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SEEDS

JAN 4 1928
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SEEDS



1928

D. N. Shoemaker

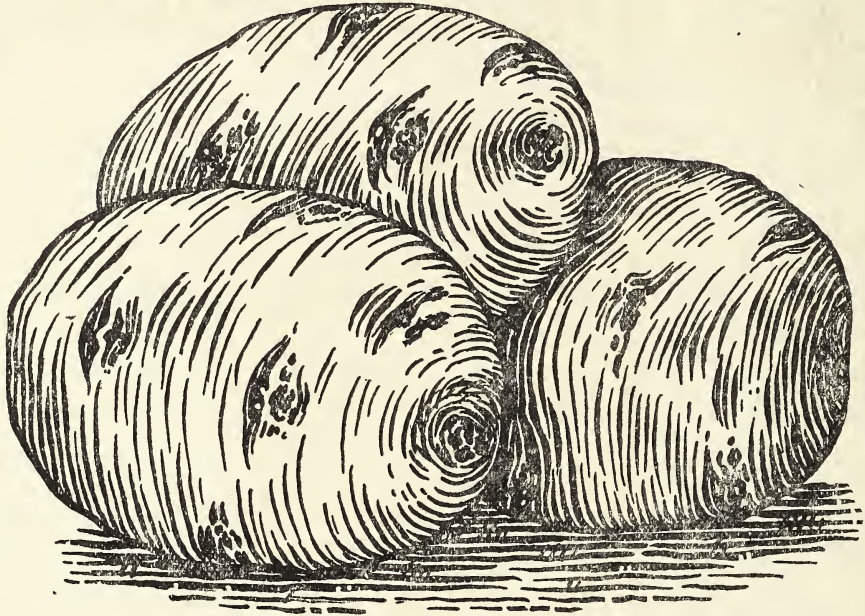


CADWELL & JONES

Hartford · Connecticut

D. N. Shoemaker

THEY TAKE THE PRIZE



VEGETABLES GROWN ON

Hubbard's "B^{ON}E" Fertilizers

ARE PRIZE WINNERS

These mixtures produce vegetables of fine appearance and high quality, the kind you want to grow. We have also the finest grade of Bone, and Bone mixtures, for lawns, shrubs and flowers.



THE ROGERS & HUBBARD CO.
Portland, Connecticut



For Sale by

CADWELL & JONES

HARTFORD, CONNECTICUT

LOCAL AGENTS ALL OVER NEW ENGLAND

1842 **ASSURED SERVICE** 1928

Conveniently Located in the Shopping District

GREETINGS

To Our Customers

WE again extend our thanks and wish them to know that we sincerely appreciate their patronage. To new customers we extend a welcome and the assurance that their orders will be handled carefully and promptly and their patronage would be to mutual interests.

Garden Seeds

Our vegetable seeds are produced under personal supervision by reliable seed growers subjected to the most rigid roguing during the growing season and the products are carefully tested for vitality, genuineness and quality of strain.

Flower Seeds

Our connections with the leading flower seed specialists, hybridizers and growers in the United States and Europe place us in a position to furnish only the best, and we have extended our flower seed list to include many meritorious and recently introduced sorts.

We are pleased at all times to receive your inquiries for varieties not listed and you can be assured of prompt service.

Garden Tools and Requisites

Cadwell & Jones keen-edged tools are an economy in their long service and use.

We are Headquarters for

Planet Jr. Hand and Tillage Cultivators, Pennsylvania Lawn Mowers, True Temper Tools, Cast and Water Ballast Lawn Rollers, Syracuse Plows, etc.

Fall Bulbs

Early in September we issue a concise list of selected Dutch bulbs and our expanded business grown large by endeavored service and applied knowledge of the products merits the confidence and we solicit your orders and inquiries.

An Invitation

We cordially invite our many friends to visit us and look over the many things that help to make and maintain beautiful lawns, productive gardens and farms. It is our business to keep a display of seasonable goods in our store located in the shopping district. (Illustrated on this page.)

To Our Local Customers

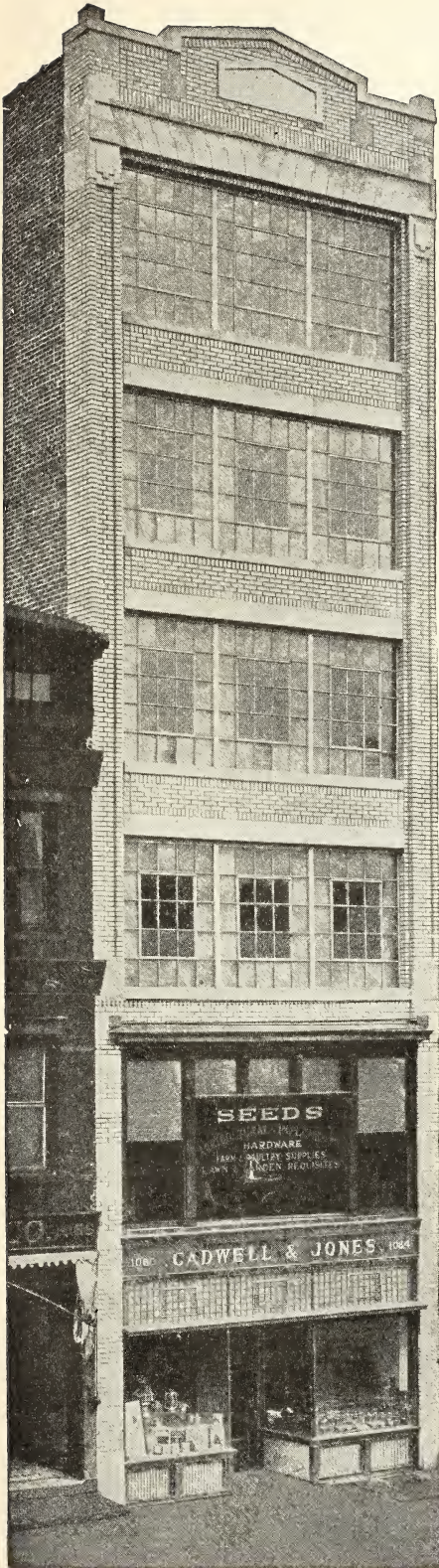
Our auto delivery is well equipped for prompt daily service throughout all parts of the city.

If not convenient to call at our store, **telephone** your orders, and you will talk to an expert in his own line, rendering you the same courteous assistance accorded to our store patrons, avoiding the annoyance and expensive delay incidental to purchasing from distant dealers or the unsatisfactory methods of buying amid the frantic rush of a metropolitan seed store in Springtime.

CADWELL & JONES

Two Phones, 2-2291—For Instant Service

Established in 1842 by Mr. J. W. Royce



CADWELL @ JONES

ANNUAL CATALOG AND PRICE LIST OF

Seeds Farm Supplies and Agricultural Implements

"The HIGH STANDARD always maintained merits the discrimination, distinction and preference given our seeds."

Members of the American Seed Trade Association

ALL PRICES ARE SUBJECT TO CHANGE

Notice Free Delivery

Peas, Beans, Corn and Onion Sets up to and including 10 pounds will be delivered postpaid in the first and second zones only.

All Flower and other Vegetable Seeds in packets, ounces, ¼ pounds and pounds, bulbs at single and dozen rates as quoted in this catalog will be **postpaid** anywhere in the United States unless otherwise noted.

Beans, Peas and Sweet Corn being offered by weight, we would suggest that our customers estimate their requirements in pounds.

A pint of Beans actually weighs 15 ounces, and a pint of Peas weighs 14 ounces. Therefore, a pound is equivalent to a heaping pint of either. A pint of Sweet Corn weighs ¾ pound.

SUGGESTIONS TO THOSE WHO ORDER FROM THIS CATALOG

HOW TO ORDER BY MAIL. Use order sheet herewith. Be particular to sign your name, post office, county, and state on each and every order or letter sent us; also give shipping directions. When not specified, we will forward by either mail, express, or freight, as may seem to us most advisable.

REMITTANCES may be sent by Express Order, Post Office Order, Bank Draft or Registered Letter. The cost of remitting by either of above methods can be deducted from amount of bill on orders amounting to more than a dollar. Postage stamps accepted the same as cash in amounts of one dollar or less.

PACKING. We make no charges for cases or packing, only for cotton and burlap bags, these we invoice at cost and make full allowance when returned **PREPAID** in good condition.

RATES OF POSTAGE ON PARCEL POST MATTER TO BE FULLY PREPAID—UNSEALED— are as follows:

(a) Parcels weighing 8 ounces or less, except books, seeds, plants, etc., 1½ cent for each ounce or fraction thereof, any distance.

(b) Parcels weighing 8 ounces or less, containing books, seeds, cuttings, bulbs, roots, scions, and plants, 1 cent for each 2 ounces or fraction thereof, regardless of distance.

(c) Parcels weighing more than 8 ounces containing seeds, plants, etc., and all other parcels of fourth-class matter weighing more than 8 ounces, are chargeable, for a distance of 150 miles from our store, at the rate of 5 cents for 1 pound, and 1 cent extra for each additional pound or fraction thereof, plus 2c. **service charge** on every package.

C. O. D. PARCEL POST. For collections on parcels, the following rate shall apply in addition to the postage:

Amount	Fee
1c. to \$10.00.....	12c.
\$10.01 to \$50.00.....	15c.
\$50.01 to \$100.00.....	25c.

TESTED SEEDS. All seeds sold by us are thoroughly tested as to germinating quality; all are put up for our trade by our own employees under the careful supervision of experienced managers. We believe our seed stocks are the best to be found, and that our prices are as low as is consistent with first quality.

MARKET GARDENERS who require a considerable quantity of seeds by the pound or bushel will be given special prices. Tell us the varieties you will need, with the quantity, and we will make quotation by first mail.

CADWELL & JONES give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs and plants they sell, and will not be in any way responsible for the crop.

CADWELL & JONES

1084-1086 Main Street
HARTFORD, CONNECTICUT

MARION B. DENISON
EVERETT P. JONES

Cadwell & Jones Select Gladiolus

The most attractive and useful of all Summer flowering bulbs, and as a cut flower holds a place that cannot be taken by any other flower. It is suggested that plantings be made two weeks apart, starting in May until July 1st for continuous blossoms until October.

Considerable care has been exercised in selecting extra quality bulbs which have a great deal of vigor, and the entire selection is based on varieties which have proved their merit.

Bulbs are mailed free at the single or dozen rates.

ALICE TIPLADY. The best of the large Primulinus, of a most beautiful orange-saffron color. Very choice. Each 7 cts., doz. 75 cts., 100 \$5.00.

ALTON. A ruffled variety of finest orange, with a very bright contrasting throat. Winner of many prizes. Each 15 cts., doz. \$1.50, 100 \$11.00.

ANNA EBERIUS. Dark velvety-purple, throat deeper shade, flowers of large size. Each 8 cts., doz. 85 cts., 100 \$6.50.

CARMEN SYLVA. Tall snow-white, throat slightly penciled lilac. Large flower; very satisfactory. Each 10 cts., doz. \$1.25, 100 \$10.00.

CRIMSON GLOW. A perfect scarlet, light throat, carmine blotch on lower petals; very large open flowers well placed on tall spikes. Each 8 cts., doz. 85 cts., 100 \$6.50.

DORRITT. Large showy lavender-pink. Many blooms open at one time. An exceptionally attractive variety. Each 20 cts., doz. \$2.00, 100 \$15.00.

DR. F. E. BENNETT. An unusual red; most fiery imaginable and very large flowering; many open. Diener's best red. A monster in growth and vigor. Each 60 cts., doz. \$5.00.

E. J. SHAYLOR. Large blooms of a beautiful, pure, deep rose-pink. Very choice. Each 7 cts., doz. 75 cts., 100 \$5.00.

FERN KYLE. Large, ruffled flower. Creamy white. Vigorous grower and creates a sensation wherever shown. Each 25 cts., doz. \$2.50, 100 \$20.00.

GAIETY. Rose-pink with deeper flaking. Clear white crescent throat. Sparkling bright. A favorite. Each 10 cts., doz. \$1.00, 100 \$8.00.

GIANT NYMPH. Extremely large light rose pink. One of the very best new varieties of Glads. Each 25 cts., doz. \$2.50, 100 \$20.00.

GOLDEN MEASURE. Pure golden yellow; very large flowers of good substance; robust grower, and considered the best yellow on the market; a super Glad. Each 15 cts., doz. \$1.50, 100 \$12.00.

HERADA. The large blooms are of immense size on tall, straight spikes; glistening, pure mauve-lavender, deeper markings on the throat. Each 7 cts., doz. 75 cts., 100 \$6.00.

LUSTRE. Tall, large-flowered, dark orange vermilion. Very beautiful form and color. Each 15 cts., doz. \$1.50, 100 \$11.00.

MRS. DR. NORTON. Finest cream and white. The sensation among the newer Gladiolus grown. Each 8 cts., doz. 85 cts., 100 \$6.50.

MRS. FRANK PENDLETON. The finest Gladiolus of the present time. In color it is the most exquisite salmon-pink, with a very conspicuous blood-red blotch in the throat on the lower petals. Each 6 cts., doz. 60 cts., 100 \$4.50.

MRS. LEON DOUGLAS. Salmon-pink striped with flame and scarlet. A wonder. Very large. Each 20 cts., doz. \$2.00, 100 \$15.00.

MYRTLE. Tender and delicate rose-pink. One of the most beautiful pink varieties yet introduced. Each 8 cts., doz. 85 cts., 100 \$6.50.

REMEMBRANCE. Salmon rose-pink with deeper throat. Ruffled. Fine sturdy spike. Beauty. Each 10 cts., doz. \$1.00, 100 \$8.00.

RICHARD DIENER. Live shade of rose-salmon, creamy yellow center. Considered the finest coloring in a pink Gladiolus. Nearly whole spike opens at once. Very beautiful. Each 20 cts., doz. \$2.00, 100 \$15.00.

ROSE ASH. Old rose overlaid and blended with pink and red, giving the color of ashes of roses. Very attractive tall, strong spikes. Each 10 cts., doz. \$1.00, 100 \$8.00.

SCARLET PRINCEPS. Intense scarlet, slightly deeper in throat. The massive arrangement of flowers on stem is extraordinarily distinct. Each 10 cts., doz. \$1.00, 100 \$8.00.

SWEET LAVENDER. Extremely early, large light lavender with darker throat blotch, bordered yellow. Each 15 cts., doz. \$1.50, 100 \$11.00.

TIFFANY. Tall pure white with a touch of cream in the throat. Very strong grower and fast propagator. Each 15 cts., doz. \$1.50, 100 \$10.00.

TWILIGHT. Blushed creamy buff with throat of beautiful yellow and pink. A very sturdy growing variety. Each 15 cts., doz. \$1.50, 100 \$11.00.

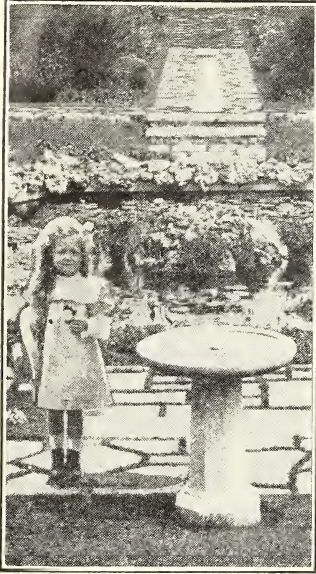
W. H. PHIPPS. Diener's wonder Glad. Beautiful flesh-pink with about 22 blooms to a spike and nearly all opening at a time. The super Glad. Each 65 cts., doz. \$6.50.

PRIMULINUS HYBRIDS, Mixed. Ranging in color through all the shades of yellow and orange. These delicate and gracefully arranged flowers, on long, slender spikes are most exquisite in artistic decorations and are very popular. Each 6 cts., doz. 60 cts., 100 \$4.00.

CADWELL & JONES SPLENDID MIXED. Our own mixture. All the above and other choice sorts. Each 7 cts., doz. 75 cts., 100 \$5.00.



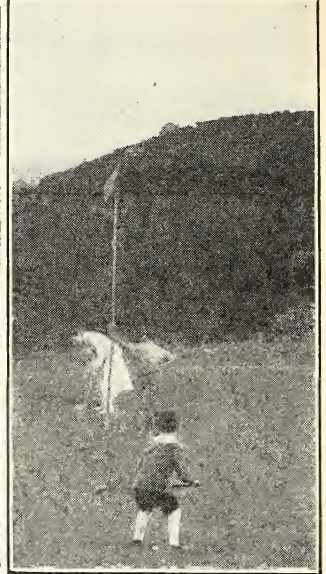
Gladiolus Anna Eberius



Indestructible Metal Bird-Baths



State Capitol and Grounds



Putting on Green

Lawn Grass Seed

We take great pride in the quality of our Lawn Grass Seed and steadily increasing sales show that this quality is appreciated. To prepare a good lawn you must have seed of the proper kind and use plenty of it; you cannot produce a fine and beautiful lawn with ordinary hay seed. Next in importance is the proper preparation of the soil. Spade or plow it deeply, fertilize freely, and make it fine, free from clods and perfectly level, avoiding uneven places.

When to Sow. Plant early in Spring or Fall at the rate of 4 or 5 bushels to the acre. In the Spring sow as early as possible, raking the surface of the soil very fine and then sowing the seed. Cover by rolling with a light roller. In the Fall sow before the Autumn rains have ceased. One quart of our mixture will sow a space 16 feet square, or 256 square feet.

CAPITAL CITY LAWN GRASS

This is a mixture of numerous varieties selected especially to produce a fine, velvety turf. Some kinds are used because they spread along the surface of the ground and keep the lawn "knit together;" others are used because they thrive in dry weather and keep the lawn green, and still others because they thrive early in the Spring and late in the Fall. No one grass can make a good lawn. A scientific blending is necessary. The grasses in the Capital City Mixture are native hardy kinds which will not winterkill, and which will produce a fine sod, under favorable conditions. In the Capital City Mixture there is every good grass and no bad ones. It is not made from a ready-made formula, but is compounded of species generally more expensive and more satisfactory than those that go into the ordinary mixture. It is not a cheap lawn grass, but it is sold as cheaply as we can sell it considering the cost of the materials. Qt. 40 cts., 2 qts. 70 cts., 4 qts. \$1.25, pk. \$2.25, bus. of 20 lbs. \$8.00.

Sheepshead Brand Sheep Manure. One of the best dressings for lawns. Free from weeds and pulverized. See page 62.

EXTRA FANCY DUTCH WHITE CLOVER

SHADY NOOK LAWN GRASS SEED

It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places, and we recommend the use of this special mixture. In extremely shady spots or under trees, a liberal application of lime is recommended in the Fall. Apply sheep manure and sow Shady Nook Lawn seed in early Spring. Qt. 45 cts., 2 qts. 80 cts., 4 qts. \$1.35, pk. \$2.50, bus. \$9.00.

SPECIAL MIXTURES FOR GOLF LINKS

We are prepared to furnish promptly choice qualities of Fancy Re-cleaned Red Top, Kentucky Blue Grass, Perennial Rye Grass, Creeping Bent, Chewing's Fescue and other grasses used on golf courses.

It is to the customer's advantage to secure firm prices at the time seeds are required as all the prices are subject to market changes.

FAIR GREEN MIXTURE. For general use on golf links.

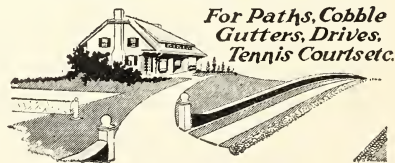
PUTTING GREEN MIXTURE. A mixture of grasses best suited to produce a close, firm, lasting turf, which will endure frequent cutting.

AMMO-PHOS-20-20 applied to lawns will discourage weeds and dandelions and encourages lawn grasses. See page 63.

"HERBICIDE"

THE WEED EXTERMINATOR

For Paths, Cobble
Gutters, Drives,
Tennis Courts, etc.



Novelties and Specialties in Flower Seeds



Calendula Orange King

Aster—American Beauty Giants

A recently introduced variety blooming in late September and October. Monster blooms on long stems. **Azure Fairy, Dark Lavender, Peach Blossom, Purple Rose** (Shell-pink September Beauty), **White, Finest Mixed**. All varieties, pkt. 15 cts.

Aster—Giants of California

A new late variety of the Crego type; Extra long stems, curled and twisted petals, enormous flowers. **Dark Purple, Light Blue, Peach Blossom, White, Finest Mixed**. All varieties, pkt. 20 cts.

Calendula Orange King, Selected

Valuable hardy annuals the double, showy, large, dark, double orange flowers borne from June to November are useful for cutting. **Pkt. 10 cts.**



English Prize Delphiniums

BLACKMORE & LANGDON'S English Prize Delphiniums

This is unquestionably the finest strain of Hybrid Larkspurs ever offered. The plants are of strong, vigorous habits with large flowers on spikes two feet and over long. **Pkt. 35 cts.**

Early-flowering Double Anemone Cosmos

Flowers are borne profusely on bushy plants 5 to 6 feet high and are of lasting substance both on the plants and as cut flowers. **Crimson, Pink, White, Finest Mixed**. All varieties, pkt. 20 cts.

California Fringed Ruffled Giant Petunias

A California strain producing enormous flowers, having the edges deeply fluted and ruffled. **Pkt. 25 cts.**

"Coltness Hybrid" Dahlias

Easily raised from seed averaging 18 inches high, bearing a continued succession of bloom from July until frost, with well expanded flowers about 3 inches in diameter. Extremely attractive for bedding and garden decoration. **Pkt. 35 cts.**



Early-flowering Double Anemone Cosmos

Empire Strain Pansy

This unexcelled mixture represents the highest perfection of large flowering, new, high-colored sorts. Their brilliancy and richness are most striking. **Pkt. 35 cts.**

Zinnias, Giant Dahlia-flowered

Come in the pastel shades, being very distinctive. Flowers often measure 8 inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit.

Care has been taken to select seed from the best flowers, and the mixture we offer contains a wonderful range of beautiful colors. **Pkt. 20 cts.**

Polar Bear. The best large, pure white Zinnia yet seen. **Pkt. 20 cts.**

Exquisite. Tyrian rose color, light rose, with center deep rose. **Pkt. 20 cts.**

Crimson Monarch. By far the largest and best red Zinnia. **Pkt. 20 cts.**

Oriole. It is an immense orange and gold bicolor. **Pkt. 20 cts.**

Buttercup. An immense, deep, creamy yellow. A very desirable flower, which should be included in every collection. **Pkt. 20 cts.**

"Surprise Packet" Flower Seeds

This mixture of flower seeds is a source of great curiosity and is specially suitable for children's gardens. There are so many different kinds of flowers in it that it produces a mass of bloom continuously from early Summer until frost. Sow thinly, scattering the seeds on the surface of the soil, in beds or borders, rake lightly and firm the soil with the back of a spade. Where the seedlings come up too close together, thin out or transplant. **Pkt. 10 cts., oz. 25 cts.**

Cynoglossum (Chinese Forget-me-not)

Amabile. A very favorable recently introduced annual, producing intense Forget-me-not-like flowers throughout the Summer months. **Pkt. 10 cts.**



California Fringed Ruffled Giant Petunias



FLOWER SEEDS

PLAN AND PLANT A FLOWER GARDEN FOR BEAUTY, HEALTH AND RECREATION

Brief Hints on Sowing and Cultivation

The Soil. A mellow loam, which is a medium earth between the extremes of clay and sand, enriched with a compost of rotted manure and leafmold, is adapted to the general run of flowering plants. Previous to planting flower beds or borders, care must be taken that they are so arranged that the ground may be a little elevated in the middle, that the water may run off, and that the plants may show to better advantage.

Sowing the Seed. Nine-tenths of the failures in flower culture come from improper treatment of the seeds and young plants. We urge every purchaser of our seeds to carefully study the cultural directions printed on each package, and the following general rules:

Do not plant any of the seeds when the ground is wet. Make the surface as fine and smooth as possible. Cover each sort of seed to a depth proportionate to its size; the finest, like *Portulaca*, *Campanula*, *Digitalis*, etc., should be merely sprinkled on the surface of the ground, and barely covered with finely sifted, light, mellow soil. Press the soil down firmly over the seed with a brick or short piece of board. For large seeds, the depth should be regulated according to size of seed; those the size of a pin-head, $\frac{1}{2}$ inch deep, and those the size of a pea, $\frac{3}{4}$ of an inch.

Procure a bit of lath (it would be better if planed smooth) about 2 feet long, press the edge down into the soil evenly, so as to make a groove as deep as the seed is to be planted; scatter the seed along this, allowing four or five of the larger to fifteen or twenty of the smaller seeds to the space one plant is to occupy when grown. Cover the seed by pressing earth together over it, then turn your lath sideways and press soil down firmly and evenly.

NOTICE FREE DELIVERY

All flower and vegetable seeds in packets, ounces, $\frac{1}{4}$ pounds and pounds. Bulbs at single and dozen rates as quoted in this catalog will be postpaid anywhere in the United States unless otherwise noted.

Adonis

A pretty annual of easy culture, with showy flowers and handsome foliage. Hardy annuals.

Aestivalis (Flos Adonis). Scarlet. 1 ft. Pkt. 10 cts.

Acroclinium

A beautiful, everlasting flower, largely used for Winter bouquets, for which purpose the flowers should be cut before fully expanded. Half-hardy annuals.

Double Mixed. 1 ft. Pkt. 10 cts.

Single Mixed. 3 ft. Pkt. 10 cts.

Ageratum

This plant keeps up an almost constant bloom throughout the Summer and is particularly effective for bedding as well as decidedly valuable for cut flowers. It has the further merit of being of the easiest culture. Can be started in hotbed or window box and transplanted after frost. Half-hardy annuals.

Mexicanum. Lavender-blue. 2 ft. Pkt. 10 cts.

Album. White. 15 in. Pkt. 10 cts.

Blue Perfection. This is the darkest colored of all large flowering Ageratums. Color deep amethyst-blue, compact growth; fine bedder. Pkt. 10 cts.

Tom Thumb. Blue; rarely exceeds 6 in. in height.

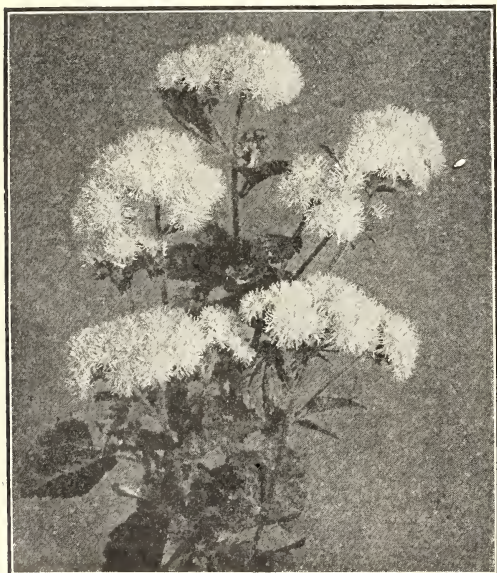
A very desirable variety, good for edges of beds, etc. Pkt. 10 cts.

Alyssum

Whether grown for Summer blooming, or for flowering in Fall and Winter in the parlor or greenhouse, its easy culture and the delicate honey-like fragrance of its flowers, so much prized in bouquets and baskets, makes this old favorite largely grown. Flowers white. Hardy annual.

Sweet Alyssum. 1 ft. Pkt. 10 cts., oz. 35 cts.

Tom Thumb Sweet Alyssum. $\frac{1}{2}$ ft. Pkt. 10 cts.



Ageratum

Asters

On account of their easy culture and vigorous growth. Asters are deservedly popular. For blooming in September and October, when they flower at their best, sow the seed in the open ground early in May. If earlier blooms are wanted, they may be sown in cold-frames or in boxes or pots in the house. Cover the seeds about 1/2 inch with rich, light soil. When the plants have three or four leaves, transplant 18 inches apart in beds in which well-decayed (not fresh) manure has been thoroughly incorporated. A good dressing of wood ashes stirred into the surface of the bed is very beneficial to the growth of plants and prevents disease.

ASTER, American Beauty Giants. See page 5.

ASTER, Giants of California. See page 5.

NEW BRANCHING. The flowers are like beautiful Chrysanthemums, large, very graceful, produced on long stems, well above the foliage; grand for cutting. Plants extra large and of strong growth; one plant will cover a space 2 1/2 ft. square. By far the most satisfactory grown.

	Pkt.		Pkt.
Mixed	\$0.10	Purple	\$0.10
White .....	.10	Lavender .....	.10
Pink .....	.10	Rose .....	.10
Crimson .....	.10	Dark Violet .....	.10

QUEEN OF THE MARKET. A handsome, profuse early blooming class of graceful, spreading habit, producing finely formed, double flowers two or three weeks before most others begin to bloom; extensively grown for cutting. 1 1/2 ft.

	Pkt.		Pkt.
Rose	\$0.10	Pink	\$0.10
Lavender .....	.10	Crimson .....	.10
Purple .....	.10	White .....	.10
Various Colors Mixed .....	.10		

EARLY BRANCHING or ROYAL ASTERS. An early flowering type of our already popular new branching variety, coming into bloom in July or early August. Their free flowering habit makes them desirable for bedding or borders, while their long stemmed flowers are ideal for cutting.

	Pkt.		Pkt.
White	\$0.10	Lavender	\$0.10
Shell-Pink .....	.10	Purple .....	.10
Deep Rose-Pink .....	.10	Mixed .....	.10

CREGO'S GIANT ASTER. A magnificent Aster of the Comet type, but superior to it in every way. It has a branching habit, with very long stems.



New Branching Aster

and large flowers. The petals are long and beautifully curled and twisted. Distinctly an American production and includes some of the finest shades. 2 ft. Pkt. Pkt.

Rose-Pink	\$0.10	Shell-Pink	\$0.10
Lavender .....	.10	Purple .....	.10
White .....	.10	Mixed .....	.10

HEART OF FRANCE ASTER. The best pure red Aster ever introduced. Heart of France opens red as the purest ruby. The flowers are large and full, with never a trace of a hollow center. The stems are long. Pkt. 15 cts.

CHINA ASTER. This is a mixture of many fine sorts and all colors.

Fine Mixed

Arctotis

grandis. The large, Daisy-like white and lilac blooms of this fine, hardy annual are excellent for cutting. 2 ft. Pkt. 10 cts.

Asparagus

An excellent pot plant for conservatory or house decoration.

Plumosus nanus. Feathery, fern-like foliage. Pkt. 15 cts.

Sprengeri. Drooping, feathery foliage; excellent for hanging baskets. Pkt. 10 cts.

Balloon Vine

A handsome Summer climber, having small white flowers. 15 feet. Hardy annual. Pkt. 10 cts.

Balsam (Lady's Slipper)

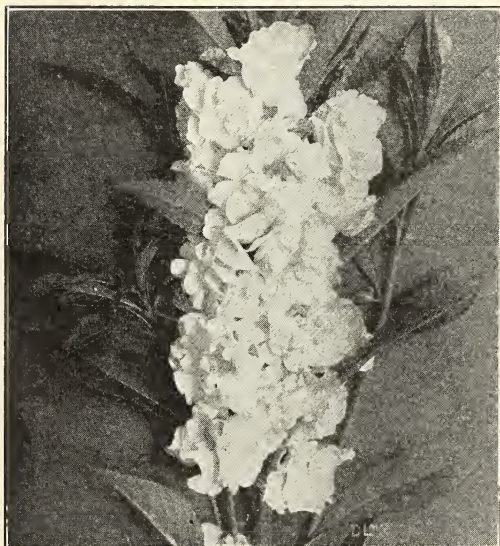
This favorite annual has been continually improved for several years, the flowers of some strains being perfectly double and of immense size, rivaling in beauty those of the Camellia. The strain we offer is of this improved type, and is remarkable for bright and effective colors, embracing varied and brilliant self-colors, also superbly mottled and striped varieties. Tender annuals.

Camellia-Flowered. Choicest mixed varieties. Pkt. 10 cts.

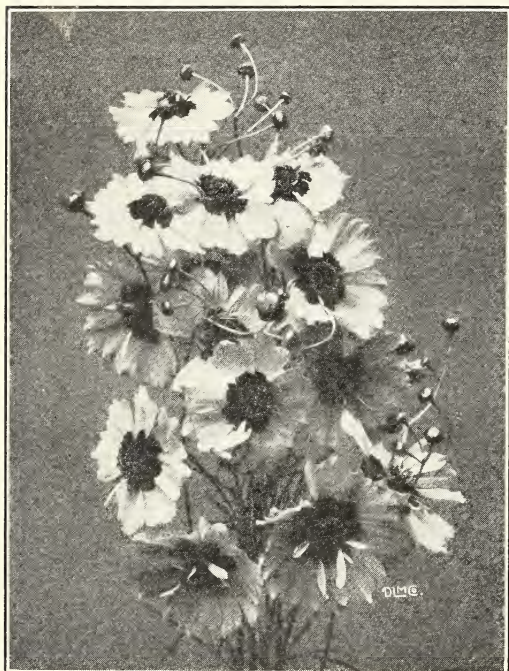
Pure White. The most double Balsam grown. Pkt. 10 cts.

Flesh Colored. Fine. Pkt. 10 cts.

Double Fine. Mixed. Pkt. 10 cts.



Camellia-Flowered Balsam



Calliopsis, or Coreopsis

Bartonia

Aurea (Golden Star). Is a native of California, and one of our showiest annuals. It produces large, single, golden yellow flowers which have quite a metallic luster when the sun shines on them. A large cluster of yellow stamens adds to the effectiveness of the blossoms, which measure nearly 3 inches across. 1 ft. Pkt. 10 cts.

Begonias (Ever-blooming bedding varieties)

Fibrous-rooted Begonias take rank as bedding plants with Geraniums and Coleus, doing equally well in full sunlight, and surpassing both in position partially or wholly in shade. They are sturdy of growth, growing 1 foot high, forming dense bushes completely hidden with flowers from May until frost. As pot plants for Winter flowering, they are superb, being a mass of bloom throughout the entire year. Easily raised from seed which should be started either indoors or in a hot-bed.

Semperflorens (Single Mixed). This mixture contains all colors from pure white to deepest crimson. Pkt. 20 cts.

Calliopsis, or Coreopsis

Showy, hardy plants, with rich, bright-colored flowers blooming through the entire season. Hardy annuals 2 feet.

Mixed Pkt. 10 cts.

Calendula (Pot Marigold)

Meteor. Very handsome, perfectly double and beautifully striped; the petals cream-color, edged with orange-yellow. The color is very striking, and the profusion with which they bloom for months is remarkable. Hardy annual. Pkt. 10 cts.

Prince of Orange. This plant produces large, brilliant, deeply imbricated flowers in great profusion. The color is a pale straw-yellow, striped with a most intense shade of orange. Pkt. 10 cts.

Large Flowered. This strain of Calendulas produces flowers of very large size in two shades, deep lemon and orange-red. Mixed. Pkt. 10 cts.

Orange King. See Specialties, page 5.

Canary-Bird Flower

There is no more desirable climbing plant in cultivation than this. It is of rapid growth, and produces an abundance of yellow-fringed flowers. Half-hardy annuals. 10 feet. Pkt. 10 cts.

Candytuft (Iberis)

One of the most popular hardy annuals, almost equal to Sweet Alyssum. Like it, is of the easiest culture. 1 foot. Hardy annual.

Giant Hyacinth-Flowered White. Very useful for cutting. Pkt. 10 cts.

Fine Mixed. Pkt. 10 cts.

Canna (Indian Shot)

With foliage of tropical luxuriance, this plant is particularly suitable for forming groups on lawns, or placed as backgrounds for dwarfier growing plants. Half-hardy perennial.

Finest Mixed Pkt. 10 cts.

See page 19 for Canna Roots.

Cardinal Climber

This new climber is exceedingly vigorous and beautiful. The brilliant scarlet flowers contrast strikingly with the rich green, fringed leaves. Excellent for trellises and pergolas. It grows to a height of about 20 feet on good soil. The hard-shelled seeds should be soaked for a few hours in warm water prior to sowing. Pkt. 15 cts.

Carnation

Marguerite. These superb, dwarf Carnations have become great favorites, not only by reason of their fine, double, fragrant flower, but also because they can be treated as annuals. Like the Chinese Pinks, they flower freely the first season from the seed sown in the open ground. Pkt. 10 cts.

Clarkia

An old favorite. Hardy annual.

Finest Mixed Varieties. Pkt. 10 cts.

Cleome Pungens (Spider Plant)

A pretty plant with curious heads of pink flowers. Hardy annual. 2 ft. Pkt. 10 cts.



Calendula (Pot Marigold)

Centaurea (Dusty Miller)

Valuable for ribbon bedding, the silvery whiteness of the leaves being very effective. Perennials.

Gymnocarpa. A graceful, silver-foliage variety. Pkt. 10 cts.

BACHELOR BUTTONS

Cyanus minor. Also often called Cornflower and Ragged Sailor. One of the finest annuals grown for cut flowers. Blooms all Summer. Hardy annuals.

Mixed Pkt. 10 cts.
Dark Blue. Finest double Pkt. 10 cts.

Imperialis (Royal Sweet Sultan). Beautiful, sweet-scented flowers borne on long stems, lasting for several days after cutting. Pkt. 10 cts.

Chinese Woolflower

A much admired and effective form of the feathered Celosia, growing 2 to 3 feet high, well branched and each branch terminating with a large head or ball of rich flowers of a silky, wool-like appearance, blooming early and lasting till killed by frost. Will keep for weeks when cut, retaining its rich color. Annuals of easiest culture.

Crimson, Dark Pink, Yellow. Each pkt. 10 cts.

Chrysanthemum

The colors have the appearance of being laid on with the brush, and for this reason they are frequently called "Painted Daisies." Hardy annuals.

Mixed Annual Varieties. Single Pkt. 10 cts.

Mixed Annual Varieties. Double Pkt. 10 cts.

Cineraria

One of the most beautiful plants that can be grown for decorative purposes. Seeds should be sown in June and July and plants will be large enough for all purposes in the greenhouse or conservatory during the Spring months.

Dwarf Large-Flowering Mixed. Dwarf, compact habit with immense trusses of large flowers in rich colors. Pkt. 25 cts.

Cobaea

A fine Summer climbing plant, quick growing and bearing large, bell-shaped flowers. In sowing, place the seed edgewise. Half-hardy perennial.

Scandens. Purple. 20 feet. Pkt. 10 cts.

Cockscomb

Celosia cristata. Annual plants of tropical origin, and one of the most satisfactory and showy plants for garden decorations. Half-hardy annuals.

Dwarf. Mixed. 1 ft. Pkt. 10 cts.



Centaurea, Cyanus Minor



Early Large-Flowering Hybrid Cosmos

Coleus

Hybrids Mixed. Ornamental foliage plants used extensively for bedding. Pkt. 20 cts.

Convolvulus (Morning Glory)

All will recognize this most popular annual, for in this tribe is included the well-known Morning Glory. The Minor varieties are largely used and well suited for bedding. They attain an average height of 1 foot. Half-hardy annuals.

Major. Mixed. 15 ft. Pkt. 10 cts., oz. 20 cts.

Minor tricolor roseus. 1 ft. Beautiful rose-colored flowers, with pure white center, fringed with purple and shading away toward the throat in five broad bands of rich golden yellow. Pkt. 10 cts.

Japanese Giant. Most beautiful strain, with immense flowers of finest colors and markings and are beyond doubt the handsomest of all Morning Glories. Pkt. 10 cts.

Heavenly Blue. Immense beautiful flowers of bright sky-blue. Seed should not be sown outside till ground is warm. Pkt. 15 cts.

Cosmos

These graceful, Autumn-flowering annuals, with their feathery foliage and their large, showy single flowers, are a delight in the garden and exquisite as cut flowers.

Early Large-Flowering Hybrids. A selection of the early flowering sorts with larger flowers. Seed sown outdoors in May will produce plants which will flower from July to frost. 4 to 5 ft.

Mixed Pkt. 10 cts.

Pink Pkt. 10 cts.

White Pkt. 10 cts.

Crimson Pkt. 10 cts.

Giant Late-Flowering. Flowers from August to frost. 5 to 6 ft.

Mixed Pkt. 10 cts.

New Double. See Specialties, page 5.

COREOPSIS. See **Calliopsis.**

Cypress Vine

A popular annual climbing plant, with delicate, fern-like foliage. Half-hardy annuals. 15 feet.

Scarlet Pkt. 10 cts.

White Pkt. 10 cts.

Mixed Pkt. 10 cts.



Chinese Woolflower



Dianthus, Japanese Pinks

Dianthus (Pinks)

The China Pinks are deservedly very popular, as but few flowers can equal them in beauty and profusion of bloom. They comprise many distinct and most beautiful marked varieties of rich and varied colors. They blossom continually all Summer and Fall, until overtaken by severe frost; they live over Winter and blossom again the second season. They are alike ornamental in the garden or for bouquets. The plants grow generally 10 to 15 inches high, and are of the easiest cultivation. So satisfactory a class of flowers should be grown in large variety in every garden. Hardy annuals, almost as handsome as Carnations.

China, or Indian Pink. Fine, double mixed. Pkt. 10 cts.
Japanese Pink. Finest single mixed in great variety. Pkt. 10 cts.

Double Diadem Pink. Hieroglyphically marked like the original Chinese Pinks in the middle down to the base of each petal; very double, large flowers; magnificent in color and variety. Pkt. 10 cts.

Dahlia

Single. Many of the varieties of these single Dahlias are exceedingly beautiful, and the seed we offer, saved from one of the best collections extant, may be expected to produce many distinct desirable sorts. Perennials. Pkt. 10 cts. See page 19 for **Dahlia Roots**.

Double Large Flowering. Saved from a superb collection containing a very varied range of colors. Pkt. 20 cts.

COLTNESS HYBRIDS. See page 5.

Daisy (Bellis perennis)

Charming little plants for edging and borders.

Giant Double White Pkt. 25 cts.
Giant Double Red Pkt. 25 cts.
Giant Double Pink Pkt. 25 cts.
Giant Double Mixed Pkt. 25 cts.

Dimorphotheca (South African Daisy)

Aurantiaca. A rare and exceedingly rich flowering annual of easy culture. Pkt. 15 cts.

Didiscus

Cœrulea (Blue Lace Plant). Hardy annual producing lacey, beautiful, sky-blue flowers from July to frost. Desirable as a cut flower. Plants about 18 in. high. Pkt. 20 cts.

Eschscholtzia (California Poppy)

Very profuse blooming plants of extremely rich and beautiful colors. 1 foot. Hardy annuals.

Fine Mixed. All colors. Pkt. 10 cts.

FORGET-ME-NOT. See *Myosotis*. Page 18.

Euphorbia

Strong growing annuals suitable for beds of tall growing plants or mixed borders, the foliage is highly ornamental, the flowers inconspicuous.

Variiegata (Snow on the Mountain). Attractive foliage veined and margined with white. Pkt. 10 cts.

Gaillardia (Blanket Flower)

Beautiful, showy plants, natives of this country, presenting quite a diversity of color. Hardy annuals.

Double Lorenziana. Pkt. 10 cts.

Grandiflora. Perennial. See page 18.

Gilia

Very pretty, dwarf plants, will bloom in almost any situation; admirably adapted for massing. Hardy annuals.

All Colors Mixed Pkt. 10 cts.

Globe Amaranthus

Remarkably handsome. Everlasting. The flowers may be cut in Summer and preserved for Winter bouquets. Half-hardy annuals.

Purple. 2 ft. Pkt. 10 cts. **Mixed.** All colors. Pkt. 10 cts.

Godetia

Worthy of extended cultivation; their delicate tints of purple and pink have long made them favorites in English gardens, although natives of America. Hardy annuals.

Fine Mixed Pkt. 10 cts.

Gourds (Ornamental)

All of this climbing genus are of rapid growth, and produce fruit of peculiar and varied forms. Tender annuals.

Bottle-Shaped Pkt. 10 cts.
Dipper Pkt. 10 cts.
Egg-Shaped Pkt. 10 cts.
Hercules' Club. A curious sort Pkt. 10 cts.
Pear-Shaped. Ringed Pkt. 10 cts.
Orange. Fruit resembles an orange Pkt. 10 cts.
Sugar Trough Pkt. 10 cts.
Mixed Pkt. 10 cts.



Dimorphotheca



Gypsophila

Grasses, Ornamental

Valuable for their various colored foliage, some varieties for flowers. Many sorts are useful in masses on lawns and in gardens. Mixed Pkt. 10 cts.

Gypsophila (Babysbreath)

Graceful plants, with tiny flowers produced in abundance in loose panicles. Excellent for their delicate effect in bouquets.

Grandiflora alba. Flowers pure white. Pkt. 10 cts.

Helichrysum

(Everlasting Flower)

Flowers mostly used for Winter bouquets, for which purpose they are cut before blooms are expanded



Helichrysum

and dried in the shade. Hardy annuals. **Monstrosum.** Double. The brightest colors mixed. Pkt. 10 cts. **Fireball.** Intense red. Pkt. 10 cts.

Helianthus (Sunflower)

Cucumerifolius, Stella. A very popular Sunflower of branching habit, producing an abundance of small golden yellow, single flowers with black centers. It comes into bloom in July and continues till frost. Invaluable for cutting. 4 ft. Pkt. 10 cts.

Cucumerifolius (Single Miniature Sunflower). Small, single, rich yellow flowers. Plants about 4 ft. tall. Pkt. 10 cts.

Heliotrope

A universal favorite on account of its delightful fragrance; a half hardy perennial flowering during the entire season. Seeds started indoors in early Spring will make fine plants for Summer blooming. Can also be sown outdoors in May.

Giant Hybrids. Mammoth sweet-scented flowers in great variety. Pkt. 15 cts.

Humulus Japonicus (Japan Hop)

Very ornamental and rapid growing climber with handsome, finely cut foliage, which does not suffer from heat or the attack of insects. 15 to 20 ft. Hardy annual.

Green Foliage Pkt. 10 cts.
Variogated Foliage Pkt. 10 cts.

Hunnemannia (Giant Tulip Poppy)

Seed may be sown in May and will flower first season. Foliage is finely cut, similar to California Poppy.

Fumariaefolia. Golden yellow. Pkt. 10 cts.

IBERIS. See Candytuft.

INDIAN SHOT. See Canna.

Ice Plant

Trailing plant, the leaves and stems are covered with crystalline globules, giving it the appearance of being covered with ice. Half-hardy annuals. ½ foot. Pkt. 10 cts.

Ipomoea

Splendid climbers, with large, bright-colored flowers; they are exceedingly pretty when grown among other climbers. Hardy annual.

Noctiflora hybrida (Moonflower). Large, fragrant white flowers. Pkt. 10 cts.

Kochia

Trichophylla (Summer Cypress; Mexican Firebush). Pretty little bushes of pyramidal shape, foliage delicate green, turning bright red in Autumn; the tiny, brilliant scarlet flowers are borne in great profusion. Excellent for temporary hedges. Pkt. 10 cts.

Larkspur (Annual Delphinium)

A most desirable and beautiful genus, the prevailing hue of whose flowers is blue. Hardy annuals.

Dwarf Rocket. Finest mixed double. 1 ft. Pkt. 10 cts.

Tall Rocket. Finest mixed double. 2½ ft. Pkt. 10 cts.

Linum (Flowering Flax)

The garden varieties of this are conspicuous for their brilliant colors. Hardy annuals.

Grandiflorum rubrum. Brilliant dark scarlet. Pkt. 10 cts.



Kochia

Lobelia

Low-growing plants, admirably adapted for the front lines of ribbon borders, and for vases and hanging baskets. Half-hardy annuals.

Mixed Erinus Varieties. Pkt. 10 cts.

Erinus Crystal Palace compacta. A compact, deep blue variety. ½ ft. Pkt. 10 cts.

Marigold

The African varieties are stronger in habit, and produce larger flowers than the French sorts. The striped varieties vary considerably in their markings; they are sometimes blotched or striped and sometimes beautifully gold-laced. The African is the tallest and most striking in large beds, while the French varieties are admirably adapted for small beds or as a foreground to taller plants. Half-hardy annuals.

African Quilled. Orange, brown and yellow. Mixed. 2 ft. Pkt. 10 cts.

Eldorado. The flowers are globular, as perfectly double as a show Dahlia, and of enormous size, measuring 3½ to 4 in. across. They embrace four shades of color—the lightest primrose, lemon, rich golden yellow and deep intense glowing orange. Pkt. 10 cts.

French Dwarf. Orange, brown and yellow. Mixed. 1 ft. Pkt. 10 cts.

For Pot Marigold, see *Calendula*.

Marvel of Peru

(*Four o'Clock*)

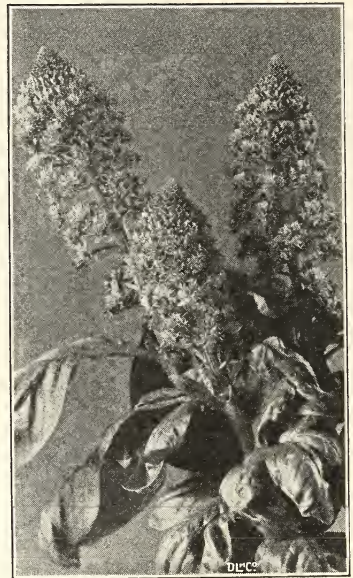
The flowers—red, white, yellow and variegated—grow in clusters to the summit of the stem. They are exceedingly fragrant, expanding in the evening and withering in the morning. The roots may be preserved through the Winter, like Dahlias. Hardy annuals.

Finest Mixed. 2 ft. Pkt. 10 cts.

Mimosa

(*Sensitive Plant*)

A very interesting and curious plant, its leaves closing if touched or shaken. Half-hardy annuals. Pkt. 10 cts.



Mignonette

Mignonette

The Mignonette (*Reseda odorata*) is universally a favorite on account of its delicate fragrance. Thin the plants to 6 inches apart, and pinch off the tops when 2 inches high; this will make the plants stronger with larger flower spikes. Hardy annuals.

Large-Flowering. The old favorite, sweet-scented variety. Pkt. 10 cts., oz. 20 cts.

Machet. A French variety, with broad spikes of fragrant, red flowers. Pkt. 10 cts.



Larkspur (See page 11)

Mimulus (Monkey Flower)

Comprises numerous varieties, with white, sulphur and yellow grounds spotted crimson, scarlet and pink. They luxuriate in damp, shady situations and bloom freely in the early Summer months. Half-hardy perennials.

Musk-scented.....Pkt. 20 cts.

Tigrinus. An exceedingly beautiful, new, blotched and spotted hybrid. Mixed. Pkt. 10 cts.

MORNING GLORY. See *Convolvulus*, page 9.

Finest Mixed. 15 ft. Pkt. 10 cts.

Nemesia

Strumosa Suttoni. A fine little plant for small beds. Leaves are whorled, terminal racemes of white and purplish tinted flowers. Pkt. 15 cts.

Nicotiana (Tobacco Plant)

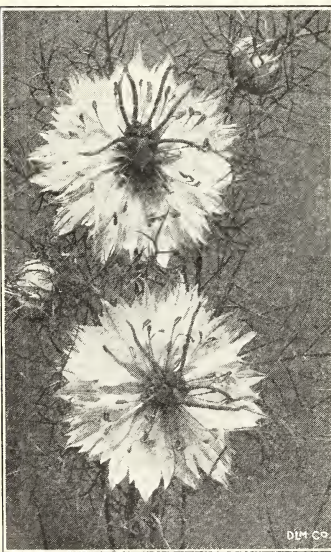
Flowers borne in clusters, long, tube-shaped, opening toward evening and emitting a powerful and pleasant odor.

Affinis. White. 3 ft.....Pkt. 10 cts.

Nigella (Love-in-a-Mist)

An interesting hardy annual with curious double flowers nesting in its feathery, bright green foliage. 1 foot.

Miss Jekyll. Blue.....Pkt. 10 cts.



Nigella



Nasturtium

Nasturtiums are valuable Summer flowering plants for the reason that they require but little care and stand heat and drought well. Seed sown in the Spring in any fair garden soil, not too rich, will produce a profusion of blooms. The colors include all the shades of yellow and scarlet, often spotted and striped. The leaves of some are very light, transparent green, while in others they are very dark, almost purplish. In mixtures which we make up of separate named sorts, the best English, also French and American-grown varieties are found in great variety and cannot be surpassed. Hardy annuals.

TOM THUMB NASTURTIUMS

The Dwarf or Tom Thumb Nasturtiums are unrivaled in beauty and effect. Thrive in poor soil; useful for bedding. 12 inches high.

	Pkt.	Oz.
Aurora. Carmine and primrose.....	\$0.10	\$0.25
Beauty. Yellow-orange, with bright scarlet spots.....	.10	.25
Bronze.....	.10	.25
Cœrulea rosea. Beautiful peach color...	.10	.25
Chameleon. Crimson-bronze and gold; extra choice strain.....	.10	.25
Crimson. Dark crimson-maroon.....	.10	.25
Crystal Palace Gem. Yellow with bright carmine spots.....	.10	.25
Empress of India. Dark foliage; flowers brilliant crimson.....	.10	.25
H. M. Stanley. Copper-colored.....	.10	.25
King Theodore. Dark crimson.....	.10	.25
King of Tom Thumbs.....	.10	.25
Pearl. Moonlight, nearly white.....	.10	.25
Rose. Rosy-crimson, bluish tinge.....	.10	.25
Ruby King. Rich ruby-rose.....	.10	.25
Spotted King. Golden yellow, chocolate spots.....	.10	.25
Violet-Ruby.....	.10	.25
Yellow. Fine clear yellow.....	.10	.25
Cadwell & Jones' Splendid Mixed. Our own mixture. All the above and other choice sorts. ¼ lb. 60c., lb. \$2.00.....	.10	.20
Mixed. Good varieties. ¼ lb. 40c., lb. \$1.40.....	.05	.15

TALL NASTURTIUMS

	Pkt.	Oz.
Black-Brown.....	\$0.10	\$0.25
Bright Rose.....	.10	.25
Brownish Lilac.....	.10	.25
Chameleon.....	.10	.25
Chocolate.....	.10	.25
Dark Crimson.....	.10	.25
Orange.....	.10	.25
Pearl Moonlight.....	.10	.25
Rose Twilight.....	.10	.25
Scarlet.....	.10	.25
Spotted.....	.10	.25
Straw-Color. With scarlet stripe.....	.10	.25
Striped.....	.10	.25
Sunlight. Large yellow.....	.10	.25
Violet-Ruby.....	.10	.25

LOBBIANUM VARIETIES

	Pkt.	Oz.
Brilliant. Dazzling scarlet.....	\$0.10	\$0.25
Cardinale. Dark cardinal-red.....	.10	.25
Finest Mixed. Brilliant colors.....	.10	.25
Madame Gunther Hybrids. The flowers are striped or blotched with shades of red on yellow and orange ground. Finest mixed, ¼ lb. 60 cts., lb. \$2.00.....	.10	.20
Cadwell & Jones' Splendid Mixed. Our own mixture; all the above and many other choice sorts. ¼ lb. 60 cts., lb. \$2.00.....	.10	.20
Mixed. Good varieties. ¼ lb. 35 cts., lb. \$1.40.....	.05	.15

Pansy

The Pansy is very popular and too well known to need description. Seed sown from the middle of July to the middle of August and protected through the Winter in coldframes or with a light covering of litter will greet you in the earliest Spring with a profusion of blossoms. When sown in the Spring get it in as early as possible, either in a hotbed or in the open. Hardy perennial.

Cadwell & Jones' Splendid Mixed. A superior mixture, selected from choice, large flowering strains of English and French growers. Pkt. 20 cts.

Empire Strain. See specialties. Page 5.

Giant Trimardeau. Remarkable for the extra large size of the flowers, most of which are marked with three large blotches or spots. Pkt. 15 cts.

Giant Mme. Perret. A vigorous, free grower, producing giant blooms in profusion of many fine shades, especially in red. Pkt. 15 cts.

Large-flowering Choice Mixed. The flowers are uniformly of very large size, beautifully stained and blotched. Pkt. 10 cts.

Beaconsfield. A deep purple-violet, shading to white on upper petals. Pkt. 10 cts.

Faust. The densest black Pansy known. Pkt. 10 cts.

Pure White. A delicate white. Pkt. 10 cts.

Pure Yellow. Pkt. 10 cts.

TUFTED PANSIES. *Violas*, see page 18.



Pansies

Petunia

Favorite plant, succeeding well in any rich soil. For the brilliancy and variety of their colors, abundance of flowers and the long duration of their blooming period, they are indispensable in any garden.

California Fringed Ruffled Giants. Enormous flowers, having edges of petals beautifully ruffled and fluted. Pkt. 25 cts.

Striped and Blotched. Extra fine mixed. Pkt. 10 cts.

Double Large-flowering. Mixed. Pkt. 25 cts.

Rosy Morn. Bright pink, a lovely shade for bedding out. Pkt. 10 cts.

Balcony Type. A splendid, free flowering type for bedding or window boxes, vases, hanging baskets, etc. Flowers average 3 in. across and are of rich colors. Finest mixed. Pkt. 10 cts.

Physalis

Francheti (Chinese Lantern Plant). Hardy perennial, fruiting first year from seed when started early. The fruits may be seen in florists shops and are interesting; of splendid decorative value. Pkt. 10 cts.



Physalis

Phlox drummondii

These flowers are of extreme beauty, and are greatly admired by all. Their long duration in bloom combined with their almost unequaled richness of color renders them of invaluable service in the general flower garden, and a finer sight than a bed of *Phlox drummondii* is rarely to be seen. Half-hardy annuals.

Grandiflora. A much improved strain with very large flowers in great variety of colors.

Finest Mixed. Pkt. 10 cts.

Alba. Pure white. Pkt. 10 cts.

Bright Rose. Pkt. 10 cts.

Brilliant. Bright scarlet. Pkt. 10 cts.

Black Warrior. Dark crimson. Pkt. 10 cts.

PHLOX decussata. Hardy perennial, see page 18.



Shirley Poppy

Poppy

A showy and easily cultivated hardy annual, with large and brilliantly colored flowers, and growing freely in any garden soil, producing a fine effect in large clumps or mixed beds. Sow early in the Spring where they are to remain, as they will not bear transplanting. 2 feet.

Carnation-flowered. Double mixed. 2 ft. Pkt. 10 cts.

French, Ranunculus-flowered. Double mixed. 2 ft. Pkt. 10 cts.

Shirley. These are generally single or semi-double; color extending from pure white through the most delicate shades of pale pink, rose and carmine to deepest crimson. Pkt. 10 cts.

White Swan. The flower is of fabulous size, very double, laciniated, of the purest possible white. Pkt. 10 cts.

Portulaca (Sun Plant)

Hardy annuals of the easiest culture, luxuriating in an exposed sunny situation, and producing flowers of almost every hue in the greatest profusion. ½ ft.

Splendid Mixed. Single, all colors. Pkt. 10 cts.

Large-flowering. Double mixed. Pkt. 10 cts.

Primula

Obconica grandiflora. A lovely, profuse blooming Primrose, bearing on long, slender stems, about 9 in. in height, beautiful single flowers, white, shaded lilac. An excellent house plant. Pkt. 25 cts.

Ricinus (Castor Oil Bean)

Tall, majestic plants for lawns, with leaves of glossy green, brown or bronzed metallic hue, and long spikes of prickly capsules of scarlet and green. Grows quickly in rich soil. Tender annual.

Gibsoni. Handsome, deep red foliage. Pkt. 10 cts.

Sanguineus. Leaves green, stalks blood-red, showy red fruit. 8 ft. Pkt. 10 cts.

Zanzibariensis. The leaves of this new variety attain a gigantic size, measuring 2 to 2½ ft. across, and include light and dark green and coppery-bronze colors. The plant forms a noble pyramid, 12 to 14 ft. high. Pkt. 10 cts.

Salpiglossis

Beautiful, Autumn-blooming plants, with funnel-shaped flowers, curiously veined and marbled. Half-hardy annuals.

Large-flowered. Finest mixed. 1½ ft. Pkt. 10 cts.

Salvia (Flowering Sage)

One of the most beautiful of all flowers; brilliant spikes of scarlet flowers produce for months a dazzling effect. Half-hardy perennials.

Farinacea (The Blue Salvia). Pkt. 10 cts.

Splendens. Vivid scarlet. Pkt. 10 cts.

Scabiosa

Mourning Bride, or Sweet Scabious. The flowers are quite double and globular, varying in all shades of white, carmine, maroon, lilac, etc. 1 ft. Pkt. 10 cts.

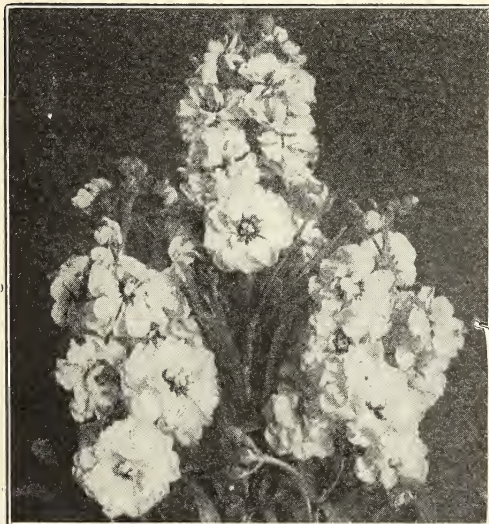
Schizanthus (Butterfly, or Fringe Flower)

Erect growing for the house or garden. Noted for its wonderful variety of coloring. Of easy culture; its peculiarly shaped and oddly marked flowers fine for cutting.

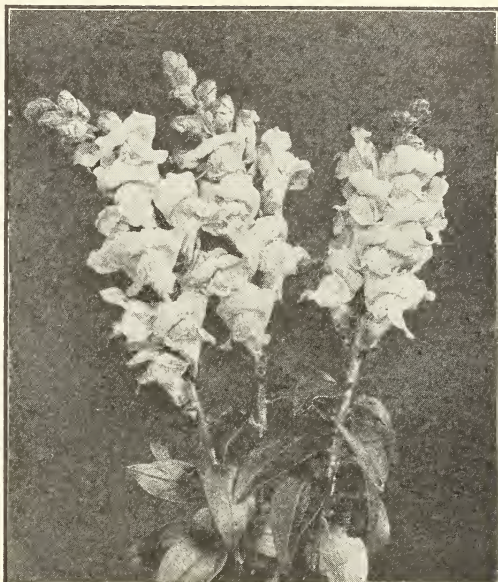
Hybridus grandiflorus. Finest mixed. Pkt. 10 cts.

Wisetonensis. One of the finest large flowered sorts, colors ranging from pink with brown center to white, yellow center. Excellent for pot plants. Pkt. 25 cts.

SENSITIVE PLANT. See Mimosa.



Stocks



Snapdragon

Snapdragon (Antirrhinum majus)

An old border plant with dark and glossy leaves and large, curiously shaped flowers, with finely marked throats. They have been much improved of late years by careful selection. They blossom the first season from seed sown in Spring. Tender perennials.

	Pkt.		Pkt.
Pure White.....	\$0.10	Scarlet.....	\$0.10
Yellow.....	.10	Rose.....	.10
Delicate Rose.....	.10	Salmon-Pink.....	.10
Finest Mixed.....	.10	Dwarf Mixed, 1 ft.	.10

Stocks, Gilliflower (Ten Weeks)

All the varieties are desirable as pot plants as well as in the open garden. They are greatly prized for cut flowers on account of their fragrance and diversity of colors. To have a continuous succession of bloom, sow at intervals from the beginning of March to the end of May. Half-hardy annuals.

Large Flowering Ten Weeks. Fine for pot plants.

	Pkt.		Pkt.
Finest Mixed.....	\$0.10	Blood-Red.....	\$0.15
Brilliant Rose.....	.15	Violet.....	.15
Pure White.....	.15		

Thunbergia

Extremely ornamental, free blooming climbers, of rapid growth, handsome foliage and much admired flowers; good for greenhouses or in warm situations out-of-doors. Half-hardy annuals.

Mixed Varieties. Pkt. 10 cts.

Verbena

Verbenas in quantity are more easily obtained from seed than from cuttings, and there is, moreover, a chance of raising novelties. Sown in Spring they flower quite early in the season, and a single plant in good rich soil will cover a space 4 or 5 feet in diameter, producing, if the flowers are cut as they fade, a mass of bloom until killed by frost. Half-hardy perennials.

Extra Fine Mixed. Pkt. 10 cts.

Selected List of Giant Spencer Sweet Peas

These are an entirely new type of Sweet Peas, of enormous size, and with standards and wings peculiarly waved and crinkled. The blossoms are much larger and more beautiful than any heretofore known. Orchid-flowered Sweet Peas bloom more profusely than others. A large percentage of them bear three or four immense blossoms on each stem. The stems are large and strong, a feature of exceptional value for cutting.

INOCULATE THIS
SEED WITH
MULFORD CULTURE

The following Sweet Peas listed have been selected as being up to date and the finest in their class.

Use **Mulford Culture** for prize Sweet Peas. See page 43.

Prices, all varieties, except where noted:

Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.

Annie Ireland. Pure white, edged terra cotta pink.

Barbara. Large salmon-orange.

Charity. A fine scarlet crimson.

Constance Hinton. The finest dark seeded white variety.

Daisy Bud. Pale, apple-blossom pink.

Doris. Pale, soft salmon cerise.

Elegance. Giant blush lilac.

Hawmark Pink. Deep rose-pink, shaded salmon.

Jean Ireland. Cream, edged carmine-rose, white ground.

King White. Large, pure white.

Mrs. A. Hitchcock. Fine pale cream pink.

Mrs. Cuthbertson. Bicolor, rosy-pink standard, white wings.

Mrs. Tom Jones. Best azure blue.

Picture. Deep La France pink or cream.

R. F. Felton. Lavender.

Rosabelle. Fine bright rose.

Royal Purple. Rich purple.

Royal Scot. Glowing scarlet cerise.

Senator. Large, chocolate striped and flaked white.

Snowball (New). A dazzling pure white unusually perfumed. Pkt. 15 cts., oz. 75 cts.

Tangerine. Improved large orange.

Valentine. Shell-pink.

Warrior. Fine dark maroon.

SWEET PEA BRUSH. 4 to 6 feet.



Giant Spencer Sweet Peas, R. F. Felton

CADWELL & JONES' GIANT SPENCER VARIETIES, MIXED

The best of the Spencers in a selected mixture. Without an equal and cannot fail to give satisfaction.

Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.50.

Sweet Peas, Early Flowering Spencers

This desirable new class of Sweet Peas is steadily gaining in popularity. The flowers have all the excellent qualities of the later flowering Spencers but will bloom a full month or more earlier and furnish an abundance of flowers during a very long season. They are equally valuable for growing under glass or for planting outdoors.

Early All White. Largest Early waved pure white. Pkt. 10 cts., oz. 60 cts.

Early Amethyst. Royal purple. Pkt. 10 cts., oz. 60 cts.

Early Mrs. Kerr. Salmon. Pkt. 15 cts., oz. 75 cts.

Early Fair Maid. Blush-pink, suffused salmon. Pkt. 10 cts., oz. 60 cts.

Early Glitters. Bright fiery orange cerise. Pkt. 10c., oz. 60c.

Early Grenadier. Dazzling scarlet. Pkt. 10 cts., oz. 60 cts.

Early New Blue. Deep blue. Pkt. 15 cts., oz. 75 cts.

Early Orange King (New). Glowing intense orange. Pkt. 25 cts., oz. \$1.25.

Early Rose Dore. Rose-pink, suffused orange. Pkt. 15 cts., oz. 75 cts.

Early Snowstorm (Improved). A very desirable early white. Pkt. 15 cts., oz. 75 cts.

Early Sweet Lavender (New). Pure lavender self. Pkt. 15 cts., oz. 75 cts.

Early Zvolanek's Rose. Giant rose-pink (select strain). Pkt. 10 cts., oz. 75 cts.

Early Flowering Spencers, Mixed. A choice mixture of the above varieties. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35.

Wild Cucumber

Rapid growing annual climbers with ornamental seed pods and large seed. Soak the seed in warm water overnight and plant with the eye down. 20 feet. Pkt. 10 cts.

Zinnia (*Grandiflora robusta*)

The double Zinnia is one of the sterling novelties of recent years. The flowers are large, beautifully formed and exceedingly handsome. Few plants in the flower border are more effective, and scarcely any flower when cut is more suitable for table bouquets. The seed may be sown in the open ground or in heat, according to the time it is desired to flower. Half-hardy annuals.

- | | | |
|------------------------------------|-----------------------|----------------------|
| Apricot-Yellow. | Flesh Shades | |
| Buttercup. | Pink Shades | |
| Cream | Rose Shades | |
| Crimson | Salmon Shades. | |
| Canary-Yellow | Shrimp-Pink. | |
| Large-Flowered Double Mixed | Tom Thumb. | Choice double mixed. |

All varieties, 10 cts. per pkt.

GIANT DAHLIA FLOWERED. See specialties, page 5.

POMPON. Flowers about one-half the size of ordinary varieties and very double. Mixed, pkt. 10 cts.

PICOTEE TYPE. The flowers are large and very effective in appearance. The edges of the petals are all well marked with a distinct color to the body of the flower, making them very attractive as bedders or cut flowers. Mixed, pkt. 10 cts.



Zinnia

Hardy Perennial Flower Seeds

Hardy Perennials appeal mostly to people who have not the time to bother with plants that have to be reset every Spring. Hardy plants will increase in beauty each year. Most all perennial seeds planted in the Spring bloom the following year. Seeds planted in August will give excellent results and will bloom the next season.

ACHILLEA, The Pearl (Sneezewort; Milfoil). Double, pure white, Daisy-like flowers; blooms from June till October. 2½ ft. Pkt. 10 cts.

ACONITUM (Monkshood). Long spikes of helmet-shaped flowers; excellent for shady locations.

Napellus. Dark blue. August and September. 3 ft. Pkt. 20 cts.

ALYSSUM saxatile compactum (Gold Dust). Bright yellow, early Spring flowering. 9 in. Pkt. 10 cts.

ANCHUSA italica, Dropmore Variety (Alkanet). One of our finest blue flowered plants. Blooms in June. Pkt. 20 cts.

ANTHEMIS. A very pretty plant, producing Daisy-like, golden yellow flowers all Summer.

Tinctoria Kelwayi. Pkt. 10 cts.

AQUILEGIA (Columbine). This flower is one of the earliest of the hardy perennials to bloom. The colors range from pale yellow to purple.

Long-Spurred Hybrids. Pkt. 10 cts.

ARABIS alpina (Rock Cross). Fine rockery and border plant; pure white; flowers from April to June. 6 in. Pkt. 10 cts.

ASCLEPIAS tuberosa (Butterfly Weed). A very showy, hardy plant, producing umbels of brilliant orange-colored flowers from June to September. 2 ft. Pkt. 10 cts.

CAMPANULA (Bellflower).

Medium (Canterbury Bells). Biennial. Plants grow in pyramidal form, bearing in profusion large bell-shaped flowers.

Single Flowering: Blue, pkt. 10 cts.; **White,** pkt. 10 cts.; **Pink,** pkt. 10 cts.; **Fine Mixed,** pkt. 10 cts. **Double Flowering, Finest Mixed.** 3 ft. Pkt. 10 cts.

Calycanthema (Cup and Saucer). 2 ft. **Finest Mixed.** Pkt. 10 cts.

C. persicifolia grandiflora coerulea. Deep blue; extra long, erect stems. 2 ft. Pkt. 15 cts.

C. persicifolia grandiflora alba. Pure white. 2 ft. Pkt. 15 cts.

CANDYTUFT semper-virens. The evergreen Candytuft, with glossy, deep green foliage and white flowers. Pkt. 10 cts.

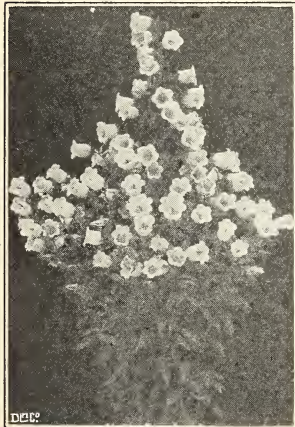
CARNATION Picotee. Fine double mixed. A splendid strain of double Picotees; edges of petals bordered with various colors. Pkt. 15 cts.

CHEIRANTHUS Allioni (Siberian Wallflower). Brilliant orange-yellow; dwarf. Pkt. 15 cts.

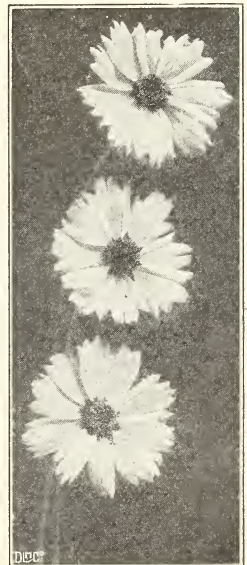
COREOPSIS grandiflora. Golden-yellow flowers of large size; most useful for cutting and effective in border masses; blooms all Summer. 2 ft. Pkt. 10 cts.



Makes Seeds Healthy



Campanula



Coreopsis grandiflora

DAISY, SHASTA (Alaska). The best hardy, pure white Daisy, large flowers, useful for cutting. Pkt. 15 cts.

DELPHINIUM (Larkspur).
belladonna. Beautiful, turquoise blue; continuous bloomer; spikes of good size. Pkt. 25 cts.

Gold Medal Hybrids, Mixed. This wonderful strain cannot be surpassed. Pkt. 25 cts.

Bellamosa. Rich deep blue form of the popular light blue belladonna type. Pkt. 25 cts.

DIGITALIS (Foxglove). Handsome ornamental plants of a stately growth and varied colors.

gloxiniaeflora, Fine Mixed. Pkt. 10 cts.

GAILLARDIA grandiflora (Blanket Flower). Red and yellow, showy, good for cutting. July to October. 3 ft. Pkt. 10 cts.

GYPSOPHILA paniculata (Cloud Plant). This is one of the most useful and graceful of hardy perennial plants, the tiny white flowers being borne in myriads on slender stems. Pkt. 10 cts.

HOLLYHOCK. Hollyhocks add charm to every garden, and may be grown successfully with very little attention.

Fine Mixed. Double varieties from named flowers. Pkt. 10 cts.

Double Crimson, Purple, Rose, Royal Scarlet, Snow-white, Yellow, each pkt. 10 cts.

Newport Pink. Pkt. 10 cts.

Single Finest Mixed. Pkt. 10 cts.

LATHYRUS latifolius splendens (Everlasting Pea). Beautiful climber for trellises or fences; flowers rosy-carmine; July and August. 8 ft. Pkt. 10 cts.

LUPINUS polyphyllus (Lupin). Robust plant for clumps and naturalizing. Handsome blue flowers in spikes; June. 3 ft. Pkt. 10 cts.

polyphyllus albus. Pure white. Pkt. 10 cts.

polyphyllus roseus. Pink. Pkt. 15 cts.

Finest Mixed. Pkt. 10 cts.

LYCHNIS. One of the finest herbaceous perennials; perfectly hardy and very ornamental. Flowers of great brilliancy.

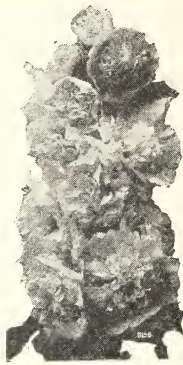
Arkwrighti (New). A cross between *L. chalcidonica* and *L. Haageana*; rich, effective colors. 2 to 3 ft. Pkt. 25 cts.

chalcidonica (Maltese Cross). Intense scarlet. 2 ft. Pkt. 10 cts.

MYOSOTIS alpestris Victoria (Forget-me-not). Strong growing, dwarf habit, flowers large, globular sky-blue, abundant. Pkt. 10 cts.

Roseus. Pkt. 10 cts.

PHLOX decussata (Hardy Phlox). Beautiful, hardy flowering plants, growing 3 ft. high, bearing large heads of waxy flowers of lovely shades of color. Pkt. 15 cts.



Hollyhock

OENOTHERA (Evening Primrose). Suitable for margins of shrubbery and perennial borders, with large clusters of showy, fragrant flowers.

Lamarckiana. Extra large, yellow. Pkt. 10 cts.

POLYANTHUS, Large-flowering. All Colors Mixed. Charming early Spring-flowering plants; perfectly hardy and most effective for beds or massing. Pkt. 25 cts.

POPPIES, Iceland. Bright yellow, white and orange.

Mixed Single, or Double. Ea. pkt. 10c.

Oriental. Very large, scarlet, with black blotch. 3 ft. Pkt. cts. 10

PUERARIA thunbergiana (Japanese Kudzu Vine). Fast growing, hardy plant, growing 8 ft. the first year from seed. When established, it will reach

a height of 50 ft. Splendid for permanently covering verandas, dead trees, etc. Pkt. 10 cts.

PYRETHRUM. Very showy flowers of easy cultivation; valuable for cutting. The Daisy-like blossoms borne in great abundance and a variety of colors. One of the best hardy perennials.

roseum hybridum grandiflorum.

Double Finest Mixed. 18 in. Pkt. 25 cts.

Finest Single Mixed Pkt. 15 cts.

ROCKET, Sweet, Mixed. The plants grow 2 ft. in height, surmounted by large panicles of brightly colored flowers. Pkt. 10 cts.

SCABIOSA caucasica (Pincushion Flower). Large, light blue flowers; blooms continuously throughout the Summer, making it invaluable as a cut flower. Height 2 ft. Pkt. 10 cts.

STATICE latifolia (Sea Lavender). Splendid purplish flowers either for border or rockery, producing panicles of flowers all Summer which can be dried for Winter bouquets. Pkt. 10 cts.

STOKESIA cyanea (Cornflower Aster). Beautiful, hardy perennials, with handsome, lavender-blue Cornflower-like blossoms. 2 ft. Pkt. 10 cts.

alba. Pure white. Pkt. 10 cts.

SWEET WILLIAM. These make matchless border plants and should be in every garden.

Pink Beauty. A very robust plant with long, wiry stems and large flower heads; color a rich salmon-pink. Pkt. 20 cts.

Scarlet Beauty. A very effective, rich, deep scarlet variety. Pkt. 20 cts.

Dark Crimson. 18 in. Pkt. 10 cts.

Pure White. 18 in. Pkt. 10 cts.

Auricula-Flowered, Finest Mixed. Dark eyes. Pkt. 10 cts.

Double Finest Mixed. Pkt. 10 cts.



Pyrethrum

VERONICA (Speedwell). Long spikes of brilliant blue flowers, excellent for growing in shady places and requiring plenty of moisture.

longifolia. Rich blue. 3 ft. Pkt. 15 cts.

VIOLA cornuta (Tufted Pansies). Excellent flowering plants for partially shaded beds or borders. More hardy than other Pansies, but smaller flowers. **Mixed**. Finest varieties. Pkt. 15 cts.

WAHLENBERGIA (Platycodon; Chinese Bellflower). Large, bell-shaped flowers; similar to the Campanula; fine for perennial borders.

grandiflora coerulea. Blue. 3 ft. Pkt. 10 cts.

grandiflora alba. White. 3 ft. Pkt. 10 cts.

WALLFLOWER. Well-known plants, with large spikes of deliciously fragrant flowers, and beautiful deep colors. Half-hardy biennial.

Double Branching. Finest mixed colors. Pkt. 10 cts.

Earliest Paris. New single strain of fine colors, blooming quite early. Pkt. 10 cts.

Single Branching. Finest colors. Pkt. 10 cts.



Sweet William

Summer-Flowering Bulbs and Tuberos Roots



Begonias

or piazza boxes these bulbs are very desirable, blooming from July until frost. Start in house in March or April and remove to the open ground soon as danger of frost is past. Colors ranging from whites, scarlets, pinks, yellows. Mammoth bulbs. **Single**, 30c. each, \$3.00 per doz.; **Double**, 35c. each, \$3.50 per doz.

Caladium

Esulentum. These well known Elephants-ears are most effective both as single plants on the lawn, masses in beds, or for margins of water. Each 25 cts., doz. \$2.50.

Canna

Dormant roots. A class of plants especially suited to produce luxuriant foliage effects. Rich and varicolored leaves, large and beautiful flowers of brilliant colors. Each 15 cts., doz. \$1.50.

Calla Elliottiana

(Yellow Calla)

Foliage spotted, flowers golden yellow. Excellent when planted in open borders, making a beautiful contrast. Desirable for pot plants.

Extra Large Bulbs.
35 cts. each, \$3.50 per doz.

Cinnamon Vine

Beautiful, rapid-growing Summer climbers. Dark green foliage; small cinnamon scented white flowers. Each 15 cts. doz. \$1.50.



Auratum Lilies

Madeira Vine

Rapid growing and beautiful vine covering a larger space in a short time. Flowers have a delightful fragrance.

Each 10 cts., doz. \$1.00.

Amaryllis

Giant Hybrids Mixed. One of the few bulbous plants that the amateur can grow easily in pots successfully, ranging in color from pure white grounds with varied markings of rose, red and crimson. 75 cts. each, \$7.50 per doz.

Begonias

Tuberous-rooted. For shady places in the garden or lawn, also for pots

Dahlias

Giant Single. These have become extremely popular, for they are most graceful. Mixed.

Cactus. Including a fine selection of the most popular and choice varieties. Mixed.

Decorative. To include a choice variety of the best colors for garden flowers. Mixed.

Peony-flowered. Consisting of the choicest and most up-to-date sorts. Mixed.

Show and Fancy. Dahlias. Mixed.



Cactus Dahlias

Field-grown roots of all the above kinds, 25 cts. each, \$2.75 per doz.

Lilies

Lilies can be planted with excellent results in the early Spring months. They thrive and grow luxuriantly planted throughout herbaceous borders.

L. longiflorum giganteum. Large, pure white, trumpet-shaped flowers. Extra large bulbs, 45 cts. each, \$4.50 per doz.

L. auratum (Gold-banded Lily). Ivory-white blooms with a simple band of yellow dotted with purple. Mammoth bulbs, 50 cts. each, \$5.00 per doz.

L. speciosum rubrum (roseum). Petals white, shaded deep rose and heavily spotted with red. Mammoth bulbs, 50 cts. each, \$5.00 per doz.

L. speciosum album. Pure white with a green band in the center of each petal. Large bulbs, 60 cts. each \$6.00 per doz.

L. myriophyllum (Regale Lily). Flowers are white, slightly shaded with pink, with canary yellow center. Strong young bulbs. 75 cts. ea., \$7.50 per doz.

Tigrinum Splendens

(Improved Tiger Lily) Bright orange-red spotted with black. Very showy. Each 25 cts., doz. \$2.50.

Flore-pleno (Double Tiger Lily). Double showy flowers. Each 30 cts., doz. \$3.00.



Tuberoses

Tuberoses

Excelsior Double Pearl. Mammoth bulbs. Each 8 cts., doz. 75 cts., 100 \$5.00.

FALL BULBS SEE OUR DISPLAY
HYACINTHS TULIPS CROCUS
SCILLAS FREESIAS SNOWDROPS
NARCISSUS LILIES

Large assortment ready about October 1.

Descriptive Price List Vegetable, and Farm Seeds

NOTICE FREE DELIVERY. Peas, Beans, Corn and Onion Sets up to and including 10 pounds will be delivered postpaid in the first and second zones only.

All flower and other vegetable seeds in packets, ounces, $\frac{1}{4}$ pounds and pounds. Bulbs at single and dozen rates as quoted in this catalog will be postpaid anywhere in the United States unless otherwise noted.

We have, as near as possible, arranged the different varieties of each sort according to their season—that is the extra early kinds first, medium early next and so on.

We recommend the Semesan treatment for all seeds. See page 44.

Artichoke

Large green globe. Heads large and scales tender and excellent. Pkt. 25 cts., oz. 75 cts.

Asparagus

Asparagus can be grown from seed or propagated from roots. Sow the seed in April or May on good soil, in drills 12 to 14 inches apart. When one or two years old, transplant as early in the Spring as the ground can be worked into permanent beds, made very rich and thoroughly trenched 2 feet or more in depth. Set the plants in rows 2 feet apart and 12 inches between the plants in the row. Care should be taken that the roots are well spread and set at a depth of 6 inches below the level of the bed. Cover only 2 or 3 inches and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every Fall after the tops have been cut down, apply a dressing of coarse manure, and in the Spring fork it in. An occasional top dressing of salt is also beneficial, and keeps down the weeds.

Asparagus Seed

One ounce of seed sows 40 feet of drill.

Early Giant Argenteuil. Genuine French-grown seed. A decided acquisition to the varieties of Asparagus. Very early. Shoots of mammoth size and superb flavor; also the least liable to rust of any. oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

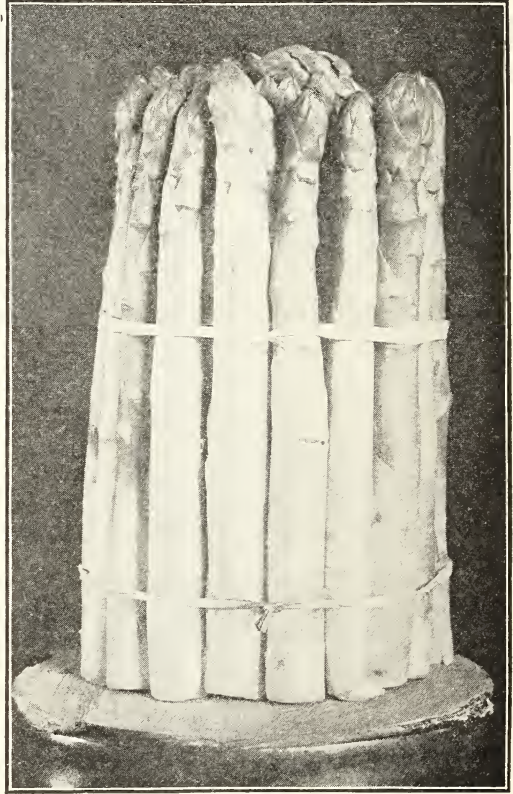
Washington. Washington Asparagus is as far as possible an extremely rust-resistant, vigorous and high yielding strain of Giant Asparagus. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Asparagus Roots

Washington. The high yielding, vigorous, and rust-resistance of this variety makes it the most ideal type to plant. Roots are grown and are selected from true stock. \$1.75 per 100, \$15.00 per 1000.



Brussels Sprouts



Asparagus

Broccoli-Italian Cauliflower

(Calabrese Green Heading)

One ounce will produce 3000 plants.

Give Broccoli the same cultivation as Cauliflower and the heads can be cut from late July until the first of October. Prepared for the table the same as Cauliflower; a very delicious vegetable although little grown. Pkt. 25c., oz. \$1.00, $\frac{1}{4}$ lb. \$3.75.

Brussels Sprouts

Popular for the little buds like Cabbage heads, that develop thickly along the stalk. These are cooked the same as Cabbage or Cauliflower, and have a pleasing, delicate flavor. Brussels Sprouts do best in rich, well-drained soils. Sow in seedbeds in May, transplant 2 feet apart and cultivate like Cabbage. The leaves should be broken down in the Fall to give the little Cabbages room to grow.

One ounce will produce about 3,000 plants

Half-Dwarf Paris Market. The very best and surest strain. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Dwarf or Bush Beans

Beans are extremely tender, and it is useless to plant them before the first or middle of May, or before the ground has become light and warm. The best soil for Beans is a light, well-drained loam which was manured for a previous crop. Plant in drills 18 inches to 3 feet apart, according to the richness of the soil—the poorer the soil the nearer together. Sow the Beans 2 to 3 inches apart in the rows and cover about 1 inch. Hoe frequently, but only when dry. For succession, plant until August.

1 lb. equals 1 full pt., 2 lbs. equals 1 full qt.

Two pounds will plant 100 feet of drill, 90 pounds for one acre

INOCULATE THIS
SEED WITH
MULFORD CULTURE

TO INCREASE YOUR CROP OF BEANS INOCULATE WITH MULFORD CULTURE. EASY TO USE. SMALL COST. LARGE RETURNS. See page 43.

Wax-Podded Beans

ALL VARIETIES, 20 CTS. PER PKT.

Round-Pod Kidney Wax. Wonderfully early and productive; long, round, stringless, waxy white pods; crisp, brittle; free from rust. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Early Golden Wax. The standard Wax. Vines medium size, erect, hardy and productive; pods long, broad, flat, golden yellow, fleshy. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Improved Golden Wax. Early and hardy; long, rich, golden yellow, stringless pods; less liable to rust than preceding. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Wardwell's Kidney Wax. Medium early; pods long, broad, flat, white; productive. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Sure Crop Stringless Dwarf Wax Beans. A valuable, new variety of dwarf wax Beans, very productive and will stand a longer season of damp weather than other wax Beans. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

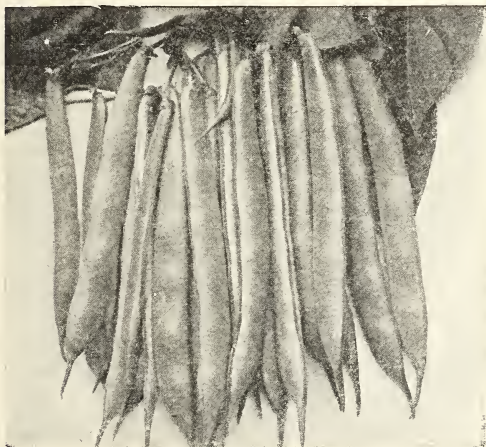
Pencil-Pod Black Wax. The finest. Pods yellow, round, stringless; excellent. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Green-Podded Beans

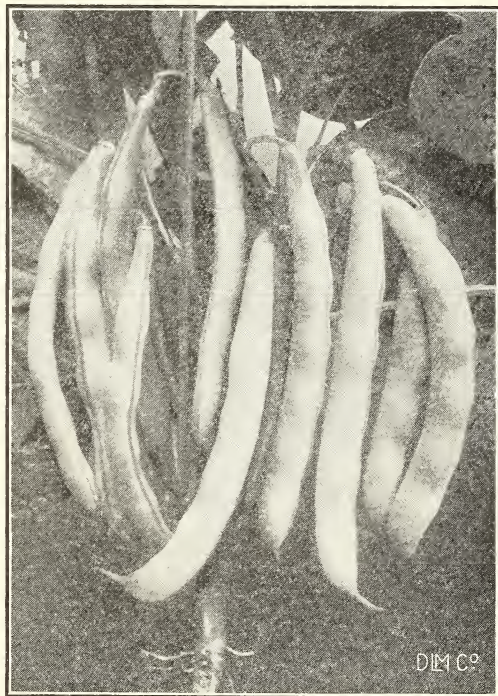
ALL VARIETIES, 20 CTS. PER PKT.

Burpee's Stringless Green-Pod Bush Bean. Dwarf green-podded Beans; stringless and remain tender and crisp long after maturity. Two weeks earlier than Early Round-Pod Valentine; pods light green, long, round, fleshy. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Bountiful. One of the best early, flat-podded sorts, stringless, very tender and prolific bearer; a fine sort for late sowings. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.



Bountiful Beans



Improved Golden Wax

Long Yellow Six Weeks. Early; very productive and excellent; flat pods. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Giant-Pod Stringless Valentine. Earlier, larger and more productive than Early Round-Pod Valentine; stringless, round, full and fleshy. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Round-Pod Valentine. Desirable either for market or family use; early, productive, tender and of fine flavor. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Low's Champion. Very productive, with large, green, stringless pods. It has but few if any equals. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

French's Dwarf Horticultural Beans. An improved form of the Dwarf Horticultural, producing long pods beautifully splashed with bright crimson and highly productive. Lb. 50 cts., 2 lbs. 85 cts., 7½ lbs. \$2.85, 15 lbs. \$5.50.

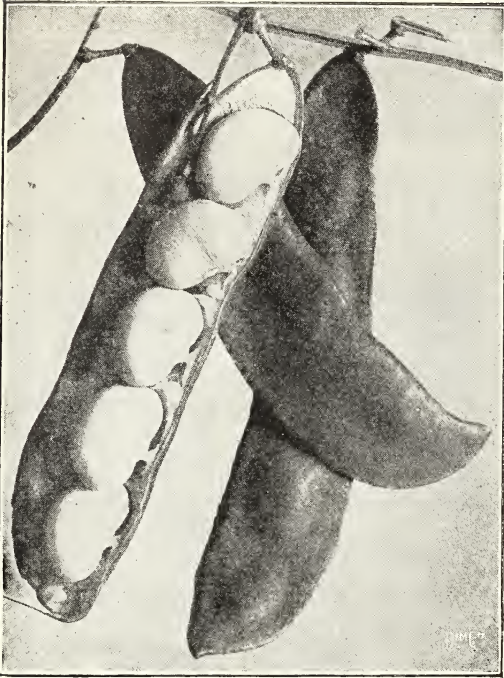
Dwarf Horticultural. A dwarf variety of the old Horticultural Cranberry Pole Bean. Used as a shell

Bean. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

ANTROL. The scientific Ant control. See page 44.

Antrol

The National Ant Control



Lima Beans, King of the Garden

Dwarf or Bush Shell Beans

Improved Yellow Eye. One of the best sorts for baking, extremely productive and of superior quality. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.10, 15 lbs. \$3.85.

White Kidney. Excellent when shelled either green or dry; a superior kind for baking. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.10, 15 lbs. \$3.85.

White Marrow. Extensively grown for sale as a dry Bean for Winter use; also good shelled green. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.10, 15 lbs. \$3.85.

Red Kidney. Unequaled as a shell or baking Bean, very prolific. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.10, 15 lbs. \$3.85.

Bush Lima Beans

ALL VARIETIES, 20 CTS. PER PKT.

Fordhook Bush. This excellent variety is perfectly suited to the garden of a limited area. Dwarf, strong, quick growth and high productiveness. Each pod well filled with 4 or 5 large beans of excellent flavor. 1 lb. 45 cts., 2 lbs. 85 cts., 7½ lbs. \$3.00, 15 lbs. \$5.75.

Dreer's Wonder. An improvement on the Burpee's Bush Lima, and a decided acquisition. The plants grow dwarf, upright and compact, without the least sign of a runner, and are completely covered with large pods, many of which contain four beans, which are fully as large as the large Pole Limas. It is much earlier than the original type. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Burpee's Improved. Produces magnificent crops of pods measuring from 5 to 6 in. long by 1¼ in. wide. Pods and beans are much larger than Burpee's Bush Lima, while the beans, either green or dry, are nearly twice as thick. The beans are of delicious flavor and are ready to use 8 to 10 days before Burpee's Bush Lima, or Large Pole Lima Bean. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Pole or Running Beans

ALL VARIETIES, 20 CTS. PER PKT.

Plant two weeks later than dwarf varieties. Limas are more tender and set do better if not planted until the first of June. Set poles 6 to 8 feet long in rows 4 feet apart each way. Sow 6 to 8 seeds around each pole, cover about 1 inch, except Limas, which should be stuck *eyes down* and covered only ¼ inch. Manure liberally and leave hill raised, to prevent water from rotting the seed.

Two pounds will plant about 100 hills.

Early Leviathan Lima. One week earlier than any other and two weeks earlier than most varieties of Pole Limas. Wonderfully productive. Long, straight, immense pods in large clusters, containing 3 to 5 beans. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Early Jersey Lima. Smaller than Large White Lima, but a week to 10 days earlier. Tender and delicious. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

King of the Garden Lima. Vigorous grower; profuse bearer; pods 5 to 8 in. in length. Beans large and good. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Extra Large Lima. A choice selection of Large White Lima. Pods and beans enormous; very abundant. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.25, 15 lbs. \$4.00.

Mammoth Horticultural Cranberry. Beans large; pods red; most productive. Lb. 45 cts., 2 lbs. 80 cts., 7½ lbs. \$3.00, 15 lbs. \$5.75.

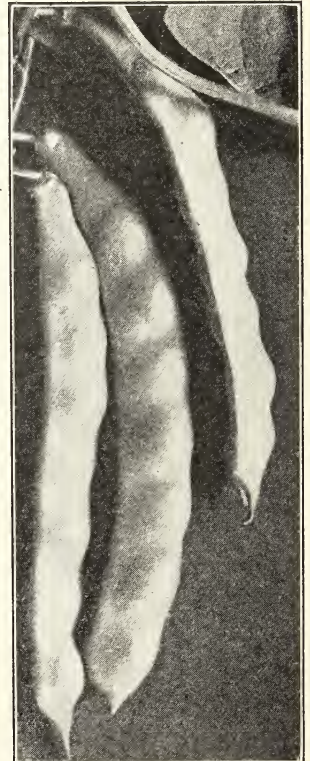
Early Dutch Case-Knife. One of the earliest and most prolific sorts. Pods long and flat, with white seed. Good green or dry. Lb. 45 cts., 2 lbs. 80 cts., 7½ lbs. \$3.00, 15 lbs. \$5.75.

Kentucky Wonder, or Old Homestead. Pods are borne in large clusters, are of unusual length, nearly round, silvery green; when young, crisp, entirely stringless, of fine texture and flavor. Early and productive. Used only as a string Bean. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.50, 15 lbs. \$4.50.

Kentucky Wonder Wax. This new Pole Bean is quite similar to the very popular green-podded Kentucky Wonder, except that the very long pods are a little broader, and of a waxy golden yellow. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.50, 15 lbs. \$4.50.

Scarlet Runner. Cultivated principally for its flowers, which are of a bright scarlet, also used by some for a shell Bean. Lb. 45 cts., 2 lbs. 80 cts.

Bean Poles.
Made of
Selected
Cedar,
8 to 10 feet.



Kentucky Wonder Wax Beans

Beets

Well-enriched, light soil is best adapted for Beet culture. Sow in drills 1 foot apart and cover $\frac{1}{2}$ inch. It is important that the earth be pressed firmly about the seed. When the plants are large enough, thin to 4 inches apart. The thinnings can be used for greens, if desired. For early, sow as soon as the ground can be worked, and continue for succession until the first of July. Mangels and Sugar Beets require liberal manuring and should stand 10 to 12 inches apart in the rows.

One ounce will sow 50 feet of drill, 5 to 6 pounds to one acre.

ALL VARIETIES, 10 CTS. PER PKT.

Treat all seeds before planting with **Semesan** for increased yields (*Special forms*). See page 44.

Extra Early Egyptian. Flat, with small, short top and single tap-root; flesh dark red, tender and sweet; best for forcing. Oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Detroit Dark Red Turnip. Roots roundish, smooth; dark red; flesh bright red, zoned with lighter; crisp, tender, sweet; a good keeper. Oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Early Wonder. An improved Crosby's Egyptian, produced by several years' selection from this well-known sort. It is of uniform size, globular in shape, smooth skin, with medium-sized top and small tap-root. The color is a deep blood-red, quality sweet and tender. It has proved to the market-gardener to be the earliest and most uniform bunching Beet in existence, which makes it one of the most profitable varieties. Oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Crosby's Egyptian. An extra-early superior strain of blood-red Egyptian, carefully selected. Oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Early Eclipse. Round and smooth; rich carmine; very sweet and tender; almost as early as Egyptian and superior in open ground. Oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Dewing's Early Blood Turnip. Deep red; smooth and of fine form. A leading variety; keeps well. Oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Edmand's Blood Turnip. Deep red, sweet and tender; round, smooth, and of good size. Oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Early Flat Bassano. Flat, turnip-shape; flesh white, circled with rose-color. Oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

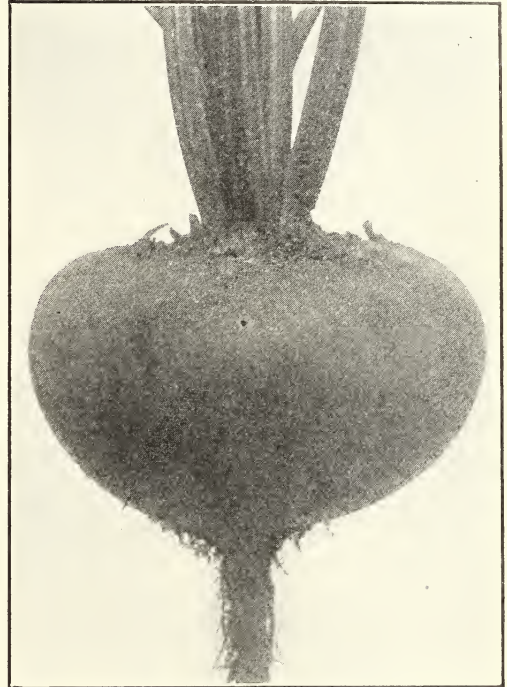
Long, Smooth Blood. A good late variety for Fall and Winter use; tender and sweet. Oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Swiss Chard

Large-ribbed White Curled. Belongs to Beet family, and has a large, white-ribbed, curly, light green leaf, resembling that of the Beet, with a small root. Best for greens. Oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



Mangel-Wurzel Beet—Golden Tankard



Early Wonder Beet

Swiss Chard, Giant Lucullus. Stalks 10 to 12 in. long below the leaf, and as thick and broad as Rhubarb. Leaf heavily crumpled, crisp and tender. The stalk and midrib, served like Asparagus, with the leaves cooked and served the same as Spinach, afford two distinct dishes at the same time. Oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Mangel-Wurzels and Sugar Beets

Norbiton Giant Long Red. Roots of mammoth size. One of the most profitable for feeding stock. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 75 cts.

Golden Tankard. Roots large, ovoid, but well filled. Yellow and white. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 65 cts.

Orange Globe. Roots of large size and globular form. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 65 cts.

Vilmorin's White Sugar. One of the very best and most nutritious for feeding cattle; also used for making sugar. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 75 cts.

In quantities of 5 pounds and over, at our store, or by freight or express, at expense of purchaser, 5 cents per pound may be deducted from prices per single pound.

Cabbage

Always be sure that your Cabbage seed is grown from well-formed, selected heads. The ground should be a heavy, moist, rich loam, highly manured, deeply dug or plowed and thoroughly worked. For early plants sow in mid-September, and protect in coldframes through the Winter. The more common way is to sow in hotbeds in February or March, and prick out into coldframes, to be transplanted, when danger of frost is past. Early varieties should set 18 inches by 2 feet, Fall and Winter sorts 28 inches apart each way. The late Autumn and Winter varieties may be sown in a seed bed, from the middle to close of Spring, and transplanted when about 6 inches high. Shade and water in dry weather. See that the plants stand thinly in the seed bed; if they come up thick, prick them out into beds 4 to 6 inches apart. They can then be moved with earth attached, on a moist day, without damage. Transplant just at evening, giving each plant water at the root. Hoe every week more deeply as they advance, drawing up a little more earth each time, until they begin to head, when they should be fairly dug between and hilled up.

SEMESAN
DU PONT
Makes Seeds Healthy

One ounce of seed will produce about 3,000 plants.

Golden Acre Cabbage (Original strain). Considered the earliest round-headed Cabbage, averaging 4 pounds, with few outer leaves, permitting close planting. Pkt. 20 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.00.

Chinese Cabbage (Pe-Tsai). This is a new vegetable from the Far East. It is similar to Cos Lettuce in appearance and tenderness, and has the crispness of Celery while tasting like a Cabbage, without its offensive odor. Sow the seed after July 1. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

Copenhagen Market. As early as the Charleston Wakefield. Perfectly ball-shaped, uniform in size, and as large, or larger than the Danish Ballhead. Very solid and of fine quality. The plant is short stemmed; leaves tightly folded. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.75.

Early Jersey Wakefield. The standard, very early variety of medium size; pyramidal in shape, having a rounded peak. Its small, outside foliage permits of close planting; a good variety to winter in coldframes. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

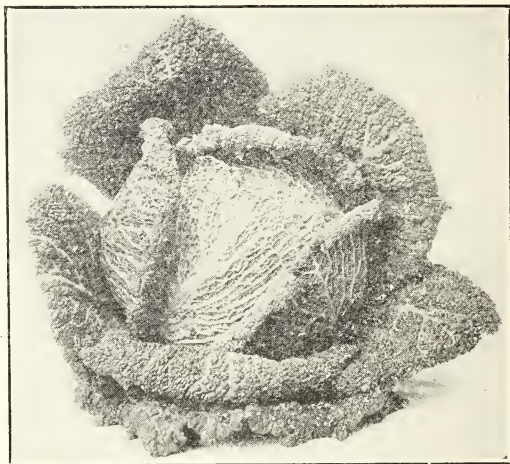
The Charleston, or Early Large Jersey Wakefield. Of the same form and type as the Early Jersey Wakefield, but fully a half larger, while it is less than a week later. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

Henderson's Succession. A second early variety, coming in a few days later than Early Summer, but immeasurably superior to that variety. For medium-early, main crop, or late use it has no superior. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

Early Summer. About 10 days later than Early Wakefield, but double the size. Flat, or slightly conical; keeps long without bursting. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

Fottler's Brunswick. One of the best. Heads large, flat, solid, of good quality; stem remarkably short; sure header. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

All Seasons. One of the very best sorts for general cultivation, either for early Fall or for Winter use. Heads very large, usually somewhat flattened and solid. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.



Perfection Drumhead Savoy Cabbage

Surehead. A compact-growing, main-crop Cabbage of uniform, large size; thick, solid heads. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

Excelsior Large Flat Dutch. The king of late Cabbages. Improved by selection from the late Flat Dutch; unquestionably the best strain. Its remarkable uniformity, size, short stump, few outside leaves and solid weight make it the most profitable late sort. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

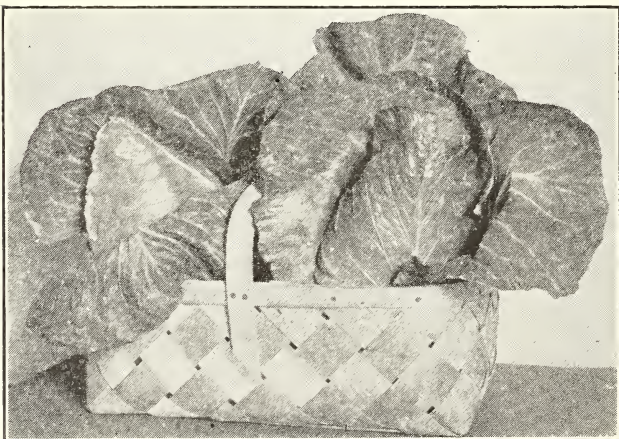
Premium Flat Dutch. A very popular standard variety. Its keeping qualities are unsurpassed; heads large, tender, fine-flavored. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

Danish Ballhead. Plants rather long-stemmed, but compact; leaves very smooth but thick; head of medium size, round and very solid, being the hardest-heading Cabbage we know, and of the very best quality. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

Danish Roundhead. A short-stemmed type of the Danish Ballhead, maturing earlier than that variety. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

Perfection Drumhead Savoy. Large heads of finely curled leaves, particularly adapted for private use. Grown in the Fall and allowed to be touched by frost, it is one of the most delicious of all vegetables. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.25.

Red Drumhead (Buxton). Excellent for pickling or eating raw. For solidity, deep red color, certainty of heading and dwarf habit of growth, this has no equal. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.



Early Jersey Wakefield Cabbage

Slug Shot will kill Cabbage worms.

See page 45.

Carrots

Carrot seed should be sown in April for early and until the first of June for later crops. Make the surface smooth, and plant in drills, 14 inches apart; cover not more than $\frac{1}{2}$ inch, and thin to 4 inches apart in the rows. Like all root crops, a rich, sandy loam, deeply cultivated, which has been well manured for a previous crop, is most suitable for Carrots. Strong, fresh manure should never be used.

**An ounce of seed will sow 100 feet of drill,
3 or 4 pounds for 1 acre.**

Earliest Scarlet Forcing. Valuable for forcing; very early, small, of fine flavor, Turnip-shaped. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.65.

Early Scarlet Horn. A medium-sized root, half-long; of fine color; grown for early use and to sell in bunches. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.65.

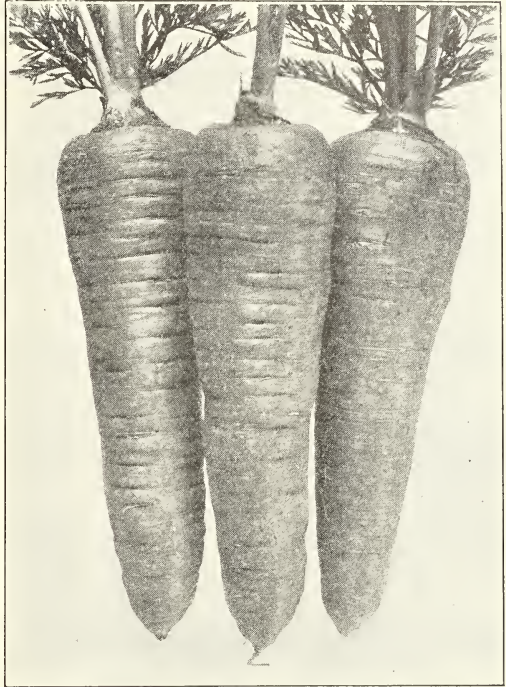
Chantenay. For table use it is probably the best in shape and finest in quality; a little longer than the Scarlet Horn and broader at the top. The flesh is a beautiful, rich orange color. Very uniform in size. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.65.

Danvers Half-Long Orange. Cylindrical shape, stump-rooted, orange-red, and is said to produce a heavier crop than any other variety. It is smooth, close-grained, and almost coreless. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.65.

Improved Long Orange. The standard variety for garden or field crops, darker in color and smoother than the old Long Orange. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Guerande, or Ox-Heart. Not so long as the Danvers, but very thick, sometimes measuring 3 or 4 in. in diameter at the top. A great yielder; flesh bright orange, fine-grained and sweet. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.65.

White Belgian. Flesh yellowish-white, excellent for feeding stock. Of the largest size, fine quality, and will yield more in bulk than any other variety. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.15

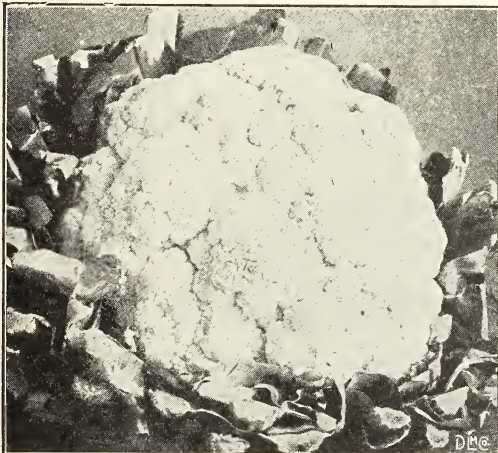


Danvers Half-Long Carrot

Cauliflower

There is no vegetable grown more delicious than the Cauliflower. With a deep, rich soil, plenty of moisture and thorough cultivation, it is as easily grown as Cabbage. For early, the seed may be sown in September and the plants wintered in well-protected coldframes, or sown in hotbeds early in March, and when sufficiently large transplanted in coldframes and gradually hardened by exposure. When the weather will permit, set in the open ground in rows 3 feet apart and 2 feet between the plants in the row. For Fall crops sow at the same time, and treat in the same manner as late Cabbage. Cauliflower will not head in hot, dry weather, therefore the time of planting should be regulated so they will head either in early Summer or Autumn. Keep well watered when they begin to head. If the leaves are drawn up and tied loosely over the head it will hasten blanching. Cut before the flower begins to open.

One ounce will produce about 2,000 plants.



Early Snowball Cauliflower

Early Snowball. An extremely early, dwarf variety, producing magnificent white heads of the finest quality. The standard variety for general use. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Extra-Early Dwarf Erfurt. Almost, if not quite as early as the Snowball. Very dwarf, with large, solid, pure white heads of finest quality. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Half-Early Paris. Heads large, white and compact; good for either early or late use. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Large Algiers. An extra fine, late variety, suitable for market and sure to head. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.00.

Cress

One ounce will sow 16 square feet.

Fine Curled Pepper Grass. The sort most generally used. Pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Water Cress. Pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75.

SNAROL. Unusual material for killing cutworms. See page 45.

Snarol
TRADE MARK REG. U. S. PATENT OFFICE

The National Pest Control

Celery

SEMPER
DU PONT
SAN
Makes Seeds Healthy

Celery, more than any other vegetable, demands intelligent and careful culture. The seed is very small and is slow to germinate; with the inexperienced a good stand of plants is an exception. For early, sow in shallow boxes in gentle heat in February and March, and for later, sow about the middle of April in a finely prepared seed bed, in rows so that the plants can be kept free from weeds. Cover not more than $\frac{1}{4}$ inch, and press down firmly with the back of the spade or a board. Be sure and keep the bed constantly moist (a partially shaded location is favorable on this account), or cover the bed with a light matting or burlap, directly on the soil until the plants begin to prick through the ground, when it should be immediately removed. When large enough to handle, thin and transplant to 4 inches apart. Clip off the tops when about 4 inches high to make them stocky. Plant out from the middle of June until the middle of July in rows 4 to 5 feet apart, and 8 inches apart in the rows. Care should be taken in setting, not to cover the crowns and to press the earth firmly about the roots. Keep it well cultivated until a month before it is wanted, when it should be hilled or banked for blanching; this should be done gradually, usually in two or three operations a week or so apart, the last time almost to the tips of the leaves. Select a rich, deep, sandy loam, rather moist.

One ounce will produce about 4,000 plants.

Paris Golden Self-Blanching. Its fine form, rapid growth, extreme earliness, superior flavor and keeping qualities, rich golden color, and slight trouble in blanching, are all that could be desired in a Celery. Our seed is true to name from originator's stocks. Pkt. 15 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$3.00, lb. \$11.50.

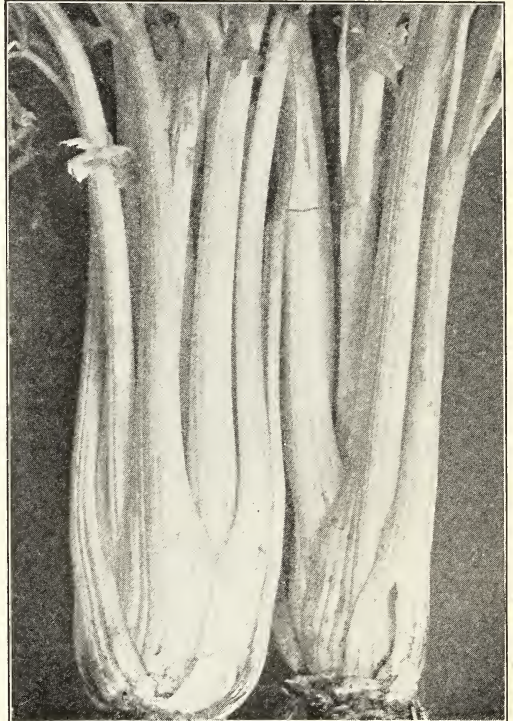
White Plume. The stalks and portions of inner leaves and heart are naturally white; needs very little earthing up; crisp, solid and of a pleasing nutty flavor; the best for early. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.50.

Giant Pascal. A valuable variety for both second-early and mid-Winter use. It grows about 2 ft. high, the stalks are very broad, thick and crisp and entirely stringless; easily blanched. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Golden Plume Celery. A splendid variety of early Celery, an improved self-blanching sort, making stocky growth; stalks rich golden yellow and are remarkably crisp, and tender, nut-like flavor; handsome in appearance. Seed offered from originator's strain. Pkt. 20 cts., oz. \$1.75, $\frac{1}{4}$ lb. \$6.00.

Boston Market. Remarkable for its tender, crisp and succulent stems, and its peculiar, mild flavor; of branching habit and a good keeper. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

Newark Market Celery. The plants are strong and stocky, with green foliage entirely free from rust, with a slight tinge of yellow in the inner leaves, which are crisp, solid, and tender, and excellent, nut-like flavor. Blanches very easily when boarded up. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.



Golden Self-Blanching Celery

Celeriac, or Turnip-rooted Celery

Giant Prague. The roots are of good size, round and smooth, with small tops. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Chicory, Witloof, or French Endive

Sow in May or June in drills. Thin out or transplant to 6 inches. Cultivate the same as Endive. In the Fall, hill up like Celery to blanch the bases of the leaves. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.25.

Collards

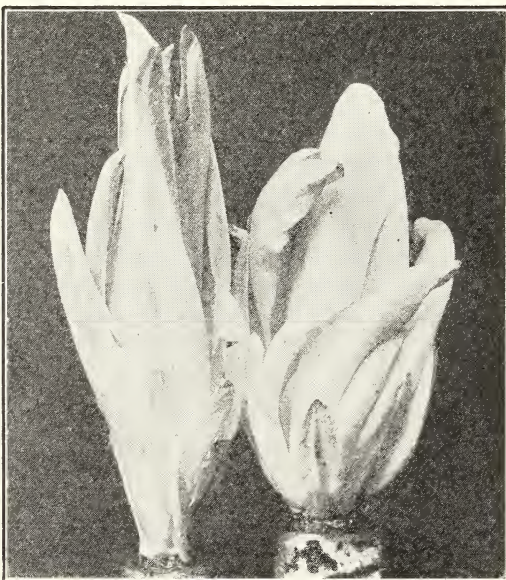
Georgia. Largely used in the South, and prepared in a manner similar to Spinach. Collards are used as a substitute for Cabbage in those sections where Cabbage cannot be raised. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Corn Salad

Grown for salads. For Summer, plant in early Spring; for Winter and early Spring, sow in August and September, and protect with straw in Winter; sow thickly in rows 1 foot apart, cover $\frac{1}{8}$ inch.

One ounce will sow 100 feet of drill.

Large Round-Leaved. Standard sort. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.



Witloof Chicory

Sweet Corn

Plant from May 1 until July 1 in any good soil in hills, the dwarf varieties 3 feet, and the larger varieties 4 feet apart each way. Drop six kernels to the hill, cover about 1 inch and thin to four plants at the second hoeing. Keep free from weeds, and give frequent cultivation. Soaking the seed an hour before planting will hasten its sprouting. **1½ pounds will plant 200 hills, 12 pounds for an acre.** $\frac{3}{4}$ lb. equals 1 pt., $1\frac{1}{2}$ lbs. equals 1 qt.

ALL VARIETIES, 15 CTS. PER PKT.

EXTRA EARLY VARIETIES

Peep O'Day. Earliest and sweetest; ears about 5 in. long, perfectly formed, well filled, tender. Stalks grow only about $3\frac{1}{2}$ ft. in height, and usually bear 2 or 3 ears each. Can be planted close. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 45 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.

Columbia. Extra Early. A very desirable, extra early, prolific variety, short stalk averaging two ears of excellent flavor. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00.

Early Maine. Rich, cream-white kernel, sweet and juicy; a fine ear, of good size; stalk medium. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 45 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.

Golden Bantam. A yellow Sweet Corn; of distinct flavor; stalks dwarf, setting ears 5 to 7 in. long, covered to the tip with 8 rows of golden grains. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.

Early Mayflower. An extra early white variety maturing one week in advance of White Cory, yielding larger ears of a finer quality. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.

Whipple's Early Yellow. A ten and twelve-rowed variety maturing a few days after Golden Bantam; largely grown by market gardeners, and considered very valuable where known. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.

Howling Mob. The ears of Howling Mob measure 7 to 9 in. in length with 12 to 14 rows of large, pearly-white grains. Howling Mob usually produces two large ears to a stalk. It is the earliest white Sweet Corn of really high quality. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.

Early Crosby. One of the very best; stalk rather dwarf; ears short, 12 to 16 rows; white kernels, sweet and juicy; of dwarf habit. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.

Early Golden Giant. It combines all the excellent and inimitable qualities of the Golden Bantam, with a great increase in the number of rows. It is 12-16 rowed and frequently produces ears 10 in. long. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.

SECOND-EARLY VARIETIES

Champion Sugar. From time of planting, in eight weeks it will be fit for the table, producing very large ears, plump, 12-rowed and well filled out with pure white kernels. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.

Black Mexican. White when cooked, but black when ripe; very tender; highly desirable for family use. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$12.00.

Squantum Sugar. Medium late; very prolific; sweet and tender; 12 rows; ears of moderate size. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.

LATER VARIETIES

Country Gentleman (Improved Ne Plus Ultra). Ready a little before Evergreen; ears medium, with very deep, irregular kernels; small cob. Often 3 to 4 ears on a single stalk. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.

Evergreen. The standard late sort; 6 to 8 ft. high; large ears, with 12 to 16 rows of very deep, sweet kernels. Remains a long time in a green state. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.



SAVE REPLANTING. Use Crow Repellent. See page 44.



Evergreen Sweet Corn

Mammoth Sugar. A late, tall-growing variety; ears large, 12 to 16 rows; fine flavor. $\frac{3}{4}$ lb. 30 cts., $1\frac{1}{2}$ lbs. 50 cts., 6 lbs. \$1.70, 12 lbs. \$3.00, 48 lbs. \$10.50.

Pop Corn

White Rice. Recommended as the best general purpose variety on account of its keeping better than others. Lb. 20 cts., 2 lbs. 35 cts., 5 lbs. 85 cts.

Field Corn

FLINT AND DENT VARIETIES FOR FIELD CULTURE

Early Canada, Eight-Rowed. An improved strain grown locally, maturing in 90 days. In the preparation of this corn for seed, each ear is carefully selected and is far superior to the ordinary strains. Very heavy cropper and averages two ears to stalk, which grows large and leafy; makes good fodder. Qt. 25 cts., 4 qts. 70 cts., pk. \$1.20, bus. \$3.85.

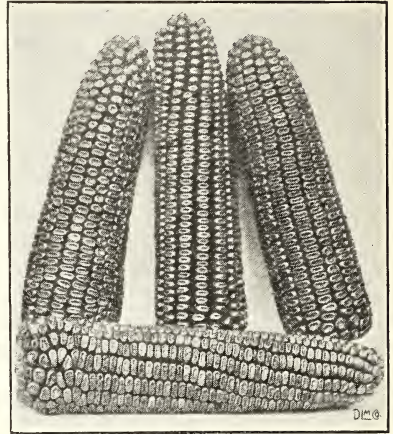
SEMESAN Jr. (Du Pont) provides an unusually effective but inexpensive dust treatment for the prevention of Corn seed diseases. See page 44.

FIELD CORN—Continued

Leaming's Improved Dent. The earliest Dent Corn in cultivation, ripening 100 days from the time of planting. Ears large and handsome, with deep, large grains of orange color and small red cob. Stalk medium size, usually producing two ears to each stalk. Qt. 25 cts., 4 qts. 70 cts., pk. \$1.20, bus. \$3.85.

Leaming Dent, Western Crown. Both ear and stalk of somewhat larger growth and require a few more days to mature than our earliest variety. Particularly valuable for ensilage, for which it is more generally used in this vicinity than any other sort on account of large stalk and heavy yield. Qt. 25 cts., 4 qts. 70 cts., pk. \$1.10, bus. \$3.50.

Eureka Ensilage. A popular, tall, leafy variety of Southern White Dent Corn, used exclusively for ensilage; does not often mature in this latitude as our season is too short. Qt. 25 cts., 4 qts. 75 cts., pk. \$1.25, bus. \$4.25.



Improved Leaming Field Corn

Cucumbers

For early Cucumbers, start in the hotbed about the middle of April upon pieces of heavy sod, grass side down. When the weather will permit, remove to carefully prepared hills in the open ground and protect with boxes when the air is cold. For the main crop, as soon as the weather has become settled and warm, prepare hills 4 feet apart, using a shovelful of warm, well-rotted manure to each hill; cover this 2 inches with fine earth, and plant 15 to 20 seeds $\frac{1}{4}$ inch deep. Press down with the back of the hoe. When the plants begin to crowd and the danger from bugs is past, thin to four vines to the hill. Pick all Cucumbers when large enough; if left to ripen on the vines they will cease to be productive. For a succession, plant at intervals. For pickles, plant from the middle of June until the middle of July.

One ounce will plant 50 hills, 2 pounds for an acre.

Early Russian. The earliest variety in cultivation; 3 to 4 in. long; quite thick; flesh crisp and of fine flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.30.

Bennett Improved Early White Spine. One of the finest strains of White Spine; most generally used for forcing and outdoor culture. Fair-sized, dark green; holds its color; very early, crisp, excellent. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Extra Long White Spine, or Evergreen. A fine strain, smooth, frequently 10 in. long; round, handsome, very regular. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Davis' Perfect. Slim and symmetrical, averaging 10 to 12 in., dark, glossy green, tender and brittle, of exceptionally good flavor. It is as early as the earliest White Spine and a large cropper. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Early Cluster. Early, producing in clusters; fruit short, dark green; good. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Japanese Climbing. Fruit about 10 in. long. Skin dark green; flesh pure white, can be grown on trellises and fences. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Fordhook Famous. Handsome, long green Cucumber; White Spine type; 12 to 14 in.; straight, smooth and regular. Finest flavor. A healthy, vigorous grower, setting fruits in abundance throughout the season. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Long Green. About 12 in. long, firm, crisp; fine for pickles; one of the most productive. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Everbearing. Small; very early; vines continue to produce until killed by frost. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Windsor Pickling. Improvement on Boston Pickling; wonderfully prolific; small, dark green, cylindrical, slightly pointed; crisp and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Green Prolific. For pickling. Dark green; small, good form, productive, tender and crisp. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

West India Gherkin. Small, oval-shaped, recommended only for pickling. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

English Frame, or Telegraph. Exclusively used for hothouse culture. Pkt. 50 cts.



Davis' Perfect Cucumber

Dandelion

When a good stand is secured, Dandelions are easy to grow, and make excellent greens. Sow from Spring to September in drills, on low ridges a foot apart. Cover lightly, press soil down firmly. Thin to 3 inches apart in row.

One ounce will produce about 2,000 plants.

French Garden. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.85.

Improved Thick-leaved or Cabbaging. French grown. Pkt. 20 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.85, lb. \$10.25.

Eggplant

To get a good start, sow seed in March, in a strong, uniform heat. When 3 inches high, transplant to 4 inches apart. When cold weather has abated, harden gradually by exposure and transplant $2\frac{1}{2}$ feet apart in warm, rich soil. Provide shade, and keep plants protected against Potato bug. Draw earth up around stem when a foot high.

One ounce will produce about 1,000 plants.

New York Improved Purple. The best sort for general culture. Large, round, or oval-shaped, dark purple, free from thorns. The most productive variety. Pkt. 10 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$7.00.

Black Beauty. Fruit thick; of attractive form, with a satin gloss, purplish-black skin, 10 days earlier than the preceding. Pkt. 10 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$7.00.

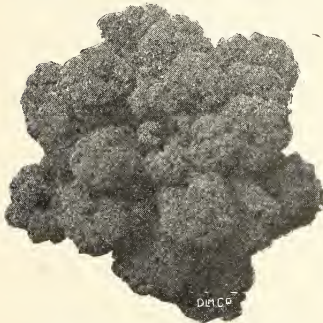
Endive

Splendid for salads. Sow thinly in shallow drills 10 inches apart, in April for early and in June or July for late use. Thin to eight inches apart in rows; cultivate thoroughly. To blanch, draw up outer leaves and tie at top; will be ready for use in two or three weeks. Do not tie faster than wanted, as it soon begins to decay.

One ounce will sow 60 square feet.

Green Curled. The variety most cultivated. Leaves beautifully curled, dark green, tender and crisp. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

White Curled. Not so hardy as the Green Curled; grows to a large size, and is always crisp and tender; almost self-blanching. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.



Kale, Dwarf Green Curled

Broad-leaved Batavian (Escarolle). Has broad, thick, plain or slightly wrinkled leaves. If the outer leaves are gathered and tied at the top, the whole plant will blanch and may be eaten. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

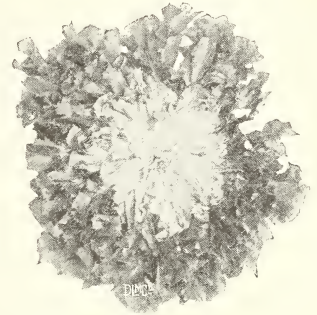
Kale

For best crops, select rich soil, dig a spade's depth and apply manure liberally. For Summer use, sow in April; for Winter and Spring, sow in August and September. Plant thinly and cover lightly in drills 1 foot apart. Thin to 4 inches in the row. Protect lightly during Winter.

One ounce will produce about 2,000 plants.

Dwarf Green Curled. One of the best for Spring sowing; dwarf and spreading; rarely exceeding 18 in. high; leaves bright green, beautifully curled and produced in great abundance; not hardy enough for northern Winters. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Siberian Curled. Favorite for Fall; about 2 ft. high; leaves are not so deeply curled as the preceding, and bluish green; very hardy; will withstand 10 degrees below zero. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.



Broad-leaved Batavian Endive

Finocchio, or Florence Fennel

This is a new and very delicious vegetable from Italy. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Kohlrabi

For a succession sow at intervals, from early Spring until July, in drills 1 foot apart, cover lightly and thin to 6 inches apart in the rows. The bulb that forms upon the stem just above the ground is fit to use when about half grown. A valuable crop for table vegetable or for stock food.

One ounce will sow 200 feet of drill.

Early White Vienna. A standard sort for market, table use, or forcing; flesh white and tender; very short top. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Early Purple Vienna. Bluish-purple, similar to the above, except in color. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

Leek

Sow early in May, in drills, 12 inches apart, cover $\frac{1}{2}$ inch deep; cultivate as for Onions. In July, prepare deep, rich soil in beds; transplant in rows 1 foot apart and 6 inches between plants. Set plants deep, draw earth up when hoeing to blanch properly. Select location where plenty of moisture can be had.

One ounce will sow 100 feet of drill.

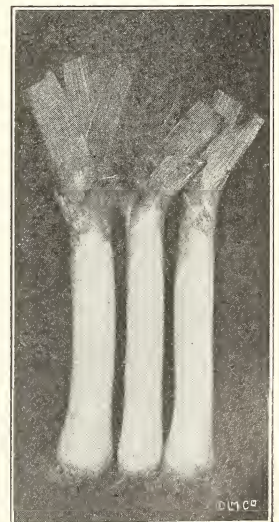
Large Musselburgh. A favorite market sort of large size. Leaves large and broad, flavor very mild and pleasant. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Monstrous Carentan. Enormous size; broad leaves, spreading like a fan. Hardy, fine quality. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

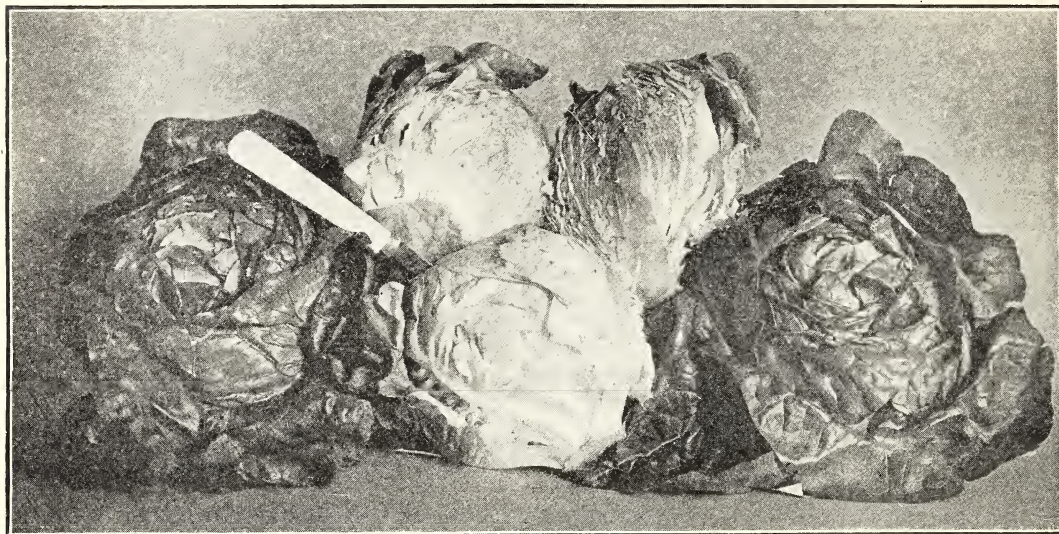
Mustard

The green leaves are used as a salad or boiled for greens. Culture same as for Cress.

White English. The sort mostly used to grow for salads. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.



Large Musselburgh Leek



Big Boston Lettuce

Lettuce

For early plants, the seed may be sown in September and transplanted into coldframes for protection during the Winter, or sow in February or March in hotbeds with a moderate bottom heat, cover lightly, and thin sufficiently to prevent crowding; gradually harden by exposure. Transplant to the open ground in a sheltered location in April; set in rows 1 foot apart, and 6 inches apart in the row; when heads begin to form, thin out by using alternate plants in the rows; for succession, sow in prepared beds as soon as the ground can be worked and at intervals of two weeks during the Summer. To be crisp and tender, its growth should be vigorous and rapid, which requires rich soil, plenty of well-rotted manure and an abundance of moisture.

One ounce will sow 120 feet of drill.

Improved Large Tennis Ball (White-Seeded). Especially adapted for growing in greenhouse and hotbeds. The largest Lettuce grown under glass. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Boston Market (White-Seeded). One of the best Head Lettuces for growing under glass; hardy; leaves thick, crisp and tender; compact head. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Black-Seeded Simpson. Much larger than Curled Simpson; large, loose heads of thin and exceedingly tender, light green leaves. Stands heat well; very early. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Big Boston. Resembles Boston Market, but nearly twice as large; desirable for forcing and outdoor planting. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

May King. The head is of globular shape, hard and well closed; the leaves are light green, with delicate

ribs and lightly waved; the interior is of a clear yellow, very tender and of fine flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Early Curled Simpson. Compact, curly leaves; yellowish-green. It matures quicker than varieties forming firm heads, and is very early. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.60.

Grand Rapids. There is no better forcing type in the loose leaf varieties. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Bigger Big Boston (Black-Seeded). This new strain, while retaining all of the good qualities of the Big Boston, grows very much larger in size, fully one-half again as large. This variety is a popular and profitable sort. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Iceberg. A large variety of unusual solidity, with leaves always crisp and tender. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Black-Seeded Tennis Ball. Popular for outdoor culture; heads well formed, hardy and crisp; excellent early heading. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Hartford Bronzed Head. Unequaled, forms large, compact, bronzy-red heads, shading to dark green toward root. Heart is rich cream-yellow; leaves thick and crimped. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Hanson Head. Most reliable for outdoor cultivation. In good ground the heads grow large. Outer leaves bright green, inner leaves white, tender and crisp; free from bitter taste. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.60.

Cos, Trianon Self-Closing, or Romaine. Finest Cos Lettuce; forms long, pointed, compact bunches; fresh, crisp and mild even in hot weather. Grows large, interior well blanched. One of the very choicest varieties for serving in full leaf, as every part is tender and delicate. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.



Trianon Cos Lettuce

Melons

A warm, rich, sandy loam is best adapted for Melon culture. The middle of May is early enough for planting in the open ground, but the crop can be forwarded by starting in hotbeds on sods and transplanting the same as Cucumbers. Plant in hills 6 feet apart each way for Muskmelons and 8 feet for Watermelons. Mix in the hill one or two shovelfuls of well-rotted manure, press down and cover with earth; plant on this a dozen or more seeds $\frac{1}{2}$ inch deep. When danger of bugs is over, thin to three plants in a hill. When the main shoots are a few feet long, pinch off the ends, to force the laterals on which the fruit is borne. Spraying with Bordeaux mixture will generally prevent damage by bugs. Another good way is to plant Squashes a few weeks beforehand, and destroy the bugs that gather on the leaves.

**SEMPER
DU PONT
MELON**
Makes Seeds Healthy

Muskmelons

One ounce will plant 80 hills, 2 pounds for an acre.

GREEN-FLESHED VARIETIES

Extra Early Hackensack. Ten days earlier than the old variety of Hackensack Melon. Round in shape, flattened at the ends. Skin green, thickly netted; the flesh is also green, rich and sugary in flavor; very productive and grows to a good size. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Rocky Ford, or Golden Netted Gem. Round and uniform in size, weighing about 2 lbs. each; skin green, thin and thickly netted; flesh thick, light green, of luscious flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Honeydew. A large, light-colored, smooth-skinned Melon, having a rather unusual shape and appearance. The fruits often weigh 8 to 10 lbs. each, and have a thick, light green flesh. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.35.

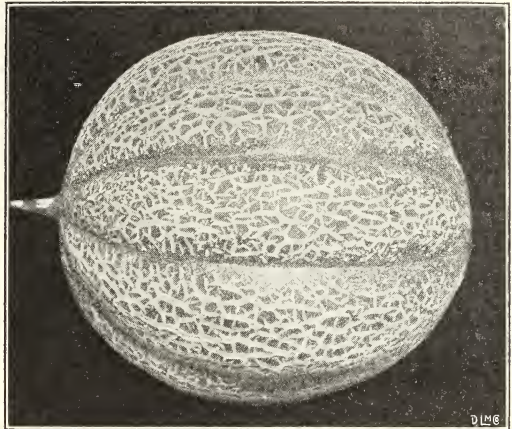
SALMON or YELLOW-FLESHED VARIETIES

Paul Rose. The fruit is oval, about 5 in. in diameter. The firm flesh is a rich red orange color like that of the Osage, but even sweeter and higher flavored, retaining its good qualities quite to the rind. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Emerald Gem. An extremely early, medium-sized, prolific variety; skin ribbed and generally smooth, of a deep, emerald-green color. Flesh thick and of a beautiful, rich salmon, ripening thoroughly to the thin rind; unsurpassed in rich, delicious flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Bender's Surprise. This new Melon is a large, thick, heavily netted fruit; sweet flavor, no stringiness. An excellent home garden variety maturing early. Pkt. 10c., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Osage, or Miller's Cream. Grows to a medium size and is egg- or globe-shaped; the skin is very thin, of dark green color and well netted. The flesh is of a salmon-pink color, remarkably sweet and spicy in flavor; extremely thick and delicious to the rind. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.35.



Rocky Ford Muskmelon

Early Christiana. A very early variety of medium size; skin a dark green color, deeply ribbed; flesh a deep rich yellow, spicy and delicious. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.35.

Round Yellow Cantaloupe. A good sized, nearly round fruit; netted and slightly ribbed; flesh salmon-colored, thick and musk-flavored; earlier than the green sorts. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.35.

Watermelons

One ounce will plant 15 hills, 4 pounds for one acre.

Cole's Early. Cole's Early is a fine, everyday Melon for the amateur. It is very hardy, a sure cropper, and extremely delicate in texture of flesh, which is of a dark red color; the rind is thin and the quality of the flesh is sustained clear to the rind. It is, however, exceedingly brittle, hence not desirable for shipping purposes, but possessing all the other most desirable features. We can highly recommend it for home use. The Melons are of medium size, nearly round in shape, rind green, striped with lighter shades. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Dixie. In form oblong; skin dark green, with a remarkably thin rind; flesh intense deep bright scarlet; very sweet, tender and juicy, quite early; very productive and grows to a large size. This variety is a fine shipper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Kleckley Sweets. Fruits are of large size; oblong in form, with dark green skin; very thin rind, which is quite brittle. Flesh bright scarlet with broad, solid heart, most crisp, sugary and melting; entirely free from any stringiness. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Phinney's Early. Very thin rind; flesh scarlet, sweet, luscious; medium in size, oblong in shape, and very early. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.



Extra Early Hackensack Muskmelon

WATERMELONS—Continued.

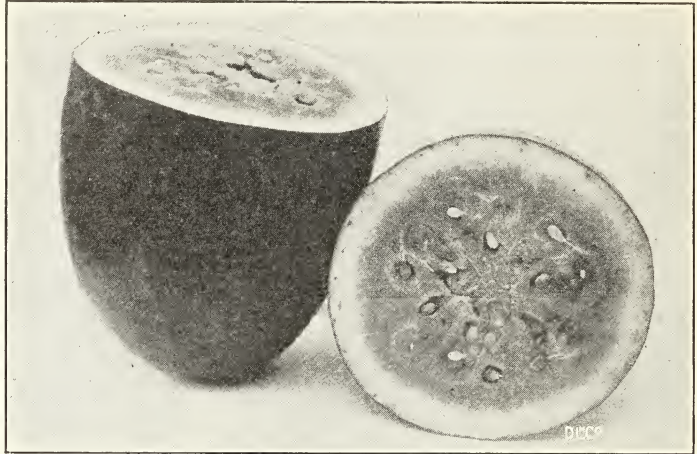
Mountain Sweet. An old favorite, form rather long, color dark green, seeds dark, flesh scarlet, solid, very sweet and delicious. One of the very best for general culture. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.00

Cuban Queen. Skin beautifully striped dark and light green; the flesh is bright red, remarkably solid, luscious, crisp and sugary; very solid and the best of keepers; excellent to ship to distant markets; enormously productive. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.00.

Gray Monarch, or Long White Icing. This distinct Melon is, without doubt, one of the largest of all. The skin is a mottled gray color; shape long; flesh bright crimson and of sweet, delicious flavor. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.00.

Ice Cream. Medium size, nearly round; color pale green; white seed, thin rind; flesh solid, scarlet, crisp, of delicious flavor and very sweet. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.00.

Green Citron. For preserving; small, round, flesh white and solid. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.00.



Kleckley Sweet Watermelon

Nasturtium

Cultivated for use and ornament. The seeds when green, resemble capers, and are used for pickling. The flowers are beautiful and in great variety (see flower seed list). Sow after the ground is warm, in drills ½ inch deep, the dwarf varieties in beds and the tall ones by the side of a fence, trellis or some other support to climb on. They will thrive on any good ground in almost any situation, but are most productive in light soil.

One ounce will sow 20 feet of drill.

Tall Mixed. A showy, graceful climber. The sort mostly grown for pickles. Height about 10 ft. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.40.

Dwarf Mixed. A border plant about 1 foot high. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.40.

Mushrooms

Mushrooms are very easy to grow in any dark place where a uniform temperature of 50 to 60 degrees may be had. A dark cellar or shed, for example. Plant from September till January, in a bed composed of one-fourth loam and three-fourths fresh horse droppings, without much litter; mix thoroughly, put into a heap to ferment, and work frequently till it has cooled off somewhat.

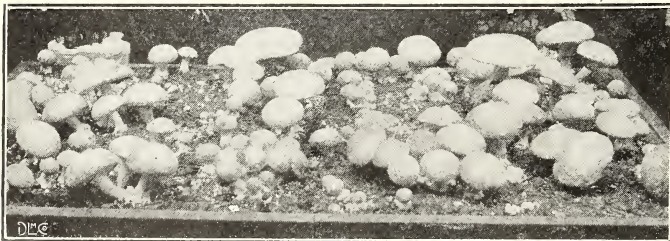
Now prepare a bed 4 feet wide, as long as desired, and build up on a firm, dry foundation. Pack the soil and manure solidly till the bed is level and about a foot high.

Thrust a thermometer into the center; when it registers 85 degrees, break the Mushroom Spawn into pieces about as large as hen's eggs, and plant it 2 inches deep and 10 inches apart all over the bed; cover and press down thoroughly. After 10 days or two weeks, cover the bed with 2 inches of fine, fresh loam, pressed down firmly, and over this put 5 or 6 inches of straw or litter. If room is dry, spray occasionally with warm water. The Mushrooms will begin to appear in four to six weeks. They bring a good price, and are worth growing either for home or market.

Five pounds of Spawn for a bed 12 feet long and 4 feet wide.

American, Pure Culture. In bricks of about 1 lb. Brick 35 cts., 10 bricks \$3.00.

Add to the price of Mushroom Spawn 7 cts. for the first brick, and 1 ct. additional for each succeeding brick, when ordered sent by mail.



Mushrooms

Okra

Grown for its green pods, which can be used in soups and stews. Sow the seed thickly in ordinary soil the middle or last of May, 1 inch deep in drills 2 ft. apart; thin to 10 in. apart in the row.

One ounce will sow 40 feet of drill.

White Velvet. The pods are round and smooth; larger than those of any other sort; never prickly to the touch; produced in great abundance. Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 75 cts.



Okra

Onions

The Onion is not so particular about the character of the original soil as many suppose. Good crops can be obtained on almost any soil not too wet, nor too dry, except a stiff clay, light sand, or hungry gravel. It is essential, however, that the land should be made rich by the thorough incorporation of manure in clean tillage for at least two years from the sod; heavy or rather clayey or moist (not wet) loam generally produces the largest Onions. If coarse manure is to be used, spread on twenty or thirty loads to the acre about the middle of November and plow in, not very deep. In March or April, as soon as the ground will work, plow 4 inches deep, and spread on a good dressing of fine compost, bone dust, or fertilizer. Harrow and cross harrow until the soil is fine and level. However early, a favorable opportunity to put in the seed should not be allowed to pass. Sow in drills 12 inches apart in the garden and 14 inches apart for field culture, cover $\frac{1}{2}$ inch. It requires 4 to 6 pounds for an acre, 5 pounds is about right for medium-sized Onions. It is of the utmost importance to use good seed, not only good, strong-growing seed, but seed that has been raised from good-sized, well-ripened, selected Onions. They require three or four weedings in the row, but if care is taken in sowing to keep the rows straight and uniform, the wheel hoe will run so close to them that there will be but few weeds to remove by hand. It is known to gardeners that if Onions once get choked with weeds they never fully recover so as to produce a full crop. A top dressing of wood ashes, leached or unleached, applied after the second weeding is very beneficial.

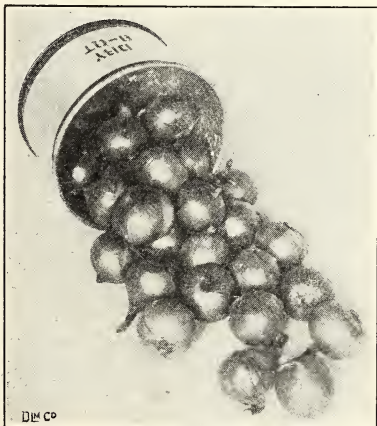
One ounce will sow 100 feet of drill, 5 pounds for one acre.

Extra Early Red. A medium-sized flat variety; uniform in shape and comes into use the last of July; moderately strong in flavor; a good keeper; extensively grown for bunching. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

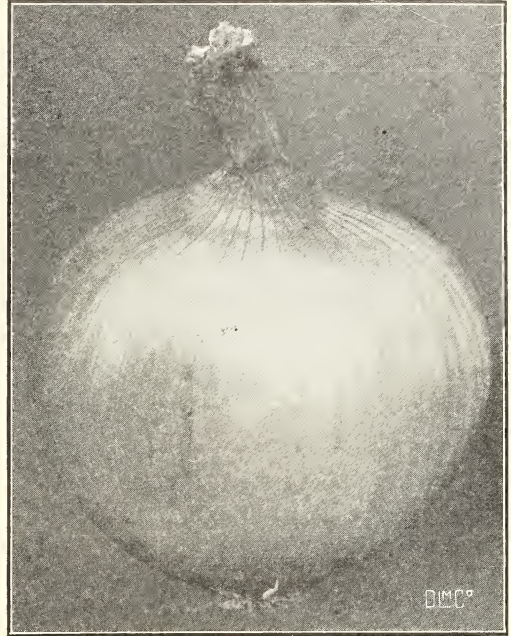
Wethersfield Large Red. The standard red variety; large size, skin deep, purplish-red, form round, somewhat flattened, flesh purplish white, very productive, the best keeper and one of the most popular for general cultivation. As a market Onion the Wethersfield is superior to many other varieties; everybody knows it and it is always in demand. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb., 60 cts., lb. \$2.00.

Southport Red Globe. This sort grows large to medium size. Spherical in shape and of a very deep, rich red color. Good market sort because of color and size. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Yellow Globe Danvers. Of large size; an early and abundant cropper; very thick bulb, flat or slightly convex bottom, full oval top, with small neck, and rich, brownish-yellow skin. We ask attention to the seed we offer, which was grown from a fine and perfect selection of this variety. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.



Yellow Onion Sets



Prizetaker Onion

Mammoth Prizetaker. Of enormous size, averaging from 10 to 16 in. in circumference, and a good Winter keeper. The outside skin is of a rich yellow color, while the flesh is white, sweet and tender. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Southport Yellow Globe. Form nearly ovoid, regular and symmetrical; mild and pleasant flavor; some later than the other yellow sorts. Keeps well. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Southport White Globe. Yields abundantly, producing handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained, and of mild flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

White Portugal, or Silver Skin. Very early, rather flat in shape, mild flavored. Does not keep so well as most other varieties. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.60.

Extra Early Barletta. An Italian variety. The very earliest Onion in cultivation; of small size, color pure white, flavor mild and delicate; makes a handsome and profitable bunching sort, especially if started indoors and transplanted. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.60.

Onion Sets

Plant on good soil in 12-inch shallow drills, 3 inches apart in the drill, and slightly cover; the earlier they can be put in the ground the better. Keep free from weeds and gather a little earth to them in the process of cultivation. They are ready for use as soon as the bulbs begin to be of fair size. Prices variable as to market.

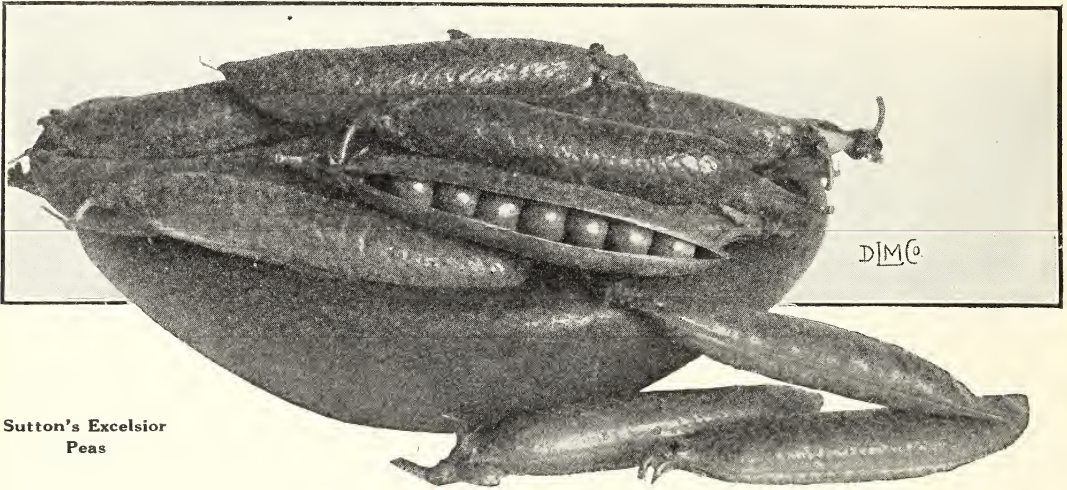
6 to 12 bushels (according to size) are required to set an acre in drills. Prices subject to change. Onion Sets are sold at the rate of 32 lbs. per bus. or 1 lb. per qt.

Yellow Onion Sets. Qt. 35 cts., 4 qts. \$1.00, pk. \$1.65.

White Onion Sets. Qt. 40 cts., 4 qts. \$1.00, pk. \$1.75.

Red Onion Sets. Qt. 35 cts., 4 qts. \$1.00, pk. \$1.65.

Special prices for large quantities on application.



Sutton's Excelsior
Peas

Peas

Two pounds will plant 100 feet of drill, 84 pounds 1 acre.

For first early crop, sow Improved East Hartford Extra Early as soon as the ground can be worked in Spring. Select a rich, light, sandy soil, dry and well sheltered.

For the general crop, a deep, rich loam is best; the soil cannot be too rich for the dwarf varieties. Avoid using coarse, rank manure, as it drives the plants to vines without pods.

For market crop, sow in rows 2 to 4 feet apart, according to the variety. In the kitchen garden, sow the tall varieties in double rows 6 to 8 inches apart, and stick brush firmly between the rows when the vines are about 6 inches high. Sow the dwarf varieties in single rows a foot apart; cover 2 to 4 inches, according to the character of the soil and the time of planting, deepest on light soils and in late planting. Deep planting prevents mildew and prolongs the bearing season, yet in cold, heavy soils the seed is liable to rot if planted deep. If drills are made 5 inches deep and the seed covered only 1 or 2 inches, the earth can be gradually drawn into the trench as the plants grow; in this way a good stand can be had at a good depth. The wrinkled varieties are not so hardy as the hard, smooth sorts, and cannot be planted so early; they are, however, the sweetest and best flavored.

A succession may be had by sowing two weeks after the first early, the early, medium early, medium late, and late varieties at one time, so that they will follow for use one after the other.

INOCULATE THIS
SEED WITH
MULFORD CULTURE

1 lb. equals heaping pt., 2 lbs. equals heaping qt.

ALL VARIETIES, 20 CTS. PER PKT.

To increase your crop of Peas, inoculate with Mulford Culture. Easy to use. Small cost. Large returns. See page 43.

EXTRA EARLY VARIETIES

Hawley's Improved East Hartford Extra Early. The very earliest market Pea in cultivation; of good quality and great productiveness, vines growing to a uniform height of 2½ feet and Peas maturing in two pickings; the very best variety for early market cultivation. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.25, 15 lbs. \$3.85, 60 lbs. \$13.80.

Gradus, or Prosperity. The vines grow 3 ft. in height, with heavy stems and large, light green leaves. Hardy, productive, pods 4 to 4½ in. long, filled with tender Peas, rich in flavor, with all the good qualities of the later marrow sorts, yet only a few days later than the East Hartford. Lb. 40 cts., 2 lbs. 75 cts., 7 lbs. \$2.25, 14 lbs. \$3.85, 56 lbs. \$13.80.

Thomas Laxton. Excepting color of foliage and pods, in growth this is identical with the Gradus, two or three days later, but much more productive. Lb. 40 cts., 2 lbs. 75 cts., 7 lbs. \$2.25, 14 lbs. \$3.85, 56 lbs. \$13.80.

Alaska. A blue Pea of excellent quality. The earliest of all the, blue sorts. A desirable early Pea for market gardeners, growing from 2 to 2½ feet and very productive. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.25, 15 lbs. \$3.85, 60 lbs. \$13.80.

DWARF VARIETIES

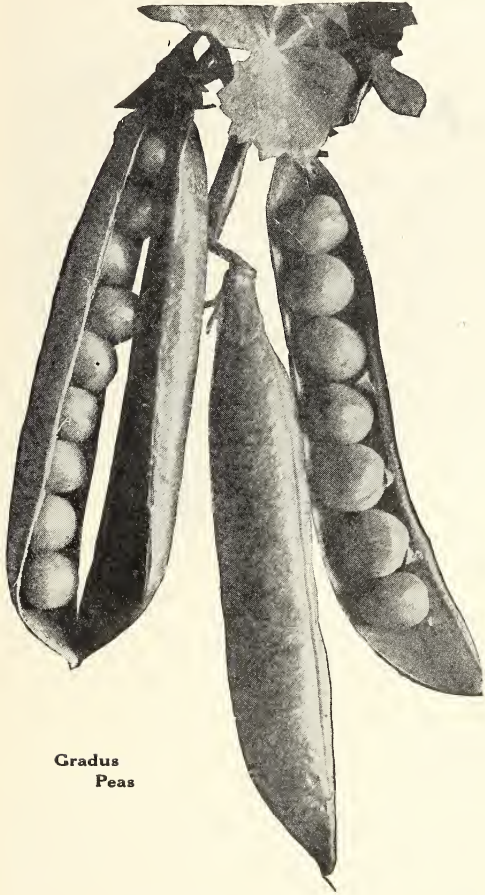
Sutton's Excelsior. Earliness and habit of growth same as Nott's Excelsior, with the added merit of producing abundantly much larger and handsomer pods than any other dwarf early, wrinkled sort. Peas large, tender and delicious. Height 12 in. Lb. 40 cts., 2 lbs. 75 cts., 7 lbs. \$2.25, 14 lbs. \$3.85, 56 lbs. \$13.80.

Nott's Excelsior. An extra early dwarf variety of branching habit. Grows to the uniform height of 1 foot. Remarkably hardy and productive; pods large, with from 7 to 9 fine Peas to a pod. Very sweet and fine flavor. Lb. 35 cts., 2 lbs. 65 cts., 7 lbs. \$2.25, 14 lbs. \$3.85, 56 lbs. \$13.80.

Laxton's Progress. One of the best new dwarf wrinkled varieties. Its fine quality and production cannot be excelled, growing 14 in. high with large well filled pods. Lb. 40 cts., 2 lbs. 75 cts., 7 lbs. \$2.25, 14 lbs. \$4.20, 56 lbs. \$15.00.

Laxtonian. This variety is best described as a dwarf Gradus. The vines grow about 14 in. high, bearing a profusion of dark green pods, with eight or nine large peas in each, of a quality equal to the Gradus, and in season fully as early. Lb. 40 cts., 2 lbs. 75 cts., 7 lbs. \$2.25, 14 lbs. \$4.20, 56 lbs. \$15.00.

ALL VARIETIES OF PEAS, 20 CTS. PER PKT.

Gradus
Peas

SECOND-EARLY PEAS

Little Marvel. A dwarf variety of recent introduction that resembles in size, quality, and quantity the Nott's Excelsior, but has larger pods, which are set heavily on strong-growing, vigorous vines about 15 in. in height. Lb. 40 cts., 2 lbs. 75 cts., 7 lbs. \$2.25, 14 lbs. \$3.85, 56 lbs. \$13.80.

New Dwarf Champion. A robust, hardy variety, growing only 26 in. high, following the Premium Gem, producing in abundance handsome, large, dark green pods well filled with good-sized Peas, and possessing all the merits of the Champion of England. Lb. 35 cts., 2 lbs. 65 cts., 7 lbs. \$2.25, 14 lbs. \$3.85, 56 lbs. \$13.80.

LATER VARIETIES

Alderman. A large podded, wrinkled Pea of robust habit. Pods 5 to 6 inches long, well filled with Peas of excellent flavor. 5 to 6 ft. tall. Lb. 40 cts., 2 lbs. 75 cts., 7 lbs. \$2.25, 14 lbs. \$3.85, 56 lbs. \$13.80.

Bliss' Everbearing. A splendid Pea, bearing pods 3 or 4 in. long and filled with very large Peas of unsurpassed quality. Height of vine, 18 in. Lb. 35 cts., 2 lbs. 65 cts., 7 lbs. \$2.25, 14 lbs. \$3.85, 56 lbs. \$13.80.

Dwarf Telephone or Carter's Daisy. Height under high culture, 18 in.; habit dwarf, stocky, healthy, vigorous; plants frequently bearing from 5 to 7 pods. Pods long, frequently 5 in. in length, remarkably well filled, often containing ten delicious Peas. Lb. 40 cts., 2 lbs. 75 cts., 7 lbs. \$2.25, 14 lbs. \$3.85, 56 lbs. \$13.80.

Telephone. A nice, medium late, wrinkled variety growing 4 ft. high; very productive, having long, slightly curved pods, well filled with Peas of large size and best quality. Lb. 40 cts., 2 lbs. 75 cts., 7 lbs. \$2.25, 14 lbs. \$3.85, 56 lbs. \$13.80.

Champion of England. This well-known kind has never been surpassed in quality and quantity produced by any of the tall varieties; sweet and delicious. Height 5 ft. Lb. 35 cts., 2 lbs. 65 cts., 7 lbs. \$2.25, 14 lbs. \$3.85, 56 lbs. \$13.80.

Pea Brush, 4 to 6 feet.

Parsley

This seed is very slow to germinate and usually two or three weeks will elapse after sowing before the plants make an appearance. To hasten it, soak a few hours in tepid water, and when it swells sow thickly in shallow drills 1 foot apart and cover lightly; thin out the plants to 3 or 4 inches apart in the row. It can be forwarded by starting in the hotbed in February and transplanting to the open ground later. Protect in coldframes or a light cellar for Winter use.

One ounce will sow 150 feet of drill.

Champion Moss Curled. Rather dwarf; of the richest green; beautifully crimped and curled; very ornamental. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Extra Fine Curled. A fine dwarf variety, well curled; excellent for garnishing. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Plain-Leaved. Not much curled; used in soups; rather stronger flavor than the other sorts. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Hamburg, or Rooted. The roots of this type resemble Parsnips, served similar or used in flavoring soup. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

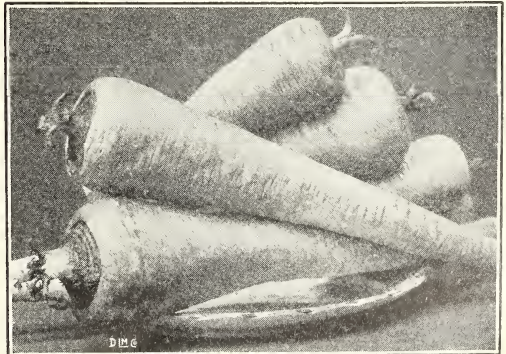
Parsnips

As it is slow to germinate, plant only new seed and that liberally. Sow in April or early in May, in rows 12 to 15 inches apart; cover not more than $\frac{1}{2}$ inch and press the earth firmly on the seed. When well up, thin the plants to 4 inches apart in the rows. Parsnips are improved by frost, therefore a part of the crop should be left to stand in the ground over the Winter.

One ounce will sow about 200 feet of drill, 5 to 6 pounds to 1 acre.

Champion Hollow Crown. Roots long, white, smooth, free from side roots, tender, sweet and of excellent flavor. The tops are small and the crown is surrounded by a slight depression. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Long White Sugar. A great cropper, tender and sugary; roots smooth and long. An old standard sort used for general cultivation. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.



Champion Hollow Crown Parsnips

Pepper

Sow the seed in the hotbed in April, or in a warm, sheltered spot out-of-doors in May. Transplant in June into warm, mellow soil in rows 2 feet apart, and 15 inches between the plants in the row. Earth up a little at one or two hoeings.

One ounce will produce about 2,000 plants.

Sweet Mountain. Fruit large, early, sweet and pleasant to the taste; less pungent than most other sorts. It is much esteemed for pickling, for its mildness, as well as for its thick, fleshy, tender rind. The fruits are borne freely. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Large Bell, or Bull Nose. Similar in shape to the Sweet Mountain, except that it is smaller, more tapering, and usually terminates in four obtuse points; rind thick, fleshy and tender. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$4.50.

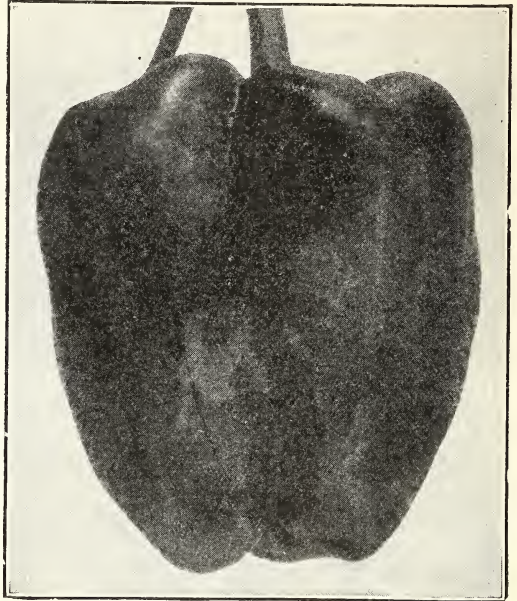
Ruby King. This variety grows to an extraordinarily large size. When ripe, a handsome, bright, ruby-red color; remarkably mild and pleasant to the taste. For stuffing, no other variety can equal it. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$4.50.

Squash, or Pickling. Best for pickling, Tomato shaped, thick meated and productive. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$4.50.

Neapolitan, or Sweet Italian. The earliest of the large Sweet Peppers. Thick meated and very productive. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Long Red Cayenne. Fruit brilliant, coral-red; conical, often curved toward the end, from 3 to 4 in. in length; 1 to $1\frac{1}{2}$ in. in diameter; very productive. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.50.

Cherry Red. A small, smooth, round variety of dwarf growth; fruit at maturity of a deep, rich, glossy scarlet. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.



Large Bull Nose Pepper

Chili. Pods pendant, sharply conical; about 2 in. in length, $\frac{1}{2}$ in. in diameter. The variety generally used for Peppersauce. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

Potatoes

The Potato seems to thrive in almost any soil or climate, but a good, sandy loam suits it best. Old sod plowed the previous Fall will produce the most abundant and certain crops. On no other crop are the results from the use of phosphates more manifest than on the Potato. Organic manure promotes rot and other diseases, while commercial fertilizers prevent them and will grow smooth, fine tubers. Plant as early in the Spring as the ground can be thoroughly worked, in rows 3 feet apart and 10 inches apart in the row; plant one or two eyes in a hill (cut from the surface to the center of the tuber), cover 3 to 4 inches. Cultivate frequently from the time the young plants appear above the surface of the ground until they blossom. At each hoeing, throw the earth up to the plant for support and to develop the side shoots. In some sections, flat culture is preferred to ridging, especially when drought prevails, or the soil is light and sandy.

From 12 to 15 bushels are required to plant an acre.

OUR PRICES for Potatoes will always be found as low as the market will permit, quality considered. On account of fluctuations in values which we cannot anticipate at the time our catalog is issued in January, prices are omitted.

In barrel sacks, 11 pecks each, lowest market prices on application.

Certified Northern Grown Seed

Irish Cobbler. Very early, big yielder, best quality; shape round to oblong.

Early Rose. A large Potato maturing early. The popular market sort.

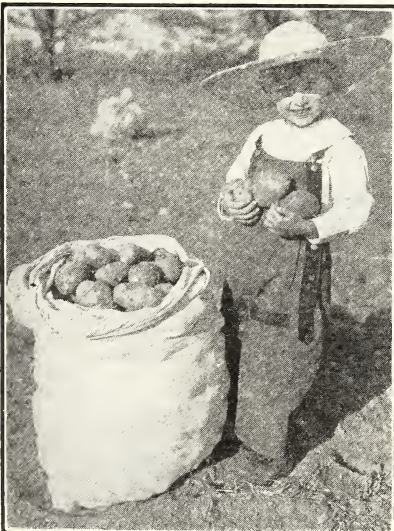
Spaulding Rose. A valuable medium early variety for light soils, resembling the Green Mountain, but having a pinkish skin, cooks white and mealy.

Gold Coin. One of the hardiest, most vigorous in growth, most productive and the best in table quality of all Potatoes; it has proved to be absolutely unequalled for main crop.

Green Mountain. A leader in market; one of the best yielders, keepers, and sellers ever introduced; of fine quality.

Dibble's Russet. A new main-crop variety; extremely disease-resistant and blight-proof. Tubers round to oblong; pure white flesh, russet skin. Yields an enormous crop of the finest cooking Potatoes.

Use SEMESAN and prevent scabby Potatoes. See page 44.



Irish Cobbler Potatoes



Pumpkins

Pumpkin

Culture same as Winter Squash; if planted with Corn, drop two or three seeds in every third or fourth Corn hill at the time of the first hoeing. If planted in fields by themselves, drop five or six seeds in hills 8 to 10 feet apart each way, cover about $\frac{1}{2}$ inch, and thin out to three plants in each hill after the vines are well started.

One ounce will plant 10 to 15 hills, 2 to 3 pounds for one acre.

Big Tom. This grand new Pumpkin is the result of many years' selection from the old Golden Marrow or Michigan Mammoth Pumpkin. The skin and flesh are of a deep, rich orange color; of excellent flavor for pies, etc., cooking soft and tender. For table use and stock feeding no more profitable or better variety can be grown. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.15.

Connecticut Yellow Field. A large yellow variety; the best for field culture; very productive; used by some for culinary purposes, but largely grown for feeding stock. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Golden Oblong. Oblong in shape, as its name indicates and of very uniform size; skin of a rich, golden yellow and tough, making it an excellent keeper. It is very prolific and is valuable for pies as also for feeding stock. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

King of the Mammoths. This is truly a giant among Pumpkins; specimens have been grown to weigh 250 lbs. In shape it is round, flat and slightly ribbed; color of skin and flesh bright golden yellow and of good quality, making excellent pies, but grown principally for stock; its extreme size makes it a prize winner for exhibition purposes. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Large Cheese, or Kentucky Field. Flat and round like a cheese; color of skin deep orange; flesh somewhat lighter. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Green-striped Cushaw. Fruits very large, with crooked neck; creamy white, irregularly striped or traced with green; flesh light yellow, very thick, rather coarse but sweet. This sort is very productive and popular with growers in some sections. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Sweet, or Sugar. This is a small, round and very prolific variety; skin and flesh deep orange yellow; very fine-grained, sweet and fine for pies. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.00.

Winter Luxury. The very best Pumpkin for pies. It grows round and uniformly to a diameter of 10 to 12 in. Color a beautiful golden yellow, very closely netted. As a Winter keeper it stands unequaled. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Rhubarb

Can be grown from seed or from the single eyes taken from large roots. If from seed sow early in April in $\frac{1}{2}$ -inch drills, thinning to 6 inches apart. In the permanent bed set plants 3 feet apart each way. Cultivate and enrich soil at least 2 feet deep. **One ounce will produce 700 plants.**

Victoria. The variety in general use for the market. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75. Roots, 15 cts. each, \$1.50 per doz., \$9.00 per 100.



Early Scarlet Globe Radish. See page 38.

Radish

To succeed with the Radish, everything must be done which will promote steady, rapid growth. A light, rich, sandy soil is best, and for early Spring Radishes the seed should be sown in February in hotbeds, providing gentle heat. Sow in rows 6 inches apart, cover lightly; when plants are well up, thin to 1 or 2 inches apart in the rows. As soon as ground can be worked transplant out-of-doors in beds of finely prepared soil. Rows 8 to 10 inches apart. For a later succession sow every 10 days or two weeks. Sow the seed for Winter varieties in July or August, take up before the first severe frost, pack in sand and store in a cool cellar.

One ounce will sow 100 feet of drill.

Extra Early Deep Scarlet Turnip. Small top; very early; one of the best for forcing; matures in three weeks or less. Small, globular, deep rich red; flesh white; crisp and tender when young. May be planted closely. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early Deep Scarlet Turnip. Small, round, dark red, turnip-shaped; small top; quick growth; flesh white, crisp and tender. More generally used for outdoor planting and forcing than others. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early Scarlet Turnip, White-Tipped. One of the handsomest; a great favorite for early planting out-doors; roots slightly flattened beneath; deep scarlet, with white tip; flesh white and of the best quality. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

French Breakfast. Medium size; olive-shaped; small top; quick growth; crisp and tender; scarlet except near tip, which is pure white. Splendid for table on account of its excellent qualities and beautiful color. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early Scarlet Globe. The roots of this variety are slightly olive-shaped and a rich, bright scarlet in color. The flesh is white and tender. We recommend this as a large, first-early Radish. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early Long Scarlet. 6 or 7 in. long; half out of ground; straight and smooth; bright scarlet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Icicle. The earliest long white Radish of extraordinary crispness and tenderness; very fine for Summer planting. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Chartier, or Shepard Radish. A variety of Long Scarlet. Deep crimson at top, almost white at bottom. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Earliest White Olive-Shaped. The earliest of all. Good-sized Radishes have been pulled 18 to 20 days after sowing; pure white, oblong, crisp and tender. Tops are small, rendering them suitable for forcing, and admit of close planting. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early White Turnip. Pure white, small top; flesh white and semi-transparent. Few days later than Deep Scarlet Turnip; will bear heat longer without becoming spongy. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Early White Giant Stuttgart. Roots often 4 in. in diameter; skin white, flesh white and crisp, remaining so until very late; excellent for Winter use. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.40.

Mammoth White Russian Winter. Pure white; about 1 foot long, and 2 to 3 in. through, tapering to tip. Flesh tender and crisp, keeps well through Winter. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.40.

Scarlet China Winter. Roots cylindrical, largest at bottom, tapering to small top; skin smooth and rosy; flesh firm like Black Spanish, but more pungent. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Round Black Spanish Winter. Roots round, 3 to 4 in. in diameter; skin black, flesh white, compact and highly flavored. Excellent sort for Winter. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Long Black Spanish Winter. One of the latest as well as the hardest; considered excellent for Winter; roots oblong, black, large and firm. Is an excellent keeper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Squashes

Not safe to plant before May 15. Prepare and enrich soil as for Cucumber, and plant seed in hills, 3 to 4 feet apart each way if for Summer varieties, and 6 to 8 feet for the later sorts. Plant 8 to 10 seeds in each hill, covering $\frac{1}{2}$ inch deep, and as soon as plants have set their rough leaves and danger of bugs is past, thin to four plants per hill. **Of the early varieties, one oz. will sow 40 hills, and 10 hills of the later sorts, 4 to 6 lbs. for one acre.**

Early Golden Summer Crookneck. Richest and best for Summer, early and productive. Small, crook-necked, covered with little warts (the more the better). Color light yellow; shell hard when ripe, used only when young and tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

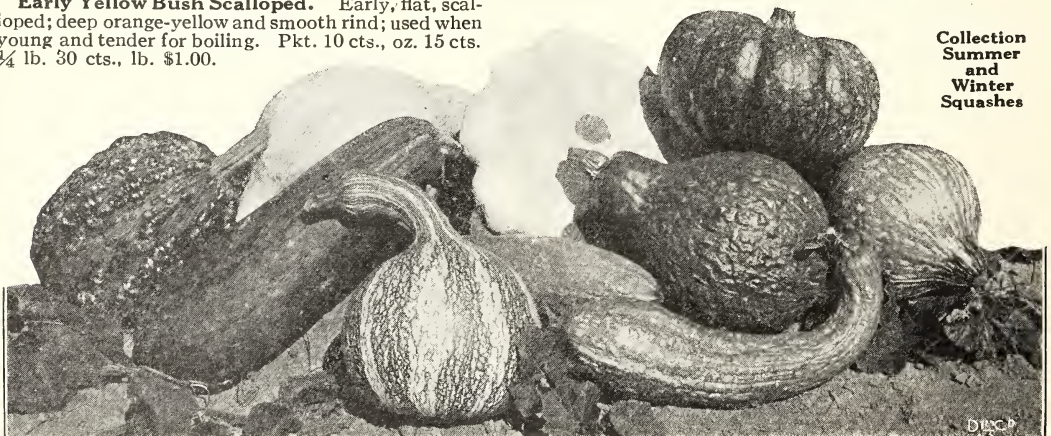
Giant Summer Crookneck. Earlier even than common variety, while Squashes grow extra large, measuring 18 in. to 2 ft. long; fine quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Early Yellow Bush Scalloped. Early, flat, scalloped; deep orange-yellow and smooth rind; used when young and tender for boiling. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early White Bush Scalloped. Shaped like yellow; lighter colored. Larger, coarser and later. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Boston Marrow. Oval, pointed, rind thin, bright orange or salmon; flesh deep orange, finely grained and excellent; seeds large, white, weighs 6 or 8 lbs. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Delicious. Grows to weigh 5 to 10 lbs. and is considered one of the best table, Fall and Winter Squashes. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.



Collection
Summer
and
Winter
Squashes

SQUASHES—Continued

Early Prolific Orange Marrow. Ripens two weeks ahead of the Boston Marrow, and excels it in productiveness and keeping qualities. Orange-red, medium size, sweet flavor, thick, high-colored orange flesh, fine grained and dry when cooked. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Table Queen. In size Table Queen equals a fair-sized, husked cocoanut and a half baked serves one person amply. Unusually thin skin. The meat is dry and mealy, yields enormously, a few hills furnishing an ample supply for a good-sized family. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Hubbard. The standard Winter Squash, grown more extensively than any other late variety; dark green, shell hard, flesh dry, fine-grained, sweet; an excellent keeper and with some care will keep three months later than the Marrows. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50

Italian Vegetable Marrow (Cocozelle di Napoli). The fruits are oblong, average 12 in. in length, color dark green, often striped. They may be prepared for the table the same as any other variety of Summer Squash, but are delicious when cooked like Egg Plant. Picked young and cooked this way they are a delicacy. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Golden Hubbard. Identical in form and quality with the well-known Hubbard Squash except that the heavily warted skin is a beautiful golden. Flesh is deep orange to rind. Cooks very dry; fine-grained and well-flavored. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Blue Hubbard Squash. A distinct sport of the well-known Hubbard. The skin is a peculiar shade of light blue. It is very uniform in size, with very firm dry flesh. It is also a fine keeper and makes an excellent market variety. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Mammoth Chili. True stock. Largest of all; often attaining a weight of 200 lbs. without losing its fine shape and good quality. Rich orange-yellow outside; skin smooth, flesh very thick, bright yellow. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Sorrel

Large Leaved French. Used for soups and salads. Sow seed in any good garden soil in shallow drills a foot apart. Thin plants to a few inches apart and remove seed stalks as soon as they appear. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



Long-Standing Spinach

Salsify, or Vegetable Oyster

Plant and cultivate same as Parsnip, as it is perfectly hardy, it can remain in the ground during the Winter, but should be lifted in the Spring before it commences to sprout. Store a supply for Winter use in a cool cellar like other root crops.

One ounce will sow 100 feet of drill.

Sandwich Island Mammoth

Salsify. This improved type of Salsify has entirely superseded the old variety, being nearly double the size, very smooth, white, and of fine quality. The roots being mashed, or when made into fritters, it is almost impossible to distinguish them from the oyster fritters. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00 lb. \$3.50.



Sandwich Island Mammoth Salsify

Spinach

Thrives best in the richest soil you can give it. Plant seed in drills 12 to 14 inches apart, using plenty of seed, and cover about an inch deep, pressing soil down firmly. For early Spring, sow in August or September, covering the bed lightly during Winter with litter which should be removed as soon as growing commences in Spring. For Summer sow in Spring as soon as ground can be worked, thin to 3 inches apart in row, and for a succession repeat every two weeks.

One ounce will sow 100 feet of drill, 8 to 12 pounds for one acre.

Viroflay, Thick-Leaved. One of the best for market or kitchen garden. Quick-growing, round-seeded variety; thick, dark green leaves, slightly crumpled; suitable for either Spring or Fall sowing. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Evergreen, or Long-Standing. This Spinach will stand two weeks longer than any other without running to seed. Leaves round, large, unusually thick, deeply curled and fine, dark green color. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

King of Denmark. This Spinach grows rapidly and produces large, thick crumpled leaves of a beautiful, dark green color. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

New Victoria. A favorite for Spring planting. Fine texture, deep green, with heavily crimped, thick, fleshy leaves and deep red stem. Remains in good form after other sorts have gone to seed. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Norfolk Savoy, or Bloomsdale. Very early and hardy, with leaves curled and wrinkled like a Savoy Cabbage. One of the best for Fall sowing. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 65 cts.

New Zealand Summer. Not a Spinach, but used as such. Grows $1\frac{1}{2}$ feet high and is very prolific; does well in hot Summer weather when the ordinary Spinach cannot be had; valuable for hot climates. Soak the seed in hot water before using. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

SWISS CHARD. See Beet, page 23.

Tomatoes

Tomatoes thrive best on a light, warm, not over-rich soil. For early plants sow in the hotbed in drills 3 inches apart, four or five seeds to the inch, cover lightly, or they may be started in the sunny window of a warm room. Transplant when 2 inches high into other hotbeds, or into boxes or single pots, and place in the frames; if potted, it is well to plunge the pots into the earth level with their tops. Avoid crowding the plants; 4 inches is as near as they should stand in the frames. Lift the sash on warm, sunny days, and two or three weeks before setting outside gradually harden by exposure to the night air. Set 4 feet apart each way in the open ground in May, as soon as danger from frost is past. For later use sow in the open ground in May, transplant when large enough to handle. By training the vines on trellises or tying up to a stake the fruit will ripen better, be of better quality and of increased productiveness.

One ounce will produce about 1,200 plants.

Spark's Earliana. The earliest large Tomato in the world; it is not only remarkable for its earliness, but for its very large, uniform size, handsome shape, beautiful bright red color and wonderful productiveness. It is smooth and solid, quite thick through and free from rough ribs and cracks. The flesh is deep red with solid center. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.25.

June Pink. As the name implies, it is in color a good deep pink, ripening equally as early as the Spark's Earliana and possessing all its excellent qualities. It is to the pink Tomatoes what the Earliana is to the reds. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Marglobe. Developed by the Bureau of Plant Industry, U. S. Dept. of Agriculture. An extremely heavy cropper, with large, smooth, meaty red fruits free from cracks. Rust and wilt resistant. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

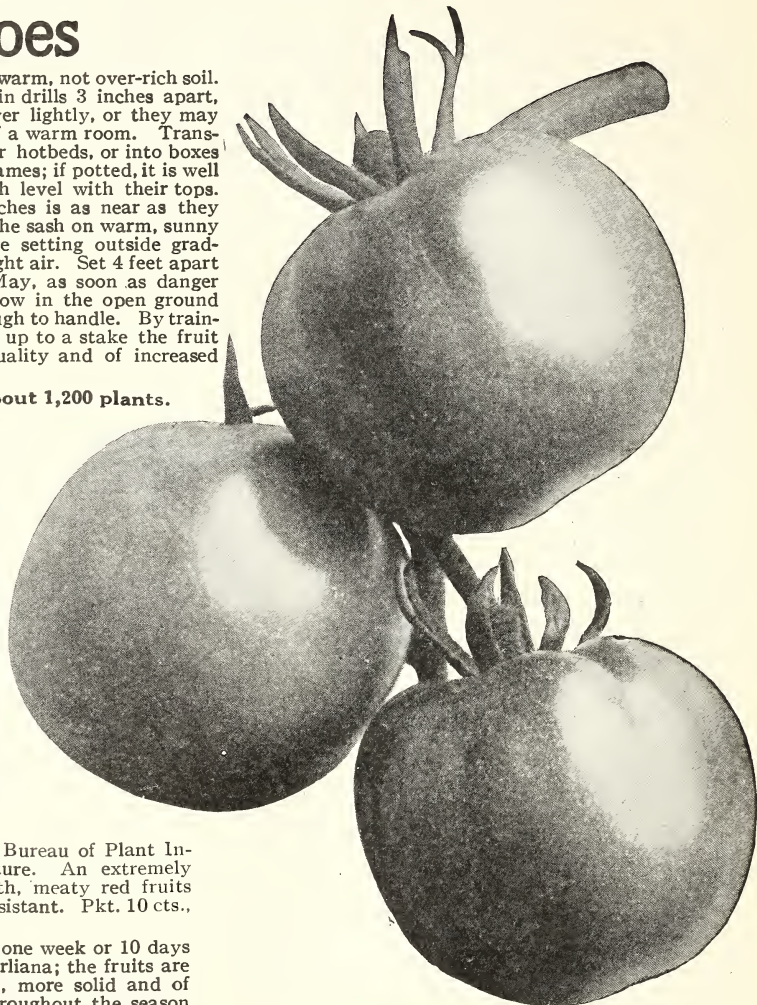
Chalk's Early Jewel. Within one week or 10 days as early as the famous Spark's Earliana; the fruits are uniformly larger, thicker through, more solid and of finer quality. Both early and throughout the season the Tomatoes are uniformly of good size. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Dwarf Champion. The plants grow stiff and upright, with thick-jointed stems and foliage unlike most others, of an unusually dark green color; thick and corrugated; the fruit is medium in size, of a purplish-pink color; very smooth and symmetrical in shape, ripening close around the stem. It matures the fruit very early and is very productive. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$4.50.

Livingston's Dwarf Stone. Is another splendid new variety from Livingston. It resembles the Dwarf Champion in vine, with fruit double the size, yet equally early. In color and shape it resembles the Livingston's Stone and is practically the same size. It ripens evenly; is free from cracks about the stem. The flesh is firm and solid; it is also very prolific. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$4.50.

Early Acme. The plants are of strong and vigorous growth; very productive, fruit of medium size, perfect form, round, slightly depressed at the ends, very smooth (never rough); color a glossy red, with purplish tinge; ripens all over and through at the same time. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Livingston's New Stone. This Tomato has already obtained great favor with canners and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is red, perfectly



Livingston's New Stone Tomato

smooth and thicker from stem to blossom end than most varieties, making it very handsome and salable. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Bonny Best. This beautiful Tomato is as early as Earliana. It is a vigorous grower and sets 12 to 15 globe-shaped, scarlet fruits of uniform size. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Ponderosa. No other Tomato approaches this for size, weight, and solidity. The vines are strong and vigorous, and easily carry their enormous weight of fruit. Its color is of a dark rich crimson, flesh solid. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.50.

Golden Queen. A really good yellow sort of first-class quality. It is solid, smooth; entirely free from ridges; large in size, ripens up early and is a very handsome sort; the larger and riper fruits are frequently tinged with red at the blossom end. None excels it for eating raw or slicing. Makes beautiful preserves. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.25.

Yellow Plum. Fruit plum-shaped, clear, deep yellow color and fine flavored; much esteemed for preserves. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.25.

Strawberry, or Husk Tomato. This, unlike other varieties, grows in a husk or pod, and may be kept all Winter if the husks are not removed. Pkt. 15 cts., oz. 70 cts.

Turnips

The old age: "Sow Turnips the 25th of July, wet or dry," still holds good for the main crop, but excellent results are often obtained from seed planted early in August. New land, plowed the previous Spring, is good; harrow thoroughly and dress liberally with first-class commercial fertilizer. Sow broadcast and rake or bush in. For Summer use, sow early, flat varieties as soon as ground can be worked in Spring in drills 12 to 14 inches apart; cover lightly and thin 6 to 8 inches apart in the rows. Don't use fresh manure, as it makes the roots rough and useless.

One ounce will sow 10 square rods, one pound for one acre.

Extra Early Purple-Top Milan. New flat Turnip; earliest in cultivation. Medium size, flat and smooth; skin white, changing to bright purple above ground; flesh white and firm; flavor mild and sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.35.

Early White Flat Strap-Leaf. Popular, early market variety; good size and quick growth; flesh white, sweet and tender; good for early Spring planting. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Early Purple-Top Strap-Leaf. Very popular; more generally cultivated than the other flat varieties, as it is a quick grower and attains a much larger size; valuable for Spring and late planting; flesh and skin white, skin changing to purple above ground; very compact and fine. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Purple-Top Globe. Large, globe-shaped; good quality; productive and handsome; flesh white and tender, skin white and purple. Good for table or feeding stock. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Long White, or Cow-Horn. Carrot-shaped, stand, ing half out of ground; flesh and skin are pure white shading to green above ground; very productive; grown largely for feeding. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

White Egg. Quick grower, egg-shaped, very smooth, pure white; thin skin, flesh solid, mild, juicy and sweet. Grows large, keeps late, one of the best. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

White Globe (Pomeranian). Very desirable; large, round, smooth, white, good for table use and feeding stock; very early, good quality, productive. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

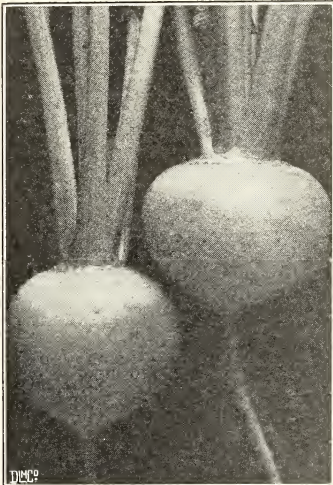
Sweet Yellow Globe. One of the very best for table and feeding; globe-shaped, large, smooth and handsome; pale yellow, flesh hard and firm, mild and sweet. Keeps well. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Golden Ball. Globular, good size, flesh deeper color than Yellow Globe; firm, good keeper, excellent. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.



Improved American Swede Turnip

smaller top and with shorter neck than English varieties. Oblong with short tap-root. While growing large on strong, newly cultivated land, they remain solid and fine-grained. Flesh deep yellow; skin yellow, purple above ground. Quality and flavor sweet and mild, and like the other Swedes, keeping until late Spring. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.



Golden Ball Turnip

SEMESAN
DU PONT
Makes Seeds Healthy

SWEDE TURNIPS

Also known as Rutabaga, Russian, French, and Rock Turnips. Sow from the middle of June until the middle of July in drills 2 feet apart and thin liberally. Cultivate thoroughly.

One ounce will sow 150 feet of drill, one pound for one acre.

Budlong's Improved White French. An improved American variety. Early and grows nearly globular; large, solid and fine-grained; mild and sweet; keeps well until late Spring. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

Sweet White Rock. One of the very best of Swedish sorts; come mands a good price. Good size and shape, smooth and clear white, hard and brittle, but cooking tender and sweet. As a Winter or Spring Turnip, it has no superior and few equals. Keeps very late. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

Improved American Purple-Top Swede. A strain of yellow Rutabaga of American origin, with smaller top and with shorter neck than English varieties. Oblong with short tap-root. While growing large on strong, newly cultivated land, they remain solid and fine-grained. Flesh deep yellow; skin yellow, purple above ground. Quality and flavor sweet and mild, and like the other Swedes, keeping until late Spring. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

Tobacco

American-Grown Havana. $\frac{1}{2}$ oz. 30 cts., oz. 50 cts.

Fine East Hartford Broad-Leaf. $\frac{1}{2}$ oz. 30 cts., oz. 50 cts.

Sweet Herbs

Catnip. Pkt. 10 cts., oz. 75 cts.

Broad-Leaf Sage. Pkt. 10 cts., oz. 35 cts.

Dill. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.35.

Lavender. Pkt. 10 cts., oz. 50 cts.

Rosemary. Pkt. 10 cts., oz. 60 cts.

Sweet Basil. Pkt. 10 cts., oz. 20 cts.

Sorrel. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Sweet Fennel. Pkt. 10 cts., oz. 25 cts.

Sweet Marjoram. Pkt. 10 cts., oz. 50 cts.

Summer Savory. Pkt. 10 cts., oz. 50 cts.

Thyme. Pkt. 10 cts., oz. 50 cts.

PLEASE REMEMBER THAT OUR STORE IS LOCATED AT THE SAME PLACE IN THE SHOPPING DISTRICT, WHERE WE HAVE DONE BUSINESS FOR MANY YEARS.



Timothy

Red Top

Kentucky Blue Grass

Red Clover

General List of Grass Seeds

Prices subject to market changes.

INOCULATE THIS SEED WITH
MULFORD CULTURE

Timothy, or Herd's Grass (*Phleum pratense*). $\frac{1}{2}$ bus. to the acre (45 lbs. to a bus.) Market price.

Red-Top Grass (*Agrostis vulgaris*). Absolutely clean and free from chaff. 15 lbs. to the acre (36 lbs. to a bus.) Market price.

Fancy Clean Blue Grass, Kentucky (*Poa pratensis*). Also called June Grass. Fancy re-cleaned seed. 30 lbs. to the acre (25 lbs. to a bus.) Market price.

Creeping Bent (*Agrostis stolonifera*). 50 lbs. to the acre (15 lbs. to a bus.) Lb. \$1.00.

Hard Fescue (*Festuca duriuscula*). 30 lbs. to the acre (12 lbs. to a bus.) Lb. 55 cts.

Meadow Fescue (*Festuca pratensis*). 40 lbs. to the acre (15 lbs. to a bus.) Lb. 55 cts.

Meadow Foxtail (*Alopecurus pratensis*). 25 lbs. to the acre (8 lbs. to a bus.) Lb. 45 cts.

Orchard Grass (*Dactylis glomerata*). 3 bus. to the acre (14 lbs. to a bus.) Lb. 30 cts.

Chewing's New Zealand Fescue. Highly recommended for putting greens (27 lbs. to a bus.) Re-cleaned and of latest crop. Lb. 60 cts.

Rhode Island Bent (*Agrostis canina*). 3 bus. to the acre (10 lbs. to a bus.) Lb. \$1.00.

Rough Stalked Meadow Grass (*Poa trivialis*). 20 lbs. to the acre (10 lbs. to a bus.) Lb. 75 cts.

Rye Grass, English (*Lolium perenne*). 2 bus. to the acre (24 lbs. to a bus.) Lb. 30 cts.

Rye Grass, Pacey's (*Lolium perenne tenue*). 60 lbs. to the acre (28 lbs. to a bus.) Lb. 30 cts.

Rye Grass, Italian (*Lolium italicum*). 2 bus. to the acre (18 lbs. to a bus.) Lb. 20 cts.

Sheep's Fescue (*Festuca ovina*). 50 lbs. to the acre (12 lbs. to a bus.) Lb. 55 cts.

Sweet Vernal Grass (*Anthoxanthum odoratum*). 25 lbs. to the acre (10 lbs. to a bus.) Lb. 50 cts.

Tall Fescue (*Festuca elatior*). 40 lbs. to the acre (22 lbs. to a bus.) Lb. 55 cts.

Tall Meadow Oat Grass (*Avena elatior*). 6 bus. to the acre (12 lbs. to a bus.) Lb. 25 cts.

Wood Meadow Grass (*Poa nemoralis*). 28 lbs. to the acre (14 lbs. to a bus.) Lb. 75 cts.

Prices on seed in the lists above fluctuate with the market, and will be quoted on request.

Clovers

Northern Crown Domestic. We do not handle imported clover seeds.

Large Red Mammoth, or Pea Vine (*Trifolium pratense*). If sown alone, 15 to 20 lbs. to the acre.

Medium Red (*Trifolium pratense*). If sown alone, 15 to 20 lbs. to the acre.

White (*Trifolium repens*). If sown alone, 8 to 10 lbs. to the acre.

Alsike, Swedish (*Trifolium hybridum*). If sown alone, 8 to 10 lbs. to the acre.

Alfalfa, or Lucerne (*Medicago sativa*). Genuine Grimm certified. If sown alone, 20 lbs. to the acre.

Crimson (*Trifolium incarnatum*). An annual with crimson flowers, 12 to 15 lbs. to the acre.

Millets

Sow three-fourths to one bushel to the acre.

Hungarian Grass (*Sectaria germanica*). 48 lbs. to the bus. Market price.

Golden. 50 lbs. to the bus. Market price.

Japanese, or Barnyard. 32 lbs. to the bus. Market price.

Sudan Grass

An annual of quick growth, the first crop being ready to cut in 50 to 70 days after planting, depending upon the length of the seasons and moisture; the second and third crops about 45 to 50 days later. It stools freely, sometimes as many as 100 stems coming from one seed. It dies with killing frost and has a short root which is easily eradicated. It averages 3 to 5 feet in height, with stems about the size of a lead pencil, when seeded broadcast. Sudan Grass has been grown successfully on almost every class of soil from heavy clay to light sand, doing best on a rich loam. Of course, on light, sandy soil a light yield may be expected. Sown broadcast, 25 lbs. per acre; sown in drills 6 lbs. per acre. Market price.



Selected Farm Seeds

Prices on seed in the following list fluctuate with the market, and will be quoted on request.

SPECIAL MIXTURES FOR PERMANENT HAY

- No. 1, for cool, moist soils, sow 35 lbs. to acre.
- No. 2, for high, dry soils, sow 40 lbs. to acre.
- No. 3, for wet soils, sow 35 lbs. to acre.

SPECIAL MIXTURES FOR PERMANENT PASTURES

- No. 4, for cool, moist soils, sow 35 lbs. to acre.
- No. 5, for high, dry soils, sow 40 lbs. to acre.
- No. 6, for wet soils, sow 35 lbs. to acre.

Barley

Montana, Two-Rowed. Head longer than the six-rowed varieties and the grain is larger; plump, extra heavy, in favorable seasons nearly white. Extensively grown for green forage.

Common. Six-rowed; grown for forage.

Soja Beans

One of the most valuable and important forage and soil-improving crops. When cut together with Corn for the silo, they greatly improve the quality of the feed.

Rye

Spring. Valuable for "catch crop" to sow where Winter grain has failed. 1½ bus. per acre.

Winter White. Sow from middle of August to last of September. Sow broadcast, or drill at rate of 1½ bus. per acre.

Dwarf Essex Rape

Rape has a high feeding value for fattening sheep

and swine, also a good milk producing food for cows. Sow broadcast, 5 to 6 lbs. to the acre.

Japanese Buckwheat

Plants large and vigorous, maturing seed early and resisting drought and blight remarkably well; the grain is much larger and has a thinner hull than the Common or Silver Hull. 1 bus. to the acre (48 lbs. per bus.)

Canada Field Peas

For the northern states there is no crop of greater value than Field Peas, and there is no kind of livestock on the farm to which Peas and Oats or Barley in mixture cannot be fed to positive advantage. 2 bus. to the acre; with oats 1½ bus.

Vetches


Winter, Sand, or Hairy. No other legume surpasses it as a nitrogen-gatherer or as a cover crop. 30 to 60 lbs. to the acre.

Spring. An annual legume valuable as a Summer forage when sown early in Spring at the rate of 30 lbs. Vetch and 2 bus. grain Barley or Oats per acre.

Wheat


Marquis Spring. Adapted for New England, maturing about ten days earlier than others.

White Winter (Dawson Golden Chaff). Bald. A hardy variety; very prolific in this section. 2 bus. to the acre.



Inoculate Your
Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches
and
Other Legume Crops
WITH
Mulford Cultures
FOR LEGUMES

Small Cost Large Returns Easy to Use No Labor Expense





Inoculated GARDEN BEANS Uninoculated
The Contrast Speaks for Itself

Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil.

Mulford Cultures are scientifically prepared and tested with the utmost care and skill. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Cultures and may readily be applied to your seed. The sealed bottle insures purity.

Legumes offer the best known means of maintaining soil fertility and rejuvenating overcropped and wornout fields. They add both humus and nitrogen to your soil and thus increase your yield of Wheat, Cotton, Corn and other non-legume crops.

The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitrogen-fixing bacteria to induce a prompt "catch" and increase your yield.

Always specify on your order what crop you want to inoculate

FOR SMALL SEEDS

- | | |
|------------------------------|------------------|
| 10, 2½, 1 and ½ bushel sizes | |
| { Alfalfa | { Crimson Clover |
| { Burr Clover | { Red Clover |
| { Sweet Clover | { Alsike Clover |
| { Yellow Clover | { White Clover |
| { Sainfoin | { Mammoth Clover |

- 10 bushel size.....\$8.00
- 2½ bushel size..... 2.25
- 1 bushel size..... 1.00
- ½ bushel size..... .60

FOR LARGE SEEDS

- | | |
|-----------------------------|----------------|
| 20, 5, 2 and 1 bushel sizes | |
| { Canada | { Cow Peas |
| { Field Peas | { Velvet Beans |
| { Garden Peas | { Peanuts |
| { Sweet Peas | { Soy Beans |
| { Perennial Peas | { Mung Beans |
| { Vetch | { Garden Beans |
| { Lupins | { Lima Beans |

- 20 bushel size.....\$8.00
- 5 bushel size..... 2.25
- 2 bushel size..... 1.00
- 1 bushel size..... .60

Garden size (Composite culture for Garden Beans, Garden Peas, Lima Beans and Sweet Peas)..... .35

Free descriptive folder sent upon request

Insecticides and Fungicides

Liquids and poisonous powders are not mailable. Non-poisonous Insect Powders and Soaps, however, may be sent at the regular Parcel Post rates. See page 2.

Prices subject to change.



ANTROL. A scientific ant control. The new way to *kill ants*. Cottage set of nine receptacles is generally sufficient to control ants around the garden and six-room cottage. Cottage set, nine jars with syrup, \$1.90 each; pint bottles syrup, \$1.00 each; small jars, 20c. each.

AGRI-PAX CONTACT INSECTICIDE. Kills insects surely, economically. No foliage injury. Stainless. Non-poisonous. Spreads evenly, completely. Does not corrode. Does not settle or clog nozzle. Recommended by florists and market gardeners. ½ pt. 40c., 1 pt. 60c., 1 qt. \$1.00, 1 gal. cans \$3.25. Special prices in large quantities.



B-K (Bacili-Kil). Powerful disinfectant, sterilizer, deodorant, antiseptic, for milk plants, dairies, live stock, and poultry farms. 10 oz. 60c., qt. \$1.25, gal. \$3.00, 5 gals. \$12.50.

ARSENATE OF LEAD (Powdered). Dissolve one pound in twenty-five gallons of water. Directions with each package. Lb. 40c., 4 lbs. \$1.40, 25 lbs. \$5.50.

"BLACK-LEAF 40" (Sulphate of Nicotine). Destroys aphids, thrips, and all soft-bodied sucking insects without injury to foliage; perfectly soluble in water. Directions with each package. 1 oz. bottle 35c., ½ lb. can, \$1.25, 2 lb. can, \$3.25, 10 lb. can \$11.85.

BORDEAUX MIXTURE (Dry). Ready for use by simply adding water. One pound makes five gallons of spray. Lb. box 25c., 4 lbs. 85c., 25 lbs. \$4.00.

BOWKER'S "PYROX."

The one best spray for destroying all leaf-eating insects. Does all that arsenate of lead will do besides protecting trees, shrubs, vegetables and plants against fungous disease, one application answering both purposes, saving labor and expense. Sticks like paint in spite of heavy rains. Ready to use by simply adding water. Directions for use on every package. Lb. 50c., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$6.25, 50 lbs. \$10.75, 100 lbs. \$15.50.



BUG DEATH. A non-poisonous powder but sure death to Potato, Squash and Cucumber bugs, Currant and Tomato worms, also all other plant eating pests. Lb. pkg. 20c., 3-lb. pkg. 40c., 5-lb. pkg. 60c., 12½ lb. pkg. \$1.40, 100-lb. keg \$8.00.



CYANO GAS. The new, efficient, inexpensive chemical insecticide.

Cyanogas "G" Fumigant. Is the standard greenhouse and mushroom house fumigant.

Cyanogas "A" Dust. Is universally used to kill ants, rats, moles, woodchucks and other burrowing rodents.

Leaflets with detailed directions furnished upon request. "G" Fumigant, lb. 75c., 5 lbs. \$3.00; "A" Dust, lb. 75c., 5 lbs. \$3.00.

CARBOLINEUM (Arrow Brand). Preserves wood everywhere and is highly recommended against mites and other insects in poultry houses. Gal. \$1.75. Prices on application for large quantities.



CROW REPELLENT (Stanley's). Has been used successfully by experienced Corn growers for years. It rids your Corn crop of crows and other Corn pulling birds and animal pests. Positively will not clog any planter. Small can, enough for one bushel seed Corn, \$1.00; large can, for two bushels, \$1.50.

DRY LIME-SULPHUR. Not a substitute for lime sulphur solution, but actually the same as made in liquid form to meet all Government requirements, but reduced to the dry form by a special process. To use, add water as directed on the package. Economical and convenient

to use; if stored in a dry place, tightly sealed, will keep indefinitely. Lb. 35c., 5 lbs. \$1.45, 10 lbs. \$2.40, 25 lbs. \$5.00.



DERRISOL. An ideal, non-poisonous, odorless, safe and pleasant to use contact spray. Exceptionally efficient for the control of aphids, black and green flies, leaf hoppers, thrips, and many other soft-bodied insects as well as some small eating larvae such as Cabbage worms. Mailable, and full directions with each package.

1 oz. bottle (makes 6 gals.)... \$0.35
½ lb. bottle (makes 50 gals.)... 1.20
1 lb. can (makes 100 gals.)... 2.00
2 lb. can (makes 200 gals.)... 3.00
10 lb. can (makes 1000 gals.)... 12.00

FUNGINE. An infallible remedy for mildew, rust, wilt, bench rot and other blights, affecting flowers, fruits and vegetables. Equally effective under glass and out of doors. A sulphur composition which, diluted with water, contains no sediment and does not stain the foliage. One gallon makes fifty gallons spraying solution. Pt. 65c., qt. \$1.00, gal. \$3.00.

GRAPE DUST. For destroying mildew on Grape vines and trees affected with mold, mildew or rust. 5-lb. pkg. 85c.

HELLEBORE, WHITE, POWDERED. Universally used for the destruction of Rose bugs, Currant worms, etc. Very effectual and cheap. ½ lb. pkg. 30c., lb. pkg. 45c.



SEMESAN SEMESAN Jr. SEMESAN BEL
The Premier Seed Disinfectants

Semesan can be applied in either the dry or liquid form to control practically all common agricultural seed-borne diseases. *Semesan Jr.* provides an unusually effective but inexpensive dust treatment for the prevention and control of corn seed diseases. *Semesan Bel* is an excellent dust or water mixture disinfectant for seed diseases of potatoes and other tubers.

Prices for Du Pont

Semesan		Semesan Jr. and Semesan Bel	
2 ozs.....	\$.50	5 lbs....	\$13.00
8 ozs.....	1.60	25 lbs....	62.50
1 lb.....	2.75	50 lbs....	122.50
		1 lb.....	\$1.75
		5 lbs.....	8.00
		25 lbs.....	37.50

Ask for Free Booklets Telling All the Facts.

INSECTICIDES AND FUNGICIDES—Continued

KAYSO. The Casein Spreader. Two heaping teaspoonfuls for each ten gallons or two pounds for each two hundred gallons of diluted spray. 8 ozs. 30c., 2 lbs. 50c., 10 lbs. \$2.35.

LEMON OIL INSECTICIDE. The best and cheapest in the market. Used by nearly all leading growers. It effectually destroys mealy bug, scale, thrip and red spider. Pt. 65c., qt. \$1.00, gal. \$3.25.

MELROSINE, DEATH TO ROSE BUGS. The Rose bug need no longer be endured, he can be eliminated; although his hard shell and vitality have made him immune to ordinary insecticides, he dies when sprayed with Melrosine. Pt. can \$1.00, qt. can \$1.75, ½-gal. can \$3.25, gal. can \$6.00.

NICO-FUME TOBACCO PAPER. For fumigating greenhouses. The strongest tobacco paper on the market, furnishing the easiest method of fumigation ever devised. Packed in tin cans. 24 sheets \$1.25, 144 sheets \$5.25.



NICO-FUME TOBACCO POWDER. Contains a high percentage of nicotine

for fumigating greenhouses. 1 lb. \$1.00, 5 lbs. \$4.00, 10 lbs. \$7.50.

NICO-FUME LIQUID. A highly refined solution of free nicotine, which is used both as a spray and for vaporizing. Complete directions on every tin. ¼ lb. 75c., lb. \$2.00, 4 lbs. \$7.00, 8 lbs. \$13.00.

PARIS GREEN. A poison universally known and extensively used. Very liable to burn the leaves and foliage and should be used with great care. Market price.

SCALECIDE. Sure death to the San José scale. A soluble petroleum spray for use in orchards. It is economical, effective, and acts as a fungicide. Qt. 75c., gal. \$1.75, 5 gals. \$6.25, 10 gals. \$10.60, 15 gals. \$13.50, 30 gals. \$26.00, 50 gals. \$38.00.



SNAROL. An unusual combination of materials carefully selected to insure effectiveness wherever cutworms, earwigs, grasshoppers, snails, slugs or sowbugs give trouble. Depend upon it in any weather—rainy, wet or dry. Apply it without fear of injury whatever to any flower, plant or shrub.

1 lb. 50c. each, 3 lbs. \$1.00 each.

SULFOCIDE. An efficient Summer spray for the control of scab and black rot on fruit trees. Excellent for mildew on Roses and for similar fungus troubles. Dilute one gallon to 200 gallons of water. Qt. \$1.00, gal. \$2.75.

SOAP, FISH OIL. It is a most reliable, effective and cheap remedy for destroying scale, aphids, and all sucking insects on trees, Rose bushes, plants, vines, etc. Complete directions on the package. Lb. box 30c.

SLUG SHOT, HAMMOND'S. An infallible insecticide. Destroys worms and insects injurious to house and garden plants, shrubs, trees, vines, vegetables and fruits of all kinds. It does not injure the foliage in the least. Can be used in water or as a dry powder. Directions for using Slug Shot on each package. 5-lb. pkg. 65c.



TOBACCO DUST. This product is very fine, and analyzes high in nicotine. Applied when the vegetation is wet with dew, it is an effective and cheap remedy for lice, bugs, worms, and similar pests on Rose bushes, shrubs, Melons, Squash, Cucumber, Cabbage, etc. Lb. 15c., 5 lbs. 45c., 10 lbs. 75c., 50 lbs. \$3.00, 100 lbs. \$5.50.

VERMO-SPRAY. Liquid exterminator of all species of insects, forms a gas which kills flies, roaches, moths, fleas and ants, hornets, etc. Guaranteed 100 per cent. effective if used according to instructions. Pt. 75c., qt. \$1.25, ½ gal. \$2.50, gal. \$4.50. Prices on application for large quantities.

VOLCK. The most powerful non-poisonous insecticide known; however, the fact that it is also one of the safest is of equal importance for pest control in house and garden. ½ pt. 50c., pt. 75c., qt. \$1.00, gal. \$3.00.

WEED EXTERMINATOR, HERBICIDE. A liquid preparation for killing weeds in tennis courts, roadways, paths, etc. Qt. cans 70c., gal. \$2.00, 5 gal. 7.50.



WILSON'S O. K. PLANT SPRAY. For Roses, Chrysanthemums, evergreens and all plants affected with scale or insects under glass or outside. Mix 10 to 20 parts of water. ½ pt. 40c., qt. \$1.00, gal. \$3.00.

WHY BUGS LEAVE HOME



WORM ERADICATOR, READE'S. When applied, the worms will immediately rise to the surface of the ground, ridding courts, greens or lawns of worms. If possible the application should be made on a warm, damp day. 10 gals. \$34.00, 25 gals. \$75.00.

The Ideal Spray for Roses and Other Plants

SCIENTIFIC PREPARATIONS ENDORSED BY LEADING ROSARIANS



Conquers mildew and black spot on Roses and diseases of other plants. Assures luxuriant foliage and bloom. ½ Pt. 75c., Pt. \$1.25, Qt. \$2.00, ½ gal. \$3.50, Gal. \$6.00.



Destroys aphids and all plant lice. Feeds the plant through the foliage. Splendid for house plants,



Spring-Summer Ground Dressing and Ground Stabilizer. A valuable plant food.

2 oz. (sample bottle).....\$0.50
 ½ lb. (½ pt.)..... 1.25

1 lb. (pint).....\$2.25
 2 lbs. (quart).... 3.50
 12 lbs. (1½ gal.) 15.00

1-lb. tins.....\$0.75
 2-lb. tins..... 1.25
 5-lb. tins..... 2.75

10-lb. tins.....\$4.75
 25-lb. tins.....11.00
 100-lb. kegs.....40.00

All these sprays are highly concentrated, making 60 times their volume when diluted with water.

Note—A 10-pound tin of Feroegen is sufficient for one application for 30 to 50 Rose bushes.

Deming Spray Pumps

The "Century" Barrel Sprayer

The best all-round barrel sprayer on the market. Widely used for disinfecting farmyards, barns, poultry-houses and stock-pens; spraying stock-dip and cattle-fly oil; whitewashing buildings and fences, etc., in addition to the regular work of spraying. Is proof against corrosion, as all working parts are brass. Will develop powerful pressure; is easy to operate.

Universal Iron Base fits 10x10-in. hole in side or end of barrel. Filling hole in base admits liquid. 2 1/4-in. iron cylinder, 4-in. stroke. Large air-chamber. Shipping weight, 75 lbs.

Pump only, with "Y" connection..... \$15.00
Outfit "A," including one 12 1/2 ft. section of 1/2-in. hose and Simplex nozzle..... 20.00

Outfit "B," including two 12 1/2-ft. sections of 1/2-in. hose and two Simplex nozzles..... 25.00

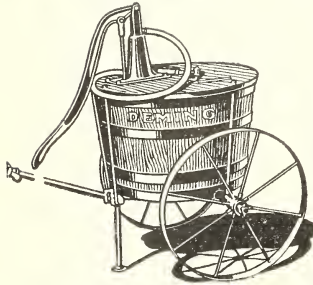
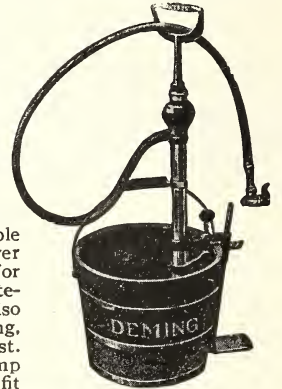


The "Gardener's Choice" Cart Sprayer

A "one-man" machine. Substantial pump. Easy to operate. All brass working parts. Hardwood tank holds 24 gallons, 24-inch diameter wheels and 2-inch tires. Hub to hub measurement, 33 inches. Equipment includes 6 feet of 1/2-inch hose and Bordeaux nozzle. Shipping weight, 120 pounds. **Price, \$46.00.**

The "Perfect Success" Bucket Spray Pump

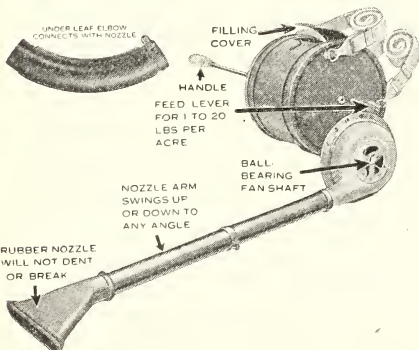
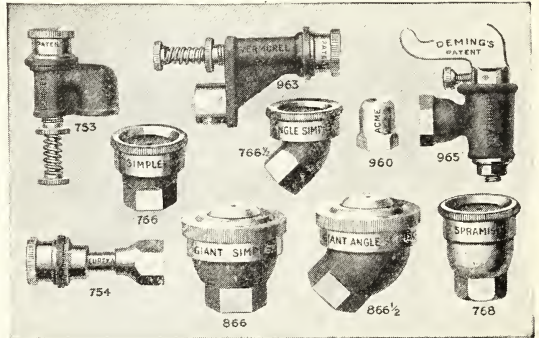
It's fun to use the "Perfect Success." Indispensable for spraying a small number of fruit trees; for flower and vegetable gardens, greenhouses, etc.; also used for washing windows, buggies, and autos; applying whitewash and disinfecting in barns and poultry-houses; also applying cattle-fly oil, stock-dip, etc. An easy-working, powerful pump—all brass but handle and foot-rest. Will last a lifetime. Has malleable iron bucket clamp for holding pump firmly in bucket, so entire outfit may be carried from place to place by the bail when bucket is full



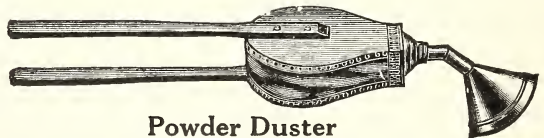
of mixture. Fitted with 3 feet of 3/8-inch hose and Bordeaux nozzle. Shipping weight, 10 pounds. **Price, \$7.00.**

PRICE LIST OF NOZZLES

- Fig. 965, "Bordeaux."** May be adjusted to throw fine or coarse spray or solid stream. Best for whitewashing..... \$1.25
- Fig. 963, "Vermorel."** With caps for fine or coarse spray. Spring disgorger..... 1.00
- Fig. 766 1/2, Angle "Simplex."** Has two removable steel discs for coarse or fine spray.... .80
- Fig. 866 1/2, "Giant Simplex Angle."** Similar to 766 1/2 but larger..... 1.20
- Fig. 960, "Acme."** Throws solid stream or fine spray..... .50



The Savage Duster will dust anything in powder form. Made of the finest material and will last for years. **Price, \$20.00.**



Powder Duster
 Price \$1.65



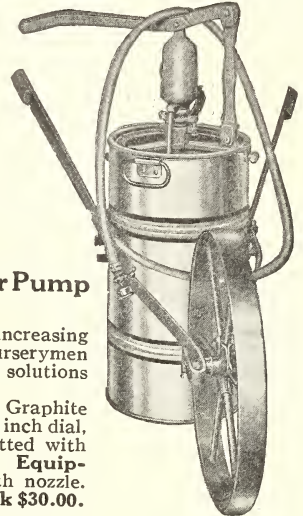
Dickey Bug Death Duster
 Price 50 cts.

The Auto-Spray Compressed-Air Sprayer

For applying all insecticides, fungicides, disinfectants, cattle-fly oil, whitewash and cold water paint. The Auto-Spray is the strongest and most simple in its working parts of any compressed air sprayer. Two pumpings of about fifteen strokes on the plunger will discharge the contents under high and constant pressure. After pumping, the operator has nothing to do but direct the spray. It is regularly equipped with carrying strap, 2 feet of 1/2-inch hose, fine spray nozzle, solid-stream cap, and shut-off as selected and at prices below.



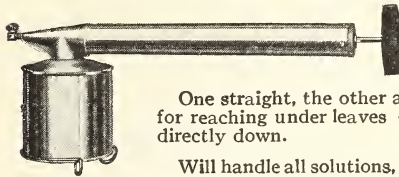
- "Auto-Spray" No. 1A, brass tank, with stop-cock..... \$9.25
- "Auto-Spray" No. 1B, brass tank, with "Auto-Pop" with 2 ft. solid brass extension..... 9.75
- "Auto-Spray" No. 1C, galvanized tank, with stop-cock..... 6.25
- "Auto-Spray" No. 1D, galvanized tank, with "Auto-Pop" with 2 ft. solid brass extension..... 6.75
- Extension pipe, 2 ft. long, solid brass... .60



AUTO-SPRAY, No. 40, Hand Lever Pump COMPLETE OUTFIT

The demand for this portable sprayer is increasing among hundreds of gardeners, florists and nurserymen for handling whitewash, cold water paint, insecticides, fungicides, and all solutions in the garden, greenhouse or poultry plant.

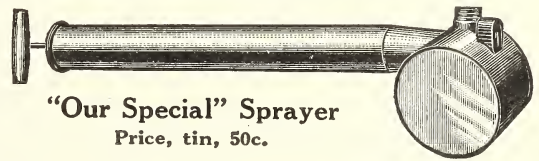
Tank—Heavy galvanized steel, capacity 12 gals. **Pump**—Plunger Style, Graphite Packing, adjustable from the outside. No leather cups. **Plunger**—Brass 1 1/2 inch dial, 3 to 4 1/2 inch stroke as desired. **Valves**—Brass, ball valves. Suction pipe fitted with brass strainer. **Agitation**—Mechanical, effective, operates from the handle. **Equipment Galvanized**—Tank capacity 12 gals. with truck. Lever shut off with nozzle. Shipping weight with truck, crated, 75 lbs. (Net 58 lbs.) **Price \$26.50. Brass tank \$30.00.**



Cadwell & Jones Continuous Sprayers TWO SPRAY CAPS. Tin \$1.15; all brass \$1.50.

One straight, the other at an angle for reaching under leaves or spraying directly down.

Will handle all solutions, insecticides and disinfectants used in greenhouse, kitchen garden, window garden, for Rose bushes and in the poultry house.



"Our Special" Sprayer Price, tin, 50c.

Vermorel Eclair No. 1—Knapsack Sprayer

A marvel of French ingenuity — simplicity, efficiency, durability and lightness. The most perfect hand sprayer and in a class by itself.

Price \$18.50.

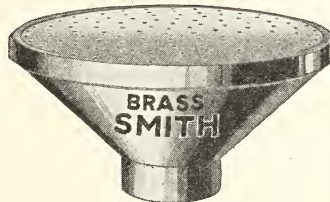


Cooper Hose Menders

Hose Washers

Hose Couplings

Hose Clamps



Hothouse Nozzle

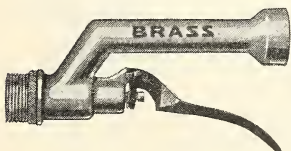
This is a heavy, cast brass nozzle with heavy sheet brass perforated plate. Throws large, fine spray, unsurpassed for hothouse sprinkling, watering lawns, vegetables and flower gardens, shrubbery, etc.

Price, 3 in. \$1.00, 4 in. \$1.25.



Thermometers

- Greenhouse
- Hotbed
- Self-Registering
- Brooder
- Dairy
- Price, 60 cts. upwards.



Aquamatic Nozzle

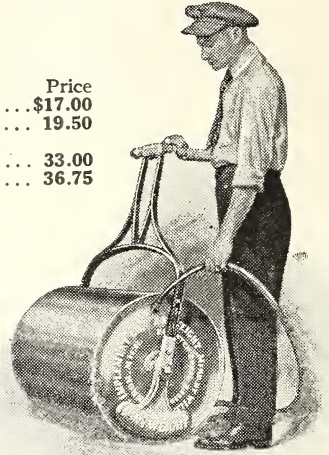
Cuts water bill in half.

Ball-Bearing Water-Ballast Lawn Roller

By filling its hollow drum with water (use hose or bucket and funnel) you can adjust the roller any weight desired.

Equipped with Counterpoise Handle and Roller-Bearing
Net Prices

	Track	Diameter	Weight empty	Weight filled with water	Price
1 Section	24 inches	18 inches	75 lbs.	330 lbs.	\$17.00
1 Section	24 inches	24 inches	100 lbs.	440 lbs.	19.50
Ball Bearing Cast Rollers					
2 Sections	24 inches	20 inches	300 lbs.		33.00
3 Sections	30 inches	20 inches	350 lbs.		36.75



Indestructo-metal Tree and Plant Labels

The most simple, satisfactory and economical permanent labels. No ink is used, stylus with each lot is used to indent the metal and remains permanent.

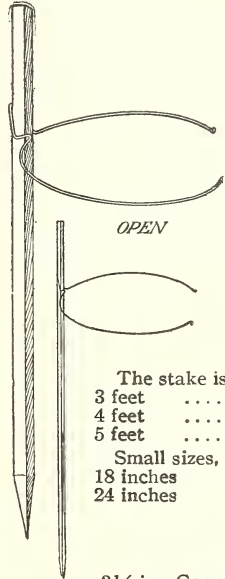


No. 1— $\frac{3}{4}$ x $3\frac{3}{4}$ in.	100
No. 2— $1\frac{1}{8}$ x5 in.	\$1.20
	1.50

Excellent for labeling Dahlias, Gladiolus, Cannas and similar tubers before storing for Winter.

Twig Lawn Broom

Price, 70c.



OPEN



No. 51—8 in. wire stakes	100
No. 52—10 in. wire stakes	\$1.50
No. 53—15 in. wire stakes	1.75
For garden use or potted plants	
No. 62—Garden Label—15 in. stake, label interchangeable.	2.25
$1\frac{1}{8}$ x $3\frac{1}{2}$ in. per doz.	\$3.00

"Adjusto" Plant Support

It is adjusted in a "jiffy" to any height, to conform to the plants' growth. It is indispensable for Tomatoes, Roses, Hydrangeas and Dahlias, in fact, everything on the lawn or in the garden that needs a support.

The stake is made of hard wood and heavy spring wire, painted green.

	Each	Doz.
3 feet	\$0.30	\$3.00
4 feet . . . . .	.35	3.30
5 feet . . . . .	.40	3.60
Small sizes, suitable for small, potted plants, Carnations, etc.		
18 inches . . . . .	.10	1.00
24 inches . . . . .	.13	1.25

Pot Labels PAINTED

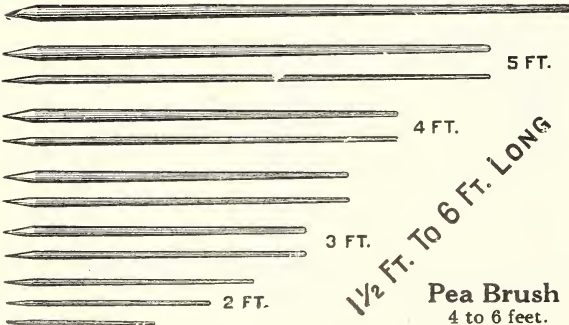
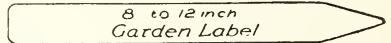
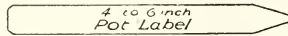
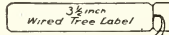
	Per 1000	Per 1000
$3\frac{1}{2}$ -in. Copper wired tree . . . . .	.50c. per 100; \$2.50	5-in. \$2.20
4-in.	1.75	6-in. 2.50
$4\frac{1}{2}$ -in.	1.95	12-in. \$1.25 per 100

Simplex Weatherproof Plant Labels



Prices, including copper wires for attaching

Sizes	100
No. 1, $3x\frac{1}{2}$ in.	\$3.00
No. 2, $4x\frac{3}{4}$ in.	5.00
No. 3, $5x1$ in.	7.00



5 FT.

4 FT.

3 FT.

2 FT.

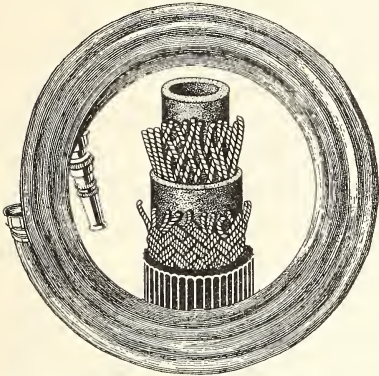
$\frac{1}{2}$ FT. TO 6 FT. LONG

Pea Brush
4 to 6 feet.

Weatherproof Lead Pencils, Black
10 cts. each

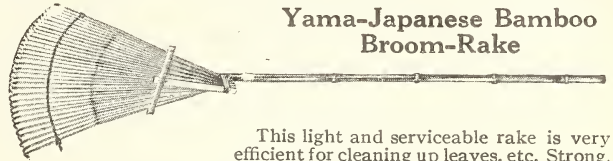
Wooden Plant Stakes PAINTED GREEN

	Doz.	100
Light, Round, Tapering.		
2 feet	\$0.55	\$3.25
3 feet	1.00	6.25
4 feet	1.50	9.30
5 feet	2.00	12.30
Heavy, Round, Tapering.		
4 feet	2.15	13.20
5 feet	2.70	16.95
6 feet	3.35	20.75



**Cadwell & Jones Sterling—
Special Cord**

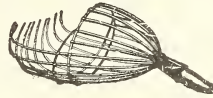
A moulded hose made of the best materials. We offer this hose in 25- and 50-ft. lengths, coupled. This hose is guaranteed to give satisfaction.



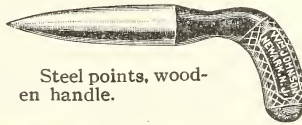
**Yama-Japanese Bamboo
Broom-Rake**

This light and serviceable rake is very efficient for cleaning up leaves, etc. Strong, durable and light; easily handled by the ladies. Each 18 in. 60c. and \$1.00, 24 in. \$1.25.

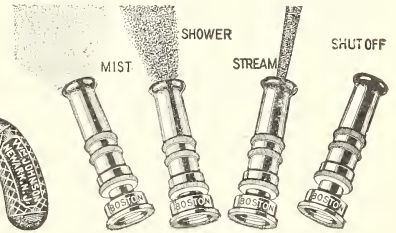
Fruit Picker



Dibbles

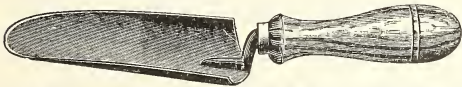


Steel points, wooden handle.



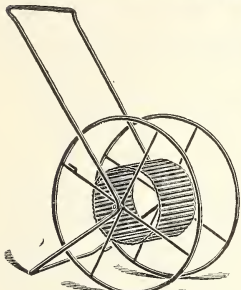
Hose Nozzles

Made of heavy brass. Can be adjusted to throw a coarse or a fine stream, also shuts off absolutely tight.



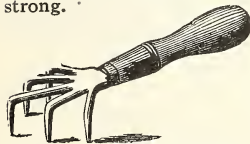
Garden Trowels

Extra forged steel. Solid steel blade and shank



Hose Reels

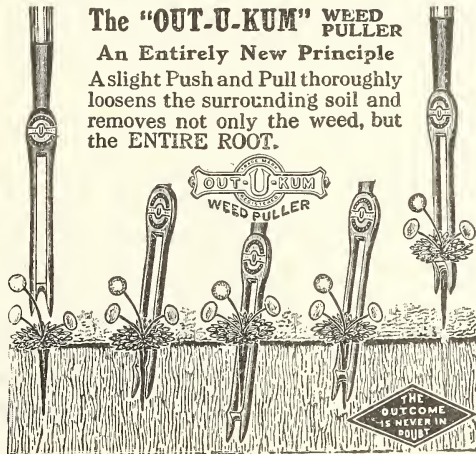
Iron, made durable and strong.



5-Prong Hand Weeder

The "OUT-U-KUM" WEED PULLER

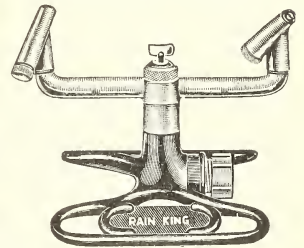
An Entirely New Principle
A slight Push and Pull thoroughly loosens the surrounding soil and removes not only the weed, but the ENTIRE ROOT.



Price, 75c.

Garden Lines Braided

Will not kink. 100 feet.



**The Rain King
Lawn Sprinkler**

The Rain King combines the best features of the best sprinkler, can be adjusted for circular or stationary spray, fine or coarse, fast or slow, large or small lawns, trees, shrubs, flower beds, takes care of them all. Simple adjustments made easily. Price \$3.50.

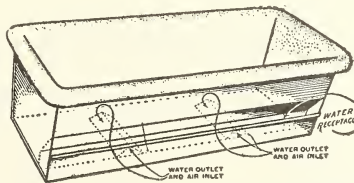


**Two Purpose
Sprinkler**

Changed instantly from a hose nozzle to a stationary spray. Fulfills every sprinkler requirement. Range, 55 feet from nozzle and 40 feet circle as a garden spray. Price \$2.00.

Hotbed Mats

76x76 inch, covers two sash, made of heavy cotton or duck filled and quilted.

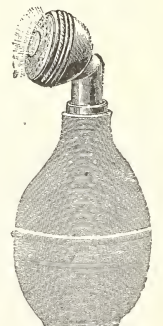


Success Window Flower Box

The boxes are made suitable for all locations with a patented water pocket so constructed that watering is easy, air circulation perfect, keeping the soil sweet and healthy. The plants get the water at the root, where it does the most good. Strongly made, watertight, galvanized steel box, attractively finished in dark green enamel. In cold weather take plants in your home without danger of wetting your floors. 30 inches, \$2.00; 36 inches, \$3.00.

**Rubber
Plant
Spray**

For sprinkling plants, flowers, clothes, etc. Easy to fill. One turn of cap removes same. Angle neck, \$1.25; straight neck, \$1.00.

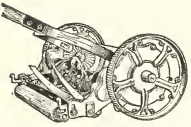


Baskets

For holding leaves and other garden work, etc.

75c. upwards.

PENNSYLVANIA
Quality
LAWN MOWERS



For the Man who takes
Pride in his Lawn

Super Great American Lawn Mower.

It is the best all around mower of its type made. Ball bearings make easy running, and self sharpening tool steel blades mean that your *Great American* is always in perfect condition. You will rejoice in its uninterrupted service. 17-in. \$22.50, 19-in. \$25.00.
OLD STYLE GREAT AMERICAN LAWN MOWER. 17-in. \$19.50, 19-in. \$22.50.

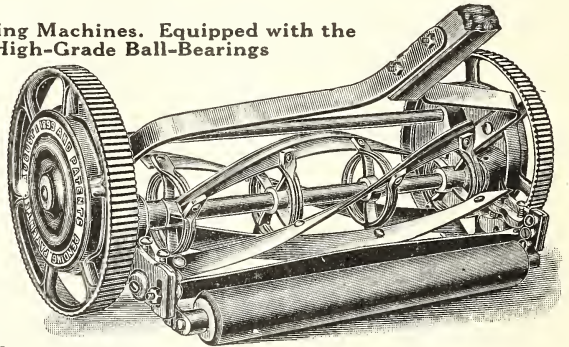
Self-Adjusting Ball-Bearing Lawn Mowers

Lawn Mower Troubles Reduced to a Minimum

Ball-bearing lawn mowers have in the past been open to serious objections on account of the delicate readjustment required to give satisfactory results. The advent of the new patented self-adjusting device marks a new era in lawn mowers, and will obviate ninety per cent of the lawn mower troubles. Simple and effective, it will keep the cutting cylinder of a machine in perfect adjustment, running easily and doing perfect work until the mower is worn out. All of our ball-bearing mowers are equipped with this improvement. And the bearings are warranted for five years.

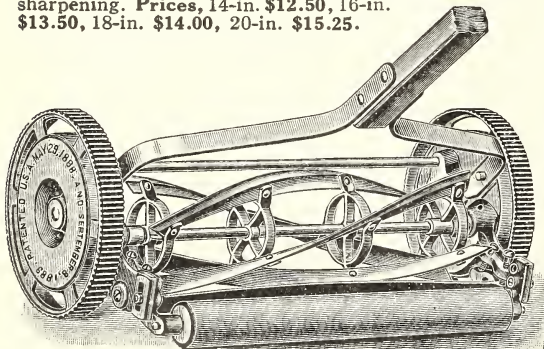
Cyclemower The Perfection of Lawn Mowing Machines. Equipped with the new Self-Adjusting, High-Grade Ball-Bearings

Driving wheels are 10 inches in diameter. It has patent convex revolving knives which are run at high speed and are made of the best crucible steel, hardened and tempered by an entirely new process. The stationary knife is of best crucible steel with lipped edge against which the revolving knives shear. The pawls are hardened cast steel and are warranted to last as long as the pinion and never to slip, thereby leaving streaks in the lawn. The mower runs almost noiselessly and is warranted to give every satisfaction to the most critical user. Prices, 14-in. \$15.00; 16-in. \$16.25, 18-in. \$17.75, 20-in. \$19.00.



High-Wheel Universal Lawn Mower 9-inch Wheels, with the New Self-Adjusting Ball-Bearings

A first-class, high-wheel lawn mower at a popular price. Four patent convex revolving knives giving continuous cut. 9-inch driving wheels. The pawl and ratchet is our patent positive lock, and the pawls are cast steel, hardened. The stationary knife has lipped edge against which the revolving knives shear and is hardened by a new process, making the mower self-sharpening. Prices, 14-in. \$12.50, 16-in. \$13.50, 18-in. \$14.00, 20-in. \$15.25.



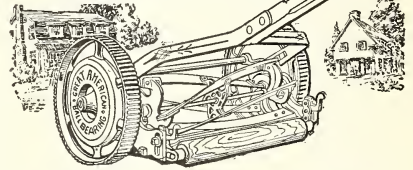
Pennsylvania High Wheel Lawn Mower 10 1/2 INCH WHEELS

For parks, cemeteries, golf grounds and large lawns, this mower has made for itself an enviable record for durability and quality of work done. With 10 1/2-in. wheels, rear cut and train of gears, it is adapted to either the smoothest lawns or to grounds that are irregular, cutting unwildly grass, or velvety lawns in a most satisfactory manner. Net cash price, 17-in. \$30.50, 19-in. \$34.50.

Pennsylvania Super Roller Golf Mower.

A close cutting, light running mower for putting greens, croquet grounds, tennis courts. All the bearings are either ball or roller, oil tight and dust proof. Cut can be regulated between 1/8 in. to 1 1/4 in., Alemite system of lubrication.

A good Mower
costs least in the end



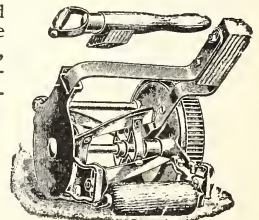
Great American

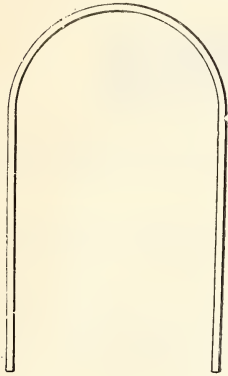
Special Universal Lawn Mower

A high-wheel lawn mower at a low price. Three revolving knives running at high speed, giving continuous cut. The pawl and ratchet is our patent positive lock, and the pawls are cast steel, hardened. Eight-inch driving wheels with skeleton rims. Patent convex revolving knives and flexible stationary knife with lipped cutting edge. Fully warranted. Prices, 14-in. \$10.35, 16-in. \$11.00, 18-in. \$11.65.

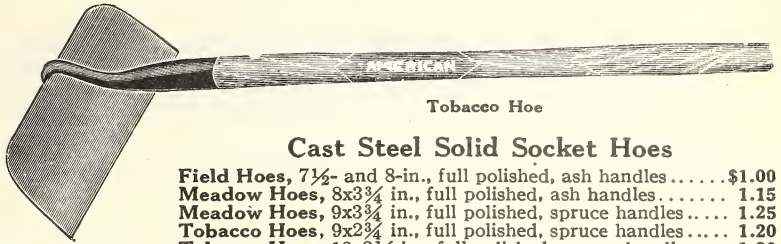
Universal Lawn Trimmer

Cuts every blade of grass left by the lawn mower close to buildings, fences, walls, shrubbery, etc. Dispenses entirely with hand grass hook. Time saved will pay its cost in one season. Self-adjusting, ball-bearing. Self-sharpening wiper blades, cutting to one-eighth of an inch of end of trimmer. Sold on its merits. Satisfaction guaranteed. Price, \$10.00.





Lawn and Garden Wickets
Heavy galvanized.



Tobacco Hoe

Cast Steel Solid Socket Hoes

- Field Hoes, 7½- and 8-in., full polished, ash handles..... \$1.00
- Meadow Hoes, 8x3¼ in., full polished, ash handles..... 1.15
- Meadow Hoes, 9x3¼ in., full polished, spruce handles..... 1.25
- Tobacco Hoes, 9x2¼ in., full polished, spruce handles..... 1.20
- Tobacco Hoes, 10x2½ in., full polished, spruce handles.... 1.30
- Tobacco Hoes, 11x2½ in., full polished, spruce handles.... 1.45

Cast Steel Solid Shank Hoes

- Field Hoes, 7½ and 8 in., full polished, ash handles..... \$0.95
- Street or Mortar Hoes, 10x6 in., full polished, 6-ft. ash handles .1.35
- Ladies' Hoes, 5-in., full polished, ash handles..... \$0.75
- Square Top Onion, 7x1¼ in., ash handles..... 1.00



Planet, Jr. Turf Edger
Price, \$1.75.

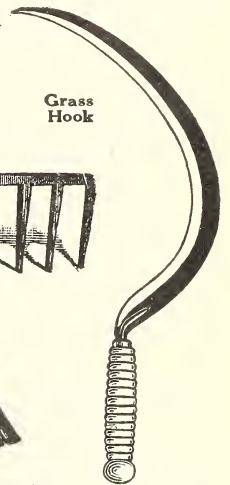
Potato Hooks

- 5-Round-Prong Potato Hooks, solid steel shanks..... \$1.30
- 6-Round-Prong Potato Hooks, solid steel shanks..... 1.40



Socket Turf Edger
(Solid Steel Blade and Shank)

- Long handle..... \$1.20
- D handle..... 1.30



Grass Hook



Ely's True Temper Cast Steel Garden Rakes

- 10-tooth..... \$1.00
- 12-tooth..... 1.15
- 14-tooth..... 1.25
- 16-tooth..... 1.35
- 18-tooth..... 1.45

Cast Steel Gravel Rakes

This rake is finer and has shorter teeth than the garden rakes.

- 16-tooth..... \$1.35
- 18-tooth..... \$1.45

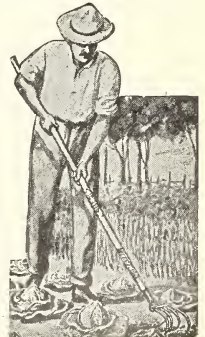
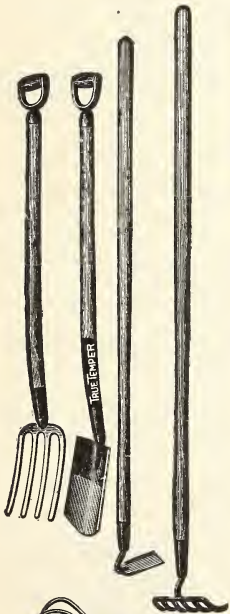
Medium-Sized True Temper Cast Steel Garden Sets

Especially adapted for ladies' and boys' use. Quality and finish same as full-sized tools. Comprising Steel Spading Shovel, Boys' Steel Spading Fork, Light Steel Hoe and Six-toothed Forged Steel Rake. Only in complete sets. Price, \$3.00 per set.

Norcross Cultivator-Hoe and Weeder

There is no type of garden implements known that will compare with the "Norcross" line. It has a place of its own, so important that a trial only is necessary to demonstrate its superior qualities. We, therefore, make it a "money-back" proposition; that is, if after a thorough trial it is not satisfactory, return it and get your money back.

- 5-prong Cultivator-Hoe, 4-ft. handle, weight, 3 lbs..... \$1.00
- 3-prong Cultivator-Hoe, 4-ft. handle, weight, 2 lbs..... .80
- 3-prong "Midget," 9-in. handle, weight, 12 ozs..... .50
- Midget Weeder, by parcel post..... .55



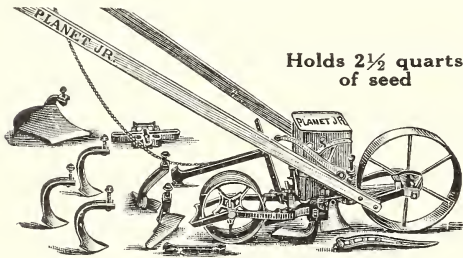
Planet Jr. Garden Tools

The new "Planet Jr." catalogue is the handsomest, best and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.

No. 4 Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

Price, complete, \$17.00. As a seeder only, \$13.50.

Plants in hills, 4, 6, 8, 12 or 24 inches apart. For use as a cultivator, the drill parts are removed and the tool frame substituted by changing but one bolt.

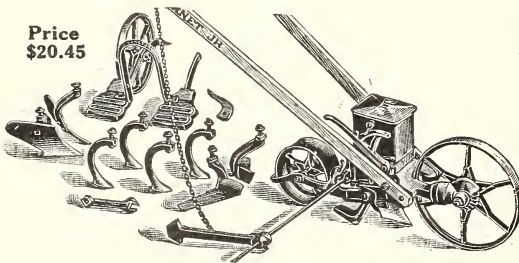


Holds $2\frac{1}{2}$ quarts of seed

No. 25 Combined Hill and Drill Seeder, Double-Wheel Hoe, Cultivator and Plow

Holds $2\frac{1}{2}$ quarts of seed. Steel frame.

The simplicity of this tool, both as a seeder and as a wheel hoe, makes the combination thoroughly practical. Two acres a day can easily be worked with this implement and when it is done, it will be a better job than several men could have done in the same time with hand hoes.

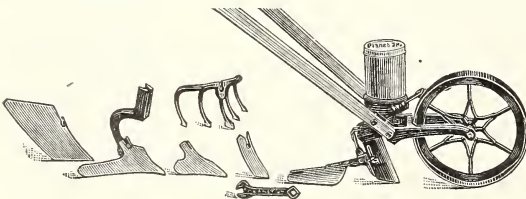


Price \$20.45

No. 31 Combined Drill Seeder

No. 31D, Seeder \$9.00.

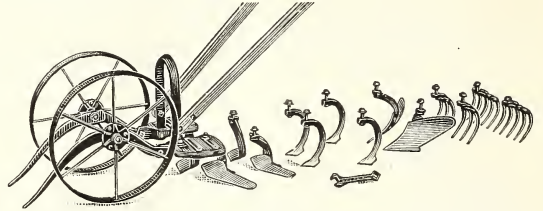
It will sow even a small packet of garden seed any thickness desired, with precision.



No. 11 Double-Wheel Hoe, Cultivator, Plow and Rake

Price, \$13.00

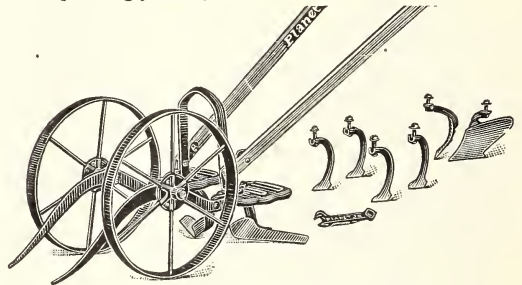
All our wheel hoe tools are of a special pattern, carefully tested by practical men; no others ever offered compare with them. All the steel parts are high-carbon steel, oil-tempered, finely formed, finished and polished and work to a charm.



No. 12 Double-Wheel Hoe, Cultivator and Plow

Price \$10.25

This tool is identical with No. 11 wheel hoe, except that it has one pair plows, one pair hoes, four cultivator teeth and a pair of leaf lifters only, and is sold at a correspondingly less price.



No. 13 Double-Wheel Hoe

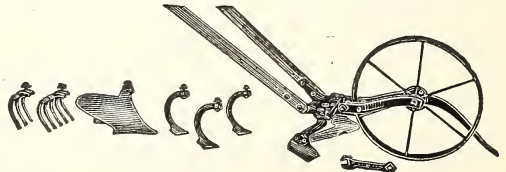
Price, \$7.50.

This tool is the No. 12, with 6-inch hoes only.

No. 16, Single-Wheel Hoe, Cultivator, Rake and Plow

Price, \$8.50

In Nos. 16, 17 and 18 the wheels, frames and handles are alike, but the attachments sold with each vary.



No. 17, Single-Wheel Hoe

Price, \$7.25

Has a pair of 6-inch hoes, a plow and a set of cultivator teeth—an outfit sufficient for most garden work.

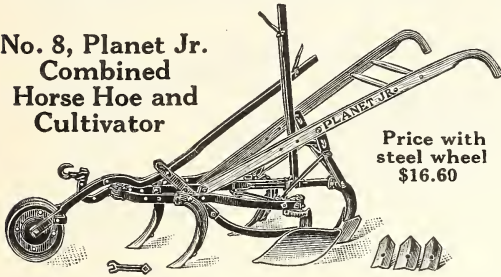
No. 18, Single-Wheel Hoe

Has one pair of 6-in. hoes only. Price \$5.45.

Planet Jr. Garden Tools

We offer these as the highest type of their class. They have a great variety of tools which adapt the implements to a large variety of work.

No. 8, Planet Jr. Combined Horse Hoe and Cultivator



Price with steel wheel \$16.60

No. 7, Horse Hoe and Cultivator

Price, with steel wheel, \$16.00

The No. 7 Horse Hoe is the No. 8 without the Depth Regulator.

No. 9, Horse Hoe and Cultivator

Price, with steel wheel, \$14.70

Is identical with No. 7, except that it has a plain instead of lever wheel.

Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer

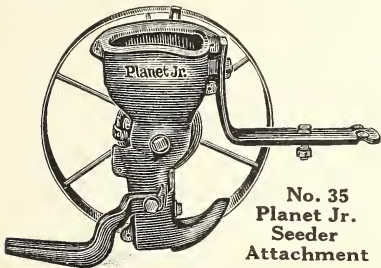
Price, complete with steel wheel, \$17.00. Without pulverizer, \$14.00. Without pulverizer or wheel, \$11.00

With the 12-tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. It's a special favorite with Strawberry growers, market gardeners and truckers.

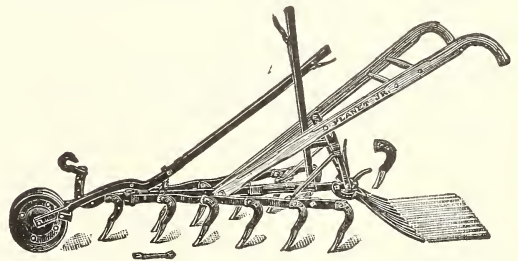
No. 35 Planet Jr.

Seeder Attachment for Wheel Hoes

We are now prepared to furnish a small seeder which can be attached to any Planet Jr. Single and Double Wheel Hoes and will sow in a continuous row practically any garden seeds. Indispensable for the kitchen garden. Price \$6.20.



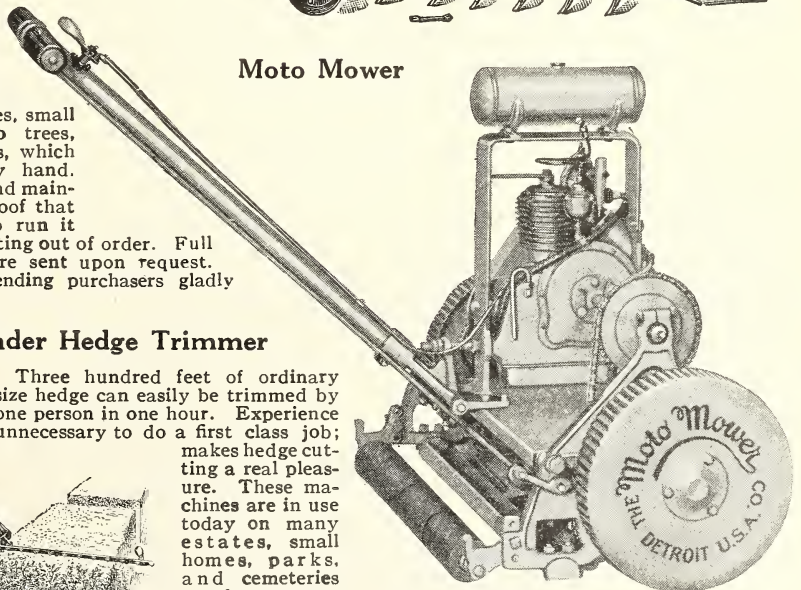
No. 35 Planet Jr. Seeder Attachment



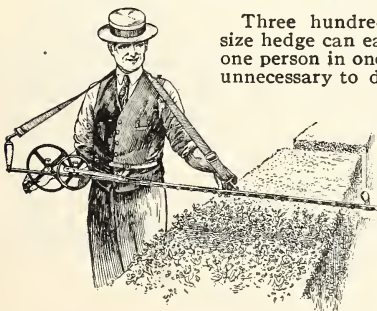
Moto Mower

This motor mower is simple, compact, easy to run up and down terraces, small enough to cut close to trees, hedges and flower beds, which eliminates trimming by hand. Economical in gasoline and maintenance and so fool proof that you can trust anyone to run it without danger of its getting out of order. Full description and literature sent upon request. Demonstration to intending purchasers gladly given. Price \$285.00.

Moto Mower



Little Wonder Hedge Trimmer



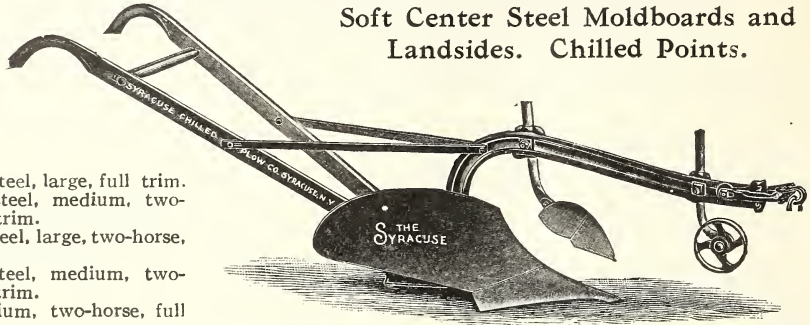
Three hundred feet of ordinary size hedge can easily be trimmed by one person in one hour. Experience unnecessary to do a first class job; makes hedge cutting a real pleasure. These machines are in use today on many estates, small homes, parks, and cemeteries to whom we can refer you.

Price, 30-in., one-man, \$25.00; 40-in., one or two men, \$27.50; 60-in., two men, \$35.00.

SYRACUSE STEEL-BEAM PLOWS

Superior turning qualities. Will turn a furrow smoothly up or down on sloping land. Workmanship and material of the very best grade and quality obtainable.

Soft Center Steel Moldboards and Landsides. Chilled Points.



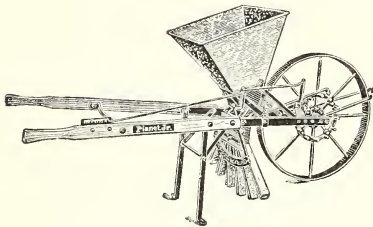
- No. 31. Soft-center steel, large, full trim.
- No. 32. Soft-center steel, medium, two-horse, full trim.
- No. 61. Soft-center steel, large, two-horse, full trim.
- No. 62. Soft-center steel, medium, two-horse, full trim.
- No. 402. Chilled, medium, two-horse, full trim.
- No. 403. Chilled, light, two-horse, full trim.
- No. 1455. Soft-center steel, medium, one-horse, with wheel.

Syracuse Wood-Beam Plows

Full Chilled Moldboards, Sloping Chilled Landsides, Chilled Share

- No. 51L. Chilled, light, one-horse, plain.
- No. 52L. Chilled, medium, one-horse, plain.
- No. 53L. Chilled, one- or two-horse, wheel and jointer.

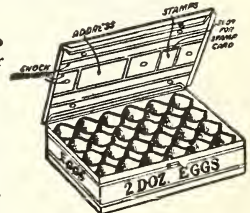
Planet Jr. Fertilizer Distributor No. 220



The No. 220 will distribute fertilizer in the middle of three rows 12 to 14 inches apart; it will side-dress one side each of two rows up to 36 inches apart (one complete row, and corn in wider rows). You can use it in very narrow rows—as close as 9 inches. You can use it in 42- to 48-inch rows by closing off the flow in three spouts and distributing through the other three—either on the right or left hand side.

The No. 220 will distribute 100 to 2000 pounds of commercial fertilizer to the acre.

Price, \$25.65.



Parcel Post Metal Egg Crates

The aluminized metal egg crate has proven itself; thousands in use; a sure safe, practical method for sending eggs *parcel post*.

- 2 dozen size.....\$1.70
- 3 dozen size.....1.95
- 4 dozen size.....2.10



Much Cheaper Than Glass

Glass Cloth is a strong fabric treated by a patented process to make it transparent, weatherproof and waterproof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It admits abundant light which it diffuses and scatters to all parts of the enclosure. It comes in rolls 36 inches wide and any length.

The popularity of **Glass Cloth** has been sensational. Samples and descriptive booklet furnished free on request.

HUNDREDS OF USES

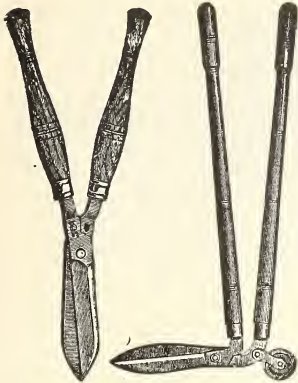
Glass Cloth is ideal for such things as windows of poultry and hog houses and barns, for scratch sheds, brooder houses, hotbeds, coldframes, storm windows and doors. Winter enclosures for porches and sleeping porches, etc. Used in new buildings saves expense of glass and costly sash. Cheap and handy for repairs.

GLASS CLOTH

(PATENTED)

Hallock Spring-Tooth Anti-Clog Weeder and Cultivator, Acme Pulverizing Harrow, Clod Crusher and Leveler, Prout Horse Hoes, Stone Boat Heads, Yankee Horse Rakes, Meeker Smoothing Harrows, McWhorter Fertilizer Distributor, Manure Forks, Hay Forks. Thompson's Wheelbarrow Seed Sower.

All implements lowest market price, and we cordially invite inquiries.



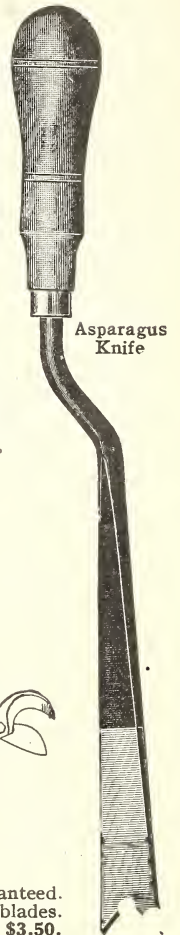
Hedge Shears Border Shears

Border, Lawn and Hedge Shears

6-in. Hedge Shears.....	\$1.50
8-in. Hedge Shears.....	2.00
9-in. Hedge Shears.....	2.25
10-in. Hedge Shears.....	2.40
8-in. Border Shears, with wheel.....	4.25
9-in. Border Shears, with wheel.....	4.50
10-in. Border Shears, with wheel.....	4.75
8-in. Border Shears, without wheel.....	3.75
9-in. Border Shears, without wheel.....	4.00
10-in. Border Shears, without wheel.....	4.25
9-in. Lawn Shears, with wheel.....	4.65
9-in. Lawn Shears, without wheel.....	4.00



Grass Shears



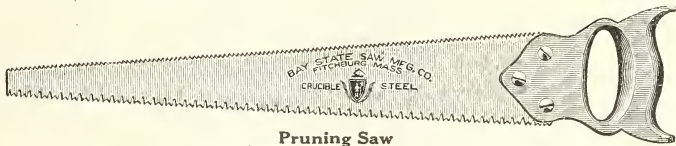
Asparagus Knife

Pruning Shears

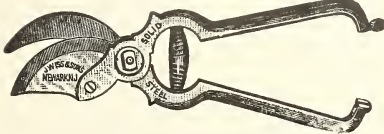
Connecticut Pattern, flat spring, 9-in. French, solid steel (imported). 7-in., 8-in., 9-in.
 California Pattern, coil spring, 9-in. Wiss, solid steel, 9-in.
 California Pattern, flat spring, 9-in.



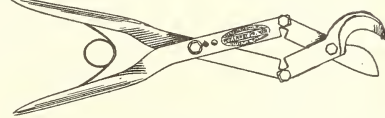
Tree Pruner



Pruning Saw



Pruning Shears



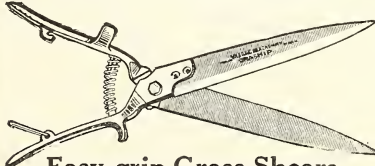
"McKenny" Tree Pruner

The "McKenny" Tree Pruners

Pruning made a pleasure by using McKenny Tree Pruners. Guaranteed. No. 0 is a one-hand pruner having compound leverage and two cutting blades. Cuts limbs 5/8-in., and used to advantage in thick shrubbery. Price \$3.50. No. 1 cuts limbs 1-in. in diameter; easy and perfect. Price \$4.00. No. 2 cuts limbs 1 1/2-in. in diameter, easy and perfect. Price \$5.50.

Pole Tree Pruners

6 ft...\$1.65 8 ft...\$1.75 10 ft...\$1.85 12 ft...\$2.00



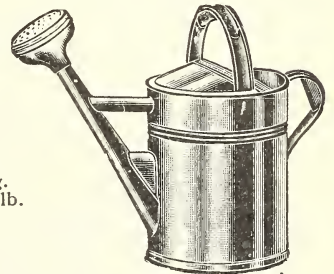
Easy-grip Grass Shears

Grafting Wax

1/4-lb. pkg. 15 cts.; 1/2-lb. pkg. 25 cts.; 1-lb. pkg. 45 cts.

Watering Pots Heavy Galvanized Iron

6-qt. \$1.25, 8-qt. \$1.65, 10-qt. \$1.80, 12-qt. \$2.25, 16-qt. \$2.50.

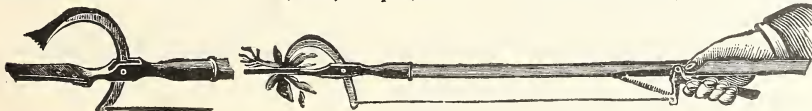


Watering Pot

Raffia
 For tying.
 30 cts. per lb.

Asparagus Knife and Weed Digger

Drop-forged blade, birch handle. Each 40 cts.



Cleveland Weed and Dandelion Puller

Flower Scissors
Budding Knives



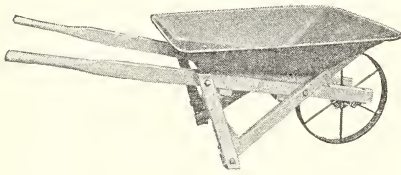
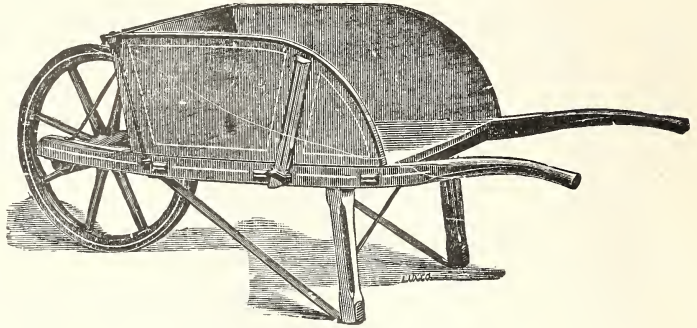
Olmstead Mole Trap, \$2.00

**"Charter Oak"
Wheelbarrows**

Made of selected thoroughly seasoned timber, well put together, braced and bolted. Full sized iron-hub wheels on steel axles, all nicely painted green.

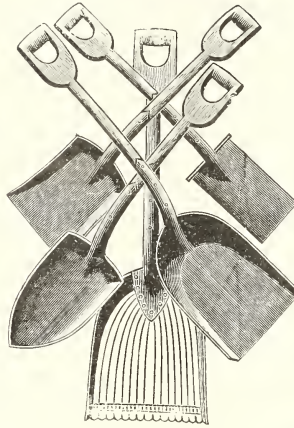
Net cash prices:

- No. 64. Medium..... \$7.85
- No. 65. Medium..... 8.35



**Railroad or Canal
Wheelbarrows**

Full bolted, steel wheel and steel tray
Price, \$6.25



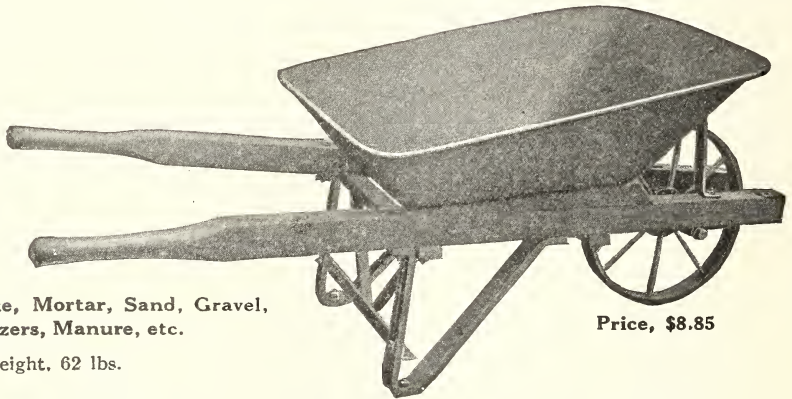
Steel Goods

Our department in this line embraces a larger variety than shown in this catalogue and you can depend on quality as well as reasonable prices. We invite your inquiries.

**Steel Tray
Barrows**

For Conveying Concrete, Mortar, Sand, Gravel,
Cement, Fertilizers, Manure, etc.

Capacity, 3½ cu. ft. Weight, 62 lbs.



Price, \$8.85

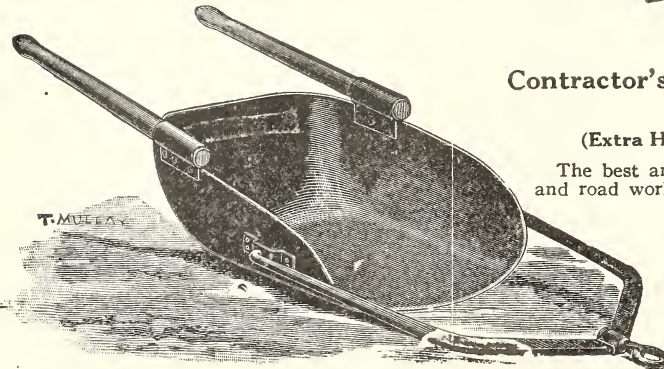
**Contractor's Special Solid Steel Drag
Scraper**

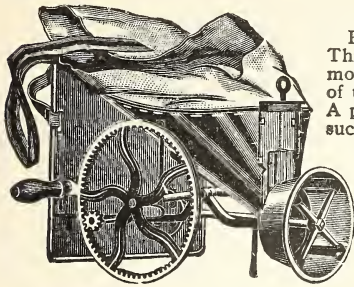
(Extra Heavy, with Steel Runners)

The best and most durable scraper for contractors and road work.

- No. 1, capacity 7 cu. ft..... \$11.00
- No. 2, capacity 5 cu. ft..... 10.00
- No. 3, capacity 3 cu. ft..... 9.50

WHEEL SCRAPERS. Prices and catalogue upon application.



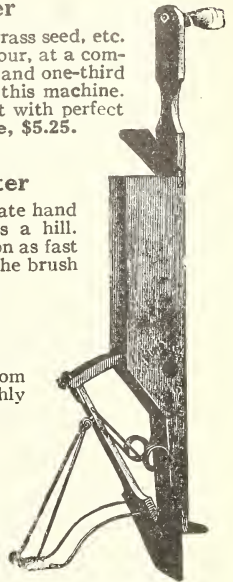


Cahoon's Broadcast Seed Sower

For sowing Wheat, Oats, Barley, Rye, Buckwheat, grass seed, etc. This hand machine sows from four to eight acres per hour, at a common walking gait. A saving of four-fifths of the labor, and one-third of the seed used in hand sowing, is effected by using this machine. A person entirely unused to sowing by hand can use it with perfect success. Warranted to give perfect satisfaction. Price, \$5.25.

One-hand Corn and Bean Planter

The lightest, strongest, most accurate, up-to-date hand planter made. Never cracks a kernel or skips a hill. Plants with one hand and with the utmost precision as fast as a man can walk. All working parts steel. The brush genuine Chinese bristles. Price, \$2.25.



Corn and Bean Planter

Rubber Bucket Chain Pumps

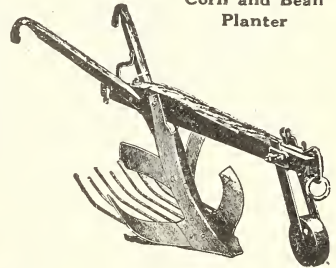
These have the good features of always drawing water from the bottom of the well, fresh and cool. They are thoroughly ventilated and will not freeze in the coldest weather.

- Victor Curb, complete.....\$5.75
- Wood Tubing, per ft......20
- Galvanized Chain, per ft......10
- Special Rubber Buckets, each......15
- Shoe or Collar for lower end of tubing......20



Success Jr. Digger

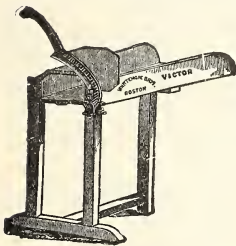
While extremely simple in construction this plow does remarkably clean work in a Potato field. With the exception of the beam and handles the Junior Digger is made entirely of high quality steel. It weighs but 75 lbs. Light of draft, easy to operate, a sure labor-saver on small Potato crops. An implement of value to both the small cultivator and the man who grows on a large scale. Price, \$16.00.



WOOD DRY MEASURES

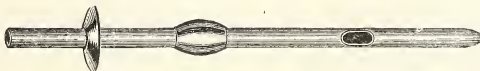
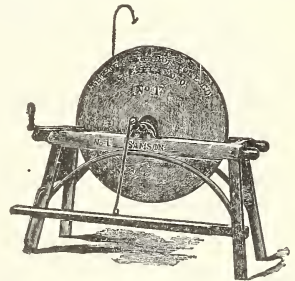
Victor Lever Feed Cutter

- No. 1. Regular size, straight knife.....\$6.75
- No. 2. Regular size, hawk-bill knife......7.25
- No. 2½. Medium large, hawk-bill knife......7.75
- No. 3. Large size, hawk-bill knife......9.75



Mounted Grindstones

- No. 1, about 30-in. diameter.....\$10.65
- No. 2, 24-in......10.00
- No. 3, 20-in......9.25



MILKING TUBES



NEVERSLIP WIRE STRETCHERS, \$2.00

The Warriner Patent Chain-Hanging Cattle Stanchion

The Most Practical Cattle Fastener Ever Invented

Simple in construction, made of thoroughly seasoned hardwood and securely bolted together.

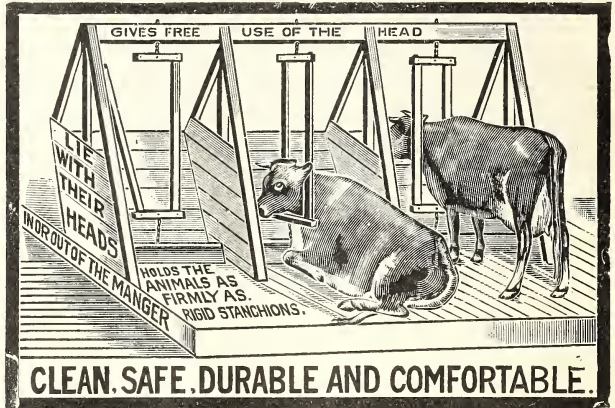
Do not fail to examine them. They have no equal either in ease or convenience. Get our booklet with full information and directions for applying.

Cow sizes, special bolted.....\$2.50
 Bull, extra heavy, adjustable, 8½ to 11 in..... 3.75

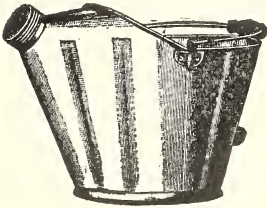
Special prices in quantities.

Parchment Butter Paper

"16 oz." Printed on Each Sheet
 11 in. by 8 in., 50c. per lb.



Heavily Polished Block Tin Milk Pails



with Detachable Strainer

Price, 12-qt. size.\$3.00

New England Strainer Milk Pails

Price, 12-qt. size.\$3.00

Special Sanitary Heavy Dairy Pails

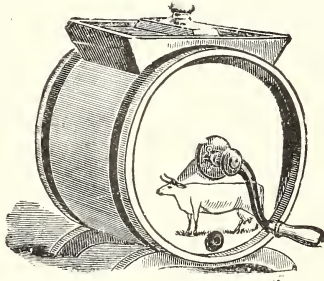
Prices:

12-qt. size.....\$1.35
 14-qt. size..... 1.45
 16-qt. size..... 1.60

Varnished Cylinder Churn

Designed for those having a small dairy

No. 0, net price...\$4.00
 No. 1, net price... 4.50
 No. 2, net price... 5.25
 No. 3, net price... 6.00



Jug Handle Milk Cans

Providence Pattern

4-qt. size.....\$2.00
 5-qt. size..... 2.00
 8-qt. size..... 2.35
 10-qt. size..... 3.25

Milk or Cream Bottles

½ pt., doz. 75 cts.; pt. doz. 80 cts.; qt., doz. \$1.00

Prices by the gross on application. Bottles with name plate a specialty

Milk Bottle Brushes.....\$1.00

Milk Bottle Caps. Best waxed Nos. 1 or 2, per 1000; boxes of 5000.

Milk Bottle Carriers. 6 bottles, flat steel strips, securely riveted and tinned.....\$1.85

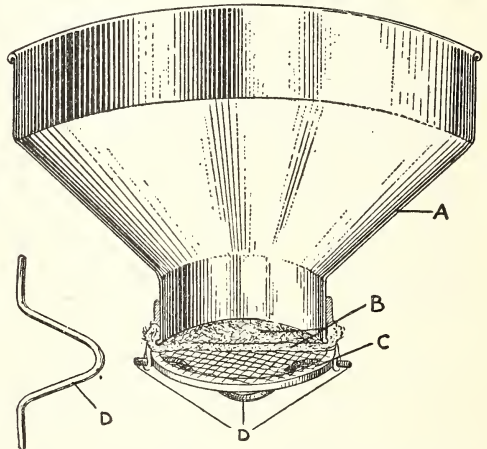
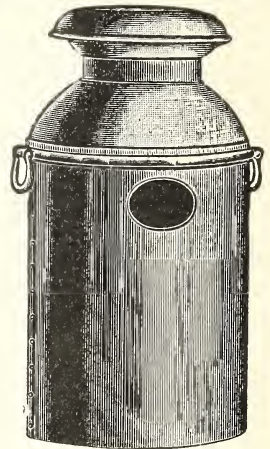


Railroad Milk Cans

New York Pattern

Made of heavily tinned steel, reinforced breasts and bottoms, soldered inside and out, heavy drop handles.

20-qt. size.....\$4.25
 30-qt. size.....\$5.35
 40-qt. size.....\$5.75



Dr. Clarke's Purity Milk Strainer

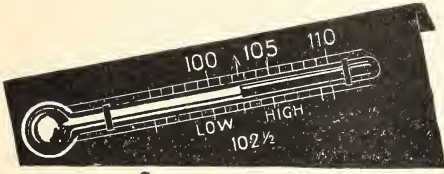
Used with "Purity" brand cotton pads will remove every last bit of sediment. Price, \$3.00.

Graylawn Farm Louse Chase.....50c.-\$1.00

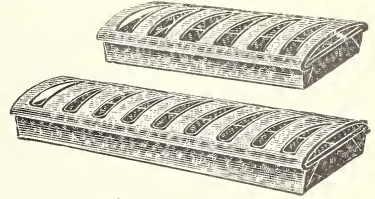
Graylawn Farm Fly Killer.....gal.-\$1.50

Kow-Kare......65c.-\$1.25

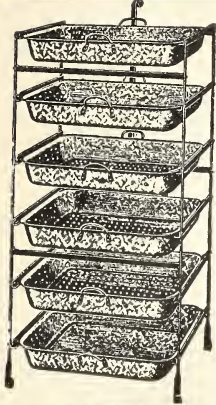
O. H. Cow's Relief.....50c.-\$1.00



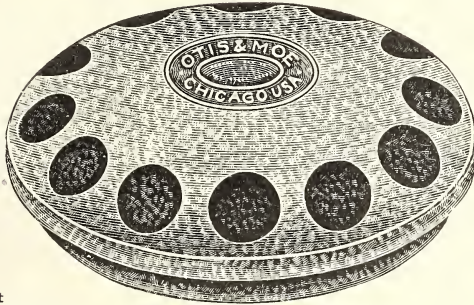
Incubator and Dairy Thermometers



Baby Chick Feeders



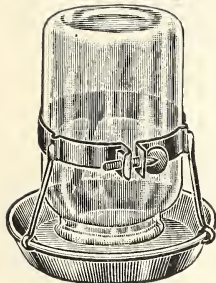
Oat Sprouter



12-hole Chick Feeder



Caponizing Set



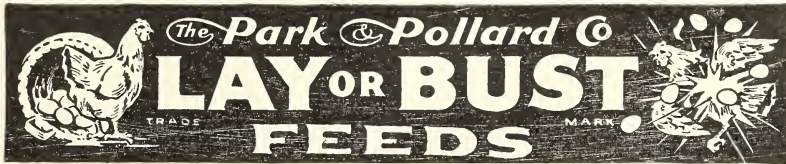
Handy Attachment

Felker's Handy Attachment

To Be Used with Any Make of Fruit Jar

A PERFECT FEEDER FOR SOUR MILK, WATER, HARD GRAIN, or GRIT

The container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corroding. The Handy is adjustable, simple to operate and durable. Every one has some kind of a quart fruit jar—the Handy fits them all.



There is no question that by using our LAY or BUST feed in connection with most any SCRATCH FEED you will obtain better results than you have ever gained before, BUT if you wish to obtain the VERY HIGHEST EGG YIELDS and maintain your flock in the HIGHEST STATE OF HEALTH, by all means FEED BOTH LAY or BUST AND OUR OVER THE TOP SCRATCH FEED.



Champion Leg Bands

Made of aluminum in two sizes. Adjustable to fit any fowl. Can't lose off. Price, postpaid, 25 for 25 cts., 100 for 60 cts.



Perfecto Celluloid Spiral Leg Bands

Ten colors that will not fade: Amber, black, light blue, dark blue, green, pink, red, ruby, white, yellow. Birds cannot lose them or remove them; will last a lifetime.

Poultry Sizes, 12 for 15 cts., 25 for 30 cts., 50 for 50 cts., 100 for 85 cts.

Pigeon and Chick Sizes, 12 for 15 cts., 25 for 25 cts., 50 for 40 cts., 100 for 75 cts.

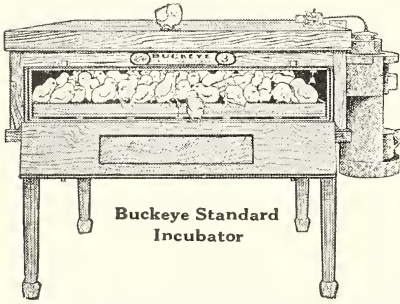
When ordering please state BREED OF POULTRY.

Pratt's

Baby Chick Food with Buttermilk, Gape Remedy, Poultry Regulator, White Diarrhoea Remedy, Powdered Lice Killer, Head Lice Ointment, Pratt's Poultry Disinfectant and Liquid Lice Killer.

BUCKEYE

"The Best Incubator Made"



Buckeye Standard Incubator

Absolutely guaranteed to hatch more chicks and stronger chicks than any other system.

You simply follow instructions and get a chick from every hatchable egg that you put in the machine.

Each **Buckeye** incubator has a hot-water tank suspended above the eggs. This tank is attached to a boiler on the outside of the case, in which the water is heated by the lamp. Two tubes connect the tank and boiler, one of which carries the heated water from the boiler to the tank and the other carries the water back to the boiler to be heated again.

The arrangement of this heating system is such that the hot water is constantly circulating through the tank, thereby maintaining an absolutely uniform temperature at every point in the egg tray.

That temperature must be kept at approximately 103 degrees all the time.

You won't believe how easy it is until you see it done—the **Buckeye** way.

The patented thermostat placed in every **Buckeye** Incubator will automatically regulate the temperature to a degree.

You set this regulator at 103 degrees when the incubator is started; and for twenty-one days the temperature never changes more than a degree either way.

Prices:

No. 1. Standard, capacity 120 eggs.....	\$37.50	No. 14 (Style E). 65 eggs.....	\$16.50
No. 2. Standard, capacity 175 eggs.....	44.50	No. 16 (Style E). 110 eggs.....	27.50
No. 3. Standard, capacity 250 eggs.....	57.75	No. 17 (Style E). 210 eggs.....	36.75
No. 4. Standard, capacity 350 eggs.....	68.00		

The Standard Colony Brooder

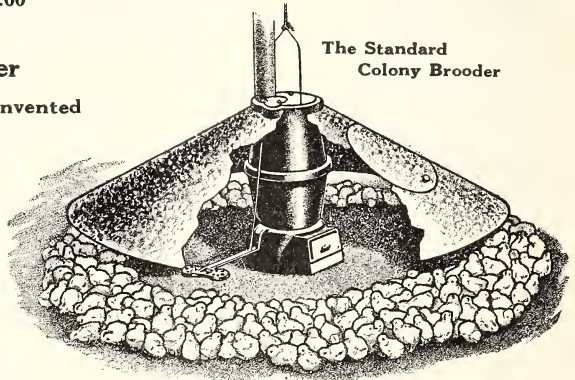
The Greatest Coal-Burning Brooder Ever Invented

Grows Three Chicks Where One Grew Before

Self-Feeding Everlasting
Self-Regulating

Heavy, cast-iron stove that requires coaling but once every 24 hours in any temperature.

No. 117. Capacity up to 350 chicks.....	\$16.50
No. 118. Capacity up to 500 chicks.....	21.50
No. 119. Capacity up to 1000 chicks.....	26.50



The Standard Colony Brooder

Buckeye Electric Brooders

The Buckeye electric brooder is the most advanced brooder of this type. It is simple, dependable, economical and practical. It provides an abundance of heat with a surprisingly small amount of current.

Amazing Automatic Current Control

The Buckeye switch automatically turns the current on and off, according to the temperature under the hover. The contact points won't stick. They won't burn out.

Dependable Heating Element

The Buckeye electric heating unit is the most dependable ever devised. It assures a steady, dependable supply of heat. It is doubly insulated, and enclosed in a metal sheath. That makes it practically indestructible. It gives a lifetime of carefree service.

Simple and Economical to Operate

If you have current of from 100 to 125 A. C., if you are brooding flocks of from 50 to 300 baby chicks, if you want an absolutely reliable, dependable electrically heated brooder, then you'll want the Buckeye electric brooder.

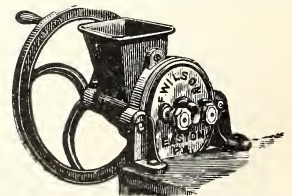
No. 90—Capacity, 50 chicks..	\$14.50	No. 92—Capacity, 200 chicks..	\$24.75
No. 91—Capacity, 100 chicks..	19.75	No. 93—Capacity, 300 chicks..	29.50



Wilson's Patent Grinding Mills

The No. 1 Hand Bone, Shell and Corn Mill for the Poultryman

This mill will grind dry bones, shells, all kinds of grain, gravel, stones, old crockery, etc. It is also a splendid machine for the householder, for grinding stale bread, cracker dust, roots, barks, spices, etc. **Price, \$7.50.**



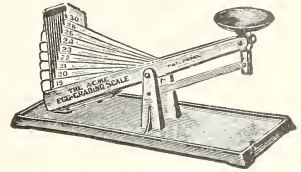
Buckeye "Rite-Heat" Colony Brooders

- No. 101—Capacity, 500 chicks.....\$26.50
- No. 102—Capacity, 1000 chicks..... 31.50

Buckeye Blue Flame Colony Brooders

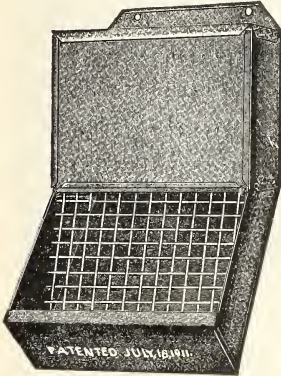
(Equipped with Giant Burner)

- No. 27A—Capacity, 200 chicks.....\$17.50
- No. 28A—Capacity, 350 chicks..... 20.00
- No. 29A—Capacity, 500 chicks..... 22.50



The Acme Egg-Grading Scale

Price \$3.90



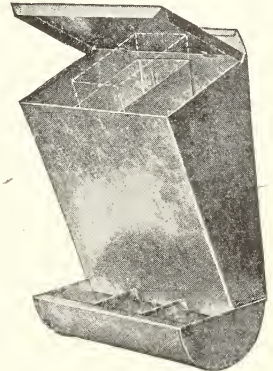
Sexton's Dry Feed Hopper



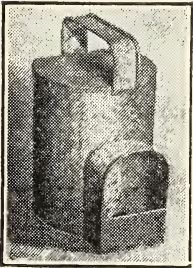
Keeps WATER WARM in Winter

Keeps WATER COOL in Summer

Original and Only Genuine "DUPLEX"



Shell and Grit Box



Wall Fount

The "Insulated Duplex" is unquestionably a big step forward in the development of poultry drinking fountains. It is sanitary, easy of access, non-freezing. Its construction makes it as handy to clean as a common pail. The top or inside container slides into the bottom section or base, and can be removed without inconvenience at a moment's notice. The water is kept pure and clear at all times.

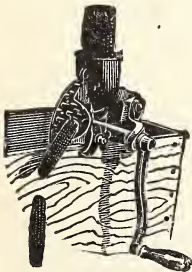
The extra large opening, or drinking trough, which this fountain carries makes it easy of access to a number of fowls at the same time.

An entirely new and improved method of insulation enables this fountain to keep water at an even temperature the coldest day of Winter and the hottest day of Summer. It will not freeze.

Plenty of pure water means contented poultry and more eggs. The "Insulated Duplex" non-freezing fountain supplies pure water continuously. Sizes, 3- and 4-gals.

Red Chief Corn Sheller

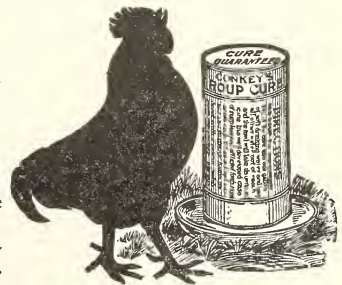
Guaranteed to do as good if not better work than any sheller on the market. Clamps on barrel, bucket, keg, or tub as easily as on box. Price, \$3.25.



Conkey's Remedies

Including Poultry Laxative, Roup, Worm, White Diarrhoea.

Dr. Hess Poultry Pan-a-cea helps to keep poultry healthy and to make the hens lay. Guaranteed.



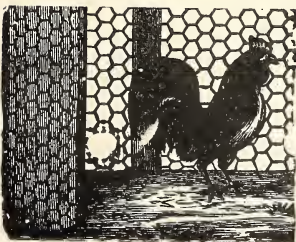
Galvanized Poultry Netting

Made with three-strand rope selvages and galvanized after being twisted. Full bales 150 feet long, or cut in lengths to suit.

2-inch mesh, in widths, 12-, 18-, 24-, 30-, 36-, 48-, 60- and 72-inch.

1-inch mesh, in widths, 12-, 18-, 24-, 30-, 36- and 48-inch.

3/4-inch Galvanized Netting Staples, about 500 to the pound. Lowest market prices.





FERTILIZERS We can quote special prices on carload quantities

Sheep's Head Brand Pulverized Sheep-Manure

This is a pure, natural manure, the best and strongest in fertilizing and enriching elements of all nature's fertilizers, containing nitrogen, phosphoric acid and potash in liberal proportions. As a top-dressing for lawns, tennis-courts and golf-greens it has no equal; further, there is nothing better for the flower and vegetable garden. It can be applied at any time of the year without injury to the plant or foliage. Its effect is immediate, much more lasting and healthy than commercial fertilizers, or any other manure. For mixing with soil, use one part manure to six parts soil; for making a liquid, use one pound manure to five gallons of water; this can be used with safety daily, if necessary. For top-dressing grass use about 200 pounds for 25 square rods (equal to a plot 100 by 65 feet). 5 lbs. 40 cts., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.25, 500 lbs. or more, special prices on application.

Fine Ground, Strictly Pure Bone—Not Odorless

Pure bone is a most valuable fertilizer for all crops and plants. It can be applied at any time in any quantity desired without danger of doing harm to plant life. As it is not soluble in water and comes into use only by organic decay it is much slower in action than the chemical fertilizers, but retains the effects in the soil correspondingly longer. Use for lawns and grass plots about three pounds to each square rod, or fifty pounds for 100 feet by 50 feet. 25 lbs. \$1.55, 50 lbs. \$2.65, 100 lbs. \$4.45.

Fine Ground Knuckle Bone. Absolutely Odorless

The grade we handle is strictly pure, ground from the knuckle bones, free from meat and marrow, therefore as odorless as flour. Use for lawns and grass plots about three pounds to each square rod, or fifty pounds for 100 feet by 50 feet. 5 lbs. 65 cts., 10 lbs. \$1.00, 25 lbs. \$1.75, 50 lbs. \$3.00, 100 lbs. \$5.25.

Corn, Grain and Grass Top-Dressing

This superior dressing acts gradually throughout the entire season, producing a luxuriant growth of grass of a rich, velvety-green color. It is far superior to lumpy, strawy manure which, by its unsightly appearance, disfigures the lawn, and always contains weeds and other undesirable seeds. It is easily applied at any time during the Spring, Summer or Autumn, or as often as the grass seems to need nourishment. Great care should be taken to distribute it evenly, and never when the grass is wet with dew or rain; the best time is just before a shower. Use 400 to 500 pounds to the acre. This fertilizer also gives excellent results for seeding to grass; use 400 to 500 pounds to the acre at the time of seeding. The next year it should be top-dressed in the Spring with about the same quantity to the acre, in order to get the best results. Use for top-dressing lawns three pounds to each square rod or fifty pounds for a plot 100 by 50 feet. 5 lbs. 40 cts., 25 lbs. \$1.40, 50 lbs. \$2.30, 100 lbs. \$4.00.

High-Grade Vegetable Compound

This is a complete manure, particularly adapted for the requirements of the market gardeners, also for use in the kitchen garden. It contains well-judged proportions of ammonia, phosphoric acid and potash. Magnificent yields of Potatoes and vegetables have been produced with this compound. 5 lbs. 35 cts., 25 lbs. \$1.30, 50 lbs. \$2.15, 100 lbs. \$3.70.

Hydrated Agricultural Lime

Much used as a corrective for improper soil conditions, especially as a neutralizer for acid soils. Most vegetables are benefited by using lime. Apply at the rate of 15 lbs. to each square rod. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. 65 cts., 50 lbs. \$1.00, 100 lbs. \$2.00.

SALT. For agricultural purposes and Asparagus beds, apply 600 to 800 lbs. to the acre. 50 lbs. \$1.00, 100 lbs. \$1.50.



Imported Granulated PEAT MOSS TORF MULL

Imported Granulated Peat Moss supplies the humus the soil needs and should be used liberally about the garden, greenhouse for pot plants, window boxes and growing bulbs, etc. It is excellent for clayey soils, light or sandy soils, gravelly soils, beds, hotbeds, cold-frames, greenhouse benches, in potting soil and as a Winter protection for lawns. Also as a mulch on Strawberry beds, perennial beds, for Lilies, Roses, Vines, Bush Fruits, Rhododendrons, Azaleas, Kalmias, Ferns, etc. Excellent as a top dressing for all evergreens.

We invite inquiry booklet and information upon request. Large bale (13 cubic feet and covers 240 square feet 1 inch deep) **\$4.65**; small bale, trial size **\$1.50**.

FLORANID

Contains 46% Water-Soluble Nitrogen

Highly concentrated organic fertilizer for vegetables, flowers, berries, shrubs, lawns, ornamental fruit trees. Floranid is a powerful plant builder and plant food. Vegetables and fruits will be more abundant and of a better size, color and flavor, and flowers richer in color, larger, more prolific and fragrant.

Free descriptive booklet upon request. Lb. **50 cts.**, 5 lbs. **\$1.50**, 10 lbs. **\$2.50**, 25 lbs. **\$5.00**.

ADCO

Turn Garden Refuse Into Manure

Adco is a powder which when mixed with almost any non-woody vegetable waste and kept moist, gradually converts the mass into real manure free from foul odor, flies, weed seeds, etc.

In 150-lb. bags, each **\$10.50** (enough for a heap 10 ft. x 10 ft. x 6 ft. making about 3 tons of manure).

In 25-lb. bags, each **\$2.00** (enough for 12 wheelbarrow loads of garden waste, making $\frac{1}{2}$ ton of manure).

AMMO-PHOS 20-20

Supplies nitrogen and phosphorus acid for lawns and vegetables. Discourages weeds and Dandelions in lawns and encourages grass growth.

5 lbs. **60 cts.**, 10 lbs. **\$1.00**, 25 lbs. **\$2.00**, 50 lbs. **\$3.50**, 100 lbs. **\$6.00**.

NITRATE OF SODA

A stimulant to all plants. Use it with care, $1\frac{1}{2}$ oz. per square yard, as a liquid fertilizer, 1 oz. dissolved in 1 gallon of water.

5 lbs. **50 cts.**, 10 lbs. **85 cts.**, 25 lbs. **\$1.75**, 50 lbs. **\$3.15**.

AMMONIUM SULPHATE

Use where weedless lawns are desired. Applied at the rate of 1 oz. per square yard or 350 lbs. per acre mixed with several times its bulk of soil, sand, or peat moss.

5 lbs. **50 cts.**, 10 lbs. **85 cts.**, 25 lbs. **\$1.75**, 50 lbs. **\$3.15**.

SMITH'S MUM-MANURE

A perfect food for 'Mums and other flowers, either under glass or in the garden.

An excellent top dressing for Carnations and Roses.

As a top dressing, it should be applied after plants have been potted up or put in the benches, $\frac{1}{2}$ lb. to the square yard; it can also be used with excellent results as a liquid manure, 1 oz. to a gallon of water.

Smith's Mum Manure goes farther per pound and gives results superior to imported manures which cost more. Not on Chrysanthemums only, but also for Roses, Carnations, Sweet Peas, Cinerarias, Primulas, Stocks, and other greenhouse plants

50-lb. bag, **\$5.50**; **\$10.00** per 100-lb. bag.

Special prices on large quantities.



STIM-U-PLANT

Plant Food in Tablet Form

A modern, efficient method of fertilizing growing plants. Tablets contain highly concentrated, immediately available forms of plant food for use in stimulating all fruit, flower, vegetable and ornamental plants.

Complete directions enclosed in each package. 25 tablets **25 cts.**, 100 tablets **75 cts.**



Springfield Rose Food

An organic fertilizer, containing the vital elements of plant life in scientifically correct proportions to make it an ideal food for Roses. Will keep your bushes in splendid condition and produce an abundant crop of perfect blooms. Enthusiastically acclaimed by leading commercial growers and by members of the American Rose Society in all sections of the country. 10 lbs. **\$1.00**, 25 lbs. **\$2.00**, 100 lbs. **\$5.00**.

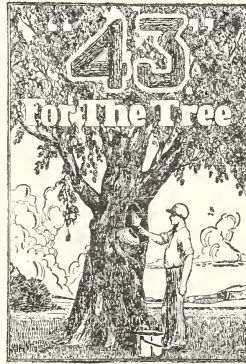


The disinfectant that paints. Use it instead of white-wash. Put on with a brush or sprayer. A snow-white, cold water paint that will not blister, flake, or peel off, combined with a germicide twenty times stronger than carbolic acid but neither caustic nor poisonous. Particularly good for use in stables, cow barns, chicken coops, dairies, hog pens, creameries, cellars, factories, and outbuildings.

One gallon will cover approximately 250 square feet of surface. 5 lbs. (5 gallons) **75 cts.**, 10 lbs. (10 gallons) for **\$1.25**, 25 lbs. (25 gallons) for **\$2.75**, 50 lbs. (50 gallons) for **\$5.00**.

USE

Protects Wounds
Kills
Insects and Germs
Prevents
Rot and Decay
Waterproof
Sticks to Surface
Remains Plastic
Will Not Crack
Crumble or Shrink

**DIRECTIONS**

Cut away all decay and rot, dig out worm holes or ants, clean thoroughly and fill cavity with "43" to base of bark.

Be sure entire wound is covered.

Cover all surfaces where bark is broken or where limbs have been sawed off. Treat as you would a wound on a person.

Why Let a Tree Die?

When in a few moments you can repair a tree that has been damaged, make possible the healing of a wound, keep out disease, and thus keep your trees in a healthy, beautiful condition.

"43" is a prepared compound that makes easy the problem of tree surgery for anybody.

It is a plastic material ready for use and every ingredient in it is beneficial to the tree.

It is light in weight so that it will not sag or pull away from treated crack, break or wound.

It contains those acids that destroy fungi and insects, but non-injurious to the tree.

The medicinal oils are penetrating and find their way into every part of the cut or wound.

It is absolutely waterproof so that it will keep out moisture and prevent rot.

It contains only the materials which are proven products in the field of tree surgery.

It sets quickly.

It remains plastic or pliable and this permits nature to heal the wound, forms callus, just like a wound heals on a human being.

It permits the natural growth of the tree.

"43" WILL SAVE YOUR TREES

	Each		Each
1-lb. cans.....	\$0.65	10-lb. cans.....	\$5.75
2½-lb. cans.....	1.55	50-lb. cans.....	23.00
5-lb. cans.....	2.95	100-lb. cans.....	38.00

DE LA MARE GARDEN BOOKS

are favored by the amateur gardener because of their practical text and clear printing, their teaching and carefully selected illustrations, and their stout, durable bindings. The reader at once notes all these good points, but it is the direct information, plain and concise, the confidence of expert knowledge—in fact, the feeling of dependability which their pages reveal—that wins the stamp of approval.

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USEFUL TABLES—Quantity of Seed Usually Sown per Acre

Barley, broadcast..... 2 to 3 bus. Beans, dwarf, in drills..... 1½ bus. Beans, pole, in hills..... 20 to 30 qts. Beets, in drills..... 5 to 8 lbs. Buckwheat..... 1 bus. Cabbage, in beds to transplant..... .6 oz. Carrot, in drills..... 3 to 4 lbs. Clover, red, alone..... 15 to 20 lbs. Clover, white, alone..... 12 to 15 lbs. Clover, Alsike, alone..... 8 to 10 lbs. Clover, Lucerne, or Alfalfa..... .20 lbs. Corn, in hills..... 8 to 10 qts. Corn, for soiling..... 3 bus. Cucumber, in hills..... .2 lbs. Grass, Kentucky Blue..... 30 lbs. Grass, Orchard..... 3 bus. Grass, English Rye..... 2 bus. Grass, Fowl Meadow..... 1 qt. to 2 bus. Grass, Red Top, in chaff..... 3 bus. Grass, Red Top, ex-cleaned..... 10 to 12 lbs. Grass, Timothy..... ½ bus. Grass, Hungarian..... 1 bus. Grass, Mixed lawn..... 4 bus.	Grass—Sudan..... 25 lbs. Melon, Musk, in hills..... 2 to 3 lbs. Melon, Water, in hills..... 4 to 5 lbs. Millet, Common, broadcast..... 1 bus. Oats, broadcast..... 2 to 3 bus. Onion, in drills..... 4 to 5 lbs. Onion, for sets, in drills..... 30 lbs. Onion Sets, in drills..... 6 to 12 bus. Parsnips, in drills..... 5 to 6 lbs. Peas in drills..... 1½ bus. Peas, broadcast..... 3 bus. Potato (cut tubers)..... 12 to 15 bus. Pumpkin, in hills..... 4 to 6 lbs. Radish, in drills..... 8 to 10 lbs. Rye, broadcast..... 1 to 1½ bus. Spinach, in drills..... 8 to 12 lbs. Squash, bush varieties..... 4 to 6 lbs. Squash, running varieties..... 4 to 6 lbs. Tomato, to transplant..... ¼ lb. Turnip, in drills..... 1 lb. Turnip, broadcast..... 1 lb. Wheat, broadcast..... 2 bus.
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Seed Required for a Given Number of Plants, Number of Hills, or Length of Drills

Asparagus..... 1 oz. to 40 ft. of drill Beet..... 1 oz. to 50 ft. of drill Beans, Dwarf..... 1 qt. to 100 ft. of drill Beans, Pole..... 1 qt. to 100 hills Carrot..... 1 oz. to 100 ft. of drill Cabbage..... 1 oz. to 2,000 plants Cauliflower..... 1 oz. to 2,000 plants Celery..... 1 oz. to 4,000 plants Corn..... 1 qt. to 200 hills Dandelion..... 1 oz. to 100 ft. of drill Egg Plant..... 1 oz. to 1,000 plants Lettuce..... 1 oz. to 3,000 plants Melon, Water..... 1 oz. to 15 hills Melon, Musk..... 1 oz. to 80 hills	Onion..... 1 oz. to 100 ft. of drill Onion Sets, small..... 1 qt. to 40 ft. of drill Parsley..... 1 oz. to 150 ft. of drill Parsnips..... 1 oz. to 100 ft. of drill Peas..... 1 qt. to 100 ft. of drill Pepper..... 1 oz. to 2,000 plants Pumpkin..... 1 oz. to 15 hills Radish..... 1 oz. to 100 ft. of drill Salsify..... 1 oz. to 100 ft. of drill Spinach..... 1 oz. to 100 ft. of drill Squash, Early..... 1 oz. to 40 hills Squash, Running..... 1 oz. to 10 hills Tomato..... 1 oz. to 1,200 plants Turnip..... 1 oz. to 150 ft. of drill
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Weight of Grass and Field Seeds

	Per bus.		Per bus.
Timothy.....	.45 lbs.	Barley.....	.43 lbs.
Clover, all varieties.....	.60 lbs.	Oats.....	.32 lbs.
Red Top, fancy.....	.36 lbs.	Rye.....	.56 lbs.
Blue Grass.....	.14 lbs.	Wheat.....	.60 lbs.
Blue Grass, fancy.....	.24 lbs.	Beans, White.....	.60 lbs.
Hungarian.....	.48 lbs.	Corn, Field.....	.56 lbs.
Millet.....	.50 lbs.	Peas, Canada Field.....	.60 lbs.
Orchard Grass.....	.14 lbs.	Peas, Green Wrinkled.....	.56 lbs.
Buckwheat.....	.48 lbs.	Onion Sets.....	.32 lbs.

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