammoth Bulbs	4 to 6 in.	.40	.25

AMARYLLIS

There are many species of Amaryllis, all producing large, drooping, lily-like flowers, varying in color from richest crimson and scarlet to pure white and striped with crimson or scarlet. Some of the flowers measure from 6 to 9 inches across.

All of the varieties here listed are of the easiest culture. They succeed best in turfy loam into which well-decayed manure has been mixed. They should be given water very sparingly until the leaves appear. With a little care a constant succession of bloom may be had throughout the year. Winter the bulbs in house or cellar. If in pots, do not remove from soil.

Atamasco Alba (Fairy Lily). Three to four bulbs to a five-inch pot; for the garden, set out in spring and lift in autumn like *Gladiolus*. White flowers. Each, 5c; doz., 50c.

A. Rosea. Rose-pink flowers, 3 to 4 inches across. Each, 5c; doz., 50c.

Formosissima (Jacobean Lily). Will bloom in water like a Chinese Lily. Flowers appear in advance of foliage. Dark scarlet flowers, in early summer. Each, 10c; 3 for 25c.

Johnsoni (Barbadoes Spice Lily). Large trumpet-shaped flowers, with a white stripe through each petal. A favorite and well-known variety. First size bulbs, each 25c. Large selected bulbs, each 35c; 3 for \$1.00.



JOHNSON'S AMARYLLIS



TUBEROUS BEGONIA—FRILLED TYPE

SPOTTED-LEAF CALLA LILY

(*Richardia alba maculata*)

This variety is perfectly hardy in this climate, and is an excellent acquisition for the border or in clumps near ponds. Flowers white; foliage spotted white. Each, 10c; 3 for 25c.

CINNAMON VINE

Hardy climber of rapid growth, bearing glossy green, heart-shaped leaves and white cinnamon-scented flowers. Each, 5c; doz., 50c. Extra large tubers, each 10c; doz., \$1.00.

SELECT CANNAS

List of Choicest Varieties in Cultivation

We offer the dry tubers only, and make shipment of them when danger from frost is past. If the dry roots, when received, are not at once planted either in pots or out-of-doors, they may be hastened into growth by watering and keeping in a warm place until the sprouts have attained some length.

Cannas should be planted in good, rich garden soil, mixed with old rotted stable manure. Water sparingly at first after planting; when growing freely, water very liberally. Plants should be set eighteen inches apart each way, and if more than one variety is used, be careful to plant the taller growing ones in the center and the dwarf ones around the edge, if planted in beds.

Six Grand Cannas of Recent Introduction

Gladiator 3 ft. A very showy *Canna* of strong and rugged habit. Flowers are bright yellow, thickly spotted with crimson. Each, 15c; doz., \$1.50.

King Humbert 4 ft. Broad, coppery-bronze leaves. Flowers orange-scarlet with red markings. Bold and effective. One of the finest *Cannas* in cultivation. Each, 20c; doz., \$2.00.

Improved Mont Blanc The White *Canna*. 3½ ft. Has creamy-white flowers with well-rounded petals. Contrasts well with highly colored sorts as the flowers are almost pure white. Each, 15c; doz., \$1.50.

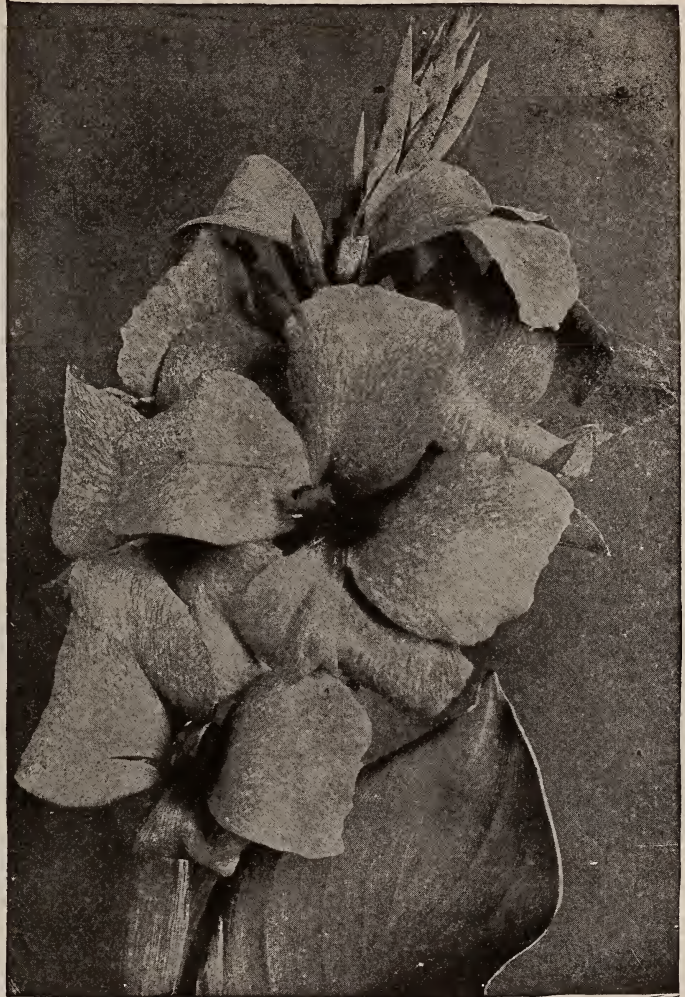
Mlle. Berat 5 ft. Soft rosy carmine. The nearest approach to a pink. A first class bedding variety. Vigorous yet compact. Each, 10c; doz., \$1.00.

Mrs. Alfred F. Conrad 4 ft. Salmon pink flowers of largest size. Unsurpassed for planting single or in large beds. Foliage green. Constant bloomer. Each, 30c; doz., \$3.00.

Rosea Gigantea 5 ft. Giant flowers of rich rose pink color. A fine grower and very profuse bloomer. Each, 20c; doz., \$2.00.

WELL-TRIED CANNAS, STANDARD SORTS

Orchid or Large Flowering		Each	Doz.
Austria, 6 ft., canary yellow, spotted red.....		\$0.10	\$1.00
Burbank, 4 to 5 ft., clear yellow.....		.10	1.00
Louisiana, 6 ft., large flowers of vivid scarlet..		.10	1.00
King Humbert, 4 ft., orange scarlet with red markings, bronze foliage.....		.20	2.00
Mrs. Kate Gray, 6 ft., scarlet and yellow....		.10	1.00
Pennsylvania, 5 to 6 ft., brilliant scarlet....		.10	1.00
Wyoming, 6 ft., rich orange.....		.15	1.50
Red Flowering			
Chas. Henderson, 3½ ft., bright crimson.....		.10	1.00
Eastern Beauty, 4 ft., light salmon and orange changing to flesh pink.....		.10	1.00
Fuermeier, 4 ft., fiery scarlet; exceptionally free flowering.....		.10	1.00
Jean Tissot, 3½ ft., intense brilliant vermilion with orange shadings.....		.10	1.00
J. D. Eische, 3½ ft., vivid scarlet.....		.10	1.00
Patricia, 4 ft., light crimson.....		.10	1.00
Uncle Sam, 6-7 ft. Green foliage, orange scarlet flowers. Equal to King Humbert.....		.15	1.50
White and Pink Flowering			
Mlle. Berat, ½ ft., large carmine pink.....		.10	1.00
Improved Mont Blanc, 3½ ft., almost pure white		.15	1.50
Mrs. Alfred F. Conrad, 4 ft., salmon.....		.30	3.00
Yellow Flowering			
Florence Vaughan, 4½ ft., yellow, dotted red		.10	1.00
Gladiator, 3 ft., yellow spotted red.....		.15	1.50
Richard Wallace, 5 ft., canary yellow.....		.10	1.00



ORCHID-FLOWERED CANNA

Variegated Flowering		Each	Doz.
Madam Crozy, 4 ft., scarlet gilt edge.....		.10	1.00
Niagara, 3 ft., crimson, yellow border.....		.10	1.00
Queen Charlotte, 3 ft., scarlet, gilt edge....		.10	1.00
Souv de A. Crozy, 3½ ft., crimson with gold band; flowers last a long time.....		.10	1.00
Venus, 4 ft., rose pink; yellow border.....		.10	1.00
Bronze Foliage			
Hiawatha, 5 ft., variegated foliage; large, delicate pink flowers with crumpled petals.....		.10	1.00
King Humbert, 4 ft., orange and scarlet with red markings; bold and effective.....		.20	2.00
Marechal Valiente, 7 ft., one of the best....		.10	1.00
President Carnot, 7 ft., orange scarlet.....		.10	1.00
Egandale, 4 ft., currant red flowers.....		.10	1.00
David Harum, 3½ ft., vermilion scarlet.....		.10	1.00
Pres. Meyers, 4 ft., red, cherry carmine.....		.10	1.00
Rubin, 3½ ft., carmine flowers.....		.10	1.00
Rosea Gigantea, 5 ft., rose pink.....		.20	2.00
Shenandoah, 5 ft., large salmon flowers....		.10	1.00
Wm. Saunders, 4 ft., bright scarlet.....		.15	1.50
Wyoming, 6 ft., rich orange flowers.....		.10	1.00

Cannas in Mixture

Red Shades, mixed.	Orchid Flowering, mixed.
Yellow Shades, mixed.	Bronze Foliage Varieties,
White and Pink, mixed.	All Sorts, mixed.
Variegated Flowering.	

Each, 8c; 3 for 20c; 6 for 35c, postpaid.

Barnard's Novelty Set of Dahlias for 1914

In offering this sterling collection this season, we wish to call special attention to the free-flowering and early-blooming qualities of these splendid new creations in Dahlias, which make them suitable for either garden or exhibition work. The color of them is simply beautiful, and for the lover of delicate and chaste varieties we can not recommend them too highly. Prices include prepaid delivery.

Augusta Nonin (Decorative). One of the most brilliant Dahlias in existence, the color being a rich, fiery scarlet. Blooms are of the largest size, full in the center and of the best exhibition type. The plants are free and of upright growth, and produce quantities of large flowers with ease. Very few of the latest introductions have met with such success as has this one. 35c each; \$3.50 doz.

Delice (Decorative). The finest Dahlia introduced within the last five years. At no time has any Dahlia created such a world-wide popularity as has this sterling sort, within the last year. In color it is a beautiful shade of rosy-pink, suffused with lavender-pink. The flowers are medium size, of the most perfect decorative form, and are produced in the utmost profusion on long stems held well above the foliage. This variety should appeal to every lover of flowers on account of its delicate color. 35c each; \$3.50 doz.

Goliath (Cactus). A monster, yet a sterling good sort, as from early August until frost ended their career, our plants of this continued to produce flowers of surprising size with perfect centers and on long, strong stems. The color is yellow, suffused and tinted with reddish-salmon. We can not recommend this variety too highly as it is certain to give satisfaction to all. 30c each; \$3.00 doz.

Kaiserin Augusta Victoria (Decorative). Another sterling decorative sort that has created quite a sensation. The color is a clear ivory white, without a shade or blemish; the flowers are large, of perfect form with immense, broad, flat petals of graceful curves. One of the many features of this grand sort is its early-blooming qualities, which have heretofore been unknown in any Dahlia. 25c each; \$2.50 doz.

Master Carl (The King of Cactus Dahlias). In this grand variety we have all that can be wanted; its color is a pleasing shade of bright amber, which combined with its other good qualities, make it unsurpassable for exhibition or garden purposes. Unlike most other Cactus Dahlias, its colossal flowers are held upright on long stems, displaying the center to advantage. 25c each; \$2.50 doz.

Pius X In this we believe we are offering the ideal white Cactus Dahlia which has been a desideratum for a long time. In habit of growth it is robust, and in color a pure snow-white, with flowers from 5 to 6 inches in diameter. For exhibitors this variety is an absolute necessity, and for any other purpose, second to none. 25c each; \$2.50 doz.

Paul Kruger (Pæony-flowered). A very pleasing blending of purplish maroon and white. The plant is a very early and prolific bloomer, producing its flowers in extremely long stems. The center petals are very beautifully twisted and incurved, and unlike other Pæony-flowered Dahlias, it has a range of three rows of petals instead of two. 20s each; \$2.00 doz.

Queen Wilhelmina (Pæony-flowered). Immense fluffy flowers of pure white, with yellow center, the petals being very peculiarly twisted and incurved, and the flowers are produced on extra long stems, making them invaluable for cutting or garden decoration. 25c each; \$2.50 doz.

Virginia Maule (Decorative). A gem of the most beautiful coloring, being a delicate shade of shell-pink. Plants robust and flower abundantly throughout the season, the blooms varying but little in size. This is one of the most reliable varieties we have, form, color, and habit all being alike good. 25c each; \$2.50 doz.

One' each of above Nine Grand New Dahlias dry roots for \$2.00, delivered prepaid.



CACTUS DAHLIA, MASTER CARL

Cactus Dahlias of Special Merit

This is a selection of sixteen varieties made with a view of supplying the amateur, or persons unfamiliar with Cactus Dahlias, an assortment which, in our own experience, has proven to be the earliest, freest and consequently the best for beginners. This assortment can be depended upon to give entire satisfaction and be a mass of colors from early August till cut down by frost.

Dry roots 20c each; \$2.00 per doz.

Atlanta. Large, bright, rich red, shaded darker. A strong, vigorous grower and profuse bloomer.

Comrade. Fawn-color at the base, gradually shading to pink at the tips of the petals.

Countess of Lonsdale. A pleasing blend of salmon-pink and amber, early, and one of the very best, blooms freely under all conditions.

Earl of Pembroke. Bright plum, deeper and velvety toward the center.

Flora. An ideal white Cactus Dahlia, a bright, heavy flower, produced on a stout, stiff stem; makes it valuable for cutting.

Floradora. Color, dark, velvety crimson, plant of medium height and an early and profuse bloomer, the plants being continually covered with finely shaped blooms.

Galliard. The best scarlet-crimson Cactus Dahlia. A profuse bloomer and invaluable for cutting.

Harbor Light. Orange-red overlaid with flame sometimes coming golden-orange. The flowers are of immense size, often measuring 7 inches in diameter. Should be in every collection.

Kriemhilde. A pure, fresh, delicate pink shaded white at center; finest form; grand cut flower.

Matchless. Maroon, shaded black.

J. B. Briant. Golden-yellow tinting to soft, creamy-yellow at the tips of the petals, sometimes suffused pinkish-fawn.

CACTUS DAHLIAS—Continued

- J. H. Jackson.** The largest and finest of the deep velvety-maroons. Flowers very large, finest form.
- Prince of Yellows.** Very large, rich, canary-yellow, with broad, flat petals which are fringed at the tips.
- Mrs. R. J. Jones.** A fancy variety with narrow, twisted petals. The color is deep crimson with a broad band of white running down the center of each petal.

Standard Bearer. A clear, bright scarlet. A very early and profuse bloomer.

Winsome. One of the best white Cactus Dahlias for cut-flower purposes, being very early and free.

Any of the above, 20c each, \$2.00 dozen.

We commence sending out dry roots about April 1. Prices named include delivery prepaid.

DECORATIVE DAHLIAS

Of Special Merit

The following 20 varieties are the finest in their class, being of unusually distinct and pleasing merit. They are all early and free bloomers, sure to give satisfaction; we can not recommend them too highly.

- Admiral Dewey.** Brilliant imperial purple.
- Catherine Duer.** Bright iridescent crimson-scarlet. Very effective under artificial light.
- C. W. Bruton.** The best yellow; of immense size and perfect form.
- Eureka.** Bright flower; clear pink petals, beautifully formed.
- Frank L. Bassett.** Bright royal-purple, shading to blue. Very early.
- Gettysburg.** Deep scarlet, bright flower.
- Gigantea.** Extremely large, as the name would suggest; gigantic and massive in form, with short, broad petals, producing flowers frequently over 7 inches in diameter. The color is distinct in its class, being a rich creamy-white.
- Grand Duke Alexis.** Color pure white, distinctly tinged, delicate pink. Large and of unique form, each petal being funnel-shaped. Very free blooming considering size.
- Henry Patrick.** A superb pure white variety of large size; borne on long stems; fine for cutting.

Lyndhurst. One of the best. Bright scarlet; perfect flowers with long stem.

Jack Rose. A rich shade of crimson the same as is found in the Rose of the same name. Plant of sturdy growth, producing an abundance of blooms on strong stems. Fine for cutting.

Maid of Kent. Cherry-red, tipped white; sometimes coming a solid color, a beautiful shade of red.

Miss Minnie McCullough. Soft yellow overlaid with bronze. Fine for exhibition or cutting.

Miss Nellie Stuart. The flower has a dark center shading to a soft pink at tips of the petals. Free bloomer.

Miss Winters. Very large, finely formed, pure white, one of the best.

Perle D'Or. Produces broad, white flowers on long stems.

Sylvia. Flowers from 4 to 6 inches in diameter; of fine form and full to the center. White shaded to soft pink on the outer petals. Early and free-blooming.

Wm. Agnew. Glistening scarlet-crimson; always a mass of colors.

Yellow Duke. A grand decorative variety of immense size. Pure canary-yellow, measuring from 5 to 7 inches in diameter, resembling a giant chrysanthemum in form and size.

Zulu. Black changing to maroon. Any of above, 20c each, \$2.00 per dozen. One each of above 20 varieties, \$3.25.

Unnamed Dahlias

White, Red, Yellow, Pink, Variegated. 15c each, \$1.50 doz., prepaid, not prepaid, each, 10c, doz., \$1.00.



TYPE OF DECORATIVE DAHLIA

Show and Fancy Dahlias

Show Dahlias (indicated by S) have large, well-formed flowers, showing solid colors; occasionally the tips are shaded. Fancy varieties (marked F) are those whose flowers are striped or otherwise variegated.

Admiral Schley (F). Rich glowing crimson, with a broad band of white running through each petal.

A. D. Livoni (S). Beautiful soft pink with quilled petals. Fine cut flower.

Arabella (S). Pale primrose, tipped and shaded old rose and lavender.

Eloise (F). Ground color bluish-pink, shading to white, each petal being margined with glowing crimson.

Fern-Leafed Beauty (F). White striped deep crimson.

John Thorpe (S). Very large, soft, rich pink, fine form.

Jamaica (S). Deep rich purple.

Lemon Beauty (S). Soft shade of lemon-yellow. Very large, full, rounded form; invaluable for cutting.

Lucy Fawcett (S). Sulphur yellow, striped carmine rose.

Mrs. Roosevelt. White and shell pink flat flowers of giant size. Fine cut striped with crimson. 35c.

Olympia (F). Very large flowers, pink flower.

Penelope (S). Very large, white, striped lavender.

Progress (F). Clear, soft, rosy lake, beautifully pencilled and spotted crimson, the soft shade predominating, producing a smooth effect.

Queen Victoria (S). Yellow with quilled petals, good for cutting.

Red Hussar (S). Intense scarlet-crimson. The plant is a strong, vigorous grower and early bloomer.

Scarlet Ball (S). Well named.

Storm King (S). A seedling of A. D. Livoni and having all the good qualities of that sterling sort. An extremely early and constant bloomer of a dwarf branching habit. Undoubtedly the finest white cutter.

Any of Above, 20c each, \$2.00 doz.

Pompon Dahlias

Alewine. White, flushea soft pink.

Elegante. Bright pink flowers with beautiful quilled petals.

Fairy Queen. Sulphur-yellow, edged deep peach.

Klein Domitea. Salmon-buff.

Little Herman. Deep red, tipped white.

Snowclad. Finest white pompon.

Any of Above, 20c each, \$2.00 doz.

Single Dahlias

Gaillardia. Golden yellow with broad band of red, round yellow center.

Crimson Century. Deep glowing crimson, shaded darker and tipped rose with rose disc around the center.

Gorgeous Century. A rich dazzling scarlet without a blemish, with an occasional white petal intermingling.

Maroon Century. Rich maroon shaded plum, large and velvety.

White Century. Flowers measure from 5 to 7 inches in diameter, of a pure snow-white color.

Twentieth Century. Very large rosy-crimson, with white tips and white disc around the yellow center.

Any of above, each 20c; doz., \$2.00.

GLADIOLUS

GRAND CUT FLOWERS

Excellent for Vases

We devote a large space to the growing of Gladiolus, and our field of them, viewed from a distance when in bloom, appears a mass of brilliant coloring. There is a constant show of flowers from late July until frost puts an end to it. The Gladiolus is a flower any one can successfully grow. Any good soil suits them, although larger flowers will result if the ground is enriched by sheep manure or other fertilizer. Plant in May and at intervals later for succession until end of June. According to size of bulb, plant from 2 to 4 inches deep and 7 or 8 inches apart.

For decorative purposes Gladiolus arranged in vases produce a charming effect. There is such a wide range of colors—white, pink, scarlet, crimson, yellow, and these again in variety of combinations. If the spikes of bloom are cut just as the first two flowers are opening, the buds will develop beautifully and last for days if water is changed occasionally.

Gladiolus, Named Sorts

Selected from the newest and best varieties of recent introductions and others. They will be found invaluable for bedding, cutting, or exhibition.

America. Soft flesh pink tinged with lavender. In growth it is strong and healthy, producing an excellent dark-green foliage and a strong, erect spike of large flowers, well set to show to the best advantage. Each, 7c; doz., 75c; 100, \$5.00.

Attraction. Deep, dark, rich crimson, with a very conspicuous, large, pure-white center and throat. At once a most beautiful and attractive sort. Each, 8c; doz., 75c.

Augusta. Flowers are of perfect paper white, with a slight pink shade on lower half of the petal. Each, 4c; doz., 40c; 100, \$2.50.

Blanche. Large pure-white flowers with but faint markings. Plant is of medium height and is rarely blown over. Each, 15c; doz., \$1.50.

Brenchleyensis. An old standard sort; one of the best for bedding where one shade of good scarlet is desired. Large bulbs. Each, 4c; doz., 35c; 100, \$1.75.

Ceres. White, flaked with purplish rose. Each, 4c; doz., 40c.

Chicago White. Pure white with faint lavender streaks on lower petals. Tall straight stems. Early. Fine bedding variety. Each, 15c; doz., \$1.50.

Eugene Scribe. Large, open flowers of a tender rose color, blazed with carmine. Each, 7c; doz., 75c.

Grace Henry. Rich, dark cardinal red, relieved by another shade of red in the throat. Each, 5c; doz., 50c.

Irene. Pink flaked with crimson. Each, 8c; doz., 75c.

Isaac Buchanan. Fine clear yellow. Each, 7c; doz., 75c.

Kunderdi "Glory." The ruffled petals give to the flower an odd and original appearance. Color, delicate cream pink with very attractive crimson stripe in the center of each lower petal. Each, 10c; doz., \$1.00.

May. White, striped crimson. Each, 4c; doz., 40c.

Madam Monneret. Delicate rose. Each, 4c; doz., 40c.

Mrs. Beecher. Deep rosy crimson with white throat. Beautiful large flowers. Each, 10c; doz., \$1.00.

Rosy Spray. White, beautifully sprayed rose. Large and fine. Each, 8c; doz., 75c.

Princeps. Crimson, with deep broad blotches on the lower petals; the individual flowers are 5 to 6 inches broad. Usually three flowers expand fully at one time, while the spike will produce from 12 to 15 flowers. Each, 15c; doz., \$1.50.

Scribe. Enormous spike; large, well-opened flower tinted white striped with carmine. Each, 8c; doz., 75c.



TYPES OF GLADIOLUS

Gladiolus, Named Sorts—Continued

Shakespeare. A standard sort, excellent for cutting; white, slightly suffused rose. Each, 10c; doz., \$1.00; 100, \$8.00.

Taconic. Bright lively pink, striped with shades of same color. Markings on the lower petals are deep crimson running into a pale lemon yellow. Each, 5c; doz., 50c.

Wild Rose. Delicate and pretty blush tint. In its color it stands alone. Each, 10c; doz., \$1.00.

Gladiolus in Separate Shades

Young, Vigorous Bulbs, Sure to Produce Fine Flowers.

In many situations we find our customers are desirous of planting large beds or borders with special shades. We offer single bulbs and dozen lots, postpaid.

	Each	Doz.	100
Red and Scarlet, bright colors.....	\$0.03	\$0.30	\$1.50
Pink and Salmon, delicate shades.....	.05	.40	2.50
Yellow Shades, the best mixed.....	.07	.65	4.50
Light and White, all first-class.....	.06	.50	3.00
Striped and Variegated, extra fine....	.04	.35	2.75
All Colors Mixed, fine variety.....	.03	.30	1.50

Gladiolus in Mixture

Tracy Mixture. Made by ourselves of several varieties listed on this page and others, all of the highest types of perfection. This mixture will please the most critical buyer. Each, 7c; doz., 75c; 100, \$4.00.

Superfine Mixed. This includes varieties that will produce some grand flowers. Doz., 35c; 100, \$1.75.

Fine Mixed. While offered at a low price, we are sure these bulbs will make a satisfactory showing. Doz., 25c; 100, \$1.25.

Groff's Hybrids. The coloring is remarkable. There are blue, lilac, and heliotrope shades. We offer the true stock in mixture. First size, doz., 60c; 100, \$3.00. Second size, doz., 25c; 100, \$1.00.

Lemoine's Hybrids. Aptly named Butterfly Gladiolus, on account of the marvelous beauty of the fantastic markings and blendings of every shade of color. Mixed. Doz., 25c; 100, \$1.75.

Childsall Hybrids. These produce mammoth flowers. They are so erect as to stand four to five feet high, with spikes of bloom sometimes two feet in length. Mixed, doz., 50c; 100, \$2.50.

NOTE—Single bulbs and dozens prepaid by us. Larger quantities at buyer's expense.

HARDY LILIES.

Lilies thrive best in a dry, rich soil. They should be planted deep, 4 to 6 inches, as they form two sets of roots, one below, the other above the bulb. All Lilies offered on this page are hardy enough to stand the winter outdoors. It is well, however, to protect them with a covering or litter of straw.

Prices include postage unless otherwise stated.

Auratum. (Golden Japan Lily.) Extremely fragrant and very beautiful. Flowers white, dotted with crimson, with a golden band running through center of each petal. *First size*, each, 15c; 3 for 40c; doz., \$1.50. *Not prepaid*, Large bulbs, each, 10c; doz., \$1.00.

Longiflorum. A variety bearing in clusters beautiful snow-white trumpet-shaped flowers of rare fragrance; fine for either outdoor or house culture. *First size*, each, 15c; 3 for 40c; doz., \$1.50. *Not prepaid*, Large size, each, 10c; doz., \$1.50.

Tigrinum. (Single Tiger Lily.) Flowers, orange red, spotted black. Each, 10c; 3 for 25c; doz., \$1.00. *Not prepaid*, each, 5c; doz., 50c.

Tigrinum fl. pl. (Double Tiger Lily.) Very large, double flowers. Each, 10c; 3 for 25c; doz., \$1.00. *Not prepaid*, each, 8c; doz., 80c.

SPECIOSUM.—(Hardy Japan Lilies.)

Of easiest culture. Once planted outdoors, there to stay.

Album. Large, fragrant, pure white. *First size*, each, 20c; 3 for 55c; doz., \$2.00. *Not prepaid*, Large bulbs, each, 15c; doz., \$1.50.

Rubrum. White, heavily spotted with rich crimson, fragrant. *First size*, each, 15c; doz., \$1.50. *Not prepaid*, Large bulbs, each, 10c; doz., \$1.00.

LILY OF THE VALLEY.

A well-known and universally admired spring flowering plant; flowers bell-shaped, freely produced and fragrant. To grow in open ground, select a partly shaded rather moist situation. A few clumps will start a bed that with little care affords an abundance of flowers and pleasure. **Clumps**, extra strong. Each, 35c. *Not prepaid*, each, 25c; doz., \$2.50.

NOTE.—We do not send BULBS of any kind by mail until all danger of their freezing is passed, usually about April first.

MADEIRA VINE.

Tuberous-rooted climber, with glossy green leaves and fragrant white flowers; of rapid growth. A few plants will cover a trellis or cottage wall in a single season. It is a very pretty thing to use for shading a porch or veranda. Each, 5c; doz., 50c. *Not prepaid*, doz., 30c.



AURATUM LILY.

MILLA BIFLORA. (Mexican Star.)

A group of them in bloom is very attractive. Flowers, star-shaped, waxy white, of great substance. They last for days when placed in water; fragrance delightful. Height, 12 to 18 in.



TIGRIDIA.

OXALIS. SUMMER BLOOMING.

The little bulbs are not much larger than peas, but quickly throw up a mass of pretty foliage and flowers; fine for beds, borders and edging; also for pots, baskets and vases. For edging, plant two or three inches apart.

Diepii. Clover like foliage, white flowers. Doz., 10c; 100, 50c.

Lasandria. Fine, rose pink, beautiful cut foliage. This is the taller variety of the two. Doz., 10c; 100, 50c.

PEONIES, see Plants.

TIGRIDA. (Shell Flower.)

Curious and beautiful shell-like flowers, about 4 inches in diameter, flowering from July to October. The bulbs can be planted about the middle of May, and taken up in October and kept over winter in dry sand.

Alba. Large ivory-white flowers, spotted with maroon, rosy lake in center; each, 5c; doz., 40c.

Conchiflora. Yellow and orange; each, 5c; doz., 40c.

Pavonia. Red, crimson spot; each, 5c; doz., 40c.

TUBEROSES.

One of the most fragrant and popular of the summer-flowering bulbs. May be started early in hotbeds or pots, or planted in open ground during the early days of May.

Dwarf Pearl. Stem about 2½ feet. Selected large bulbs. Each, 5c; doz., 50c; 100, *not prepaid*, \$2.00.

Tall Italian. Grows 4 feet high. Large bulbs. Each, 5c; doz., 50c; 100, *not prepaid*, \$2.00.

BULBS FOR WINTER BLOOMING.

We usually carry in stock during September, October and November, a complete assortment of Hyacinths, Tulips, Narcissus, Jonquils, Chinese Lilies, Crocus, Easter Lilies, etc. If you wish any of these, write us in the autumn and we will take pleasure in quoting you prices.



Hardy Herbaceous Perennial Plants

Those who do not cultivate the sturdy, hardy plants have little conception of the great pleasure to be derived therefrom. A well-arranged plant border, even a very small one, on a city lot, will produce from April to October a constant succession of beautiful flowers, not only useful for garden adornment, but for cut flower purposes as well.

Perennials are perfectly hardy in the open ground, and die down only to the roots at the approach of cold weather. Once planted, they become a lasting pleasure. Failure with them is practically impossible. They succeed admirably upon all sorts of soil and in any situation that is not too greatly shaded.

ACHILLEA (Milfoil). Hardy herbaceous border and alpine plants of easy culture. Dwarf kinds excellent for bedding. **The Pearl**, pure white double flowers in dense clusters, blooming freely through the summer; fine for cutting purposes and cemetery use. Height 2 ft. Season, June to October.

ANEMONE Japonica (Japanese Windflower). One of the finest of hardy plants, stems are erect, 2 to 3 feet high. Flowers rosy purple or carmine, 2 to 3 inches across. Season, from August until frost.

ASTER Hardy (Michaelmas Daisy). Hardy Asters are easy of cultivation in ordinary soils and exposures, and are among the best plants for the hardy border and for cut flowers. Flowers appear in the Autumn and are brilliant blue, red, purple or white.

AQUILEGIA (Columbine). Excellent border plants, blooming in May and June. Their flowers are spurred, and embrace a wide range in color—white, blue, red and yellow. April to August. Valuable for cut flowers. 1 to 3 feet.

BELLIS Perennis. (English Daisy). The hardy English Daisy is a favorite as a border plant especially for edging. They thrive best in a cool soil and moist atmosphere. Grows 3 to 6 inches high, with double, white and rose flowers, 1 to 2 inches across. Season, April to June.

CAMPANULA media. (Canterbury Bells). Canterbury Bells are probably the oldest and most popular of all Campanulas. They are easy of culture.

CHRYSANTHEMUM. Hardy Pompon varieties are becoming more popular each season for their culture is simple and they bloom late—from July to October—with a glorious display. They are very attractive.

SHASTA DAISY. Graceful and elegant pure-white flowers with yellow centers; lasts a long time. In bloom from June to October. Extra fine cut flowers, having long, stiff stems.

CHRYSANTHEMUM Maximum (Ox-eye Daisy). Forms bushy plants about two feet high. They thrive in hot sun, continuing in bloom all Summer. Flowers are like the white daisy, but larger. An excellent and lasting cut flower.

CENTAUREA Montana (Perennial Cornflower, Mountain Blue). Useful and effective border plant; invaluable for cutting. Flowers blue, about an inch across. Season May to August, growing 12 to 18 inches high.

COREOPSIS Lanceolata (Tick Seed). Rich golden yellow flowers produced the entire season. Each flower is borne on a long leafless stem. When cut, they will last in water for several days without fading. Height, 18 inches.

DELPHINUM (Larkspur). One of the loveliest blue flowers, growing on tall, erect spikes that overtop the rest of the garden. They are of easy culture, hardy but preferring sunny, well-drained places. Particular attention is called to **Belladonna**, which is sky blue and a good border plant, and to **Chinense**, which has fine leathery foliage.



BORDER OF FOXGLOVE AND SWEET WILLIAM

Hardy Herbaceous Perennial Plants---Continued

DIANTHUS Barbatus (Sweet William). These old-fashioned favorites are prized border plants. They look well in large clumps. There is a great variety of rich colors, and the flowers are very fragrant. Our plants are grown from a very select strain of seed.

DIANTHUS Plumarius (hardy Garden or Pheasant Eye Pinks). These "Clove Pinks," so much used for edgings in old-fashioned gardens, bloom most profusely during May and June. They grow about a foot high, and bear double flowers resembling small carnations. We have both White and Red.

DICENTRA Spectabilis (Bleeding Heart). Charming hardy plants with much-cut foliage and flowers of interesting structure. Easily cultivated and very highly prized for border and cemetery planting because of their bushy growth. Flowers are rose-colored, heart shaped, produced in early Spring. Large size, each 25c.

DICTAMNUS (Gas Plant). An ornamental plant which, when rubbed emits a strong, fine odor resembling lemon peel. It is one of the most permanent and beautiful features of the hardy border; growing about 3 feet high; flowering from May to July.

DIGITALIS (Foxglove) A favorite of the old-fashioned garden; the tall stalks covered with tubular flowers dominate the garden when in bloom. Their heavy masses of green foliage make a good background for Sweet William, a good example of which is seen in our illustration on page 70.

FUNKIA (Day Lily). Ornamental and beautiful both in foliage and flower. They delight in damp, moist shady places.

Lancifolia. Slender, lance-like leaves; flowers pale lilac.

Subcordata (White Day Lily), with handsome waxy white blossoms with odor resembling orange blossoms.

Hemerocallis (Yellow Day Lily). A very popular perennial. Has narrow grass-like foliage and funnel-shaped lemon yellow lilies in June.

GAILLARDIA (Blanket Flower). Unequaled for rich and constant display of bloom from June until frost.

Grandiflora. Flowers very large; bronze-scarlet bordered with yellow. Makes beautiful cut-flowers, lasting a long time in water.

HELIANTHUS (Perennial Sunflower) This hardy sunflower attains a height of about 4 to 6 feet. In August and September the plants are covered with bright double golden yellow flowers, much like Cactus Dahlia. Beautiful as a cut flower.

HIBISCUS (Crimson Eve). An immense white flower with a crimson eye. Of the hollyhock family. Perfectly hardy. Blooms freely from midsummer until killed by frost. Succeeds everywhere. Large plants, each 25c.

HOLLYHOCK (Althea Rosea). Growing 5 to 6 feet tall, these plants produce a pleasing effect planted either in rows on the lawn or among shrubbery. They require a deep rich soil, and a sunny situation, and will repay for a little extra attention given them.

Allegheny Fringed. Mammoth flowers with loosely arranged fringed petals. Colors vary from light pink to deep red. Each. 20c; doz., \$2.00.

We also offer Hollyhocks under colors; plants grown from best strains of seed.

IBERIS (Candytuft). Dwarf plants with evergreen foliage. In April and May they produce large quantities of flat heads of pure-white flowers. Very free flowering and very charming.

GERMAN IRIS. No garden is complete without some of these "Flags," as sometimes called. Foliage is blueish green, broad and luxuriant. Flowers are of various colors from pure white to dark purple, borne on stout, erect stalks surrounded by clumps of broad, spreading leaves. Some of them are fragrant. Mixed.

JAPANESE IRIS (Iris Kaempferi) Plants which should be in your garden. The magnificence of these Iris surpasses description. They begin to bloom in June and continue for weeks. Some of the flowers measure 7 to 9 inches across, all of them of great diversity of hues. The principal colors are white, lilac, lavender, deep blue, violet. Veined and mottled; each flower with a golden yellow blotch at the base of the petals. They grow well in almost any location, but attain their best perfection in moist soil or if given abundance of water. Each 25c; 6 for \$1.25; doz., \$2.25, not prepaid.

LAVANDULA (Sweet Lavender). An ancient garden favorite; grown because of its aromatic silverygrey foliage and very fragrant flowers. 1 to 2 feet. July to August.

LILY OF THE VALLEY. No garden is complete without a clump or two of this well-known plant with its pure-white, fragrant flowers. It well repays good treatment. Well-decayed manure applied on the surface early in March will greatly increase the size, number and quality of flowers. Field-grown clumps, especially suited for outdoor planting, which should be done before the end of April, if possible. Each, 30c; doz., \$3.00.

LOBELIA. (Cardinal Flower). One of the most showy of our native flowers. Its erect spike of crimson-red flowers is very attractive in the border. Grows best in a moist soil.

LYCHNIS. A well known and much-loved flower of the early gardens; easy of culture and pleasing of habit. Flowers freely during the season, having numerous bright pink flowers. 1 to 1½ feet high. May to September.

MYOSOTIS Palustris. (Forget-Me-Not). A well-known flower around which much sentiment has been woven. Succeeds best in damp situations. Flowers blue with white throat.

PYRETHRUM Roseum (Feverfew) A group of beautiful single, flowers of shades of pink, lavender, red and yellow. Very desirable for cut flowers.



DOUBLE HOLLYHOCKS

PAPAVER Orientale. A clump of Oriental Poppies with the bright, red, silky flowers borne above the green foliage is a striking sight, or cut with the dew on and placed in the house, makes an excellent decoration.

Iceland Poppy. A dwarf-growing, delicate flower from the arctic regions. Flowers freely and is a good cut-flower.

PHLOX, Hardy. They bloom with the greatest freedom from July until late in autumn. The Improved varieties have enormous trusses, all bright and showy, the individual flowers three times the size of the old varieties, and the colors ranging from purest white to violet. With Perennial Phlox a show of brilliant flowers can be had for months, as they are perpetual bloomers. Separate colors: White, crimson, pink, rose; also in mixed colors.

RUDBECKIA (Golden Glow). A grand, good, hardy herbaceous plant of easy culture. Averages 5 to 6 feet in height, and forms large clumps in a year or two, which produce literally armfuls of rich, deep golden yellow flowers on long stems in beautiful contrast with its rich dark-green foliage. A fine plant to grow in center of beds, along fences, or as a background for beds of Scarlet Sage.

TRITOMA (Everblooming Flame Flower). Splendid summer and fall-flowering plants, with stately flower scapes and magnificent dense terminal spikes of high-colored, flowers, familiarly known on account of their shape and glowing colors as the "Red-Hot Poker" plant.

Pfitzeri. The flower spikes, which are produced with considerable freedom, are of gigantic size, frequently 4½ feet high, with heads of bloom over 12 inches long, of a rich orange-scarlet, shading to salmon-rose on the edge. Needs protection during winter in Northern States.

VINCA (Periwinkle or Trailing Myrtle). A dwarf plant with evergreen leaves, indispensable for covering ground under shrubs and trees. Also made use of largely in cemeteries for grave decoration. Pretty blue flowers.

YUCCA Filamentosa (Adam's Needle). A tropical looking plant with long, sword-like leaves which remain green the entire year; flower stem three to four feet high, bearing a large spike of cream-white, bell-shaped flowers that retain their beauty and fragrance a long time; in fact, through June and July. A fine plant for cemetery, lawns, background of beds and borders.



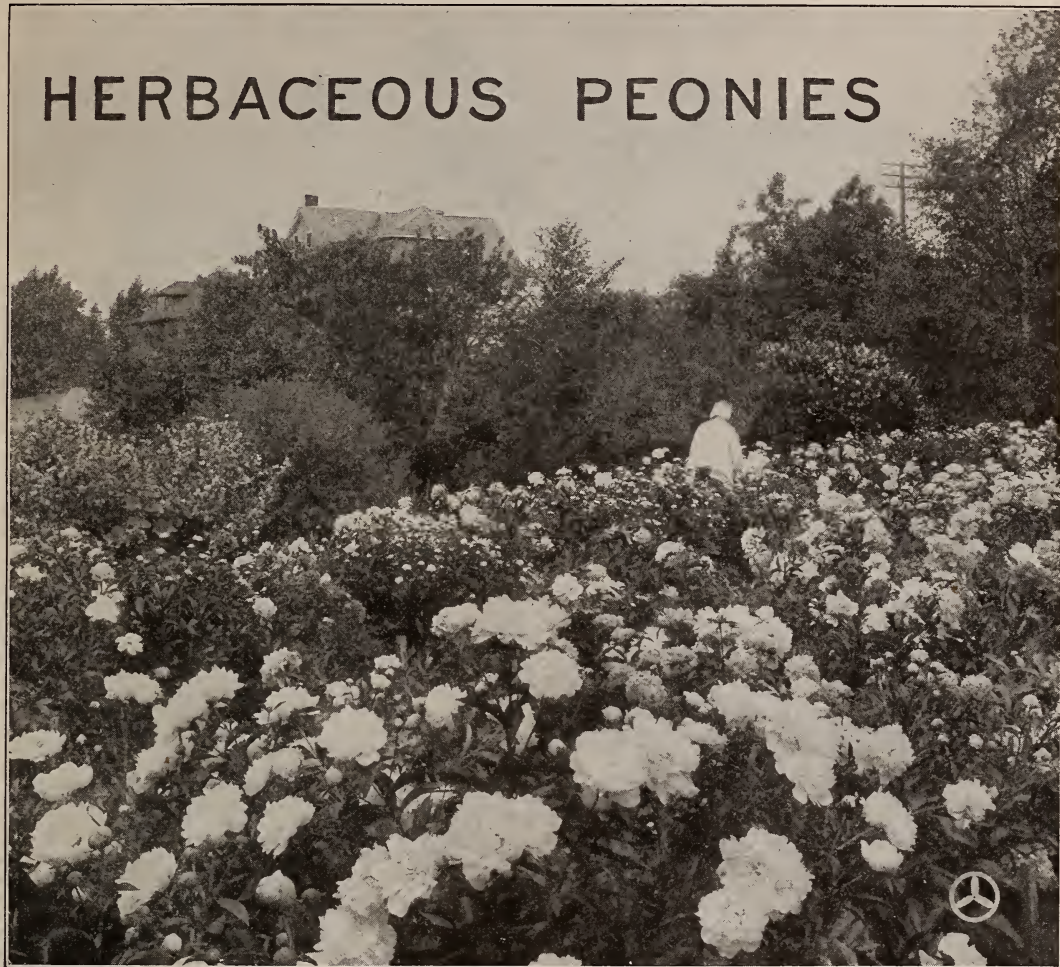
CORNFLOWER ASTER

STOKESIA Cyanea (Cornflower or Stokes' Aster). A charming and beautiful plant, which blooms most freely from June until frost. The plant grows from 18 inches to 2 feet high. It is of the easiest culture, producing aster-like lavender-blue flowers which sometimes measure five inches or over. They make splendid cut flowers.

Hardy Perennial Plants Field Grown, Divided Roots

Botanical Name	Common Name	Color of Flower	Height	Season	Ea. Doz.
<i>Achillea Ptarmica</i>	Milfoil	White	1-2 ft.	June-Oct.	\$0.15 \$1.50
<i>Althea Rosea</i>	Hollyhock	Mixed	5-6 ft.	July-Aug.	.15 1.50
<i>Anemone Japonica</i>	Windflower	Various	2-3 ft.	Aug.-Oct.	.15 1.50
<i>Aquilegia</i>	Columbine	Mixed colors	1-3 ft.	April-May	.15 1.50
<i>Aster</i>	Hardy Aster	Purple, white	3-4 ft.	Autumn	.15 1.50
<i>Bellis perennis</i>	English Daisy	White Rose	3-6 ft.	Apr.-June	.15 1.50
<i>Sampanula media</i>	Canterbury Bell	White, purple	2 ft.	June-July	.15 1.50
<i>Centaurea Montana</i>	Cornflower	Blue	12-18 ft.	May-Aug.	.15 1.50
<i>Chrysanthemum Maximum</i>	Ox-eye Daisy	White	2 ft.	All summer	.15 1.50
<i>Chrysanthemum leucanthemum</i>	Shasta Daisy	White	1-2 ft.	June on	.15 1.50
<i>Chrysanthemum</i>	Pompon	Various	2-3 ft.	July-Oct.	.15 1.50
<i>Coreopsis lanceolata</i>	Tickseed	Yellow	1½ ft.	June-Sept.	.15 1.50
<i>Delphinium Belladonna</i>	Larkspur	Sky blue	1 ft.	June to Oct.	.15 1.50
<i>Dianthus Barbatus</i>	Sweet William	Mixed colors	1-1½ ft.	July	.15 1.50
<i>Dianthus plumarius</i>	Hardy Garden Pink	Varied	1 ft.	June	.15 1.50
<i>Dicentra Spectabilis</i>	Bleeding Heart	Rose colored	2 ft.	May	.25 2.50
<i>Dictamnus</i>	Gas Plant	Red, white	3 ft.	May-July	.15 1.50
<i>Digitalis purpurea</i>	Fox Glove	Purple	2-3 ft.	June-July	.15 1.50
<i>Funkia lancifolia</i>	Day Lily	Pale Lilac	1-2 ft.	July to Sept.	.25 2.50
<i>Funkia subcordata</i>	Day Lily	White	1-2 ft.	Aug. to Sept.	.25 2.50
<i>Gaillardia grandiflora</i>	Blanket Flower	Crimson Orange	2 ft.	June to Nov.	.15 1.50
<i>Gypsophila paniculata</i>	Baby's Breath	White	2 ft.	July to Aug.	.15 1.50
<i>Hemerocallis flava</i>	Hardy Sunflower	Yellow	4-6 ft.	Aug.-Sept.	.15 1.50
<i>Hibiscus</i>	Crimson Eye	White	4-5 ft.	Aug. on	.15 1.50
<i>Iberis sempervirens</i>	Candytuft	White	6-8 in.	Apr.-May	.15 1.50
<i>Iris Germanica</i>	Flags	White, Purple mix.	1-1½ ft.	May	.25 2.50
<i>Iris Kaempferi</i>	Japanese Iris	Varied Colors	2-3 ft.	May-June	.15 1.50
<i>Lavendula</i>	Lavender	Blue	1-2 ft.	July-Aug.	.15 1.50
<i>Lobelia Cardinalis</i>	Cardinal Flower	Scarlet	3 ft.	July-Aug.	.15 1.50
<i>Lychnis</i>	Ragged Robin	Pink	1½-2 ft.	May-Sept.	.15 1.50
<i>Myosotis palustris</i>	Forget-me-not	Blue	4-8 in.	Apr. to July	.15 1.50
<i>Papaver orientale</i>	Oriental Poppy	Scarlet	3-3½ ft.	May-June	.15 1.50
<i>Phlox</i>	Hardy Phlox	Varied Colors	1½-3 ft.	July-Oct.	.15 1.50
<i>Pyrethrum roseum</i>	Feverfew	Various Colors	1-2 ft.	June-July	.15 1.50
<i>Rudbeckia laciniata</i>	Golden Glow	Yellow	3-10 ft.	July to Sept.	.15 1.50
<i>Salvia azurea</i>	Meadow Sage	Blue	8 ft.	August	.15 1.50
<i>Stokesia</i>	Stokes' Aster	Blue	½-2 ft.	June on	.15 1.50
<i>Tritoma Pfitzeri</i>	Flame Flower	Orange scarlet	3-4 ft.	June-July	.25 2.50
<i>Vinca</i>	Trailing Myrtle	Blue	Creeping	Apr.-June	.15 1.50
<i>Yucca Filamentosa</i>	Adam's Needle	White	3-4 ft.		.15 1.50

HERBACEOUS PEONIES



The Peony, of all the hardy outdoor plants, is perhaps the oldest and best known inhabitant of the flower garden, and in the improved double forms offered by us the gorgeous display of blooms in the month of June is unequalled, the flowers being perfectly double, many very fragrant and all of massive size. The abundant dark green foliage is exceptionally clean and attractive. The Peony makes one of the most desirable and lasting plants for the perennial border or shrubbery decoration.

Peonies will do well in almost any garden soil, but the better enriched the soil, and the more liberal the space allowed for each plant, the more vigorous the growth. In planting the roots cover the crown with two inches of soil. Fall is the best time to procure and transplant the roots, although this may be done in the spring. The plant is extremely hardy and will survive the coldest winters with little or no protection.

Special Choice Peonies

3 to 5 eyes, each 50c; doz., \$5.50.

Claire Dubois. Violet-rose, tipped white.
Couronne d'Or. Creamy.
Duchesse de Nemours. Pure white; extra.
Duke of Wellington. Soft light primrose.
Eugene Verdier. Beautiful pink.
Festiva Maxima. White, carmine center.
Golden Harvest. Lilac-rose, creamy center.
Isabelle Karlitzky. Glowing rose.
Lady Leonora Bramwell. Silvery pink.
La Tulipe. Delicate rose, passing to waxy white.
Louis Van Houttei. Bright red.
Madame Chaumy. Lilac-rose, silvery reflex.
Mme. de Verneville. Pure white.
Modeste Guerin. Deep rose.
Officinalis rubra. Scarlet.
Sulphurea. Creamy white.

Unnamed Sorts by Colors

We offer **White, Pink, and Red**, separate colors, each, 15c; per doz., \$1.50.

Extra Choice Peonies

3 to 5 eyes, each, \$1.00.

Dr. Hamlet. Dark red; free bloomer.
Mr. and Mrs. Chas. Leveque. Delicate pink.
La Tendresse. Pure white, center cream white.
Marie Lemoine. Pure white; late.
Mireille. Pure white.
M. Jules Elie. Delicate rose, silvery shade.
Solfatare. Dark sulphur-yellow.

Selected Peonies

Each, 25c; Doz., \$2.75

Alba plena. Double; white; good fragrance.
Chrysanthaeflora rosea. Fine rose.
Edulis superba. Bright rose.
Faust. Very light flesh-pink; center chamois.
Festiva. Pure white.
General Bertrand. Rose, center white.
Queen Victoria. Pure white, spotted carmine.
Reine des Francais. Rose.
Rosea elegans. Delicate rose.
Rubra triumphans. Crimson.
Zoe Calot. Soft rosy pink.



ROSE FRAU KARL DRUSCHKI

Hardy Roses--Hybrid Perpetual and Everblooming

Roses should be planted in the spring just as soon as the ground can be worked, and carefully handled, as they are plants that need attention when planted. Select a good sunny location where the soil is well drained, and should the soil be heavy or clayey, some sand should be put with it. A good plan is to take out the soil from 18 inches deep to 2 feet, and in the bottom place from 10 to 12 inches of well-rotted cow manure and sod, then place the black earth that was taken out, on top of this.

The plants offered herein are field grown and dormant. They can be planted as soon as frost is out of the ground. They are large and bulky, and not to be compared with small plants out of pots. From their size, we can send them **only by express or freight. The purchaser pays the transportation charges.** Having no soil on the roots and being dormant, they can be sent at low cost by express. Plants are not included in parcel post rates.

Hardy Hybrid Perpetual Roses

These are the June Roses, so admirably suited for gardens. They are of easy culture and luxuriate in a rich soil.

Purchaser's selection from list below (except as noted): Two-year-old field-grown plants, each 30c; doz., \$2.50.

WHITE

- Ball of Snow.** Pure white variety; medium size; very full, double flowers of delightful fragrance.
- Frau Karl Druschki.** An extraordinary grower, blooming freely. Vigorous and hardy. Magnificent brilliant white flowers; immense in size, and produced with great freedom on long stiff stems.
- Mabel Morrison.** Flowers pure snowy white, extra large in size, regular in form. One of the best white roses.
- Madame Plantier.** Pure white; a favorite for cemetery decoration. Hardy as an oak.

SHADED WHITE

- Captain Christy.** Extra large double flowers. A beautiful flesh color deepening at center to a rosy crimson.
- Clio.** Recommended by expert growers as the finest rose of its type. Vigorous grower, handsome foliage. Flowers flesh color shaded in the center with rosy pink.

BRIGHT PINK

- Mrs. John Laing.** A beautiful fragrant soft pink. Flowers produced on strong stems.
- Mme. Gabriel Luizet.** One of the choicest bright pink roses. Flowers large and cup-shaped.

DARK PINK

- Anne De Diesbach.** Lovely carmine. Long pointed buds and finely formed and compact flowers. Very free and delightfully fragrant. One of the hardiest.
- American Beauty.** Very fragrant, deep rose. In center shaded with crimson. In size, color, and form it has no equal. Wherever this rose is known (and that is almost everywhere) it is prized more than all others. Each, 25c; doz., \$2.50.
- Magna Charta.** Beautiful large dark pink flowers. A general favorite, prized on account of its strong, upright growth and bright, healthy foliage, as well as for its magnificent bloom.
- Paul Neyron.** Bright, shining pink, probably the largest and finest. Finely scented and free blooming. Very desirable as a garden rose.

CARMINE RED

- Alfred Colomb.** Brilliant carmine crimson. Very large flowers of fine globular form. An excellent sort.
- Mme. Victor Verdier.** Brilliant rosy carmine.
- Marshall P. Wilder.** Vigorous grower with heavy foliage. Flowers well formed, cherry crimson; very fragrant.

SCARLET

- Ulrich Brunner.** Brilliant cherry-red. Flowers of fine form.
- Baroness Rothschild.** Flowers rosy pink. Borne on erect, stout canes. Perfectly hardy, blooming late.
- Fisher Holmes.** Dark rich scarlet. Extra large full flowers. Very sweet.
- General Jacqueminot.** Brilliant crimson. Fragrant and very hardy. Esteemed as one of the most desirable roses.
- Prince Camille De Rohan.** Deep rich velvety crimson. The nearest approach to a black rose. Free bloomer.
- Baron De Bonstetten.** Rich velvety maroon. Large flower and free bloomer; splendid variety.

YELLOW

- Gloire Lyonnaise.** Flowers rich creamy white.

Half Hardy Hybrid Tea Roses

Plants need to be well banked with earth and covered with straw to protect them during the winter. Extra care devoted to this class of roses is well repaid in the abundant and continuous bloom during the summer.

Two-year-old field-grown plants, each 40c; doz., \$3.50 (except noted).

WHITE

- Kaiserin Augusta Victoria.** A strong, sturdy grower. Free bloomer. Full double flowers; fragrant creamy white.
- Caroline Testout.** Vigorous grower with large, clear, bright-rose, fragrant flowers. Free bloomer. Of sturdy habit.
- Killarney.** Vigorous grower. Flesh color. Suffused pale pink flowers. Blooms freely throughout the summer. Each, 30c; doz., \$2.50.
- La France.** Delicate silvery rose. Very large. Blooms of globular form. One of the sweetest roses.

RED

- Gruss an Teplitz.** Color scarlet, shading to velvety crimson. Free grower and most profuse bloomer.
- Richmond.** Hardy, free blooming, with immense scarlet crimson flowers. Each, 30c; doz., \$2.50.

Hardy Climbing and Other Roses

The plants of this class of Roses are used for covering trellises, walls, pillars, etc. They may be planted out as soon as ground is free from frost. Climbing Roses grow with great rapidity, are perfectly hardy, and produce flowers in large clusters. Some other desirable Roses are also named below.

Favorite Climbing Roses

Our list includes the very popular Rambler class. Arranged by color of flowers to aid in selecting varieties. Prices are for field-grown, select stock. Strong plants, delivered to express or freight office in Chicago but not prepaid, unless noted, each 50c; dozen, \$4.50.

WHITE

Baltimore Belle. Pale blush variegated carmine rose and white. Flowers borne in large clusters.

White Rambler. Large white flowers, sometimes tinged blush.

PINK

American Pillar A recent introduction and great acquisition. Single flowers of a beautiful shade of pink, borne in clusters, succeeded later by red seeds. The rich deep green foliage is retained until late autumn.

Dorothy Perkins. Very vigorous in growth and continuous in blooming. Flowers rose-pink; clusters; large size and lasting.

Lady Gay. Flowers cherry-pink which fades into soft white. Very profuse foliage of glossy deep green.

Pink Rambler. Carmine buds. When fully open, the yellow anthers give to the flowers a most pleasing effect.

Queen of Prairie. Bright rose color; compact and globular; a cup-shaped rose of much beauty.

Seven Sisters. Large flowers in clusters of seven of varied colors from white to crimson. No two alike in cluster. Fine and odd.

Tausendschon. Soft pink changing to rosy carmine. Flowers appear in large clusters. The plant is of strong, vigorous growth, perfectly hardy, and a good variety to plant where a strong climber is desired. This rose is nearly thornless.

RED

Crimson Rambler. So well known as to need little description. The foliage is rich, dark green; the growth rapid and diverse. During June and July the plant is covered with clusters of the brightest crimson flowers which remain on a long time.

BLUE

Violet Blue. This is the so-called blue rose widely advertised. It is a vigorous grower, bearing semi-double, medium-sized flowers in clusters; is reddish lilac at first, changing to a steel blue.

YELLOW

Persian Yellow. Well known. Each, 35c; doz., \$3.00.

Soleil d'Or. A grand new yellow rose with large, flat-shaped flowers. The color in bud is a rich chrome yellow tinted with coppery rose, and on expanding becomes a beautiful orange-yellow, shaded with copper and red; a very free bloomer and one of the best and most distinct roses of recent introduction. Each, 35c; doz., \$3.00.

Yellow Rambler. Flowers medium size, cup-shaped, semi-double, fragrant. They are borne in large clusters. Each, 50c; doz., \$4.50.

Bedding Roses

Baby Rambler. Of dwarf bushy habit. Brilliant crimson flowers. A grand bedding variety. Each, 35c; doz., \$3.00.

Gruss an Teplitz. One of the very best bedding roses. Scarlet, shading to velvety crimson; cup-shaped, semi-double flowers in clusters. A profuse bloomer. Each, 40c; doz., \$3.50.

Rugosa Roses

The Rugosa roses are very hardy and so vigorous that they are suitable for rose hedges or cultivated as individual shrubs. Grow 4 to 6 feet in height. Each, 35c; doz., \$3.00.

Rugosa alba. Single, pure white flowers.

Rugosa rubra. Single, rosy-carmine flowers.

Hardy Moss Roses

"The charm of a Moss Rose is the bud."

Blanche Moreau. Pure white, sometimes shaded with rosy blush; full and perfect in form.

Crested Moss. The open flowers are of the most delicious fragrance. Color, a pale rosy pink, tinged crimson; large and globular. The buds are covered with beautiful green moss.

Salet. An extremely vigorous grower. Flowers are of medium size, flat form, and well mossed. Color, beautiful light pink.

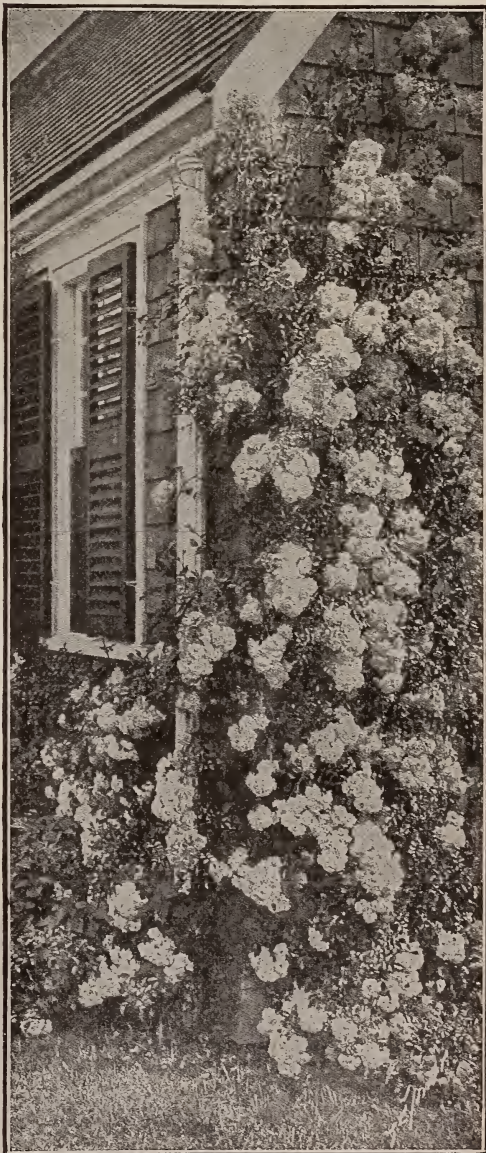
Large, field-grown plants, each, 35c; doz., \$3.00.

Tree-Shaped or Standard Roses

The stocks are budded on hardy rose stalks four to five feet high. When in full bloom, they are handsome plants for the lawn or rose border.

Crimson Rambler. Very free flowering; crimson flowers in clusters. Also a number of varieties in different colors; list upon application. By express or freight, not prepaid, each \$1.00; 3 for \$2.50.

All Roses on the two pages are in dormant condition. They may be planted as soon as ground is free from frost. Having no soil adhering to the roots, we can pack them lightly and ship by express at 20 per cent less than regular express charges for merchandise. Plants are not carried at parcel post rates.



TYPE OF PILLAR ROSE

Hardy Ornamental Vines and Climbers

Hardy Vines and Climbers thrive and flower in any garden soil, and, once established, require no extra care. All of those named here are hardy; that is, they live outdoors all winter, starting again anew the following spring. For covering porches, verandas, terraces, walls, fences, etc., they are indispensable.

All of the plants are two and three years old, in strong, healthy condition. Prices named after each variety include packing. Shipments will be made as desired, by express or freight; the buyer pays the transportation.

AKEBIA quinata. Suitable for large arbors and trellises. Very rapid growers. Small, deep-green foliage and purple flowers which are sweet scented. Each, 65c.

AMPELOPSIS quinquefolia (Common Woodbine or Virginia Creeper. A native vine sometimes called Five Fingered Ivy. A rapid grower, of sturdy growth. Its leaves are larger than those of Boston Ivy. In fall they turn to bright crimson. Holland grown. First size, each 60c.

Engelmanni. A variety of the Virginia Creeper with very strong tendrils, enabling it to cling to stone walls without support. Holland grown. Each, 50c.

Veitchi (Boston Ivy). Extremely rapid grower. Handsome, glossy green foliage which in fall changes to orange and scarlet. No. 1, 3 to 4 ft., each 35c; Good grade, each 25c. Young stock, each 15c.

ARISTOLOCHIA Sipo. This plant, on account of its rapid growth and large heart-shaped leaves, is suitable to cover arbors and for screens. Bears brownish flowers, the corolla of which resembles a miniature pipe. Holland grown in three sizes: 6 to 8 ft., each 65c; 4 to 6 ft., each 50c; 3 to 4 ft., each 35c.

BIGNONIA radicans (Trumpet Vine). Useful to cover dead trees and other unsightly objects. Clings to bark or walls with tenacity. Foliage fern-like; flowers orange-scarlet, trumpet-shaped, borne in clusters. Heavy plants, each 50c.

CELASTRUS scandens (Bittersweet). A native climbing or trailing plant with large leaves; yellow flowers in May or June, followed in the fall by clusters of orange-colored berries. Two-year-old plants, each 40c.



AMPELOPSIS VEITCHI

CLEMATIS

HYBRID LARGE-FLOWERING VARIETIES

Invaluable for verandas and trellises. These plants succeed best when grown in a deep, rich, sandy loam. The roots should be mulched with manure in winter. Failures with Clematis are frequently the result of shallow planting. We offer a selection of the best, large-flowered sorts suited to our climate. They are two- to three-year-old plants (except noted), having three to six shoots; strong, vigorous, and healthy.

Jackmanni superba. An improved form of Jackmanni. Rich violet purple. Very free bloomer. Strong, healthy, vigorous plants, having two to five shoots.

Gipsy Queen. Dark, velvety purple; very free bloomer.

Henryi. Large, creamy white; handsome.

M. Koster. Bright rose pink; much admired.

Miss Bateman. Pure white; large and showy.

Standishi. Dark blue; a constant bloomer.

Ville de Lyon. Wine red. A beautiful variety.

SMALL-FLOWERING CLEMATIS

Coccinea. Handsome bell-shaped flowers of a bright coral-red color. Blooms with great profusion from June until frost. A desirable variety. Each, 45c.

Paniculata. Particularly useful to cover verandas, pillars, fences, or other situations where support can be provided for it to climb upon. It is a strong, luxuriant grower, with pretty foliage. At the end of August the vine is covered with star-shaped, pure-white flowers of delightful fragrance. 2 years old, each 30c; 3 years old, each 50c.

LONICERA, or HONEYSUCKLE

Climbing Honeysuckles are valuable for training to posts, on verandas, and along fences. The vines make rapid growth in almost any soil or location. Heavy plants, Holland grown, each 50c; 3 for \$1.35.

Hall's Japan. A strong-growing, almost evergreen sort; flowers pure white, changing to yellow; fragrant. Covered with flowers from July to November.

Scarlet Trumpet. Bright red trumpet-shaped flowers. Blooms very freely the entire season.

Yellow Trumpet. Clusters of flowers all season.

Heckrothi. Very vigorous in growth. Deep red flowers with yellow throat. One of the finest varieties in cultivation.

LYCIUM Chinensis (Matrimony Vine). A vigorous climber, covered from June to September with star-shaped purple flowers, succeeded by scarlet berries borne along the length of the branches. Heavy 2-year-old plants, each 30c.

PERIPLUCA (Silk Vine). Will twine around a tree or other support to the height of 30 to 40 feet. Foliage glossy and purple brown flowers. Strong plants, each 50c.

WISTARIA Sinensis. The favorite variety, producing thousands of pendulous clusters of delicate violet blue blossoms, richly perfumed. 3 to 5 ft., each 50c; 6 to 8 ft., each 75c.

Aiba. Of similar habit to Sinensis, with pure white flowers. Large plants, 6 to 8 ft., each 75c.



HONEYSUCKLE, HECKROTHI

Flowering and Ornamental Hardy Shrubs



SHRUBBERY is of the greatest value and importance in adorning the home grounds, imparting to them a finished and artistic appearance which cannot otherwise be produced. There is nothing that will so quickly, and for the cost, add so much beauty to the surroundings.

Shrubs are not particular as to location; once planted, they are there to remain, as they endure. The time of bloom of the different varieties extends over nearly the whole season, though the greatest show is to be expected in spring and early summer. The variegated and golden-leaved sorts, together with those which bear ornamental fruit, make a greatly varied display. Our list includes the best, well-tried kinds, and affords a good selection to choose from.

Shrub orders amounting to \$5.00 or more include prepaid delivery within the limits of Chicago by express or freight. All others are shipped at the buyer's expense of transportation. Be sure to tell us how to ship.

ALMOND, Flowering. A bushy shrub rarely over five feet tall; bearing rose- or blush-colored double flowers in early spring. Hardy; very attractive. Specify pink- or white-flowered. Heavy plants, each 50c.

ALTHEA (Rose of Sharon). An attractive hardy shrub, desirable on account of its large, showy blossoms, which appear in August and September. Excellent for a flowering hedge or to grow singly. We have double red, white, and purple. 2 to 3 ft., each 35c; 3 to 4 ft., each 45c.

Variegated. Leaves marked with green and yellow, 40c.

Tree Form. Double red, white, or purple, each 60c.

AZALEA Mollis. Dwarf habit with large, fragrant flowers. Flowers all shades of red, white, yellow, and orange. 18 inch, in new green plant tub, each \$1.00.

BARBERRY Thunbergii (Japan Barberry). One of the best lawn and border shrubs. Compact, low-growing, especially suitable for a hedge or as a border along walks and drives. Foliage a fine brilliant green in summer, turning a deep, autumnal red in fall. Yellow flowers in April to May, then followed by bright scarlet berries in profusion, which remain fresh until the following spring. 18 to 24 inches, each 35c; ten, \$3.00.

Vulgaris (Common Barberry). 5 to 8 ft. at maturity. One of the most popular shrubs. Handsome in spring, with its golden yellow flowers and light green foliage, and in fall with its bright scarlet fruits, remaining through the whole winter. 2 to 3 ft., each 30c; ten, \$2.50. 3 to 4 ft., each 45c; ten, \$4.00.

Purpurea (Purple Leaved). Grows 3 to 5 feet high. Violet-purple foliage. Very effective in groups or masses. Each, 35c; doz., \$3.50.

BURNING BUSH. See under Strawberry Tree, page 85.

CALYCANTHUS (Carolina Allspice, or Sweet-Scented Shrub). Handsome plant, growing about 6 feet tall, with large, glossy foliage and spicily fragrant chocolate-red flowers about 2 inches across. Succeeds well in shady or sunny location. Each, 50c.

CHIONANTHUS Virginica (Fringe Tree). A large shrub with large dark-green foliage and very showy panicles of white flowers in June. Thrives best in a moist location with plenty of sun. 3 to 4 ft., each 85c.

CLETHRA Alnifolia (Sweet Pepper Bush). Valuable for its fragrant, erect panicles of creamy-white flowers from July to September. 2 to 3 ft., each 50c.

CORNUS. Hardy shrubs with handsome foliage, often assuming a brilliant fall coloring and with attractive flowers and fruits. They grow nearly as well in shady places under large trees as in sunny, exposed positions, and thrive in almost any soil. *One of our best shrubs.*

Siberica (Siberian Dogwood). Rapid growing, attaining 6 to 10 ft. in height. Clusters of small white flowers appear in May and June. Its chief attraction is the bright-red bark in winter. 2 to 3 ft., each 30c; 3 to 4 ft., each 50c; 4 to 5 ft., each 75c.

Sanguinea. Grows 8 to 10 feet high. Has dark, blood-red branches. The flowers, which appear in May and June, are greenish-white in flat-topped clusters, followed by bunches of black berries. 3 to 4 ft., each 50c.

Stolonifera Aurea. A variety with golden-yellow bark. Very attractive. Each, 40c.

CRAB, Doub'e Flowering. See under Trees, Page 84.

CURRENT, Flowering (Ribes). See page 79.

CYDONIA JAPONICA (Japan Quince). This ranks among the choicest of flowering shrubs. Bears pruning into any desired form. As a specimen shrub it is very attractive; also fine for borders or groups. The large, brilliant, bright-red flowers appear early in spring, before the leaves, and every branch is covered with bright glossy green foliage all summer. Splendid hedge plant. 2 to 3 feet, each 50c; 3 feet, each 60c.

DEUTZIAS. Very ornamental and popular shrubs with showy white or blush flowers appearing in tassel-like clusters in spring or early summer. Slender, arching branches. They thrive in almost any well-drained soil and are well adapted to borders and shrubberies. *D. Lemoinei* is the hardiest, while *D. Gracilis* and *Pride of Rochester* require light protection.

Lemoinei. Spreading shrub, 3 feet high. Pure white flowers in broad clusters. More vigorous, hardier, and with more showy flowers than *Gracilis*. 18 to 24 inches, each 35c; 2 to 3 feet, 50c.

Pride of Rochester (*D. Crenata*). Grows to 6 feet. Blooms in May in advance of the others. With very large, double white flower. Each, 50c.

Gracilis. Low growing; 3 feet high with slender arching branches; bright green leaves; snow-white flowers in May and June. Each, 40c.

Watereri. Single, bell-shaped pink flowers, 2 to 3 feet, each 35c; 3 to 4 feet., each 50c.



HYDRANGEA PANICULATA GRANDIFLORA



PHILADELPHUS, MOCK ORANGE OR SYRINGA

ELDER (*Sambucus*). Admired for their beautiful leaves as well as the flowers and fruit. They bloom in June. Require vigorous pruning to keep in shape.

Golden Elder. Yellow leaves. Each 50c.

Cut-leaved. Deep green foliage, delicately cut. 50c.

Red Berried. A new shrub with attractive snow-white flowers in June followed by large clusters of red berries. 3 to 4 feet, 85c.

EXOCHORDIA Grandiflora (*The Pearl*). A well-known garden shrub growing 6 to 8 feet in height. Its chief value is on account of its dazzling display of white flowers in early Spring. Thrives in any soil. 2 to 3 feet. Each 40c; 3 to 4 feet, each 50c.

FORSYTHIA (*Golden Bell*). One of the showiest early flowering shrubs with brilliant yellow flowers borne in profusion along the slender branches before the leaves appear. Grows 8 to 10 feet tall in good soil; hardy; excellent for planting in borders.

Fortunei. A spreading bush with upright branches and dark shiny foliage. Deep yellow flowers. 2 to 3 ft., each 35c; 3 to 4 ft., 50c.

Intermedia. Slender, arching branches. Dark green lustrous leaves. Very profuse and early bloomer. 18 to 24 inches, each 30c; 3 ft., each 45c.

Suspensa (*Weeping Golden Bell*). Long, willowy branches covered with trumpet-shaped yellow flowers appearing before the leaves. Excellent for edge of groups as the branches drop over to the greensward. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

HAMAMELIS Virginiana (*Witch Hazel*). A native shrub with large leaves and shiny yellow flowers, appearing after the leaves ripen in the Fall. Grows in all soils. 2 to 3 ft., 50c.

HIGHBUSH CRANBERRY, See *Viburnum Opulus*.

HONEYSUCKLES. For real home vines to be near you, climbing over your windows and doorways, there is nothing prettier than sweet-scented Honeysuckles. The foliage is pretty, neat, and clean; the flowers almost continuous, and their fragrance delicious. The climbing Honeysuckles are offered on page 76.

BUSH HONEYSUCKLE (*Lonicera*) These shrubs of upright habit with their fragrant flowers and red berries are very decorative. *Loniceras* thrive in almost any good garden soil, preferring sunny locations. Pruning may be done during winter. An attractive shrub for planting in the border or as a hedge.

Tartarica. A popular variety growing 8 to 10 feet tall. Produces an abundance of fragrant pink or white blossoms in May and June, followed by red berries in the late Summer and Fall. Each, 50c.

Morrowii (*Japanese Bush Honeysuckle*). Grows only 4 to 6 feet tall with wide-spreading branches. Vigorous grower, bearing snow-white flowers in May and June, followed by bright red fruits which are very decorative from August until late Fall. 2 to 3 ft., each, 35c; 3 to 4 ft., 50c.

HYDRANGEA. One of the best and most reliable shrubs giving a great abundance of showy white flowers in Autumn when blossoms are few. Hardy; grows well in any rich moist soil. To secure large clusters of blossoms, prune back, in the Fall or early Spring, the branches of the previous year to 1 to 3 pairs of buds, depending upon the quantity of blossoms desired.

Arborescens (*Snowball Hydrangea*). The snow-white blooms are much like the *Snowball* flowers, but larger and more attractive. The habit of the plant is excellent, the foliage finely finished. One of the most valuable characteristics is its coming into bloom just after the passing of all the early Spring shrubs, while its long flowering season, from early June until late August, makes it a valuable acquisition in any garden. Each 60c.

Paniculata Grandiflora. The most popular and widely planted shrub in cultivation. Adapted to any part of the country, perfectly hardy, stands heat and cold remarkably well. For the cemetery there is no better shrub. Grows 8 to 10 feet high; blooms from August until frost. The flower panicles are frequently nearly a foot in length, white when they first open, afterwards changing to rose, remaining in good condition for weeks. This shrub should be planted in masses or with background of other shrubbery. Can also be supplied pruned into tree form. First size, each 30c; extra strong, each 75c.

Paniculata (*Tree Form*). The plants we offer are trained to a straight stem, having a bushy top. Grown in this way, they make handsome specimen plants on the lawn. In two sizes, each 75c and \$1.00.

INDIAN CURRANT. See *Red Snowberry*.

LIGUSTRUM (*Privet*). They are very valuable for shrubberies, with their clean, dark green foliage, which is rarely attacked by insects and keeps its green color mostly unchanged until late Fall, excepting *L. Ibo*, which turns a purplish hue. The privets are all well adapted for planting as ornamental hedges and do well in the dust and smoke of the city. Hardy, growing well in almost any kind of soil.

Amureuse (*Amoor River Privet*). The Chinese variety, growing upright to a height of 15 feet. Hardier than the other varieties. Dark green leaves which remain on most of the Winter. Bears panicles of white flowers in June and July, followed by black berries. The best for hedge planting, and most desirable for this section. 18 to 24 in., each, 25c; ten, \$2.00; 100, \$15.00. 2 to 3 ft., each, 30c; ten, \$2.50; 100, \$20.00. 3 to 4 ft., each, 50c; ten, \$4.50; 100, \$30.00.

Vulgaris (*European Privet*). A familiar shrub with grayish green leaves and beautiful panicles of white flowers in June and July. 2 to 3 ft., each 20c; 10, \$1.75; 100, \$15.00. 3 to 4 ft., each 30c; ten, \$2.75; 100, 25.00.

Ibota. A graceful border shrub growing about 10 feet with spreading and curving branches, numerous small white panicles of blossoms appearing in June. 1½ to 2 ft., each, 25c; 10, \$2.00; 100, \$15.00. 2 to 3 ft., each, 30c; ten, \$2.50; 100, \$20.00. 3 to 4 ft., each 50c; ten, \$4.50; 100, \$30.00.

LILACS (*Syringa*). Lilacs stand more neglect, heat or drouth without showing any bad effects, than any other plant, and there is hardly any other shrub that can take their place as ornamental plants for borders, etc. They bloom in early Spring.

Vulgaris (Common). A tall growing shrub (8 to 15 feet) having large clusters of fragrant purple flowers in the Spring. 2 to 3 ft., each, 35c; 3 to 4 ft., each, 50c; 4 to 5 ft., each, 75c.

Vulgaris Alba (Common White Lilac). Similar to purple variety. 2 to 3 ft., each, 45c; 3 to 4 ft., 60c; 4 to 5 ft., each, 75c.

Persica (Persian Lilac). Habit more open and branches more slender and drooping than the Common Lilac. Flowers light purple. Grows 6 to 10 feet. 2 to 3 ft., each 50c; 3 to 4 ft., each 65c; heavy, 75c.

Charles X. Magnificent clusters of single, rosy-purple flowers. Each, 75c.

Marie Le Graye. Finest White Lilac. Has beautiful clusters of single flowers. Dwarf grower. Each, 75c.

Mme. Lemoine. Best double White variety. Vigorous habit, with large foliage. Each 75c.

PHILADELPHUS (Mock Orange; *Syringa*). These shrubs are usually tall, vigorous growers and are also remarkable for their abundance of very fragrant white flowers which are excellent for cutting. They thrive well in almost any well-drained soil and even under trees. If pruning is necessary, it should be done after flowering, since the flowers appear on the wood formed the previous year. Cut out the branches which are 3 or 4 years old and allow the young shoots to grow. This will result in cleaner bushes and finer flowers. Valuable for planting as backgrounds and screens.

Coronarius (Garland *Syringa*). One of the best and earliest. Bearing immense clusters of pure-white fragrant flowers in May. Grows 6 to 12 feet. 2 to 3 ft., each 30c; 3 to 4 ft., each, 40c.

Aureus. Medium in height. Foliage golden yellow. 60c.

Grandiflorus (Large-flowered *Syringa*). A very vigorous upright grower attaining at times a height of 20 feet. Slender branches with an abundance of pure white, slightly fragrant flowers in June. 2 to 3 ft., each 30c; 3 to 4 ft., 50c; 4 to 5 ft., 75c.

PRUNUS Triloba (Double Flowering Plum). A vigorous, low growing, hardy shrub upon the slender branches of which appear, in advance of the leaves, many double pink blossoms. 2 to 3 feet, each 50c.

RHAMNUS Catharticus (Buckthorn). A large shrub, 6 to 10 feet high. Excellent for hedges. Has dark foliage with attractive white flowers in June and July. 2 to 3 ft., 25c; 3 to 4 ft., 40c.

RHUS (Sumac). The Sumacs are mostly very hardy and good ornamental plants. Their rich fern-like leaves give a peculiar and somewhat tropical suggestion to a planting. The rich bright colors of the Sumacs in the fall make them very attractive. The best display is secured if the old wood is constantly cut out and the vigorous shoots depended upon.

Cotinus (Purple Fringe or Smoke Bush). A low growing shrub of about 10 feet which derives its name from its large loose panicles of purple flowers in early Summer. Each, 60c.

Copalina (Black or Shining Sumac). A shrub or small tree at times growing to a height of 20 feet, with shiny dark green leaves, which turn a rich crimson in the Fall. Each 50c.

Glabra laciniata (Cut-leaved). One of the best species for mass or other planting on account of its deeply cut, beautiful fern-like leaves, which are dark green above and white beneath, crimson fruits and rich autumnal coloring. Each 50c.

Typhinia laciniata (Cut-leaved Staghorn Sumac). The branches are densely covered with velvety hairy-like growth resembling the developing Elks Horn. Grows to a height of 30 feet. Deeply serrated leaves whose deep crimson color and persistent crimson fruit make it an attractive tree. Each, 50c.

RHODOTYPHUS Kerroides (White Kerria). An interesting Japanese shrub growing 3 to 6 feet high, good foliage and single white flowers from late in May on, with attractive shiny black seeds in Fall. 2 to 3 ft., 50c.

RIBES (Missouri Golden Currant). Grows to a height of from 4 to 7 feet. Flowers fragrant and useful for cut-flowers. Cultivated for its many pretty spicy, sweet-scented, bright yellow flowers in May, and its clean attractive foliage and bright autumnal tints. Each, 2 to 3 ft., 35c; 3 to 4 ft., 50c.

SPIREA. An ancient Greek name for a plant used for garlands. Spireas are all medium sized or low shrubs and well adapted for borders of shrubberies or shrubs. They offer a great variety both in flowers and foliage. They are all of easy culture and rapid growth, and amply repay the grower in an abundance of beautiful flowers. Will grow in almost any moderately moist soil. As single specimens or in groups on the lawn they are unsurpassed. Spireas flower in the following order, from the middle of May to the middle of August:

1. *Arguta* and *Thunbergii*. 2. *Van Houttei*. 3. *Opulifolia* and *Aurea*. 4. *Billardii*. 5. *Anthony Waterer*.



SPIREA VAN HOUTTEI, "BRIDAL WREATH"

Van Houttei (Bridal Wreath). This is the most satisfactory shrub in cultivation. It is the best variety of Spireas. The bush is round and graceful with long, thin, arching branches. The white flowers are in clusters, and are so numerous that when in full bloom the bush resembles a snow-drift. 2 to 3 ft., each 25c; 3 to 4 ft., 50c. Specimens, each, \$1.00.

Arguta (Snow Garland). A Japanese variety of dwarf, graceful habit. One of the earliest of the Spireas, with a wealth of pure white flowers in May which are produced on erect stems. Each 50c.

Anthony Waterer. A very low-growing shrub with deep rose-colored blooms all through the latter part of the Summer. Each, 50c.

Billardii. Strong growing plant, blooming in July and August. Grows to a height of 3 to 4 feet. We have both white and pink-flowered varieties. Each, 35c.

Opulifolia (Ninebark). A strong-growing shrub with white flowers along the stems in June. Grows to a height of 4 to 5 feet. Each, 50c.

Opulifolia Aurea (Golden Spirea). One of the best of the yellow-leaved varieties. Each, 60c.

Thunbergii. A dwarf variety blooming in April or May. With delicate drooping yellowish-green foliage which has lovely autumnal tints. Each, 50c.

TAMARIX, Africana. An odd-shaped shrub or small tree, slender upright branches with asparagus-like foliage. Hardy pink flowers in May. Each, 50c.

SYMPHORICARPUS (Waxberry). A good native shrub with attractive white berries in autumn and early winter. They are very useful plants for covering the ground under trees, for massing in the edges of beds or borders, or for detached groups where something low is desired. They will thrive in almost any soil. On account of their tendency to retain their fruit late into the winter, they are very pleasing in the winter landscape.

Racemosus (White Snowberry). A medium shrub of bushy form with pink flowers in July, followed by white waxy berries in the autumn and early winter. 2 to 3 ft., each 35c; 3 to 4 ft., 50c.

Vulgaris (Indian Currant). A low-growing, spreading shrub of graceful habit and attractive foliage. Noted for its beautiful clusters of red berries, which are persistent into the winter. 18 to 24 inches, each 20c; 2 to 3 ft., 35c. Bushy plants, 50c.

Variegated. Leaves marked with yellow and green. 35c.

VIBURNUM. A superb, much-admired group of shrubs bearing, in June, great clusters of white flowers in the form of a Snowball. They are perfectly hardy, grow quickly, and are remarkably free from attacks of insects.

Dentatum (Arrow-wood). A shrub of medium size with glossy leaves, white flowers in June fine steel-blue berries in the fall. Each, 50c.

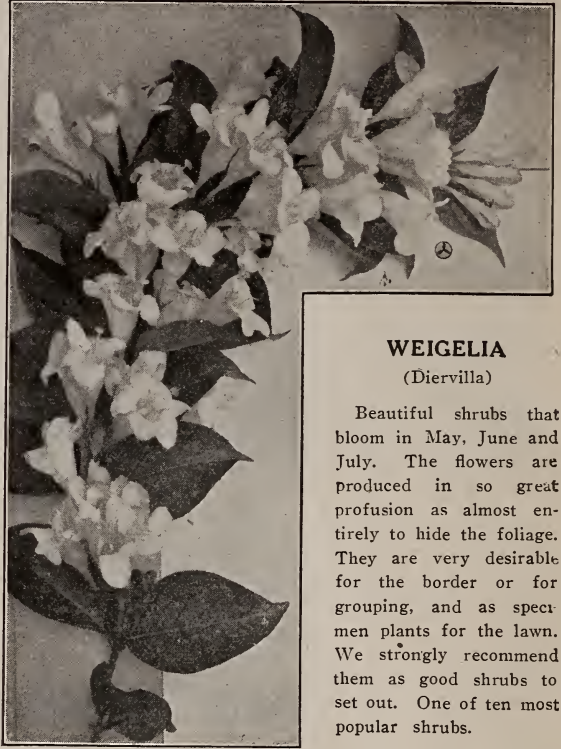
Lantana (Way-faring Tree). Medium-sized bushy shrub with large foliage. Noted on account of its silvery underlining. Flowers in May or June with ornamental red fruits later turning black in the fall. Each, 45c.

Opulus (Highbush Cranberry). A tall-growing shrub. One of the best for general planting. Leaves are broad and elegant. Flowers are pure white in clusters, followed by bright scarlet berries in the fall which in the winter are very attractive to the eye. 2 to 3 ft., each 40c; 3 to 4 ft., each 50c.

Opulus Sterilis (Common Snowball). Shrub growing to a height of 8 to 10 feet., which is covered with globular clusters of snowy-white flowers in May. Very attractive. Medium size, 35c; large size, 50c.

Plicatum (Japan Snowball). One of the finest shrubs in existence. Useful for its flowers and foliage. The beautiful plicated leaves are very attractive. Flowers are white and globular. Plant is desirable either as a specimen plant or in a border. Medium size, each 50c; large size, \$1.00.

WEIGELIA Candida. A shrub of vigorous and fine habit, with long, tubular, white flowers produced from June all through the summer. Each, 50c.



WEIGELIA
(Diervilla)

Beautiful shrubs that bloom in May, June and July. The flowers are produced in so great profusion as almost entirely to hide the foliage. They are very desirable for the border or for grouping, and as specimen plants for the lawn. We strongly recommend them as good shrubs to set out. One of ten most popular shrubs.

Rosea. A reliable and fine variety with rose-colored flowers. Shrub growing to a height of 4 to 6 feet. Flowers in June. Each, 50c.

Rosea Variegata. Dwarf habit with clearly defined silvery variegated leaves. Flowers nearly white. Each, 50c.

Eva Rathke. One of the best of the Weigelias. Plant of vigorous habit, blooming freely and having large, well-shaped crimson blossoms. Medium size, each 40c; heavy, each \$1.00.

SELECTED EVERGREEN TREES

Evergreens are attractive throughout the season and for that reason there is a growing demand for plants in tubs for decoration of the lawn or porch. We have planted our evergreens in neat, new cypress tubs, and offer them ready to place in position. If evergreens are wanted to plant directly into the lawn, we can supply them with the ball of earth and burlaped at prices considerably lower than for those in cypress tubs.

ARBOR VITÆ (Thuya). Tom Thumb. A dwarf variety with fine foliage. Hardy. 18 to 24 inch, in tub, each \$2.50.

Pyramidal. Of upright, compact, narrow, pyramidal form with bright green leaves turning to a dull brownish green in fall. Very desirable. 2 to 3 ft., each \$6.00; 3 to 4 ft., each \$8.00.

BUXUS (Boxwood). An evergreen shrub with close-growing, dark oval, shining foliage. Stands being pruned in various shapes. Does best in partially shaded locations; much used on porches for decoration.

Bush Form (in new tubs):	
8 to 10 inches.....	Each, \$1.00
1 ft.....	" 1.50
1½ ft.....	" 2.00
2 ft.....	" 4.00
3 ft.....	" 8.00
3½ ft.....	" 10.00

Pyramidal (in new green tubs):	
2 ft.....	Each, \$5.00
2½ ft.....	" 6.00
3 ft.....	" 9.00
4½ ft.....	" 11.00

ABIES Concolor (White Fir). The Concolor is the most desirable fir for planting, as it is very hardy, growing rapidly, and best able to stand heat and drouth. 1½ to 2 ft., each \$6.00; 2 to 3 ft., \$7.00.

PICEA, Englemanni (Engleman's Spruce). A very ornamental tree varying in the color of its foliage, slender of growth, spreading in habit. The leaves have a strong, aromatic odor when bruised. 1½ to 2 ft., each \$3.00; 2 to 3 ft., \$6.00.

Excelsa (Norway Spruce). Extensively planted as an ornamental tree. One of the best for wind-breaks. Is of rapid growth, graceful habit, and has dark-green foliage. 1½ to 2 ft., each \$2.50. 2 to 3 ft., \$5.00.

Kosteriana (Koster's Blue Spruce). A very handsome and hardy tree of symmetrical habit with light silvery blue foliage. Branches stout. 2 to 3 ft., each \$5.00. 3 to 4 ft., \$8.00.

RHODODENDRONS, Catawbiense Grandiflora. A native, close-growing form with handsome, dark-green foliage. Flowers are deep, rosy purple, borne in great profusion. 12 to 18 buds. Each, \$4.50.



SELECTED FRUIT TREES

Special attention is called to our selected fruit trees. They are first-grade stock, selected especially on account of their superior value for our retail trade. We have listed only a few of the better varieties, which have proved to be the most valuable. Trees, vines, and shrubs are all liable to insect and fungus attacks; the only successful way to insure good growth, flowers, and fruit is to spray and care for your plants. Plants are living organisms and require constant care in their development. Before setting out fruit trees, it is necessary to prune off all broken twigs and roots. Cut back the branches about one-half in length, making the cut about an inch outside of a bud, and cut upwards. In order to get young, transplanted stock growing well, the amount of top should be about the same as the root area. More failures of trees to grow are due to lack of pruning and inattention than to poor stock. Keep the roots covered, plant properly, and prune thoroughly for satisfactory results.

We deliver our nursery stock in good condition either to the express company or within certain districts of Chicago without additional charge. We guarantee our stock to be in good condition when delivered to the express company or your residence. If, on arrival, mistake has been made in filling your order, we should be promptly notified. Accompanying each shipment will be a copy of the certificate of inspection issued by the State Entomologist, showing the freedom of our stock from San José scale and other injurious insects and diseases.

APPLES

Summer Varieties

Select No. 1 trees, running 11-16-inch in caliper, about 5 to 7 feet in height. Each 40c; 5 for \$1.75; 10 for \$3.50.

Red Astrachan. Deep crimson. Juicy, rather acid. Very hardy, reliable bearer. Excellent apple for home use, ripening in August.

Early Harvest. An old favorite. Medium. Pale yellow, Tender, rather acid. Ripening in August.

Red June. Medium. Brilliant red. Juicy and good. An old favorite. Early.

Sops of Wine. Medium; dark crimson; juicy, subacid; good; desert apple for family use. August.

Sweet Bough. Large; pale yellow; tender, juicy, sweet; best early sweet apple; August.

Yellow Transparent. Medium; pale yellow; fragrant, of good quality; slightly subacid; a very popular variety.

Autumn Varieties

Maiden's Blush. Large; lemon yellow with pink blush; tender and juicy, subacid; desirable for cooking; August and September.

Fameuse (Snow Apple). Medium; deep crimson; tender, subacid, melting, delicious. Flesh white, of best quality. One of the best desert apples. Season, November to January.

Oldenburg (Duchess). Good sized; yellow striped with red; subacid; an excellent cooking apple; regular bearer; one of the hardiest varieties known; ripening in September.

Wealthy. Medium; bright red; juicy, vinous; good desert apple; August and September.

Winter Varieties

Baldwin. Large; bright red, crisp; juicy, subacid. Desert and cooking apple; ripening December to March.

Ben Davis. Large; heavily striped with red. A commercial variety and long keeper; ripening December to March.

Gano. An improved Ben Davis, Beautiful deep red; December to March.

Grime's Golden. Large, golden yellow; juicy, aromatic sub-acid. Desert apple of highest quality; season, middle of October to middle of December.

APPLES, Winter Varieties

Jonathan. Medium; brilliant red and yellow; tender, juicy and rich; one of the best for table or market; season, November to January.

Mc Intosh Red. Of good size; bright deep red; flesh very tender and aromatic; delicious; a desert apple ripening from October to December.

Delicious. Large; beautiful brilliant dark red blending to golden yellow at blossom end; flesh fine-grained, crisp, juicy, melting; a desert apple of highest quality; season, December to March. Famous in the Western apple sections.

Northern Spy. Large, striped red; tender, juicy, mild; a very good desert and cooking apple; season, November to June.

Northwestern Greening. Large, green, a fine grade; rich, subacid; a long keeper.

Rome Beauty. Large; yellow striped with bright red; tender; sprightly subacid; desert and cooking apple; ripening December to February.

Salome. Large; reddish stripes over greenish-yellow body; very high quality; a long keeper; hardy; November to March.

Tolman's Sweet. Medium; an attractive yellow apple; moderately juicy; decidedly sweet; a good cooking and baking apple, November to March.

Winesap. Medium; dark red; flesh yellow tinged with red; very juicy, first quality desert apple; December to march.

CRABAPPLES

Each 50c; 10 for \$4.00.

Crab Apples make fine, ornamental trees, are hardy, grow in almost any kind of soil, regular bearers, and fruit is unequalled for jelly or preserves.

Hyslop. Large; brilliant dark red; very showy; juicy and astringent when first ripe; season, September and October.

Martha. A clear yellow, crisp, juicy and brisk subacid; one of the best because of its high cooking qualities, and enormous yields; September to November.

Whitney. Large; averaging about 2 inches in diameter; yellow striped with red; crisp, mildly subacid or nearly sweet; a desert and cooking apple; heavy cropper; season, August and early September.

CHERRIES

Cherries may be divided into two groups; the Morello or sour cherries and the Hearts or Sweet cherries. The latter have soft, tender flesh and are usually dark colored. Cherries do not do well on damp, soggy soils, and require very little pruning.

Heavy selected No. 1 trees, 11-16-inch caliper; about 5 to 7 feet high for the sweet varieties and 4 to 5 feet for the sour varieties. Each 50c; 5 for \$2.25; 10 for \$4.00.

Sour Cherries

Early Richmond. Medium size, dark red, juicy; rich acid flavor; stone adheres to the stem. The old standard; one of the most valuable of sour cherries. June. 1½-inch caliper 75c.

Dyehouse. Similar to Early Richmond but several days earlier. June.

Montmorency. Larger and finer than Early Richmond and one of the best flavored cherries. Strong, hardy tree, rapid grower, heavy cropper. Ripens a week or ten days later than Richmond. One of the best varieties. Late June.

Ostheimer. Large, heart-shaped, dark red fruit; dwarfish growth; fine for desert and cooking; trees early bearers; one of the most productive. August.

Sweet Cherries

Black Tartarian. Large, purplish-black fruits. One of the best, ripening late June.

Windsor. Large, liver-colored; very firm; very good. Valuable variety for the market or home use; hardy; season, July.

PEACHES

One of the most delicious of our Summer fruits. The Peach requires a well drained moderately rich soil, which should be kept clean and mellow about the roots. When first planted, all side branches should be cut back to within ½ or ¼ of an inch of the main trunk. The fruit is borne on wood of the previous season's growth and twigs should be cut back about one-half each Spring, 4 to 5 ft. trees, each 35c; 10 for \$3.00.

Barnard's Yellow Rare-Ripe. Medium size; yellow with dark red cheek; flesh yellow; juicy, sweet and rich; Early September.

Carman. Large, resembling the Elberta. Creamy yellow with deep blush; skin very tough, flesh tender; fine flavor and quite juicy; one of the hardiest; ripens two to three weeks before the Elberta. August.

Champion. Large, handsome, creamy white with red cheek, sweet, rich and juicy; the best and hardiest white peach. August.

Elberta. Large, yellow with red cheek; juicy, well flavored; prolific, hardy, sure bearer; leading market variety; finest yellow free stone. September.

Old Mixon. Large, pale yellow; deep red cheek; white flesh; tender and rich; September.

Smock. One of the old standard peaches; very productive; late September.

Yellow St. John. Large, early, yellow free stone; fine color and flavor, showy fruit, fine desert peach; tree bears while small. August.

PEARS

Pear trees will grow in almost any good soil. Thrives best in rather heavy clay or loam. All blighted twigs should be cut from tree as soon as they appear. Spraying is recommended for Pears.

Standard Pears: Heavy No. 1 stock, ¾-inch caliper; about 5 to 6 ft., each 60c; 5 for \$2.75; 10 for \$5.00. (except where noted).

Summer Pears

Bartlett. Large, waxen yellow with red blush; juicy, buttery, with a rich musky flavor; very popular; August and September.

Clapp's Favorite. Very large and handsome. Yellow and crimson; juicy and delicious; ripens before Bartlett. Should be picked about ten days before it would ripen on tree. August.

Winter Pear

Lawrence. Medium to large; golden yellow, melting pleasant aromatic; early Winter pear; tree hardy, heavy cropper; November and December.

Autumn Pears

Flemish Beauty. Large; yellow and russet; juicy, melting, sweet; a very popular old variety of exceptionally good quality; September and October. Dwarf plants, each 50c.

Garber. Earlier and larger than Kieffer. Tree is hardy; fruit of better quality. Does not keep as long. Should be planted with Kieffer as a pollinizer; September and October.

Kieffer. Large sized, handsome; remarkable keeping qualities; slightly coarse flesh; juicy; excellent for cooking; one of the most profitable and sure bearers; September to January.

Seckel. A small russet pear of highest flavor; juicy, melting and buttery; September, October.

Duchess D'Angouleme. Greenish yellow splashed with russet; flesh white; rich flavored; recommended for the home garden. Dwarf, each 50c.

PLUMS

Plums thrive on all soils but give the best results when grown in deep, well-prepared loam. Fruit and trees are subject to many diseases and the trees should be thoroughly sprayed with Bordeaux Mixture each year. It is advisable to thin the fruit for the best crop.

Heavy, No. 1 stock, about 5 to 7 feet in height, each 60c; 10 for \$5.00.

Japanese Plums

Abundance. A beautiful lemon yellow overspread with bright cherry. Large to very large; oblong, tapering to the point; flesh orange yellow; rich and highly perfumed; abundant and annual bearer; highly recommended; August.

Burbank. Large, clear cherry red; flesh deep yellow; very sweet; a peculiar and agreeable flavor; tree usually bears second year after transplanting; later than Abundance; end of August.

Satsuma. Large, globular, with sharp point; color purple and red; flesh firm, juicy, dark red or blood color. Fine quality; will keep one to three weeks after picking; August.

Red June. Medium; roundish; purplish red, yellow flesh; good quality; early August.

European Plums

Lombard. Medium; oval, dark red; flesh yellow; pleasant flavor; adheres to the stone; very productive, late August.

Shropshire Damson. Dark purple; of large size; very popular for preserving; October.

German Prune. Large, long oval, purple firm flesh; sweet; flesh separating from stone; September.

Native Plums

Desoto. Medium size; yellow, marbled red; very hardy, abundant and sure yielder; September.

Wild Goose. Fruit, medium, dark red, sure bearer of excellent quality.

Green Gage. An excellent variety for canning.

CURRANTS

Currants are perfectly hardy and may be planted in spring or fall. They succeed well in a cool, moist soil, and should be planted about 4 ft. apart and well cultivated. The currant worm can be controlled by applications of Hellebore and the old non-productive wood should be kept pruned out. Heavy 2-year-old plants, each 15c (except Perfection), 3 for 40c; 10 for \$1.25.

Black Champion. Produces large crops of excellent fruit.

Cherry. Fruit of the largest size; deep red; rather acid; short bunches; strong, erect grower.

Perfection. Beautiful bright red berries of large size; quality rich, mild, subacid; having plenty of pulp and few seeds. Awarded Gold Medal by The Western New York Horticultural Society: One of the most productive of currants. Each 30c; 3 for 75c; 10 for \$2.25.

Victoria. An erect growing variety; very productive; with large handsome clusters of bright red fruits; late season variety.

White Grape. Very large, yellowish-white sweet currant; excellent quality; valuable for the table; finest of the white varieties.

Wilder. Red with large fine-flavored fruit; of bright attractive color; productive and long keeping.

North Star. Red; hardy; good quality; bush is a strong grower.

GOOSEBERRIES

2-yea.-old. each 25c; 10 for \$2.00.

- Downing.** Whitish green; vigorous and prolific; of splendid quality for desserts or cooking; fine for general culture.
- Houghton.** Medium pale red berries; tender and good; very productive and vigorous.
- Red Jacket (Josselyn).** Large smooth berries of good flavor; fruit bright red. The best large variety to plant.
- Industry.** Fruits large, oval, dark red; best English variety for our climate; quality is good. Each 35c.

GRAPES

There is scarcely a gardener either in the city or country who does not want to plant a few grape vines. They grow readily in most soils but a little extra attention as to the soil, pruning and cultivation they receive will result in a better quality of fruit. No part of the fruit garden yields a richer harvest than the vineyard. Set them 8 feet apart. 2-year old plants each 20c; 10 for \$1.50, except as noted.

Black or Purple Grapes

- Campbell's Early.** A fine new Grape. Large compact handsome clusters, with large nearly round black berries; flesh firm but tender; seeds few; quality rich and sweet; strong vigorous grower. Each 50c.
- Concord.** One of the best known grapes. Large clusters of round, black berries; flesh moderately juicy; sweet pulp; quite tender when fully ripe; September.
- Moore's Early.** Clusters of medium size; berries large with blue bloom; of better quality than the Concord; desirable because of its earliness.
- Worden.** Splendid Grape of the Concord type but 10 days earlier and superior to it in flavor; hardy and healthy; should be widely planted.

Red or Amber Grapes

- Brighton.** Large handsome bunches of the best quality; berries medium; of good flavor. An excellent early grape.
- Delaware.** Bunches and berries small; compactly set; light red; flesh very juicy, sweet, spicy and delicious; a much prized variety.
- Regal.** One of the hardiest red grapes known. Bunch of good size, compact and handsome; berries large, persistent, dark red and juicy, with a thin skin; a heavy annual bearer. Each 40c.
- Salem.** Bunches and berries large; coppery red; flesh tender; juicy; with slight pulp of the very best quality. Ripens with Concord. Each 30c.

White Grapes

- Diamond.** Bunch large and compact; color greenish white with a yellow tinge when fully ripe; flesh juicy; almost without pulp; quality very good; early.
- Niagara.** Bunch medium; with large berry which is slightly pulpy; tender and sweet; ripens with Concord; probably the most valuable white grape in cultivation.
- Pocklington.** Bunch and berries large; light golden yellow when fully ripe; juicy; tender; sweet, with little pulp; thoroughly hardy and healthy; bears well in favorable seasons; ripens after Concord.

BLACKBERRIES

For garden culture, plant 4 feet apart in rows 5 feet apart. Pinch back the canes when 4 or 5 feet high and allow but three canes to hill. Each 10c; 10 for 65c; 100 for \$5.00.

- Early Harvest.** A very early productive variety with sweet, medium sized berries; two weeks earlier than the Snyder.
- Eldorado.** Vines are very hardy and vigorous. Perhaps the best variety ever introduced. Produces enormous crops of very large jet-black fruit which is sweet and melting; will keep well after picking.
- Erie.** Fruit very large; excellent quality. very hardy; early and productive.
- Mersereau.** A strong grower; claimed to be the hardiest blackberry. An enormous producer of extra sized berries which are black and retain their color. Of extra quality sweet, rich and melting. Without core. Ripens early.
- Snyder.** A hardy, well-known variety; berries of medium size, sweet and melting; producing in profusion; early.

RASPBERRIES

Plant 3 feet apart in a row and keep vines growing in good condition. Old wood must be cut away as soon as it has fruited to give vigor to young canes. Strong plants (except as noted), each, 10c; 10 for 65c; 100 for \$5.00.

Purple Caps

- Columbian.** A new variety of great promise; vigorous growing and very hardy. Delicious for table or canning. 10c each; 10 for 80c.
- Cuthbert.** A superb old variety producing large crops of large conical deep berries which are sweet; high-flavored; a certain cropper; season, medium to late.

Black Caps

- These Raspberries can only be planted in the Spring, and the young canes should be pinched back when about 2 feet high to keep the bushes snug and compact.
- Cumberland.** A large glossy berry ripening in mid-season. Of good quality, hardy and productive; among the best.
- Gregg.** A very showy berry produced in great abundance.
- Plum Farmer.** Large, very attractive berries; thick meated and firm; very attractive when picked for table. Worthy of trial in the home garden. Each 15c; 10 for \$1.25.
- Kansas.** A valuable second-early variety which stands cold and drought well yet bears heavy crops; berries are large, firm and of the best quality.
- Golden Queen.** Large beautiful fruits of pale amber color; firm and delicious; fine either for home use or shipping; a superior desert fruit. Each 15c; 10 for \$1.25.

STRAWBERRIES

Early spring is the best time for setting out. The plants are set 12 to 18 inches apart in rows; 2½ feet between rows. At the end of the season they will have formed narrow rows of plants. This system will produce more and better berries than where the rows are thickly matted together. A mulch of leaves or straw is to be applied after the ground freezes in winter; the covering should be removed before growth starts in the spring. Varieties marked "P" have imperfect flowers, and to produce well must be planted close to plants having perfect flowers.

- Field-grown plants, 10 for 30c; 50 for 85c; 100, \$1.50.
- Aroma.** One of the most popular late market varieties; a good bearer of large, uniform, bright glossy red fruit. A choice variety; reliable.
- Brandywine.** Berries very large; broadly heart-shaped; bright red in the center; firm flesh, of fine flavor; a late berry.
- Chesapeake.** A new variety of high quality; one of the largest and most prolific grown; color is dark red; firm and of high quality; without green tips. Its immense size makes it easy to pick.
- Climax.** A second early variety; very productive, and has a long season.
- Excelsior.** One of the earliest berries grown. Has been on the market for twenty years and still recommended as an early variety. Medium sized, dark red to the core; of good flavor.
- Glen Mary.** Vigorous and prolific; berries flattened; dark color; flesh light red; moderately firm, of good quality.
- Sample (P).** A variety doing well on nearly all soils; yields large crops of uniformly large fine berries; pointed, conical; scarlet; firm flesh and fair quality; mid-season to late.
- Senator Dunlap.** One of the best flavored berries; fruit of good size, regular form, beautiful bright red; firm, splendid keeper; one of the best for canning; ripens early.
- Warfield (P).** Early; productive; vigorous; an excellent variety.
- Wm. Belt.** Berries large, conical, rather long, bright red, glossy, quality good, moderately firm; plants vigorous, healthy and quite prolific.

Everbearing Strawberries

The fall or everbearing strawberries are no longer an experiment. Their culture is not difficult as they require the same treatment as other strawberries except that the blossoms should be removed to the middle or last of June. 10, \$1.00; 50, \$2.50.

- Americanus.** Berries of good quality; light red; heart-shaped; ripens in early June until ground freezes.
- Superb.** One of the largest and finest of fall-bearing strawberries; rich dark color; glossy and attractive; fine flavor.

Ornamental Deciduous Trees

In the following list are included only those varieties which are the most desirable and in the sizes most popular with our trade. If smaller stock than that which is offered is desired, or specimen trees are wished, of any variety, our close touch with the nurserymen of the country will enable us to secure at favorable prices stocks which we have not ourselves. **Prices below include packing and delivery to railroad depot or express office in Chicago, free of charge.**

We shall be pleased to help any who desire more full information about the varieties than we are able to give below. In writing us, kindly state just what you wish or the object to be attained in planting. We will then be pleased to give the matter our careful attention.

Your success in planting Ornamental Trees will depend largely upon the care and attention which is given them. The following suggestions from the pen of an expert horticulturist and clever writer are worthy of careful study:

"Plant same as fruit trees, except that larger holes should be dug to accommodate the roots. The ground should be pressed down firmly over the roots with the foot. Two-thirds of the tops should be cut off on all ornamental trees, except Cut-leaved Birch and Horse Chestnuts, which should not be headed in."

"Care should be taken to prune the tops so that the trees will make a well-balanced, uniform top. The forming of the crown is regulated entirely by the pruning. On some kinds of trees it may be necessary to tie the tree to a strong stake to hold it firmly in its place. Wrap the trunks of Maples with building paper, four or five feet from the ground up, to keep out borers."

In regard to watering—It is a mistake to give trees a slight watering each day, or to apply a hose to the trunk and let it run for several hours at night. The fibrous roots or feeders which take up the moisture are located away from the trunk at a distance equal to the length of its branches, and the water should be applied to these feeding roots. During June, July, and August the young trees should be given at least one, in some cases two, thorough waterings each week, using water enough to wet the soil thoroughly for a depth of a foot or two. It is also well to cultivate the ground for a distance of three feet around the trunk of the tree for the first two or three years. Loosen up the top soil with a hoe, spade or rake to keep it free of weeds and grass.

ALIANTHUS (Tree of Heaven). A rapidly growing tree which does well in poor soils, particularly sand. It is free from insect enemies, but has a bright, fresh foliage which remains green throughout the late summer, when many trees become ragged and unsightly. The matured leaf is often three feet long, with many pairs of leaflets and a terminal leaflet. 6 to 8 ft., each 75c; 10 to 12 ft., \$1.75.

ALDER, European or Common. A medium-sized, neat tree of about forty feet, with dark, wedge-shaped foliage. Makes quick growth, especially in moist situations. 8 to 10 ft., each 75c.

ARALIA Spinosa (Hercules Club). An aromatic tree with straight, wide-spreading branches. Prefers a deep, moist soil. The leaves are the largest produced by any tree. Leaflets are often two or three inches long, which in autumn turn to a bronze-red touched with yellow. Flowers are creamy white and appear in great loose clusters. It is especially attractive, as the flowers appear in August after most of the other trees are through blooming. 6 to 8 ft., each \$1.00.

ASH, American White. A graceful tree having a round head of great beauty when grown alone. Grows rapidly. Prefers rich, moist soil, and is particularly desirable for street planting as trees are of medium width. 8 to 10 ft., each 75c; 10 to 12 ft., each \$1.50; 2½-inch caliper, \$3.00.

GREEN ASH. Tree of medium size with handsome foliage bright green on both sides. Is recommended for a street and park tree. 8 to 10 ft., each \$1.00; 1¾ to 2 in. caliper, each \$2.50.

MOUNTAIN ASH, European. White flowers in the spring, followed by large clusters of red berries in the fall which hang on into the winter. A delightfully decorative tree for the lawn. 8 to 10 ft., each \$1.25.

MOUNTAIN ASH, Oak-Leaved. Of the same habit with dark, lobed leaves. 6 to 8 ft., each \$1.00.

BEECH, Blood-leaved. A very attractive ornamental tree for the lawn on account of its attractiveness and the color of its foliage during the season. 4 to 5 ft., each \$2.25; 6 to 8 ft., \$3.50; selected trees, each \$8.00.

BIRCH, White. Native Birch with drooping, graceful branches. Very attractive. 6 to 8 ft., each 60c; 8 to 10 ft., \$1.25.

CRAB, Bechtel's Double Flowering. Of medium growth with flowers of immense size and beautiful pink color; suggesting fragrant double pink roses. ¾-ft., each \$1.00; 4.5 ft., \$1.50; 5-6 ft., \$2.50.

Atrosanginea. A very showy small tree prized for its rose-red flowers which appear with the leaves, and are produced in great abundance. One of the best early flowering trees. Each \$1.00.

Parkmanni, Parkmann's Double Flowering. A dwarf Japanese variety having numerous semi-double rose-colored flowers which are borne on long slender stems which droop in graceful fashion. Each, \$1.00.



AMERICAN ELM

ELM. The favorite tree for street planting or for shade about the home. Graceful in habit, with a straight trunk and spreading head. Leaves and twigs are delicate, no less so in winter than summer. 8 to 10 ft., each 65c; 10 to 12 ft., each \$1.25; 2 to 2½ inch caliper, each \$3.50; 3 to 4 inch caliper, \$5.00.

Ornamental Deciduous Trees---Continued

CATAPLA Bungei. Curious, umbrella-shaped tree, desirable where formal effects are desired. Foliage large and glossy. Dwarf habit. Flourishes in most all soils and climates. While of dwarf habit, we can supply these grafted on stems 6 to 8 ft. high. 2-yr.-old, each \$2.00; 3-yr.-old., each \$4.00.

CATALPA Speciosa (Western Catalpa). A hardy tree with broad, heart-shaped foliage. Blooms in June, bearing handsome clusters of white flowers. It is particularly suitable for streets when planted thirty feet apart. 4 to 6 ft., each 25c; 10 to 12 ft., each \$1.00; 2 to 2½ in. caliper, each \$3.00.

CHERRY, Wild Black. Unusually rapid grower. Very ornamental and when in bloom a grand sight. Flowers sweet-scented. 6 to 8 ft., each 75c.

CERASUS (Double White Flowering Cherry). A small tree. Branches completely covered with a host of double, white flowers in May. 6 to 8 ft., each \$2.00.

GINKGO (Maiden Hair Tree). Curious Maiden-hair-like foliage. This tree is immune from insects. Ornamental on public grounds, lawns or in street planting. 6 to 8 ft., each \$1.00; 8 to 10 ft., \$1.75.

HACKBERRY (Celtis Occidentalis). A large tree with a slender trunk. Prefers rich, moist soil. Grows rapidly. Is shapely. Leaves bright green during most of the summer, in autumn turning a light yellow. Fine street tree. 8 to 10 ft., each \$1.25; 10 to 12 ft., each \$1.75.

HORSE CHESTNUT. White flowering. A large tree, very showy when in flower, its chief value is as a shade tree on streets and lawns. Blooms in May. Hardy. 5 to 6 ft., each 80c; 2½ to 3 inch \$4.00.

OHIO BUCKEYE. A large spreading tree with spreading branches. Showy yellow flowers in May. Rapid grower. 5 to 6 ft., each \$1.50.

JUDAS TREE (Red Bud). A small tree of great beauty especially in early Spring when the twigs are almost covered with rose-pink blossoms. Leaves heart-shaped with glossy surface. 5 ft., each 75c.

LINDEN (American) or Basswood. A large tree with broad, rounded crown. Large heart-shaped dark green leaves, flowers creamy white. Suitable for street or lawn planting. Fragrant and very attractive to bees. 6 to 8 ft., \$1.00; 1¼ to 1½-inch caliper \$2.00

MAGNOLIA Acuminata (Cucumber Tree). A tall pyramidal tree with large oval, bright green leaves. Flowers appearing in May and June, are greenish yellow, 2 to 3 inches long, with upright petals followed by cucumber-like pink fruits 3 to 4 inches long. Each, \$2.50.

MAGNOLIA Soulangeana. Blooms in May before the leaves appear. Flowers large, cup-shaped, white, suffused with pink. Fragrant. Very hardy and showy. Each, \$2.50.

Ash Leaved (Box Elder). Not recommended for city.

Norway. A large, handsome tree with spreading branches.

Maple This is a valuable family of trees. Maples are among the finest shade trees, beautiful in foliage, free from diseases, and adapted to all soils,—merits which make them universally popular.

ASH LEAVED (Box Elder). Not recommended for city planting by Chicago Forester.

NORWAY. A large, handsome tree with spreading branches and broad, deep-green foliage; very compact growth, rendering it one of the most desirable varieties for the street, park or lawn. Perfectly hardy. 6 to 8 ft., each 80c; 8 to 10 ft., each, \$1.25; 1¼ to 2-inch caliper \$3.50.

Purple Norway Maple. Schwedlerii. Young leaves crimson in Spring, changing to purplish green with age. 6 to 8 ft., each \$1.25; 8 to 10 ft., each \$2.50.

Sugar Maple. An excellent street and shade tree of upright, dense growth, turning bright yellow and scarlet in the Autumn. It does well in most every soil. Slow grower, hardy, permanent. 8 to 10 ft., each \$1.25; 1½-inch caliper, \$2.25.

Weir's Cut-Leaved Maple. A rapid growing Maple with beautiful deep cut foliage borne upon drooping branches. A handsome lawn tree. 8 to 10 ft., each \$1.00; 10 to 12 ft., each \$1.50; specimen trees, 3-inch caliper, 3.50.

MULBERRY. A low, dense-headed tree, rapid growing, with handsome bright green leaves. Fruits are long, sweet and edible. Attractive to the birds. 6 to 8 ft., 75c.

Poplar Poplars are rapid growing trees, which thrive best in damp situations, although they succeed in any soil. They are well adapted for screens or street planting.

Balm of Gilead. Of remarkably rapid and luxuriant growth, with large glossy foliage and peculiar resinous buds. 8 to 10 ft., each 50c; 1½-inch caliper \$1.00

Carolina. A very distinct tree, growing symmetrical in form, with a large spreading head. Rapid grower, being used largely for screens, hedges or street where quick results are desired. 8 to 10 ft., each 50c; 10 to 12 ft., each 75. 2 inch trees, \$1.25; 2½ inch, \$1.75; 3 inch, \$2.50; 3½ inch, \$3.50.

Lombardy. A well-known tree remarkable for its erect, rapid and picturesque growth. 8 to 10 ft., each 50c; 10 to 12 ft., each 75c.

OAK, White. A beautiful park tree with large, stout, spreading branches forming a broad open head, light gray bark. foliage assumes deep violet purple in Autumn. 6 to 8 ft., each \$1.75; 1¼ to 2-inch caliper \$5.00.

SYCAMORE OR PLANE. (Buttonwood). A native tree of majestic size. Its gray-white bark makes it conspicuous in Winter. Good for street planting, also for shade. 6 to 8 ft., 75c; 10 to 12 ft., each \$1.25; 1½ to 1¾-inch caliper \$2.25.

STRAWBERRY TREE. Cork-barked. A small erect tree, with peculiar cork-like bark. Leaves bright green with beautiful Autumn coloring and scarlet seed coats. 1½ to 2 ft., each \$1.00; 3 ft., each \$1.50.

BURNING BUSH. A large tree with light green leaves, 2 to 4 inches long, turning pale yellow in Autumn. The fruits are very deeply lobed with scarlet seed covers. 3 to 4 ft., each 50c.

Thorn The Hawthorns are a group of native plants which are attractive for their foliage, flowers and fruits.

Cockspur Thorn. Long thorns, glossy dark green leaves, white flowers with red fruits hanging on well into Winter. 3 to 4 ft., \$1.25.

Paul's Double Scarlet Thorn. The best of its class. Large bright scarlet flowers, very double. 3 to 4 ft., 85c; 4 to 5 ft., \$1.00.

TULIP TREE (Liriodendron). A rapid growing tree especially fine for street or lawn planting on account of handsome dark green glossy foliage and beautiful tulip shaped flowers. Grows best in deep, rich soil. 6 to 8 ft., each 75c; 10 to 12 ft., each \$2.50.

Willow A very showy tree especially in the Spring when the bright golden yellow bark is most conspicuous.

Golden Barked. Its yellow bark makes this tree conspicuous in Winter. 6 to 8 ft., each 50c.

Laurel Leaved. Leaves dark glossy green, highly ornamental, and when bruised having the odor of bay tree. 6 to 8 ft., 60c; 8 to 10 ft., each \$1.00.

Trees of Drooping Habit

ASH, Weeping Mountaim. Covered from July until Winter with bright red berries. 2-year heads, each \$1.50.

BIRCH, Weeping Cut-Leaf. The most popular of all pendulous trees. Silvery white bark. 6 to 8 ft., each \$1.50.

ELM, Camperdown. Tree covered with a canopy of green leaves. 2-year heads, each \$1.75.

MULBERRY, Tea's Weeping. Makes a beautiful umbrella-shaped head. 2-year heads, each \$1.50; 3-year heads, each \$2.50.

WISCONSIN WEEPING WILLOW. Similar to, but much hardier than Babylonica. 6 to 8 ft., each 60c; 8 to 10 ft., 80c.

LAWN MOWERS AND LAWN SUPPLIES

All Goods on this Page Are Forwarded by Express or Freight at Buyer's Expense.

Philadelphia Lawn Mower.

The genuine "Philadelphia" is recognized as the standard Lawn Mower. It is guaranteed against imperfections and warranted to give entire satisfaction. We carry a large line, but list here only the more popular styles. Full descriptive and illustrated circular on request.

STYLE A. Width of cut, 15, 17, 19, and 21 inches. Made entirely of steel. Light in weight and draft; has long and large bearings. A durable and satisfactory mower for hne work. 10-inch drive-wheel, enabling it to cut high grass. 4 blades, double ratchet.

STYLE K. Width of cut, 14, 16, 18 and 20 inches. This is a popular medium-priced machine. Will cut high grass; light running; does smooth and fine work. 10-inch wheels. 5 blades. Also made of roller bearings at an advanced price.

ALL-DAY MOWER. Width of cut, 14, 16, and 18 inches. Superior to other low-priced mowers. It is mechanically proportioned, runs light, and does fine work. Thousands now in use. 10-inch wheels; 4 blades.



Prices for 1914

Style A and Golf		All-Day Mower	
15 in.....	\$10.25	14 in.....	\$ 4.35
17 in.....	11.50	16 in.....	4.85
19 in.....	12.75	18 in.....	5.35
21 in.....	14.00		
Style K		Graham Mower All Steel	
14 in.....	\$ 6.15	15 in.....	\$12.25
16 in.....	6.80	17 in.....	14.00
18 in.....	7.40	19 in.....	15.50
20 in.....	8.00	21 in.....	17.50
Styles T, M, and C		Styles T, M, and C	
10 in.....	\$ 4.00	16 in.....	\$ 6.15
12 in.....	4.60	18 in.....	6.50
14 in.....	5.25	20 in.....	6.75

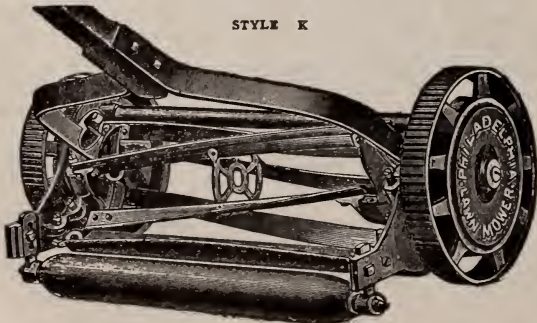
GRAHAM MOWER. Width of cut, 15, 17, 19, and 21 inches. All steel; the highest achievement in lawn mowers. 10-inch drive-wheel; 4 blades; 6½-inch cylinder. Train of gears on both sides. Removable box-caps to take cylinder out for sharpening.

HORSE MOWERS. We have four different styles of Horse mowers. Ask for special circular and prices.

PHILADELPHIA GRASS COLLECTOR. This is a substantial, well-made catcher with galvanized iron bottom and never-rip cloth connections. Made in various sizes for Philadelphia Mowers. Low wheel: 10-in., \$1.40; 12-in., \$1.50; 14-in., \$1.60; 16-in., \$1.70; 18-in., \$1.80; 20-in., \$1.90. High-wheel: 15-in., \$1.70; 17-in., \$1.80; 19-in., \$1.90; 21-in., \$2.00.

PHILADELPHIA LAWN TRIMMER. Each, \$5.00.

LAWN MOWER REPAIRS. We carry a large stock of extra parts for the Philadelphia Lawn Mower, and can give you prompt service. We employ an expert to repair and sharpen mowers. Prices reasonable.



HOSE. Barnard's Greenhouse. (16). A select grade of Molded, non-kinkable hose. Made of the finest quality rubber. It is guaranteed against defects during the season. We can supply in any length. ¾-in., 25-ft., \$4.50; 50-ft., \$9.00; in longer lengths, per ft., 17c.

Revero ¾-in. non-kinkable hose. Any length, per foot, 18c. Couplings included with lengths of 25 ft. or over.

HOSE REELS. All iron; capacity 100 feet ¾-inch hose. Each \$2.75. Capacity, 150 feet. Each \$3.00.

HOSE CLAMPS, Bulldog (9). Strong; reliable, ¾-inch, each 5c. Dozen 50c.

HOSE STRAPS, Caldwell Used in fastening coupler on hose. Doz. 15c.

HOSE COUPLINGS, Nickeled (8). ¾-inch, per pair, 25c. The Snap (18 and 19). Best on the market. ¾-inch hose, each 15c; per pair 30c.

Snap Washers. ¾-inch. each 3c.

HOSE WASHERS. ¾-inch, per doz., 10c.

HOSE MENDERS Iron (17). ¾-inch, each 5c; doz., 50c. Wood (7). ¾-inch. Two for 5c; doz., 15c.

HOSE NOZZLES, Boston (4). An all-round nozzle for garden or lawn use. Can be adjusted to throw a solid stream or a fine mist by simply turning. For ¾-inch hose, each 50c.

Rose Spray, Brass (2). For ¾-inch hose. Used for watering lawn and garden. 3-inch, each 55c; 4-inch 60c.

Lawn Roller

These Rollers are electrically welded—no rivets are used. The drum cannot possibly leak. When filled with sand they weigh 50 per cent. more than when water is used. is used.

No.	Diam. Inches	Length Inches	Sec-tions	Weight Empty	Filled Water	Price
WB 3	14	20	1	60	200	\$10.00
WB 5	18	24	1	75	300	13.00
WB 7	24	24	1	125	500	17.00
WB 9	24	32	1	140	650	19.00
WB 11	18	24	2	100	300	18.00
WB 13	24	32	2	170	650	24.00
WB 15	24	24	2	125	500	22.00

Sprinklers for Lawns, Etc.

All Sprinklers have connections for ¾-inch hose.

Blake or Butterfly (5). Much used in Chicago parks. The spray is formed by a jet of water playing upon a revolving spoon. Very efficient and durable. **Blake**, for attaching direct to hose, each 30c. **Busy (1).** 7 inches tall on sled, each 60c.

Garden City (6). 13 inches tall on sled, each 80c.

Hartford. This Sprinkler is made in four heights: 2ft., 75c; 4 feet, 85c; 6 feet, \$1.00; 8 feet \$1.25.

Elgin (12). An efficient rotary sprinkler with no back pressure on the hose. Never out of order. Each 65c.

Evanston (13). Similar to the Elgin. Each 40c.

C. B. G. (14) Cheap but good. Each 25c.

Ring (15). Each 75c.

GARDEN SUNDRIES



Prices Given Do Not Include Prepaying of Charges Except Where Noted

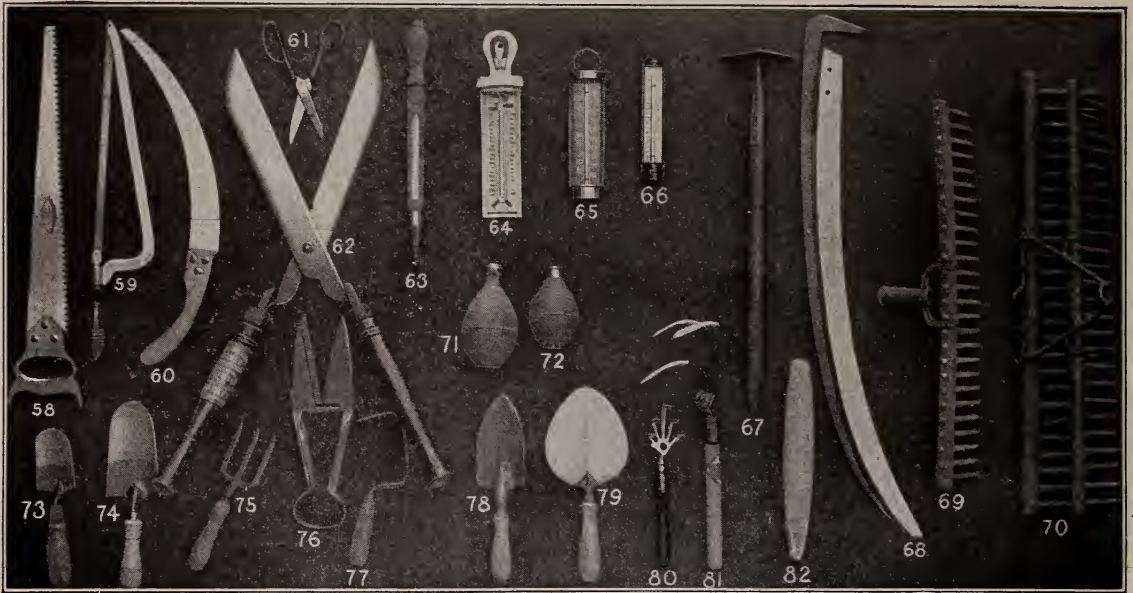
APRONS, Rubber. For protecting clothing when working or sprinkling. Light, single coated, each 75c. Medium, double coated, larger, each \$1.75.
ASPARAGUS BUNCHER. No. 1 and No. 4 \$2.50.
ASPARAGUS KNIVES (38). Imported, each \$1.50.
 American. (37). With V-shaped edge. Each, 50c.

Bellows and Dusters

American Powder Bellows (53). 20 inches long, 5½ inches wide, holds 4 ounces of powder; each \$1.00. 24 inches long, 7½ inches wide, holds 8 ounces; each, \$1.25. Extra heads, each 50c.
Dickey Duster. (57). For applying Bug Death. 25c.
Jumbo Duster. Holds 4 ounces. Each 25c.
Slug-Shot Duster (50) A shaker for applying Slug Shot, Bug Death, etc. ½ gallon, each 35c. 1 gallon 50c.
Acre-an-Hour Duster (51). Has holes perforated in the side to spread powder by twisting motion. Can be regulated with slide. Each 75c.
Dry Powder Duster. A serviceable article, each 75c.
CORN HUSKING PINS (98). Each 15c.
CORN KNIFE (54). Each 50c.
CORN PLANTER (Hand). Eagle. Each \$1.35.
DIBBER (22). For transplanting; steel point. Each 30c.
FORKS. 4 light angular tines. Each 85c. 4 extra heavy, angular tines, strap ferrule, each \$1.25.
FORKS (Spading). 4 light angular tines. Each 85c. 4 extra heavy, angular tines, strap ferrule, each \$1.25.
FRUITPICKER, Kee's (52). A handy device for picking specimen fruits. Each 75c.
GARDEN LINE (21). 100 ft., of the best braided hemp. 50c.
GARDEN LINE REEL (20). Malleable Iron. Small size 60c. Large 75c.
GRAFTING WAX (109). ¼-lb. bar, each 12c; ½-lb. 20c; 1-lb. 35c.
GLASS, Hotbed. 8 x 10, per box (90 panes), each \$4.00; 10 x 12, per box (60 panes), each \$4.00. Per pane, either size, each 10c; dozen \$1.00.
GLAZING POINTS, Peerless. For repairing hot-bed sash, per M. 70c.
GLASS CUTTER AND GLAZING TOOL (23). Each 10c.
GLAZING PUTTY. Twenlow's Old English. Gallon \$1.80.
PUTTY BULB for applying liquid putty (49). Each 85c.
GRASS HOOKS or Sickles (34). English. riveted back. No. 0, each 50c; No. 1, 55c; No. 2, 60c; No. 3, 65c.
GOOSEBERRY PRUNER. Handy to remove dead canes from gooseberries, raspberries, etc. Each \$1.00.

GARDEN HOES. Imported Dutch Scuffle (36). 6-inch, each 60c; 7-inch 65c; 8-inch 70c; 10-inch 85c.
American Scuffle. 8-inch; 6-ft. handle, each \$1.00.
Garden (84). Especially high-grade, razor steel blade, each 75c. Solid Socket, cast steel, each 60c.
Ladies' Hoe. 5-inch blade, each 50c.
Boy's Hoe. 6-inch blade, each 55c. 7½-inch polished blade, riveted shank, each 25c.
Warren. V-shaped blade, each 70c.
Weeding Hoe (83). Each 25c.
Potato Hooks (87). 4-tine, each 60c; 5-tine, 75c.
Norcross Cultivator. A very handy tool. 5-prong, each 75c; 3-prong, 50c. Midget (81), each 25c.
HOE HANDLES. Each 20c. Rake handles, each 25c.
HOTBED BLANKETS. Made of burlap; lined with waste, wool and cotton quilted. 76 x 76, \$1.50; 40 x 76, \$1.00.
Reed Mats. 72 x 78. Made of reeds or grass. Excellent for protecting hotbeds in early Spring instead of glass, \$2.00. 54 x 78, each \$1.75.
HOTBED SASH. Made of cypress, 3 x 6 feet, for 3 rows of 10-inch glass, each \$1.50. 3 ft., 2 in. x 6 ft., for four rows of 8-inch glass, each \$1.60.
Sunlight Double-Glass Sash. 3 x 6, unpainted and unglazed, \$2.50. Glazed both sides and painted two coats, \$5.00.
Sunlight Double-Glass Pony Sash, 34½ x 38½. For 10 x 12 glass. Unglazed and unpainted, each \$2.00. Glazed and painted, each \$3.00. Prices on pit frames quoted on application.
 Illustrated circular of Sunlight Sash sent free on request.
KNIVES. High quality grade. EACH
 343 (45) English double bladed.....\$1.50
 801-C Single bladed, celluloid handle..... .75
 400 English budding knife..... 1.50
 6174 (44) Bone handle, budding knife..... 1.25
 6108 (43) Grafting knife..... 1.25
 302½ (48) Beech handle budding knife..... .25
 403 (42) English grafting..... 1.25
 304½ (40) Beech handle grafting..... .35
 1011-C Celluloid handle grafting..... .75
 166½ (46) English stag-handle grafting..... 1.35
 938 (41) English Stag-handle pruning..... 1.50
 543 Single blade with folding ivory budder.. 1.00
 305 (47) Pocket pruning knife..... 1.25
 305½ (39) Beech handled pruning..... .50
 Edging knives, imported (32), best steel..... 1.50
 Edging knives, domestic, with 4-ft. handle..... .75

GARDEN SUNDRIES, Continued



LABELS

Wooden, Painted		Garden Stakes, 8-in., painted.	
Size	100 1,000	100, 60c: 1,000.	\$5.00.
4 inch.....	\$0.15 \$1.00		
5 inch.....	.20 1.50		
6 inch.....	.25 1.75		
10 inch.....	.50 4.00		
12 inch.....	.75 5.00		
LEAF MOULD. Fern. Clean stock. Per bbl.....		\$2.00	
MOLE TRAP (35) Olmstead's Improved, each \$1.50.			
PLANT BED CLOTH. Valuable for covering hotbeds and frames in spring and for throwing over bedding plants in the fall. Also for use in the poultry yard. Medium grade, yard, 12c. By piece, about 60 yds., per yd., 11c. Heavy grade, yard 18c; by piece, per yard 17c.			

Pots and Bulb Pans

We pack pottery with care, but will not be responsible for breakage in transit. Prices are F. O. B. cars Chicago, and packing extra on all orders of less than \$10.00.

Standard Pots		Bulb or Fern Pans	
	Doz. 100 1,000		Each Doz.
2-in. rose..	\$0.12 \$0.65 \$ 5.50	6-in.	\$0.07 \$0.75
2½-in. ...	.15 .85 7.00	7-in. ....	.08 .85
3-in. ....	.20 1.25 10.00	8-in. ....	.12 1.25
4-in. ....	.35 1.75 15.00	10-in. ....	.25 2.00
5-in. ....	.45 3.50 25.00		
6-in. ....	.65 4.00 40.00		
	Doz. 100		
7-in.	1.00 7.00		
8-in.	1.40 10.00		
10-in.	each .25		
12-in.	each .40		

Hanging Baskets

Earthenware 10-inch, each 40c.			
NEPONSET PAPER FLOWER POTS. Made of water-proof fibre, for lightness, cleanliness and cheapness. They have no equal.	100 1,000	100 1,000	
2½-inch	\$0.35 \$3.00	4-inch	\$0.95 \$ 8.25
3-inch .....	.60 5.00	5-inch	1.30 12.00
3½-inch .....	.75 6.25		

PLANT TUBS, Cypress. Well made, light and durable. Just the thing for potting small shrubs or Boxwood. Vary beds. 3 feet high, each 30c. 4 feet, each 40c.

PRUNING SAWS (58) Double edge, 18-inch, each 75c. Crescent-shaped (60). 12-inch blade, each 75c; Tapered, steel frame (59) with hardwood handle, each \$1.35. For socket handle for use on pole, \$1.75; blades, each 25c.

RAFFIA. Best tying material for plants. It is also used to make fancy baskets and other articles. Will keep indefinitely. Natural. Pound 25c; 10 lbs. \$1.75. Dyed Raffia can be furnished on special orders at 50c lb.

RAKES Steel Garden. (85). 14-tooth, 60c; 16-tooth, 75c. **Steel Gravel.** 16-tooth, each 70c. **Ole Olson** (69). A most desirable wood lawn rake. Curved head; 26 teeth. Teeth set close and clinched to prevent dropping out. Each 50c. **Self-Cleaning** (70). Each 75c. **English Daisy.** 20-tooth. Each \$2.75.

SHEARS

Border. For trimming around flower beds. Long handle, 9-inch blade with wheel, \$2.75. Without wheel, \$2.50. **Grass.** Best English steel, each \$1.00.

Domestic (76) for trimming around beds, each 25c. **Hedge,** (62). The Best English steel. 9-inch, each \$1.50. 10-inch, \$1.85; 11½-inch \$2.25.

Lawn. For cutting grass where mower will not reach, two wheels, each \$2.50. 12-inch blade, 2 wheels, each \$3.00.

Pruning. Best grade German (24). Spiral Steel Spring, full nickel plated: No. 190, 7½-inch, each \$1.20; No. 200, 8½-inch, each \$1.35; No. 210, 9½-inch, each \$1.60; 5½-inch (30). Each, \$1.00. Extra springs, each 15c. No. 2234 (25) 8½-inch, each \$1.25. No. 205, with flat brass spring (26), 8½-inch, \$1.60; 9-inch, each \$1.75. **Rhode's Double Cut** (27). Each \$2.00. No. 1405, black finish (28) 8½-inch, each 60c.

Grape Shears (29) No. 7436, each 50c. **Wire** (61). For cutting annealed wire, each 85c.

SHOVELS. Crucible steel, D-handle, plain back, \$1.35. **SPADES** (86). 7½ x 12-inch blade. Each \$1.00.

SYRINGES, Scollay's Rubber. For spraying house plants. Large (71), each \$1.00; medium (72), each 75; small 60c.

TREE PRUNERS, Waters. 4-ft handle, each 50c; 6-ft handle 75c; 8-ft handle 90c; 10-ft handle \$1.00; 12-ft handle \$1.10. Extra blades, each 20c.

Detroit 6-ft pole, each \$1.50. **Orchard King.** Very powerful pruning shear, \$2.50.

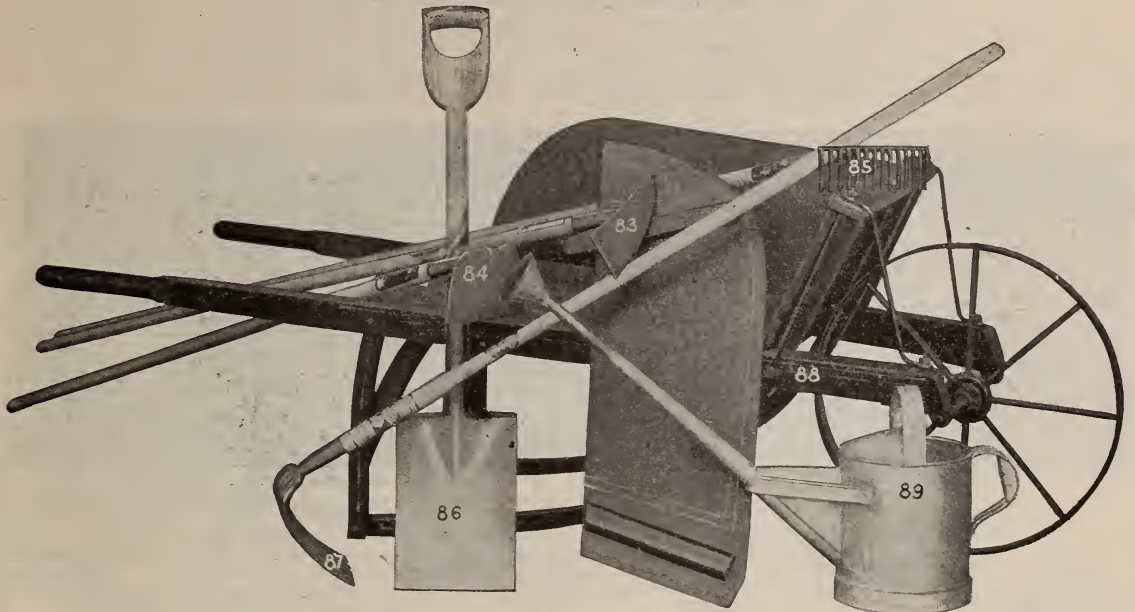
SCYTHES Imported English Lawn (68). Famous S. Marshall "Soldier" brand. Thin steel blade, riveted back. 32, 34 and 36-inch, each \$1.35.

Brush. Tool steel, double ribbed, 24 inches long, \$1.00. **SCYTHE SNATHS,** with adjustable socket. Each \$1.00. **SCYTHE STONES** Talacre. (82). Each 25c.

SEED SOWER, Cahoon's. For sowing grass or field seeds. Will sow from 4 to 6 acres per hour. Each, \$3.25.

Cyclone. A seeder built with force feed. Each, \$1.50.

GARDEN SUNDRIES



Stakes for Tying Plants

Canestakes. For tying Roses, etc. 6 to 8 ft. 100, \$1.00.
Japanese Stakes. Green; painted. Small and inconspicuous, strong and useful for small plants.

	Doz.	100	1,000
18 inch.....	\$0.15	\$0.50	\$ 4.00
24 inch.....	.20	.60	5.00
30 inch.....	.20	.75	6.50
3 foot.....	.25	1.00	8.00
4 foot.....	.30	1.25	10.00

Dahlia Stakes. (55). Wood; green; round, tapering.

	Light		Heavy	
	Doz.	100	Doz.	100
3 foot.....	\$0.50	\$3.50	\$0.75	\$ 5.75
3½ foot.....	.60	4.50	.90	7.00
4 foot.....	.75	5.50	1.00	8.25
5 foot.....	.85	6.50	1.15	10.00

Galvanized Wire Stakes. Prices subject to market changes.
 Doz. 100 1,000 Doz. 100 1,000
 3 foot....\$0.20 \$1.00 \$6.50 5 foot....\$0.35 \$1.60 \$14.00
 3½ foot... .25 1.15 8.00 6 foot.... .40 2.00 16.00
 4 foot..... .30 1.25 9.50

Thermometers

Hotbed or Mushroom. Wood frame; painted brass bottom for plunging. Best (63), \$2.00. Medium, each \$1.25.
Japanned, Tin Case. (66). 8-inch, each 12c.
Long Distance (65). Large figures, each 25c.
Cabinet. 8-inch, each 40c. **Copper Case,** each 75c.
Self-Registering. Indicates maximum and minimum degrees. Wood, \$2.75; porcelain, each \$3.00.

Garden Trowels

Forged Steel, No. 211 (74). Blade and shank are one piece, 6-inch, each 40c; 7-inch, 45c; 8-inch, 50c.
Solid Steel, No. 212. For family use, 6-inch, each 25c.
English Pattern, No. 215. 6-inch, riveted blade, 15c.
Neverbreak. Handle and blade in one. Each, 15c.
Ladies' Trowel, No. 216. For light work. Each, 10c.
Transplanting. Blade and shank on one piece, a splendid weed digger. 6-inch, 15c; 7-inch, 25c.
Bulb (79). 6-inch, each 75c. **Berry** (73). Forged steel, 50c.
TOMATO SUPPORTERS. Light wire frame for supporting tomatoes, peonies, dahlias, etc. Each 30c; doz., \$3.00.
TREE SCRAPER (67). 21 inches long with handle, 75c.

TWINE, Green Linen Tube. Each, 15c; lb., 65c.
Cotton. White, per lb., 35c; 5 lbs., \$1.50.
Hemp. No. 12 or 18; for tying. Per lb., 35c.
Jute. lb., 25c; 10 lbs., \$2.00; 100 lbs., \$18.00.
VASES, Glass Cemetery (31). 10-inch, 20c; 16-inch, 35c.
Fibre. For holding cut flowers. Mahogany finish. 8 x 13, each 75c; 4 x 6, 50c; 5½ x 18, 85c; 3 x 9, 45c.
WATERING POTS, American. (89). Galvanized iron with long spout. Made particularly for garden use; 2 copper nozzles, 6-qt., \$2.00; 8-qt., \$2.25; 10-qt., \$2.50; 12-qt., \$2.75. Medium weight galvanized iron with zinc rose. 6-qt., 45c; 8-qt., 50c; 12-qt., 65c.
WEEDERS, Excelsior (80). Each 10c.
Hazeltine (77). Each 20c.
Langs. Each 20c.
WEEDING FORK 3-tine (75). Each, 10c.
Gem Garden Fork, 6-inch cast steel tines, 50c.
Weed Puller. Hall's Dandelion. Each, 50; doz., \$3.60.
Weeding or Dandelion Spud. Each, \$1.00.
Thistle Cutters. 8 x 2. (33) Cast steel, polished blade. 4-ft. handle, each, 60c.
Mehler's Handy Garden Tool. A combined garden tool for getting in the out-of-the-way places. Each, 85c.

Self-Watering Window Boxes

Made of heavy galvanized iron, handsomely enameled, and warranted against leakage. Reservoir in bottom supplies water to roots in exactly the right quantity. Holds 10 to 15 days' supply.

Window Boxes

No.	Length	Price
1.....	23 in...	\$1.60
2.....	25 in...	1.75
3.....	27 in...	1.90
4.....	29 in...	2.05
5.....	31 in...	2.20
6.....	33 in...	2.35
7.....	35 in...	2.50
8.....	37 in...	2.65
9.....	39 in...	2.80
0.....	41 in...	3.00

Porch Boxes

No.	Length	Price
1.....	37 in....	\$3.00
2.....	41 in....	3.40
3.....	45 in....	3.75
4.....	49 in....	4.00
5.....	53 in....	4.25

Hanging Baskets

No.	Depth	Square	Price
8.....	6 in...	8 in...	\$1.00
10.....	7 in...	10 in...	1.25
12.....	8 in...	12 in...	1.50
14.....	9 in...	12 in...	1.75

Special Catalog containing description of these goods free.
WHEELBARROW, Globe Garden. (88). Medium size, box 30 inches long, 19 inches wide at wheel end, 24 inches at handle end, 12 inches deep, 20-inch steel wheel. \$4.00.

PLANET JR

This name is a guaranty over all the world of the most modern scientific farm and garden tools manufactured. Every Planet Jr. **cuts your work in half.** These tools double your crop yield, pay for themselves in a single season, and last a lifetime. Built to **do the work**, by a practical farmer and manufacturer with over 35 years' experience. The 72-page **Special Planet Jr. Catalog is Free to all.**



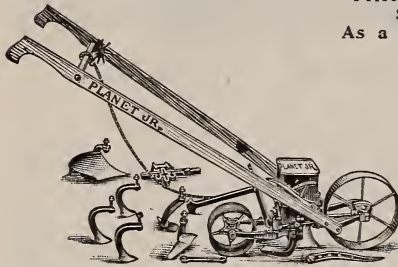
ACCURATE PLANTING WITH PLANET JR. NO. 4

SINGLE WHEEL HOE IN THE FAMILY GARDEN

No. 4 Planet Jr. Hill and Drill Seeder and Single Wheel Hoe Combined.

Price, Complete, \$10.50.
As a Seeder only, \$3.50.

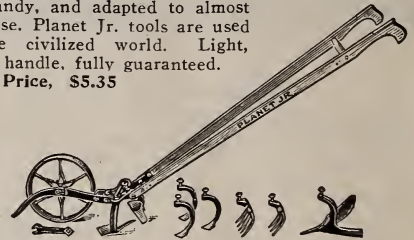
Plants all garden seeds accurately in hills or drills; hoes, cultivates, and plows quickly and thoroughly. Popular with farmers and gardeners everywhere.



No. 16 Planet Jr. Single Wheel Hoe, Cultivator, Rake, and Plow

is light and handy, and adapted to almost every garden use. Planet Jr. tools are used throughout the civilized world. Light, strong, easy to handle, fully guaranteed.

Price, \$5.35

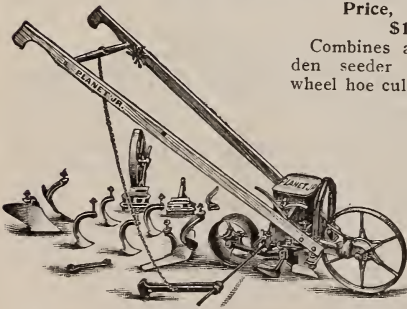


No. 25 Planet Jr. Hill and Drill Seeder Double Wheel Hoe

Price, Complete, \$13.00

Combines a first-class garden seeder with a double wheel hoe cultivator and plow.

Does the work of almost all garden tools combined. It sows accurately all garden seeds, cultivates, hoes, furrows, and plows. Indestructible steel frame.



No. 17 Planet Jr. Single Wheel Hoe

Price, \$4.50

You can do more and better hoeing with it in one day than you can do in three days with a hand hoe. The No. 17 has a pair of 6-inch hoes, a plow, and a set of cultivator teeth, an outfit sufficient for most garden work.

No. 18 Single Wheel Hoe

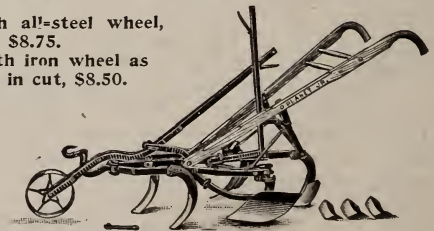
Price, \$3.25

This tool has one pair of 6-inch hoes only—the tools that are most constantly useful throughout the season. Other tools can be added as needed.

No. 8 Planet Jr. Horse Hoe and Cultivator

Price with all-steel wheel, \$8.75.

Price with iron wheel as shown in cut, \$8.50.



Does more kinds of work better, quicker, and easier than any other cultivator. Indispensable on the up-to-date farm.

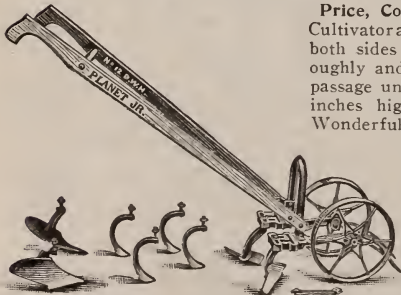
Planet Jr. 12-Tooth Harrow, Cultivator, and Pulverizer is invaluable in strawberry and truck patches and the market garden. Its 12 chisel-shaped teeth and pulverizer leave the ground



No. 12 Planet Jr. Double Wheel Hoe

Price, Complete, \$6.50
Cultivator and plow. Works both sides of plants thoroughly and rapidly at one passage until crops are 20 inches high.

Wonderful garden cultivator and money saver.



No. 13 Planet Jr. Double Wheel Hoe is the No. 12 with 6 inch hoes only. Price, \$4.50. Any or all the other attachments shown with No. 12 may be added at any time.

in finest condition without throwing dirt on plants.

New Universal and Other Garden Tools

Space will permit our showing and describing only one of the New Universal Tools, but we will send a fully illustrated descriptive catalog free to all who request it. The prices named herein are net.

New Universal No. 17 Garden Drill

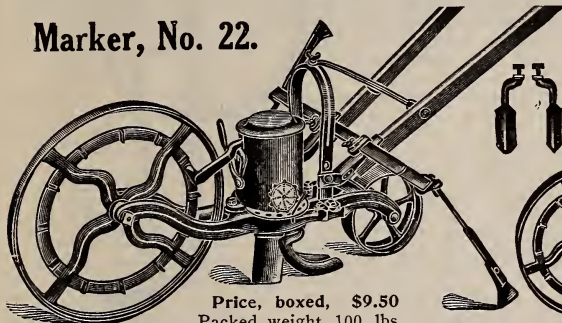
NO BETTER SEEDER CAN BE PRODUCED

Sows all kinds of Vegetable Seeds, including Peas, Beans, and Corn. The depth may be gauged to any required space; will make a uniform deposit of the seed. This drill opens the furrow, drops and covers the seed, rolls down the earth over it and marks the next row, all by simply pushing the machine forward. Price, boxed, \$6.50.

New Universal No. 16 "Hill and Garden Seeder"

The same in style as the garden drill, but is arranged so as to drop the seed either continuously in drill, or at distances of 4, 6, 8, 12, 16, 24, and 48 inches apart. The adjustment from drills to hills is made by one screw. The distance apart is regulated by the number of cogs on the Driving Wheel against which the agitator strikes. Price, boxed, \$7.25.

New Universal Combination Hill and Drill Seeder, Cultivator, Plow, Rake and Marker, No. 22.



Price, boxed, \$9.50
Packed weight, 100 lbs.



SIX IMPLEMENTS
IN ONE
Seeder Cultivator
Hoe Plow
Rake Marker
All for \$9.50

Other Universal Tools

NO.	PRICE
14	Double Wheel Hoe, Cultivator, Plow, and Rake.... \$5.25
15	Double Cultivator with Hoe Blades only..... 3.75
11	Single Wheel Hoe, Cultivator, Plow, and Rake.... 4.75
12	Single Wheel Hoe, Cultivator, and Plow..... 4.25
13	Single Wheel Hoe with Hoe Blades only..... 3.00
24	Expansion Double Wheel Hoe, Cultivator, Plow, and Rake..... 6.25
25	With Hoe Blades only..... 4.75
26	High Arch Expansion Wheel Hoe, Cultivator, Plow, and Rake..... 7.75
119	Complete Hill and Drill Seeder..... 9.00
4	Matthews' Hand Cultivator (5 teeth)..... 5.00
	McGee Pattern Cultivator..... 4.25

Extra Parts. We usually have on hand a supply of the most-called-for extra parts for Planet Jr. and New Universal Implements. Those not stocked can be secured in a few days.

Plows and Harrows

WOOD BEAM PLOW

The shape is exactly right to do perfect work with greatest ease to team and plowman. Made with steel moldboard and scours perfectly. Does equally as good work in old or stubble ground. 14-inch plow. Price.....\$16.00

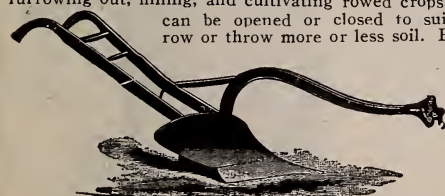


WOOD BEAM, ONE-HORSE, 8-INCH PLOW

Made to use in light soils. Suitable for cultivating and garden work.....\$16.75

WOOD BEAM WING SHOVEL PLOW

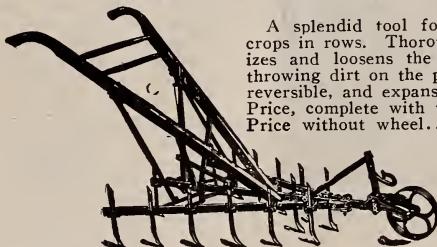
This Plow can be adjusted to suit any width row. For furrowing out, hilling, and cultivating rowed crops. The wing can be opened or closed to suit width of row or throw more or less soil. Price, \$3.00



STEEL BEAM PLOW

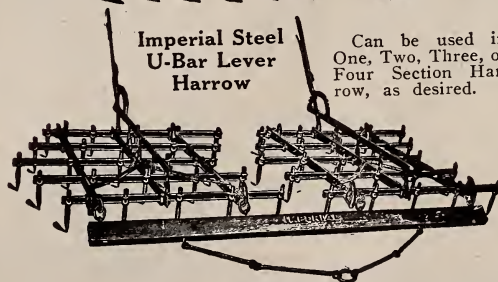
A general purpose plow, capable of a greater range of usefulness than any other styles. They are of easy draft and equally adapted for old ground or sod. 14-in. plow.....\$16.00

Barnard's 14-Toothed Harrow



A splendid tool for cultivating crops in rows. Thoroughly pulverizes and loosens the soil without throwing dirt on the plants. Teeth reversible, and expansion lever. Price, complete with wheel..\$5.00
Price without wheel..... 4.75

Imperial Steel U-Bar Lever Harrow



Can be used in One, Two, Three, or Four Section Harrow, as desired.

Price
60-tooth Harrow..... \$12.00
70-tooth Harrow..... 13.00
90-tooth Harrow..... 18.00
120-tooth Harrow..... 25.00

Barnard's Garden Cultivator



Excels all others. The width of cultivator is regulated by a lever expander. The frame is of wrought iron, strong and light, with extra long teeth of finest polished steel.

Price, complete.....	\$5.25
Price, five-tooth, with wing shovels.....	5.00
Price, plain, without wheel or wing shovels.....	4.00

Spraying and Dusting Implements

The use of sprayers and spraying compounds has become a recognized necessity in raising fruits and vegetables. The sprayer is as much of a necessity as is the fertilizer or any other part of the process of cultivation. Following and others can be supplied.



AUTO SPRAYER

HAND SPRAYERS

Tin Sprayers. A group of low-priced, serviceable sprayers available for distribution of disinfectants, insecticides, fly-knocker, etc. Each has a capacity of one quart.

No. 1. Double tube, slant end. Each, 50c.

No. 3. Single tube, slant end. Each, 50c.

No. 7. Single tube; air chamber 18 x 1 1/4 in. diameter. Each, 50c.

No. 20. **Glass Double Tube Sprayer.** Has metal encased glass reservoir which cannot rust or corrode. Easy to fill. Should reservoir break, Mason jar can be used. Capacity, one quart. Each, 65c.

No. 21a. **Hand Atomizer.** Tin reservoir, single jet, constructed of heavy material. 50c.

Anti-Klog Midget Atomizer. Very powerful and gives a large volume of spray. Tin, pint, each 90c; qt., each \$1.25.

Spraying Accessories

Nozzles. Bordeaux (10), the best all-around nozzle. Each, \$1.00.

Misty Jr. (11) For 1/2-in. pipe connection, each \$1.25.

Extension Rods. Bamboo, 8 to 10 ft., each \$4.25.

We shall be glad to aid you in selecting your spraying outfit.

AUTO-SPRAY No. 1. It is the strongest and most simple in its working parts of any similar machine. Self-operating. Two pumpings of a few strokes on the plunger will discharge the contents under high and constant pressure. After pumping, the operator has only to direct the spray. For spraying trees, shrubs, vines, field crops, in the greenhouse, poultry house. For applying disinfectants and cattle-fly oils. Will handle all solutions, including whitewash and cold water paint. Heavy brass or galvanized iron. Brass tank recommended as it is non-corrosive in contact with chemical solutions. Reinforced top and bottom. All seams locked, soldered, and riveted.

No. 1A. Brass tank, with stop-cock.....\$6.75

No. 1B. Brass tank, with auto-pop..... 7.25

No. 1C. Galvanized tank, with stop-cock... 4.50

No. 1D. Galv. tank, with auto-pop No. 1.. 5.00

Extra Equipment. Extension pipe, brass, 2-foot lengths. Connect direct to the shut-off. Three lengths generally used for trees. Each, 45c.

Brass Elbow. For reaching the under side of leaves, each 20c.

SIMPLEX. A compressed-air sprayer with special shut-off nozzle which gives the operator perfect control. No. 1 brass tank, each \$7.00.

Bink's O-2 Compressed-Air Sprayer. Pump made entirely of brass and the tank is riveted and welded together. Height, 20 inches; diameter, 7 inches; capacity, 4 gallons. Complete with discharge hose, shut-off cock, spray nozzle, and shoulder strap. Each, \$6.00.

Anti-Klog Sprayer. A very simple and efficient sprayer for whitewashing, painting, disinfecting, or spraying anything which needs to be sprayed with any spray mixture. Very hard to clog and easily unclogged. Guaranteed to give good service for five years. Has two-inch seamless brass pump fitted in a heavily galvanized steel tank which will stand 150 lbs. pressure. A few strokes of the pump will empty the tank at a high pressure. Furnished in 3, 5, or 8 gallon sizes, complete with four feet of hose, shoulder strap and whitewash nozzle. 3 gal., steel, \$7.00; 3 gal., brass, \$10.00; 5 gal., steel, \$9.00; 8 gal., steel, \$11.00.

Anti-Klog Jr. An all-brass sprayer designed especially for use in the conservatory and window garden. It is light in weight, but of generous capacity; convenient and easy for women to use for spraying plants and flowers. The Anti-Klog Jr. should be in every home where health for both people and plants is appreciated and desired. Each, \$2.50.

No. 37. **Compressed Air Sprayer.** Operates on both strokes of plunger and throws continuous stream. Will handle all solutions, insecticides, and disinfectants. Construction of tank permits sprayer to be operated at any angle.

37b. Tin pump and galvanized reservoir, 90c.

37c. Tin pump and brass reservoir, each, \$1.25.

POMONA PUMP. For small orchards or large shade trees where a more powerful pump is needed. The Pomona with its solid bronze working parts, outside packed plunger, is powerful, simple, and efficient. Plunger 2 1/2 in. diameter, adjustable stroke. Pump, Agitator, and Suction hose, each \$15.00. With 15 ft. hose and spray nozzle, \$18.00. If supplied mounted in barrel, add \$3.50.

Kinney Pump. A device to pump manure-water for spraying plants. Each, \$2.00.

Leggett's Champion Dry Powder Duster. For the distribution of paris green, hellebore, sulphur, or any dry powder insecticide. Well known as a successful duster. Each, \$8.00.



SUCCESS SPRAY

BUCKET SPRAYERS

SUCCESS. For the garden, greenhouse or small orchard, this pump is well indispensable. Working parts and cylinder are of brass. The large, globe-shaped enlargement at the top of cylinder permits an easy motion and a steady stream. Supplied with 3 ft. of hose, Bordeaux (the best all-around) nozzle, foot-rest. Shipping weight about 10 lbs., each, \$3.85.

PRIZE. An excellent and low-priced spray pump. All working parts brass. Slightly smaller than Success. Weight, 9 lbs., Each, with Acme nozzle, \$3.00; with Bordeaux, \$3.45.

BARREL PUMPS

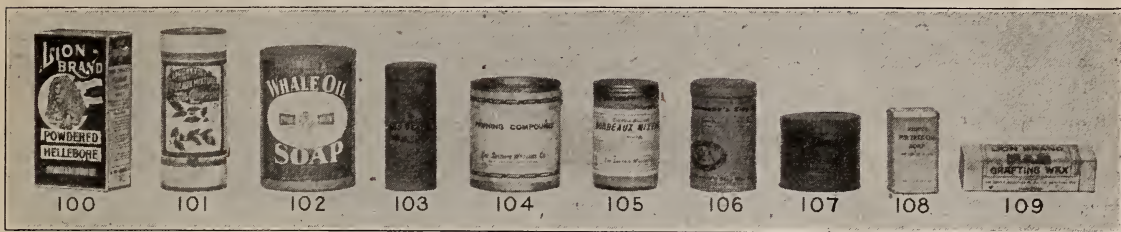
FRUITALL. A good low-priced sprayer, well constructed and similar in many ways to Pomona. Thoroughly serviceable and reliable. 2-inch plunger, 4-inch stroke. Each, \$10.00. With 15 ft. hose and spray nozzle, \$13.75. Barrel, add \$3.50.



POMONA PUMP

Insecticides and Remedies for Plant Diseases

Liquid insecticides are not permitted in the mails. Dry powder and soap—non-poisonous—can be forwarded by parcel post, purchaser to remit us the amount of postage required in addition to the prices herein named. Consult your local postoffice for rate from Chicago. All prices subject to change without notice.



APHINE. Effective against all soft-bodied and plant-sucking insects; such as green, black, white fly; red spider, thrips, mealy bug, brown and white scale, currant and cabbage worm, etc. Used as a spray or wash, diluted in water at proportions as directed on each can. Can be used indoors and in the garden on flowers, fruits, and vegetables. Pt., 65c; qt., \$1.00; gal., \$2.50.

APHIS PUNK. For fumigating greenhouses and conservatories. It vaporizes the nicotine economically and evenly. Nothing else so thoroughly and cheaply keeps a house free from aphis, thrip, and other plant parasites. Pkt., of 12 sheets, 60c.

ARSENATE OF LEAD (112). Kills all leaf-eating insects such as attack fruit trees, shade trees, shrubbery, flowers, and vegetables. Mixes with water readily and adheres to the foliage. Lb., 25c; 5 lbs., \$1.00; 12½ lbs., \$2.00. Special prices on larger quantities.

BORDEAUX MIXTURE. This is a preventive of plant diseases, especially apple scab, rust on melons, beans, hollyhocks, etc., besides rot and mildew. Bordeaux mixture may be applied alone or combined with arsenate of lead or Paris green for codling moths, potato beetles, caterpillars, and chewing insects in general. Can be secured in either liquid, paste, or dry form. The liquid and paste forms are to be diluted in water, and after a thorough mixing apply as a fine mist with a spray pump. The mixing should always be done in a wooden receptacle. The mixture will corrode metal. Liquid (113) mix 1 qt., with 40 gals. of water. Qt., 50c; gal., \$1.00. Paste (105), mix 1 lb. with 24 gal. of water. Lb., 25c; 5 lbs., 85c; 25 lbs., \$3.00. Dry, to be used with dust or flour and applied with duster (101). Lb., 25c. Dry with Paris green, lb., 35c.

BUG DEATH (103). Kills all bugs and worms that chew the leaves and foliage. Contains no Paris green nor arsenic. May be used dry or in solution with any sprayer on the market. Lb., 15c; 3 lbs., 35c; 5 lbs., 50c; 12½ lbs., \$1.00. Dicky Duster (57), 25c; an Acre-an-Hour Sifter (51), 75c. are especially adapted to applying Bug Death.

CUT WORM FOOD (116). Lb., 25c; 5 lbs., 85c.

FIR TREE OIL SOAP (108). For use to exterminate mealy bug, red spider, aphis (black and green), worms, scale, thrip, and slug. Use at the rate of 1 oz. to 1 gal. of water. ½-lb. can, 25c; 2 lbs., 75c.

FISH OIL SOAP (102). Formerly called Whale Oil Soap. A very effective, simple and cheap preparation for the preservation of trees, shrubs, plants, vines, rose bushes, and garden plants in general, from the ravages of insects. ½ lb., 12c; lb., 18c; 2 lbs., 30c; 5 lbs., 65c.

GRAPE DUST. A fungicide. Readily diffusible light-weight powder. Very efficient in preventing blight and destroying mildew. 1-lb. carton, 15c; 5 lbs., 40c.

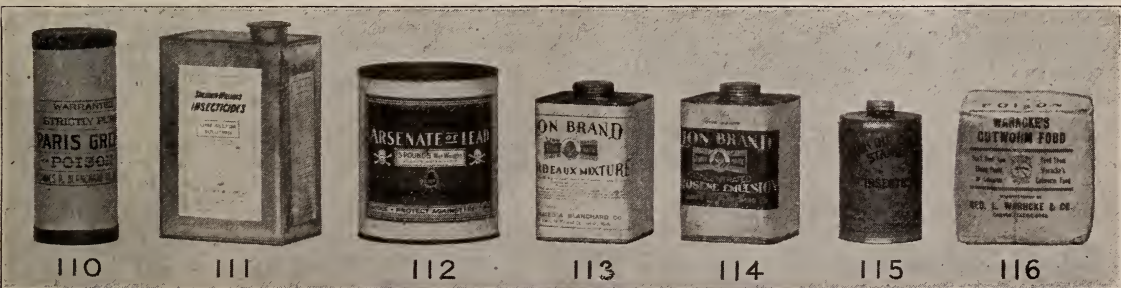
HELLEBORE (100). One of the best insecticides for all-around garden use. Kills leaf-eating insects, such as currant worm, cut worm, rose bug, etc. Can be used dry or in solution. 1 oz. to 2 gals. of water. ¼ lb., 10c; ½ lb., 20c; lb., 30c.

KEROSENE EMULSION (114). This will destroy all sucking insects, such as scale, plant and bark lice, pea louse, etc. One of the best and most convenient insecticides to use on flowering plants and shrubbery. Dilute 1 pint to 30 to 50 for tender plants, and 1 pint to 20 to 30 for fruits and vegetables. Qt., 50c; gal., \$1.00.

LEMON OIL (115). Recommended for destruction of lice and other sucking insects. ½ pt., 25c; pt., 40c; qt., 75c; ½ gal., \$1.25; gal., \$2.00.

LIME SULPHUR (111). Effective against San José scale, oyster-shell bark louse, scurfy scale, maple scale, and all sucking insects such as ant, aphis, spider, etc. For winter use, dilute 1 part to 10 parts of water; for spring use, 1 part to 35 or 50 parts of water. Qt., 30c; ½ gal., 50c; gal., 75c; 5 gal., \$3.00.

PARIS GREEN (110). Has been in general use for years to kill potato bug, codling moth, and other leaf-chewing insects. It may be applied dry mixed with flour, or mixed with water and sprayed on the foliage. For potato beetles, 1 oz., to 3 gals. of water is recommended. Prices subject to market; ¼ lb., 15c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50; 14 lbs., \$4.00.



SLUG SHOT (106). It is cheap and very effective. Destroys potato bugs, beetles, green and black fly, melon, squash, and cucumber bugs, etc. 1-lb. carton, 15c; 1-lb. tin canister with shaker top, 25c; 5-lb. pkg., 35c; 10-lb. pkg., 70c.

SULPHO-TOBACCO SOAP. Exterminates insects on plants and shrubs as well as on domestic animals. In cakes: 3 oz., each 10c; 8 oz., each 20c; Directions accompany.

TREE TANGLEFOOT (107). A sticky preparation similar to the substance used on fly paper. It is applied directly to tree trunks. One application remains effective three or four months (rain or shine) fully exposed to the weather. Unquestionably the most simple for protecting trees against gypsy brown-tail, or tussock moth; caterpillars, canker worms etc. 1 lb. makes 8 to 9 lineal feet of band. Will not injure trees. 1-lb. can, 30c; 3-lb. can, 85c; 10 lbs., \$2.65.

FERTILIZERS

We handle but one grade of FERTILIZERS—THE BEST. Special quotations to large buyers.

GENERAL DIRECTIONS FOR APPLICATION

Never mix fertilizer with the seed. Be sure and work the fertilizer into the soil as thoroughly as possible.

Remember that in all cases thorough cultivation will enable the fertilizer to give the best results. Also that it is the roots of the plant that take up the plant food, and that fertilizer should be applied in such a manner that the roots can best assimilate it.

BLOOD AND BONE. A desirable fertilizer for crops such as cabbage, cauliflower, and corn, but not for root crops such as beets, turnips, etc., unless used with some form of potash. For garden use apply at the rate of 300 to 500 pounds per acre. 25 lbs., 75c; 50 lbs., \$1.15; 100 lbs., \$2.15; 200 lbs., \$4.00; 500 lbs., \$9.50; ton, \$36.00.

BOWKER'S PLANT FOOD. Made expressly for flowers grown in the house or garden; clean, odorless, and produces early, abundant flowers, greatly adding to the richness and brilliancy of color. Stimulates the growth. Not prepaid, No. 1, each 15c; No. 2, each 25c. Mailing weight, No. 1, 7 ozs.; No. 2, 15 ozs.

BONE MEAL. Guaranteed pure bone and equal to any brand. Approximate analysis: ammonia $\frac{3}{4}$ per cent; phosphoric acid, 25 per cent. It is ground fine and is an excellent top dressing for lawns, grass lands, farm and field crops; also for mixing with potting soil. 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.15; bag of 200 lbs., \$3.75; 500 lbs., \$8.50; 1,000 lbs., \$16.50; ton, \$32.00.

CATTLE MANURE, Shredded. It is as easy and cleanly to handle as grain. Dry and free from odor. Excellent for use on the lawn as it can be readily raked in and there is no straw to be taken off in the spring. Good to mix with soil for all kinds of bulbs. For potting compound use one part fertilizer to six parts soil. 10 lbs., 25c; 25 lbs., 40c; 50 lbs., \$1.00; 100 lbs., \$1.75; 500 lbs., \$6.50; 1,000 lbs., \$12.00; ton, \$21.00.

CLAY'S FERTILIZER. Contains the essentials of a readily serviceable plant food. It is safe and reliable, and quick in action, vitalizing and effectual. This fertilizer is imported from London for use of particular gardeners who appreciate its value either as a potting fertilizer or for making liquid manure. 5 lbs., 50c; 10 lbs., \$1.25; 25 lbs., \$2.00; 50 lbs., \$4.00; 100 lbs., \$7.00.

FARMER'S FAVORITE. A high-grade all-around fertilizer, especially adapted to all field crops and for market gardeners' use. Approximate analysis: ammonia, 3 per cent; phosphoric acid, 8 per cent; potash, 4 per cent. 50 lbs., \$1.35; 100 lbs., \$2.25; 200 lbs., \$5.00; 500 lbs., \$10.00; 1,000 lbs., \$18.50; ton, \$36.00.

HARDWOOD ASHES. They contain potash and lime, which are needed to help plant growth and sweeten the soil. Helps drive away insects and improves the texture of the soil. An excellent fertilizer to use on the lawn with bone meal. 25 lbs., 50c; 50 lbs., 85c; 100 lbs., \$1.25; 500 lbs., \$5.50.

HORN SHAVINGS. Used by florists to mix with potting soil. 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.25; 100 lbs., \$4.50.

KAINIT. A German potash salt containing about 12½ per cent potash, and because of its slow action, should be applied in advance of planting. Used on potatoes, the lawn, and general garden. Apply at the rate of 20 to 25 lbs. per 1,000 sq. ft. 10 lbs., 30c; 25 lbs., 50c; 100 lbs., \$1.50; 200-lb. bag, \$2.50.

LAND PLASTER. A top dressing for sour or worn-out soils. Apply at the rate of 25 to 50 lbs. per 1,000 sq. ft. 25 lbs., 35c; 50 lbs., 60c; 100 lbs., \$1.25; barrel (about 300 lbs.), \$3.00.

LAWN LIME. The soil of most small lawns in residence districts are acid. To correct this condition some form of lime is required.

Finest Ground Lime Stone. 100-lb. bag, \$2.00.

West's Plant Food. Supplies limestone in convenient form for plants and small lawns. 2½-lb. packages, each 25c, not prepaid.

LAWN SILICATE. A granular powder, which, applied as a top dressing to lawns, etc., destroys weeds such as dandelion, chick weed, burdock, etc., by penetrating the plants and absorbing the juice in them. Does not injure the grass. 5-lb. package (for 500 sq. ft. of surface), 25c; 10 lbs., 50c; bbl. lot (about 450 lbs.), at 4¼c per lb.

All prices herein named are subject to change.

CORN. A quick, early start can be gained by using a handful of fertilizer to two or three hills, mixing well with the soil so that it does not come into direct contact with the seed. On corn and beans, many gardeners apply the fertilizer about ten days before planting the crop, and claim better results, as the fertilizer is partially dissolved at the time of planting.

TOMATOES or anything that is transplanted. Use from a teaspoonful to a small handful to each plant at transplanting time, according to the size of the plant, mixing well with soil, and for big results apply a small handful to each plant after same is well started and cultivate in thoroughly.

MURIATE OF POTASH. The most economical of the potash fertilizers. Contains about 45 per cent potash and is in general use with bone meal or farm manures on such crops as celery, corn, oats, turnips, cucumbers, grapes, onions, peas, and beans. It should not be used on such crops as potatoes, tobacco, sugar beets, cabbage, or cauliflower because of injury to their quality. Apply at the rate of one pound to ten pounds per 1,000 sq. ft. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.50; 200 lbs., \$6.50.

NITRATE OF SODA. A quick-acting fertilizer containing 16 per cent of nitrogen in a soluble form and best adapted to promote rapid and maximum growth in plants. Especially adapted to quick-growing vegetables such as lettuce and cabbage, also strawberries. For the home garden apply as a solution made at the rate of one ounce to two gallons of water. Do not apply until the plants are well established. 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.25; 100 lbs., \$4.50. Prices subject to market changes. Write for prices on larger quantities.

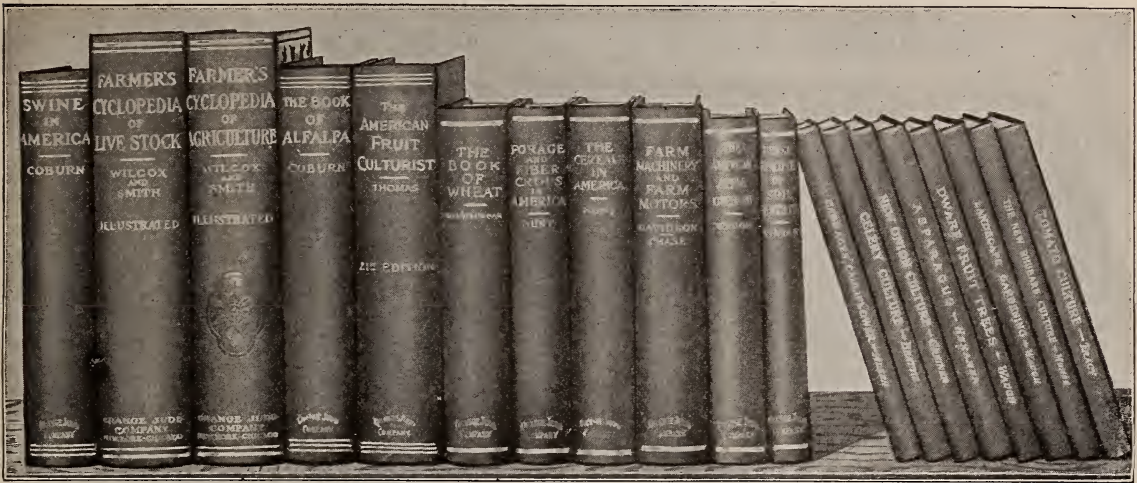
ROCK PHOSPHATE. Contains about 12½ per cent of natural phosphate, which is recommended very highly by the Illinois Agricultural Experiment Station for the improvement of the soil of that State. Phosphate becomes slowly available and its effect can be noticed for several years after application. (For immediate results, use bone meal as a phosphate fertilizer.) 50 lbs., 65c; 100 lbs., \$1.20; 500 lbs., \$5.00.

SHEEP MANURE, Pulverized. A pure, natural fertilizer for lawns and gardens, vegetables and fruit growing. It promotes quick growth and early maturity. For pot plants mix one quart manure to six quarts of soil. For vegetable garden strew over the surface at the rate of one ton to the acre and dig it into the soil. 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 65c; 50 lbs., \$1.00; 100 lbs., \$1.75; 500 lbs., \$7.00.

SUGAR BEET AND ROOT GROWER. Prepared for beet growers and for general root crops and grains where more potash and less nitrogen are required. Gives excellent results. Approximate analysis: ammonia, 2 per cent; available phosphoric acid, 8 per cent; potash, 5 per cent. 25 lbs., 65c; 50 lbs., \$1.15; 100 lbs., \$2.00; 200 lbs., \$3.75; 500 lbs., \$9.00; ton, \$34.00.

SULPHATE OF POTASH. A potash salt containing about 50 per cent of potash in a desirable form for tender vegetables such as cabbage and cauliflower, tobacco, sugar beets and general greenhouse use. May be used either as a top dressing or dissolved in water. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.10; 50 lbs., \$2.00; 100 lbs., \$3.75; 200 lbs., \$7.00.

VEGETABLE AND LAWN FERTILIZER. A quick-acting fertilizer for use by the home gardener, the market gardener, or the florist. An all-around fertilizer for the vegetable garden or the lawn. It is a rich, well-balanced fertilizer. Guaranteed analysis: ammonia, 4 to 5 per cent; available phosphoric acid, 8 to 9 per cent; total phosphoric acid, 9 to 11 per cent. Actual potash, 7 to 9 per cent. Use at the rate from 15 to 25 lbs. of fertilizer to 1,000 sq. ft., or from 600 to 1,000 lbs. per acre. When seeding down, broadcast the fertilizer, raking it into the soil thoroughly before seeding. On old lawns use as a top dressing. Three light applications on old lawns during the season are better than one heavy application. On hill crops, fertilizer can be used in the hill, being careful to work it into the soil thoroughly before planting the seed. 5 lbs., 30c; 10 lbs., 45c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; 500 lbs., \$12.00; 1,000 lbs., \$23.50; ton, \$46.00.



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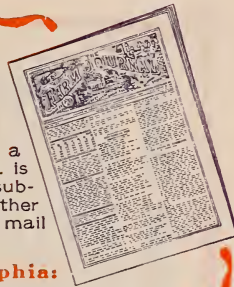
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