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1889

Dreer's
Garden
Calendar

Henry A. Dreer,
714 Chestnut Street Phil

ding
strong
year-old roots

Pa.

DRYER'S ECLIPSE ASPARAGUS
OF 58 STALKS

WEIGHT	35 LBS.
HEIGHT	23 INCHES.
STALKS	CIR. 4½ INCHES.

Novelties and Specialties

FOR 1889.

➤ Dreer's Eclipse Asparagus. ➤

(See Colored Plate.)

BYOND question this is the largest and finest Asparagus ever sent out. Stalks frequently measure two inches in diameter, and, even when twelve to fifteen inches long, are perfectly tender. It is of remarkably rapid growth and remains in good condition several days after being ready for cutting. Of medium green color, excellent flavor and attractive size, it is destined to become a leading market sort and in large demand for private gardens. This season we can offer strong two-year-old roots.

Seed, 15 cts. per pkt.; \$1.00 per lb. Two-year-old roots, \$2.00 per 100; \$12.00 per 1,000.

Dreer's Golden Cluster Wax Pole Bean.

(See Colored Plate, Second Page of Cover.)

Without exception the *best* Pole Bean. It bears profusely its long golden-yellow beans in clusters of three to six from bottom to top of pole, and continues in bearing from the middle of July till the vines are cut by frost. Among private gardeners it is taking the place of the dwarf beans, as it furnishes a supply of string beans through the entire season. In all the points requisite to a good bean this variety excels.

Pkt., 15 cts.; 2 for 25 cts.; pint, 35 cts.; quart, 60 cts.; peck, \$4.50.

Copyright, 1888, By Peter Henderson, & Co.

Henderson's New Bush Lima Bean.

The **New Bush Lima** produces a continuous crop from the time it comes into bearing (it is fit for the table in this latitude by the middle of July) until frost, and being enormously productive, a very small patch will keep a family supplied with this splendid vegetable throughout the season. Twelve packets will plant five rows, each fifty feet long, which is ample for an ordinary family. The beans are of the size of the Sieva or Southern Lima, and of delicious quality.

This is undoubtedly the most valuable vegetable novelty that has been introduced in many years. Those who have been deterred from cultivating the most delicious of vegetables—the Lima Bean—owing to great trouble and expense of procuring the unsightly poles on which to grow them, can plant the **New Bush Lima**, as it grows without the aid of stakes or poles, in compact bush form, from fifteen to eighteen inches high, and produces enormous crops of delicious Lima Beans, which can be as easily gathered as the common bush beans.

The **New Bush Lima** is at least *two weeks earlier* than any of the climbing Limas. This fact alone would stamp it as the most valued novelty of recent years, but when in addition to this we realize that it is a true bush bean, requiring no supports, some idea of its great value can be realized.

Pkt., 25 cts.; 5 pkts., \$1.00. 12 pkts., \$2.00.

WARDWELL'S DWARF KIDNEY WAX BEAN.

Vines of medium size, erect, hardy and productive. Pods long, broad, flat and of a delicate waxy yellow, brittle and entirely stringless. Beans white and a distinct kidney shape. It is very early, of fine buttery flavor, and is destined to become a leading string bean and winter shelled sort. The yield considerably exceeds that of the Golden Wax.

Pkt., 15 cts.; 2 for 25 cts.; quart, 40 cts.; ¼ bush., \$2.50.

LOW'S CHAMPION BUSH BEAN.

Excellent as a Shell Bean for summer or winter. The bushes are very stocky and strong in growth; the pods, four to five inches in length, are of a beautiful light green color when ready for the table, turning white as they mature, but still fleshy and tender. The pods contain from five to seven large beans of a bright red color and of finest flavor, either green or dry.

Pkt., 15 cts.; 2 for 25 cts.; quart, 35 cts.

DATE WAX BEAN.

A very prolific variety, bearing profusely large golden yellow pods. Earlier than Golden Wax. The pods are long, free from strings, and remain in good condition a long time.

Pkt., 10 cts.; quart, 40 cts.; ¼ bush., \$2.50.

PERFECTION WAX BEAN.

An excellent golden podded dwarf Bean. The pods are larger and borne more profusely than the Golden Wax; are stringless, tender and of fine flavor. It is remarkably productive, free from blight and in all respects a desirable sort.

Pkt., 15 cts.; quart, 40 cts.; peck, \$2.25.

CHICAGO PICKLE CUCUMBER.

Cucumber.**CHICAGO PICKLE CUCUMBER.**

A variety largely used by pickle manufacturers in Chicago. It is of medium size, a prolific bearer and combines all the good qualities of an early cucumber.

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

NICHOLS' MEDIUM GREEN.

For early forcing, late sowing for pickling or for ordinary table use, this variety will be found useful. It is of a dark green color, pleasant flavor and very productive.

Pkt., 10 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 65 cts.

DEFIANCE LETTUCE.

DEFIANCE LETTUCE.

The best summer variety. It remains longer in perfection than any other sort, is crisp, tender, of excellent flavor and shows no tendency to run to seed. A variety we can safely recommend.

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

GOLDEN SELF-BLANCHING.

Four Best Varieties of Celery.**GOLDEN SELF-BLANCHING.**

A beautiful and in every way a desirable sort, requiring but little labor to blanch. The heart is a rich golden yellow, with light yellowish green outer leaves. Of dwarf, compact habit, rich nutty flavor and an excellent keeper. One of the very best sorts for table decoration.

Pkt., 15 cts., 2 for 25 cts.; oz., 75 cts.; $\frac{1}{4}$ lb., \$2.50.

WHITE PLUME.

The stalk and portions of the inner leaves and heart are white, so that by tying them up with matting, or simply drawing up the soil against the plant, the work of blanching is completed, thus avoiding the slow and troublesome process of high "banking." It exceeds the other sorts as an ornament, while its qualities are equal to the very best, being crisp, solid, and having that nutty flavor peculiar to some of the red kinds.

Per pkt., 10 cts.; oz., 60 cts.; $\frac{1}{4}$ lb., \$2.00.

NEW ROSE.

In this variety we have a combination of the best qualities of Celery. The red sorts far surpass the white in flavor and possess in their coloring a feature which renders them valuable as a table ornament. This sort should be largely grown, as it is crisp, nutty and of fine color.

Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25.

GOLDEN DWARF.

A variety of great value. In size it is the same as the Half Dwarf White; the heart is large and full, of a golden yellow, except when blanched. It is solid, of excellent flavor and keeps well.

Pkt., 10 cts.; oz., 40 cts.; $\frac{1}{4}$ lb., \$1.25.

GREEN AND GOLD WATER MELON.

GREEN AND GOLD WATER MELON.

A new variety with beautiful golden yellow flesh, free from any tinge of white. The rind is thin and the white $\frac{3}{8}$ to $\frac{1}{2}$ inch in thickness. The flesh is granular in appearance, very juicy, sweet and of delicious flavor. It forms a pretty contrast to the red-fleshed sorts.

Pkt., 15 cts.; 8 for \$1.00; oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.

MILLER CREAM MUSK MELON.

A good variety, bearing large melons oblong in shape. Very thick flesh of a rich salmon color, sweet and of fine flavor. A melon that finds a ready sale in the New York market.

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

SEMINOLE WATER MELON.

A new Water Melon, of which the raiser says it is of large size and delicious flavor. Flesh a vivid crimson color; crisp and sugary. The melons are of two colors—gray and light green, the latter a darker coloring of the former; the gray color greatly predominates. Melons of both colors are found on the same vine and are exactly the same in shape, size, color of seed, flavor and quality.

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

EMERALD GEM MUSK MELON.

EMERALD GEM MUSK MELON.

Too much cannot be said of the quality of this prolific Melon. The vines are strong and well set with fruit which ripens early. The rind is thin, of a green color, and the seed cavity small. Almost the entire fruit consists of rich, luscious flesh of a delicate salmon color.

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

CELESTIAL PEPPER.

CELESTIAL PEPPER.

One of the most remarkable of the productions of the "Flowery Kingdom." The cut gives a good representation of this prolific variety. The pods are borne upright, are conical in shape and vary in color from creamy white when unripe to brilliant scarlet when ready for picking. A very pretty decorative plant.

Pkt., 10 cts.; 3 pkts., 25 cts.; oz., 50 cts.

OKRA.**WHITE CREOLE, OR WHITE VELVET.**

This variety is largely grown in the South and is preferred by many to the green podded sorts, as it is considered to be more tender and of better flavor. The pods are perfectly round, free from ridges, and are soft and velvety to the touch. They are of unusual size and of a creamy white color.

Pkt., 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 50 cts.

CORAL
GEMBOUQUET
PEPPER

Its beautiful little pods of shining red color are so thickly set as to give it the appearance of a bouquet of coral. As a pot plant, besides its great beauty, it serves the housekeeper in a most convenient way when pods are wanted for seasoning. In the open ground the plants grow to a height of from 24 to 30 inches, so densely set with pods as to bend its branches down. So many desirable qualities are combined in this, it will undoubtedly become popular as well as profitable in the manufacture of pepper sauce.

Pkt., 15 cts.; 2 for 25 cts.

LIGHTNING PEA.

One of the best of early "blue" peas. It bears in profusion long, well-filled pods containing peas of good size, a bright green color, sweet and of good flavor. The plants present an attractive appearance, as they are completely studded with peas early in the season. For early use in private or market gardens this sort will prove desirable.

Pkt., 10 cts.; qt., 30 cts.; peck, \$2.00.

SQUASH.**PIKE'S PEAK, OR SIBLEY.**

An improvement on the Hubbard. The shell is smooth and thin and of a pale green color; flesh thick, solid; vivid orange in color; very dry; of fine grain and delicate flavor. The Squashes weigh from 8 to 11 pounds, and are excellent keepers.

10 cts. per pkt.; 15 cts. per oz.; $\frac{1}{4}$ lb., 40 cts.

BAY STATE.

A new Squash of a peculiar greenish tinge outside and with golden yellow flesh of good quality, sweet and fine-grained. A little earlier than Essex Hybrid and promises well as a good keeper.

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

Red Mikado Tomato.

We consider this one of the finest Tomatoes ever sent out. It is of very large size and fine flavored; for slicing it will be found excellent, as it has few seeds and is very solid. The Tomatoes are borne in clusters of 4 to 7, ripen evenly, and remain firm when fully ripe. Of a bright red color free from purple tinge. As a table variety it will meet the views of the most fastidious, and should be largely grown by gardeners who court the best trade.

Pkt., 15 cts.; 2 for 25 cts.; oz., 60 cts.

RINGLEADER TOMATO.

PEACH TOMATO.

This variety is entirely different from any other Tomato, and so closely resembles a peach in size, form and color that it is difficult to decide at first glance whether it is a peach or tomato. Of delicate flavor and very attractive in appearance. The fruit is two inches in diameter and borne in large quantities. An excellent preserving sort.

Pkt., 15 cts.; 2 for 25 cts.; 5 for 50 cts.

VOLUNTEER TOMATO.

An early Tomato, of most attractive color and uniformly good size, averaging six to eight ounces. Of perfect form, a continuous and productive bearer; ripens well to the stem, and is entirely free from hard core. It has been tested thoroughly, and is considered by many an ideal Tomato.

Ringleader Tomato.

A remarkably large and heavy-fruited Tomato, shown in our colored plate last season. The flesh is very thick, solid and of excellent quality, free from acidity and desirable for slicing. It is a second early variety, and should not be depended upon for early fruit. For private gardens it is a specially good sort. Specimens often weigh 1 lb.

Pkt., 15 cts.; 4 for 50 cts.; oz., 75 cts.

LORILLARD TOMATO.

The result of a cross between the well-known varieties Acme and Perfection. It is equal if not superior to Perfection when grown out of doors, and will outcrop it, in poor soil. It sets freely, four and five fruits to a bunch, all of equal and good size, and a vermilion-scarlet color. The shape is round, and as a variety for forcing under glass it is the best. The raiser states: "Last winter I grew from 300 ten-inch pots *seven thousand five hundred pounds of fruit*—being an average of twenty-five pounds to a plant—all of fine marketable size, firm and handsome in appearance, while the flavor was equal to the best outside-grown Tomato."

25 cts. per pkt.; 5 pkts. for \$1.00.

SION HOUSE BEAN.

The best sort for forcing, as it comes early into bearing and produces long, stringless, mottled pods of excellent quality. This is the variety used by the best growers of early vegetables, and will be found all that is desired in a forcing bean.

Pkt., 15 cts.; qt., 40 cts.

WHITE BOX.

DREER'S SCARLET FRAME.

The Three Best Early Radishes.

DREER'S SCARLET FRAME. The very earliest Turnip Radish; of a bright scarlet-crimson color, perfectly round, crisp and tender, of excellent flavor, and the most showy and attractive sort. Pkt., 10 cts.; oz., 25 cts.

WHITE BOX. A perfectly round, white variety, free from any sharpness or bitterness, and the quickest of the white sorts. This sort will be largely grown the coming season. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 30 cts.

CARDINAL GLOBE. Of globular shape and brilliant red color, with short top and especially adapted for forcing, as it will stand a large amount of heat without becoming pithy; flesh tender, crisp, and in quality all that can be desired. We can safely recommend this sort. Pkt., 10 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.

Desirable Flower Seeds for 1889.

COMPRISING THE BEST OF THE NOVELTIES FOR 1889 AND ESTABLISHED OFFERINGS OF LATE SEASONS.

TRIUMPH ASTER.

The individual flowers measure from 2½ to 3 inches across and are of the most faultless Pæony-form, all petals being beautifully incurved. The color is peculiarly rich and brilliant; when beginning to bloom it is a pure scarlet, but when in full bloom it changes to a magnificent satiny deep scarlet, presenting with these two brilliant colors a lovely sight. Each plant bears at least 30 to 40 flowers of exquisite beauty.

No. 5176. Per pkt., 25 cts.

COMET ASTER.

A new and beautiful sort, forming fine, regular pyramids 12 to 15 inches high and covered with large double flowers. In shape they resemble a large-flowered Japanese Chrysanthemum, the petals being long and twisted or curled and wavy.

The color is a lovely delicate pink bordered with white. No. 5172. Per pkt., 25 cts.

AMARANTHUS TRICOLOR SPLENDENS.

(New Joseph's Coat.)

An improvement on the old *Amaranthus tricolor*, which will be found a desirable acquisition to ornamental foliaged plants. All who have grown the old "Joseph's Coat" know its bright colors, which are far surpassed by the brilliant shades displayed in this new sort. The seed offered was saved from specimens of remarkably brilliant coloring.

No. 5093. Per pkt., 10 cts.; 3 for 25 cts.

BEGONIA SCHARFFIANA.

A new species from Brazil with large, thick, velvety leaves, of emerald green color on the surface and deep purplish red underneath. The flowers are large and pure white. Perfectly distinct from all other ornamental-leaved Begonias, and, being much harder than any of the Rex varieties, it can be recommended as a fine plant for apartments.

No. 5286.

25 cts. per pkt.

CANNA, EMILE LECLAIRE.

One of the most showy and distinct of the new French Cannas. The flowers are large and of a bright golden yellow, mottled and spotted crimson and scarlet. Pea-green foliage. As a cut flower it will be found useful, as its peculiar color gives it the appearance of an orchid.

No. 5404. Per pkt., 15 cts.

CANNAS, CROZY'S NEW DWARF FRENCH.

A new dwarf strain of Cannas which do not grow over 3 or 4 feet high and bear bright and showy flowers in profusion. For planting in centres of coleus beds they are admirable, as they do not grow too high and in season are a mass of bloom.

No. 5402. Per pkt., 15 cts.; 2 for 25 cts.

CUP AND SAUCER CAMPANULA

CAMPANULA.**CUP AND SAUCER.**

One of the prettiest of the Campanulas. The flowers grow in the form shown and cover the plants with a profusion of bloom. The colors are principally white and rose-colored and occasionally blue. While not a "new" flower, it is not grown in proportion to its merits.

No. 5363. Per pkt., 10 cts.

CASTOR BEAN.**QUEEN OF CAMBODIA.**

Its eminently ornamental properties entitle it to a place in every garden. The main stem and leaf-stalks are shining ebony, leaves large, regularly divided and richly colored. The foliage assumes different shades as the plant increases in size, so that very striking effects may be obtained when planted in groups. The finest of all the Castor Beans.

No. 6476. Per pkt., 25 cts.

SNOWBALL DAISY.

A large and very double pure white Daisy of the "Long-fellow" type. The flowers are borne on long stems and are excellent for cutting.

No. 5683. Pkt., 25 cts.

JAPANESE CHRYSANTHEMUM.

COSMOS HYBRIDUS.

A charming autumn-flowering plant, requiring treatment similar to the Dahlia. The flowers are borne profusely in loose clusters and present a charming appearance. Seed should be sown early in spring and the plants transplanted in the open border when danger from frost is past. It begins blooming in July and continues until cut down by frost. The young plants should be stowed a little to bring them into early blooming. For planting in shrubbery it will be found very valuable.

No. 5652. Per pkt., 10 cts.

Japanese Chrysanthemum.

The seed we offer has been imported direct from Japan, and should produce some very novel colors and forms. The new varieties are produced from seed, and the expectation of some distinct and pretty sort will lend a charm to the growers.

No. 5490. Per pkt., 25 cts.

DAHLIA GRACILIS.

A lovely strain of Dahlias which presents an endless variation of coloring. The flowers are beautifully striped and completely cover the plants. They bloom the first season from seed, and will provide one of the most satisfactory displays for the autumn garden.

No. 5691. Per pkt., 15 cts.

GODETIA—FAIRY QUEEN.

A lovely variety, of dwarf and compact habit, bearing profusely its large and pretty blush spotted carmine flowers. An acquisition to the list of free-blooming annuals.

No. 5889. Pkt., 25 cts.

GLOXINIA.**SPOTTED AND TIGERED.**

The flowers of this class are beautifully spotted and marbled, are of various lovely shades and forms and make a pretty contrast to the self-colored sorts.

No. 5864. Pkt., 35 cts.

Japanese Hop.

(*HUMULUS JAPONICUS*.)

An ornamental climbing plant. The foliage resembles in shape the common Hop, is very dense, and in color a lively green. One of the best climbers for covering verandahs, trellises, etc., never suffering from the heat like many other climbing plants, but retaining its fresh color until late in the autumn.

No. 5958. Per pkt., 15 cts.; 2 for 25 cts.

KALANCHOE CARNEA.

This strikingly beautiful decorative plant commences to flower at Christmas and continues in bloom throughout January and February. Its bright and pleasing color is very attractive during the dull winter months. The plant was recently introduced from South Africa, is of easy culture, very floriferous and succeeds well in a temperature of 50° to 55°; it attains a height of about 18 inches and is of good bushy habit. The flowers, which are borne in large clusters, are of wax-like consistency, last a long time in perfection, are of a beautiful delicate pink color, and, in addition, are deliciously fragrant, which greatly enhances the value of this charming plant.

No. 5983. Pkt., 25 cts.

YELLOW LARKSPUR.

(*DELPHINIUM ZALIL*.)

A novel color among Larkspurs; the individual flowers are nearly as large as a 25-cent piece, are of a bright sulphur yellow, and are borne on spikes 8 to 16 inches in length. As many of the flowers expand at one time, they show their beauty to advantage. Flowers from May to August.

No. 5707. Per pkt., 20 cts.

ROSY SCARLET LARKSPUR.

An effective novelty, which will be gladly welcomed by all lovers of this class of plants. Its season of blooming lasts until late autumn. In color it is a beautiful shade of rosy scarlet; flowers of good size, and borne on long spikes.

No. 5712. Per pkt., 20 cts.

LOBELIA LITTORALIS.

A very pretty variety for growing in the house or greenhouse in hanging pots or baskets. The plants are of trailing habit, often attaining a length of 2 feet. The pure white flowers are borne on upright stems in large numbers. The seed pods when ripe are a purplish red, making the plant as attractive as when in bloom.

No. 6033. Per pkt., 25 cts.

MARIGOLD.**CARTER'S GOLD NUGGET.**

Remarkable for its dwarf dense growth and immense double flowers, which are of a peculiar shade of golden yellow, resembling Australian gold. It blooms abundantly from June till cut down by frost.

No. 6062. Per pkt., 15 cts.

AFRICAN MARIGOLD. EL DORADO.

The flowers are from 3 to 4 inches in diameter, perfectly imbricated and extremely double. The colors run through all shades of yellow, from very light primrose to the deepest orange. The proportion of double flowers is greater than in any other selection.

No. 6058. Per pkt., 10 cts.; 3 for 25 cts.

MINA LOBATA.

Half-hardy Mexican climbing annual. The buds are, at first, of a vivid red, but turn to orange yellow immediately before they open, and when fully expanded the flowers are of a creamy white shade. They are freely produced from the base to the summit of the plant, which attains a height of from 18 to 20 feet, and constitutes a strikingly beautiful object.

No. 6115. Per pkt., 25 cts.

MINA LOBATA.

OSTROWSKIA MAGNIFICA.
(GIANT BELLFLOWER.)

A charming hardy Campanula from Bucharest. It forms a bush four to five feet high, which is covered with large, bell-shaped flowers of a rich dark blue shading to lilac. No. 6210. Pkt., 25 cts.

PANSY—BLACK PRINCE.

The finest black Pansy. The flowers are larger than "Faust" and of a rich, glossy black, with a peculiarly soft velvety appearance.

No. 6237. Pkt., 25 cts.

PHLOX DRUMMONDI.
STAR OF QUEDLINBURGH.

Of dwarf habit, bearing very pretty flowers; varying in color from violet blue to deep rose margined with white; the edges are slightly fringed. The spines which project from the edge of the flower are $\frac{1}{4}$ to $\frac{1}{2}$ an inch long and give the flower a star-like appearance.

No. 6351. Pkt., 25 cts.

PHLOX DRUMMONDI.
FAIR MAID.

A new and distinct dwarf Phlox. The flowers, of a delicate fleshy pink shading to a rich crimson in the centre, are very beautiful, and form a valuable addition to the colors of this class.

No. 6346. Pkt., 25 cts.

MIGNONETTE.

BIRD'S MAMMOTH.

A profuse-flowering, very fragrant Mignonette, bearing long and thick spikes. For florists or growers for markets this variety is specially adapted.

No. 6096. Per pkt., 15 cts.; 2 for 25 cts.

MIMULUS MOSCHATUS COMPACTUS.

An improved form of this universal favorite which will be welcomed by all lovers of window-plants. The branches are short and more vigorous than in the old Musk, thus forming a compact bush of an erect habit, as shown in the illustration, and the plant is just as floriferous and emits the same delightful fragrance as the old variety of Musk.

No. 6114. Per pkt., 25 cts.

MOON FLOWER.

(*IPOMEA NOCTIFLORA*.)

A very rapid-growing vine, which will easily cover a surface of 25x40 feet during the season. At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers 5 to 6 inches in diameter. One of the most showy of the annual climbers. The seed we offer of the Moon Flower is true, and not Ipomea Bona Nox, which is of a pale lilac color.

No. 5967. Per pkt., 15 cts.; 2 for 25 cts.

SHIRLEY POPPY.

SHIRLEY POPPY.

These charming Poppies are generally single or semi-double. The range of color, extending from pure white through the most delicate shades of pale pink, rose and carmine to deepest crimson, is so varied that scarcely two are alike, while many are delicately edged and striped. The blooms, if cut when young, will stand for several days without dropping.

No. 6384. Pkt., 20 cts.

**PHLOX DRUMMONDI COCCINEA
FL. SEMI PLENO.**

The plants grow more compact than the single flowered, while the trusses and the individual flowers are equal in size to those of the dwarf compact varieties. The doubleness of the flowers is formed by an addition of 4 to 6 petals in the middle or tube of the flower, which, according to the weather, is sometimes more or less dense; it also happens that double and single flowers are found in one truss.

No. 6353. Pkt., 20 cts.

DOUBLE WHITE PHLOX DRUMMONDI.

A profuse bloomer, and of great value for bouquets, as it blooms at a season when white flowers are especially desirable. • About 80 per cent. of the seed sown will produce double flowers. A bed of this variety makes an excellent display.

No. 6354. Pkt., 20 cts.

**TORENIA.
WHITE WINGS.**

A sport from *Torenia Fournieri*, with white flowers occasionally shaded blush; yellow throat. A very pretty pot or edging plant.

No. 6682. Pkt., 25 cts.

TOM THUMB ZINNIA.

A miniature *Zinnia* of uniform growth, forming compact, round bushes 6 to 12 inches in height and 8 to 15 inches in diameter. The colors are bright and various, and will make an excellent market plant.

No. 6786. Pkt., 20 cts.

ZINNIA ROBUSTA PLENISSIMA.

The flowers are 5 to 6 inches across, perfectly formed, very double and of striking colors. The plants grow to a height of 3 feet and remain in bloom a long time. This sort is unusually robust, and bears remarkably large and showy flowers.

No. 6784. Pkt., 10 cts.

PRIMULA.

CARTER'S HOLBORN BLUE.

A distinct and beautiful variety, with azure-blue flowers of large size, thrown well above the foliage. The flowers are of good substance and elegant form, and are the first break in the way of a blue *Primrose*.

No. 6424. Pkt., 50 cts.

POMPONE ZINNIA.

POMPONE ZINNIAS.

Excellent *Zinnias*, differing from the older ones in habit of growth and the immense size of their perfectly formed very double flowers of various striking colors. The plants are dwarf and bloom freely during a long period. Being of great consistency, the flowers are not injured by heat and remain in good condition for several weeks.

No. 6783. Pkt., 10 cts.

VERBENA COMPACTA, SNOWBALL.

This variety grows into a compact bush instead of being of straggling habit. For planting among *Phlox* and other bushy plants it will be found invaluable. The umbels are large and bear medium-sized pure white flowers. As it can be kept down to a height of 5 or 6 inches, it will doubtless prove of value as an edging plant.

No. 6711. Pkt., 30 cts.

Plant Novelties for 1889.

ARISTOLOCHIA ORNITHOCEPHALA.

ARISTOLOCHIA ELEGANS.

One of the best summer climbers; of rapid and dense growth. It bears profusely, even on small plants, its handsome and elegant flowers of a rich dark purple color, ornamented throughout with irregular branched markings of a creamy white, and having a golden yellow eye surrounded by rich velvety purple.

50 cts. each.

ARISTOLOCHIA

ORNITHOCEPHALA.

(The Bird Aristolochia.)

One of the most singular flowers imaginable. It flowered in the open ground with us the past season, and wherever shown attracted attention. The flowers are of large size, reddish purple in color, veined and marbled as shown in the cut. This plant will grow in any warm situation and flower freely; of rapid-climbing habit.

\$1.00 each.

ARISTOLOCHIA CYMBIFERA.

(Boat-Flowered.)

Another showy climbing Aristolochia, bearing flowers of a peculiar and distinct boat shape. In color a lovely mixture of purple and brown.

50 cts. each.

ARISTOLOCHIA ELEGANS.

ALLAMANDA WARDLEYANA.

A very showy greenhouse climber, bearing large and beautiful golden yellow flowers six inches in diameter. It blooms in clusters and is superior in coloring and size to any of the Allamandas. Will thrive in warm houses, though greenhouse treatment enhances its beauty.

\$1.00 each.

BEGONIA COUNTESS LOUISE ERDODY.

The leaf, which has a metallic lustre, appears dark silvery in the centre, shading into coppery rose toward the margin, which is broadly and evenly edged with the same hue, but darker and more brilliant. The striking peculiarity, however, which distinguishes it from all other Begonias, is that the two lobes at the base of the leaf do not grow side by side, but one of them winds in a spiral-like way until in a full-grown leaf there are four of these twists lying on the top of the leaf nearly two inches high.

50 cts. each.

BEGONIA COMPTA.

A pretty ornamental species from Brazil. Its leaves have palish pink footstalks, which are five to six inches long, remarkable for the unequal development. The color is satiny green with a silvery tinge along the course of the mid-rib; this coloration with the satiny surface being of a very pleasing character.

50 cts. each.

BEGONIA COUNTESS LOUISE ERDODY.

BOUVARDIA IVORY WHITE.

An improvement on all the White Bouvardias. The flowers are of a waxy consistency, pure ivory white in color, of large size and borne abundantly in large trusses. The habit of the plant is vigorous.
30 cts. each; \$3.00 per dozen.

COREOPSIS LANCEOLATA.

COREOPSIS LANCEOLATA.

A hardy perennial that should find its way into every garden. The flowers are a clear bright golden yellow and certain to attract attention. It flowers profusely, is perfectly hardy and thrives in almost any situation. One of the best of the perennials.

25 cts. each; \$2.50 per doz.

CLEMATIS, BEAUTY OF WORCESTER.

A sterling variety, which possesses the singular merit of producing both single and double flowers on the same plant for its earlier bloom, and as the season advances single flowers only are borne. It is a large and handsome 6 to 8-petalled flower of a lovely bluish-violet shade, with prominent pure white stamens, which greatly add to its beauty. Of vigorous growth, and a remarkably free and continuous bloomer, producing flowers at almost every joint.

\$1.50 each.

CARNATION, MRS. CLEVELAND.

A very pretty Carnation of a deep, soft rosy pink color and fine form. One of the freest-blooming varieties in cultivation.

25 cts. each.

PLUMBAGO CAPENSIS FLORA ALBA.

The exact counterpart of Plumbago Capensis except in color, which in this beautiful novelty is a creamy white. This is one of the leading new plants of the year, and as a bedding plant will be found invaluable, as it is constantly in bloom throughout the season.

30 cts. each; \$2.50 per dozen.

PLUMBAGO COCCINEA SUPERBA.

Similar in style to Plumbago Rosea, but producing long racemes of flowers 12 to 15 inches in length, and of a bright satiny carmine color. They remain in bloom a long time and are very showy and brilliant.

50 cts. each.

NEW DOUBLE WHITE FUCHSIA, MRS. E. G. HILL.

This magnificent variety was raised and introduced by M. Lemoine, and is undeniably the most perfect and beautiful double white Fuchsia ever raised. The short tube and sepals are a bright, rich, reddish-crimson color; corolla extra large, full and double; flower of the largest size. In all save color it is like Phenomenal. It is of robust, upright growth, compact and very symmetrical. It has every qualification to recommend it, both in size, freedom of bloom and good constitution.

50 cts. each.

BEGONIA SEMPERFLORENS GIGANTEA.

BEGONIA.

SEMPERFLORENS GIGANTEA.

The flowers of this new sort are brilliant carmine red, and are borne in large panicles. It is one of the best of the new Begonias, and possesses vigorous habit. The flowers are unusually large and brilliant, and stand well above the foliage.

35 cts. each; 4 for \$1.00.

PEARL BUSH.

EXOCHORDA GRANDIFLORA.

The flowers are borne in slender racemes of eight or ten florets each, on light and wiry branches that bend beneath their load of bloom just enough to be airy and graceful. The petals are pure white, the calyx shows a small dot of green in the centre of each flower, while the unexpanded buds are like small round beads of pearly whiteness. It bears some resemblance in size and appearance of flower to Mock Orange, but the flower-spikes are longer and borne on slender branches, giving a graceful appearance to the bush. It will become one of the most popular of our hardy-flowering shrubs as soon as its merits become known.

First size, 35 cts. each; \$3.50 per dozen.
Second " 25 " " 2.50 " "

CANNA, EMILE LECLAIRE.

CANNA, EMILE LECLAIRE.

Flowers large, bright golden yellow, mottled and spotted crimson and scarlet. It will be found useful as a cut flower, as its peculiar color gives it the appearance of an orchid. One of the best and most distinct varieties. Pea-green foliage.

50 cts. each.

NEW FRENCH CANNAS.

The following comprise the best of the late introductions and are all distinct:

Cardinalis. Flowers pure cardinal crimson, large and finely shaped; foliage bluish green; 3 to 4 feet.

Edward Andre. Flowers large, brilliant carmine rose, spotted crimson; foliage bronze and green shaded purple; 3 to 4 feet.

Gerard Andrieux. Very large trusses of soft rosy-salmon flowers; light green foliage, stems rose-tinted; 4 to 5 feet.

Hippolite Flandrin. Extra large, bright salmon flowers; foliage light green. 3 to 4 ft.

Louis Thibaut. Vermilion, shaded bright orange; spikes large and numerous, rising gracefully above the foliage; 2½ to 3 feet.

Multiflora. Rich, pea-green foliage; flowers carmine scarlet, outer edge banded yellow; 4 to 5 feet.

Paul Bert. Brilliant scarlet, extra large flowers, produced abundantly on branching spikes; dark green foliage, bronzy-red stems; 3 to 4 feet.

Strelitzæflora. Broad, massive, deep green foliage; brilliant orange-scarlet flowers. 3 to 4 ft.

75 cts. each; set of 8, \$5.00.

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A. BLANC PHILA

Dreer's Mammoth Verbenas.

In the list of Mammoth Verbenas offered below are, without exception, the largest and finest sorts that are to be found in any collection. Some of the varieties are as large as a 50-cent piece, while none are smaller than a 25-cent piece. The colors are excellent, and in all respects the varieties will please. At the New York Convention our Verbenas were a centre of attraction.

Dawn. Large, rich carmine, shading to scarlet in the centre.

Fireball. Dazzling scarlet, of the most vivid shade; large white eye; the finest scarlet in cultivation.

Glow. Beautiful, rich scarlet; large pure white eye.

Mrs. Eisele. Intensely rich scarlet; small eye; flowers very large.

Perfection. Pure pink; the finest of its color ever offered.

Snow Bird. Flowers of largest size; pure white; very fragrant and borne on large trusses.

Venus. A lovely shade of soft, rosy pink, with white eye; a large and attractive flower.

15 cts. each; \$1.50 per dozen; set of 7, 60 cts.

THE * THREE * GRACES.

The three climbing plants offered are in every respect desirable for summer decoration. Being of rapid growth, they will speedily cover an arbor, trellis or veranda and greatly enhance the appearance of garden and house. *Ipomea Leari* is a magnificent Morning Glory, bearing deep azure blue flowers, 6 inches in diameter. It is a profuse bloomer and of a lovely color. Among Morning Glories the distinct and pretty *Ipomea Palmata* (Mexicana) takes a leading place, as its flowers, which are large and of a purplish rose color, remain open several hours and do not wilt as soon as the sun shines. Being tuberous-rooted, it may be wintered like a Dahlia and improves from year to year in the quantity of bloom. *Passiflora Pfordtii* we consider the best for outdoor culture among the tender Passion Flowers, as it is far ahead in blooming qualities and vigor of growth. Its beautiful flowers are borne freely, are of a rich shade of blue, suffused with rose, and are possessed of a spicy fragrance which adds greatly to their charms. For summer climbing plants of sure and easy growth the three varieties herein offered are hard to excel.

Set of 3, 50 cts.

DOUBLE VERBENA.

VICTORIA.

This is the first departure toward double Verbenas. The flowers are a rich deep glowing scarlet and show clearly a double form. The trusses are of medium size, but owing to the rich color appear larger than they really are. Its rich and lovely color will render it a favorite. The plants are of good habit and bear their attractive flowers in profusion.

15 cts. each; \$1.50 per dozen.

MOON FLOWER.

(*Ipomea Noctiflora*.)

A rapid-growing plant of the "Morning Glory" family, with pure white moon-like flowers, 6 inches in diameter, which open at night. The flowers are borne in great profusion and present a curious and beautiful appearance as they wave to and fro with every passing breeze. As a climber for covering arbors, verandahs, trees or walls, it has no superior.

15 cts. each; 4 for 50 cts.; 10 for \$1.00.

DOUBLE VERBENA VICTORIA

⇒ DREER'S ⇒

☼ Garden ☼ Calendar ☼

⇒ FOR 1889. ⇒

A GUIDE TO THE SUCCESSFUL MANAGEMENT OF THE

☼☼ Flower and Kitchen Garden. ☼☼

1838.

1889.

51st

YEAR.

HENRY A. DREER,

SEED AND HORTICULTURAL WAREHOUSE,

No. 714 CHESTNUT STREET,

SEED FARM AND PLANT HOUSES,
RIVERTON.

PHILADELPHIA, PA.

DIRECTIONS TO CORRESPONDENTS.

PHILADELPHIA, JANUARY 1, 1889.

The attention of our customers is respectfully called to the following instructions, which will, if followed, be an aid to purchasers as well as ourselves. The seeds we offer have been carefully selected, and are from the best growers in this country and abroad. Our plant stocks are in excellent condition, and cannot fail to be satisfactory in every way:

POSTAGE PAID.—We deliver, postage paid, to any Post Office in the United States, **Vegetable and Flower Seeds, in Packets, Ounces and Pounds**, when ordered at retail prices. We also deliver, postage paid, to any Post Office in the United States, **Plants and Bulbs** at Catalogue prices, except where noted.

POSTAGE TO REMIT.—As prices of Peas, Beans and Corn are figured without delivery charges, it will be necessary for customers to remit for postage, when ordered to be sent by mail, at the rate of fifteen cents per quart, in addition to price.

EXPRESS.—It will be very much cheaper to the purchaser if goods are ordered to be sent by Express or Freight at their expense, when desired in quantities of several pounds and quarts. In all cases where possible we advise our customers to have their plants forwarded by Express, as larger and finer plants can be sent, and "extras" are added to help defray charges.

FREIGHT.—Fertilizers, Brackets, Rustic Work, Pots, Implements, Insect Destroyers miscellaneous bulky or heavy articles can be sent only by Express or Freight at the purchaser's expense, except where noted.

PACKING.—No charge is made for boxes or packing, nor for delivery to Freight Depots or Express Offices.

REMITTANCES.—Should be made by Post Office Money Order or Postal Notes, Drafts on Philadelphia or New York banks, or Express Money Orders. Where it is not possible to obtain these, the letters should be registered. We disclaim all responsibility when remittances are not made as above directed. Postage Stamps will be found a convenient method of remitting for small amounts, and can be used by us to advantage.

CASH WITH ORDER.—Please send money with the order sufficient to cover the whole bill, to facilitate the execution of your orders. During the busy season, to make out bills for customers, charge and in a few days receive the money, make the proper credit and send receipt, requires more work than we can readily perform.

C. O. D.—We decline sending perishable goods **Collect on Delivery** to distant points unless a remittance be made on account to guarantee the acceptance.

ORDER EARLY.—It will greatly facilitate shipment if orders are sent in early. We aim to send off all orders the next day after receipt, but during the busy season it is nearly impossible—hence the advisability of ordering **early**.

ERRORS.—We exercise the utmost care in filling orders, striving to do a little more than we offer, yet in the press of business errors sometimes occur, in which event we wish to be promptly notified of the fact, and will make such corrections as will be satisfactory. Please keep copies of all your orders for comparison.

SAFE ARRIVAL OF PACKAGES.—We endeavor to secure the safe arrival of packages of Seeds, Bulbs and Plants in good condition in every case. If a package is injured or lost, we will replace it as soon as informed of the fact. Frequently it happens that orders never reach us, or are without signature. When customers fail to receive their packages in a reasonable time, they should inform us, and at the same time send a copy of their order and any other information necessary to trace the goods.

NAME AND ADDRESS.—Please remember to write your **Name, Post Office, County and State** as distinctly as possible, and apart from the body of the letter, to facilitate execution and prevent errors; also the **nearest Express Office**, or if on a Stage route, send us special directions, giving us the name of the Express Company delivering goods.

PLEASE USE THE ORDER SHEET, AND WRITE THE ORDERS LEGIBLY, apart from the body of the letter, to facilitate execution and prevent errors; orders for *plants* should be on a *separate sheet*; the departments are separate, but shipments of seeds and plants are made in one parcel, to avoid additional Express charges. Address,

HENRY A. DREER,

SEED WAREHOUSE, 714 CHESTNUT STREET,

WILLIAM F. DREER.

PHILADELPHIA, PA.

Lock Box 1618.

Philadelphia, Jan. 1, 1889.

WITH the opening of the New Year, we again send our annual Catalogue to our customers, trusting therein will be found something to meet their wants. Our lists of seeds and plants contain only varieties that have been well tried and proved valuable, while among the novelties offered are some things that will not soon be forgotten. Amateur and professional gardeners will find Dreer's Eclipse Asparagus a large and extra fine flavored sort. Dreer's Golden Cluster Bean, the best of the pole varieties, Cardinal Globe, White Box, and Dreer's Scarlet Frame Radishes, are three distinct types of early or forcing sorts. Red Mikado and Ringleader Tomatoes, Roslyn Hybrid Corn and Wax Date Beans and the other offerings, will certainly please the most fastidious.

Our seed growers are the most experienced that can be secured, many of them having grown for us for a quarter of a century. They are all experts in specialties, and are situated in localities best adapted to the full development of the varieties grown. The trial system that we employ gives us full assurance that what we sell can be absolutely relied upon as being true to name and type.

Among plants, Allamanda Wardleyana, with its large and showy flowers, the two lovely Plumbagoes, the curious and beautiful Aristolochias, and the Mammoth Verbenas, will meet the wants of buyers of good things. Our plants are well grown and healthy. The Palms and Ferns for decorating are in excellent condition. Our lists of Roses, Dahlias, Chrysanthemums, etc., are revised yearly and contain only reliable sorts that will give pleasure to the growers. Among our specialties are Double Petunias, of which we grow many thousand plants of superior sorts each year. For decorating the greenhouse in summer we offer fine Fancy-Leaved Caladiums and Gloxinias, which can be interspersed with pretty Ferns, thus making a usually desolate place a point of attraction.

When large quantities of plants are wanted, we shall be pleased to make prices, and will endeavor to fill all orders in a satisfactory manner. Under the title of Directions to Correspondents on page 2 will be found sufficient information to enable our customers to make remittances and receive their goods safely.

Owing to the reduction in postage, we now send postpaid Vegetable and Flower Seeds in quantities of pounds or less when ordered at retail rates. On Peas, Beans and Corn, customers should add to price 8 cts. per pint, 15 cts. per quart to Catalogue price when ordered to be sent by mail.

In making our Catalogues it is our aim to give descriptions free from all appearance of outrageousness and to make our engravings as true to type and nature as possible, considering well the fact that a seedsman's Catalogue should be rational in its tone, educational in its matter, and as clearly descriptive of the things offered as a limited space will allow. It is our desire to make our Catalogue serviceable as a book of reference, and as clear as possible, so that it will not be simply considered as relating only to a passing event.

The policy of the house has always been to be as liberal as possible, and to send out only the best, and we wish in conclusion to thank our many friends and customers in all parts of this country and abroad for their kind appreciation and liberal support through a long series of years.

HENRY A. DREER,

714 Chestnut Street,

WM. F. DREER.

Philadelphia.

Is for comfort and convenience, for luxury even ; it is to express civilization and care and design, and to foster the refinement of our natures. In planning it, beauty of form should always be kept in view ; for as in a work of art beauty of form is superior to coloring, as it betokens a deeper acquaintance with principles, a higher refinement, so in gardening shapeliness is superior to quantity, and gracefulness of outline to meaningless groups of color. By this we do not in any sense mean that color should be discarded ; for beauty of tint and tone are necessary adjuncts of comeliness of form. As a general thing the delicate shades of pink and white, pale blues and greens, and the softer shades of crimson and scarlet, are more expressive of beauty than the positive colors.

Gardening requires talent, the knowledge of the beautiful, the harmony of color, and the ability to grasp ideas and work them out so that the desire may pass from inception to fulfilment. The "styles" of gardening may be stated as three : The Geometrical or Italian, as it is called from its adaptation to Italian forms of architecture ; in this style the terrace plays a prominent part, as it can be used most successfully in hilly situations. The "Picturesque," which is almost letting nature alone, or aiding her in intensifying sharpness of detail or raggedness of outline, and is only suitable for rough and hilly sections. Loudon has aptly called the last form the "Gardenesque," for in it are shown varied tastes and methods, the individual preferences which take precedence of style, and which add, after all, the greatest charm to the garden, for they are the most natural. To this latter class belong the groupings of small shrubbery, the beds of perennials, which delight by their apparent disorder, the mixed borders which constantly present a change from grave to gay, from beauty of form and color to that which presents an appearance which would be ill-pleasing were it not for the single redeeming feature of fragrance which charms all the senses through one. For this style of gardening perennials are admirably adapted, for they combine in a marked degree permanence and beauty. The graceful Foxglove delights in half-shaded situations, such as shrubbery affords, and will be in bloom when the shrubs are rich only in foliage. The pretty, nodding Columbine, with its fairy bells, will lend a charm to the rockery or rough situations on hillsides, as it requires but little soil, and bears drouth admirably. For a distant vista through trees Hollyhocks are indispensable, as they not only add beauty to the scene, but also give a sense of increased distance. Tall, hardy grasses, such as the Pampas, Erianthus and Arundos, Castor Oil Bean, Aralias, Palms and Wigandias, properly grouped, will give a tropical effect, and transform barren and unsightly views into scenes of beauty and verdure.

If practicable, the Garden should have a warm and southeasterly exposure. But when the ground slopes to the north and west, it is important to have it located on the sunny side of an orchard or buildings. The most desirable situation possible should be set apart for the kitchen garden, as the exposure has much to do with the early maturity of the crops. The soil must be in a friable state to secure the prompt vegetation of the seeds and the proper growth of the plants. Soils are susceptible of alteration and improvement in texture ; heavy clays can be rendered open and porous, and light sandy soils may be consolidated and rendered more retentive of moisture.

To secure a fair return in seasonable crops, for the labor and outlay invested, it is essential that the soil of the Vegetable Garden should be well drained, thoroughly trenched, and enriched by a judicious application of manure. It is still the current opinion, based on experience, that for all purposes well-composted barn-yard manure, when available, is the best material ; but several of the concentrated manures, now manufactured, are useful and convenient, especially for a succession of crops. A very efficient liquid manure, for promoting the growth of vegetables already started, is made by dissolving one pound of pure Peruvian guano in ten gallons of water ; it should not be applied oftener than once a week.

The mode of laying out the ground is a matter of taste, and may be left to the gardener himself to determine, the form being of little importance in the production of useful vegetables ; and it matters not if the ground is laid out in beds of 4 or 10 feet wide, provided it is well worked and kept neat and free of weeds.

THE VEGETABLE GARDEN—ROTATION OF CROPS. A rotation of crops is as essential in vegetable gardening as in farming, as different plants appropriate different ingredients from the soil. Care should be taken that deep-rooted plants, such as Beets, Carrots, Parsnips, etc., are not planted successive seasons on the same soil, but should be followed by those plants whose roots extend but little below the surface, such as Onions, Lettuce, Cabbage, Spinach, etc.; plants of the Brassica, or Cabbage tribe, are apt to become diseased at the roots (club-rooted, as it is termed), if too frequently planted in the same ground.

HOT-BEDS. There are several aids to the economical management of the garden, which are almost indispensable: one of these is the hot-bed for growing early plants or vegetables. A frame, such as is shown in the illustration, may be made of various sizes, according to the size of garden, from two sashes upwards. The sashes are generally made 6 feet long by 3 feet wide, but we consider 4 feet preferable. Use 8 by 10 glass. The entire frame of four sashes is 16 feet 5 inches by 6 feet—allowing 1 inch separation on the bearers. The glass should be imbedded in the putty and secured with points, and well painted every year to keep in repair. After the season for use is past, store them away from the weather or keep in a pile with a board covering. Care in these respects will save considerable annual expense. The hot-bed should have a southern or southeastern exposure, and should be made with fresh horse manure, which must be laid in a heap preparatory to being used; when in a proper state of fermentation, place the frame on the heap. Six inches of rich loamy soil must be spread over the manure, then cover the frame with the sashes, and after standing a few days to allow the rank heat and steam to pass off, the seed can be sown. The heap should be made two feet longer and wider than the frame. Where the ground is well drained, a better plan is to dig out a space the size of the frame from 1 to 2 feet deep, according to the season and the heat required, in which the manure is placed, care being taken to pack it firmly and evenly.

In addition to the hot-bed frame, mats or shutters will be required to cover the sash during cold days and nights.

COLD FRAMES. The cold frame for wintering Cabbage, Cauliflower, Lettuce Plants, etc., should be constructed of 1-inch boards 1 foot high at the back and 9 inches high in front; short posts, set four feet apart, will keep the frame in position. For ordinary gardens a frame 12 to 16 feet long and 6 feet wide will answer all requirements. The shutters should be 6 feet 4 inches long by 3 feet wide, made of common rough boards. The soil should be enriched by old and well-decayed manure; the object being to preserve and not to grow the plants during the winter. Give plenty of air every mild day, but do not expose the plants to the sun when the ground or plants are frozen, as it will destroy them.

Very many who read this article on hot-beds and cold frames do not require the expense for a few vegetable and flower plants. To such there is an excellent substitute on hand in most dwellings, in the kitchen or basement windows, facing south or east, inside of which is a temperature usually not far from that required for the vegetation of seeds, and where seeds of early vegetables, or tender plants for the flower border, may be raised nearly as well, and with far less attention, than in a hot-bed.

IMPLEMENTS. The necessary implements to work the garden are a spade, spading fork, shovel, rakes, hoes, trowel, garden-line and reel, watering-pot, wheelbarrow, and combined seed-drill and cultivator; prices of which will be found in the Tool Department of this catalogue.

WHY SEEDS FAIL. From a conviction that the Seedsman's fair reputation is often unjustly defamed, through the failure of seeds, we would briefly state some of the causes.

Some cultivators, through ignorance or forgetfulness of the fact that the products of a garden, being natives of various soils and climates, require peculiar management, sow the seeds in the ground at improper seasons. To aid such we have prepared brief directions, founded on practical experience in the vicinity of Philadelphia, where gardening operations are generally commenced early in March. These directions may, however, be applied to all other parts of the United States, by an observance of the difference in temperature. Thus, to the North, the directions for March will apply to April; and at the South to January, February or whatever season gardening operations may commence in the respective States. The early and most hardy species and varieties should not be planted until the ground can be brought into good condition, as some species of plants, that in an advanced stage of growth will stand a hard winter, are often cut off by a very slight frost while young, especially if exposed to the sun after a frosty night.

Some species of seed, such as Beans, Beet, Cabbage, Lettuce, Radish, Salsify, Turnip, etc., being from their nature apt to vegetate quickly, are often destroyed while germinating through variability of the weather, and some are liable to be devoured by insects in forty-eight hours after they are sown, and before a plant is seen above the ground, unless a suitable remedy is applied in time to destroy the insects.

Other species, such as Carrots, Celery, Leek, Onion, Parsley, Parsnip, Spinach, etc., being naturally of tardy growth, take (in unfavorable seasons) from two to three or four weeks to vegetate, are apt to perish through incrustation of the soil, or other untoward and unaccountable circumstances, which cannot always be controlled.

Failures often occur through seeds being deposited too deeply in the ground, or left too near the surface. Sometimes, for the want of a proper quantity of seed in a given spot, solitary plants will perish, they not having sufficient strength to open the pores of the earth, and very frequently injudicious management in over manuring and improperly preparing the soil causes defeat.

In some sowings of seed made during dry weather, with a drought following, a total failure often occurs from neglecting to firmly press or roll in the seeds, so that when they germinate the action of the heat and drought may not affect the germ. We are satisfied that thousands of pounds of Turnip, late Cabbage and other summer-sown seeds are annually lost from this neglect. Never tread or roll in the seeds when the ground is wet.

Do not raise Egg Plants, etc., in the same hot-bed with Cabbage, and other half-hardy plants that require air every mild day: by such management one or the other must suffer—heat being the principal requisite of tender plants, and air that of the more hardy varieties.

SEED TESTS, for the protection of the planter and the benefit of the seller, are made thoroughly before the selling season at our extensive greenhouse establishment, where each variety is subjected to the most critical test, which places us in a position to determine the germinating power.

The trial grounds at our Riverton Farm are devoted to the growing of all new and old varieties, and furnish opportunity for comparison of their relative merits, and we are thus enabled to quickly ascertain for our customer's interest, which sorts to recommend or discard.

The annual offerings of supposed new sorts are large, but the real increase of standard varieties is comparatively small. Everything that is of any apparent value is bought and subjected to rigid comparison; if valuable, our customers will find it in our next season's catalogue. The quality and permanency of the novelties we have listed prove the truth of our assertions regarding novelties. The standard varieties are also subjected to careful examination in order that their purity and value may be maintained. The sources of supply are noted, and we are thus enabled to prove which section produces the best of any given article.

Successful Seed Sowing.

Provided the soil is in a proper state, flower seeds may be sown in the open border in the months of April and May. The seeds should be sown as soon as the soil becomes dry and easily crumbled, after the spring frosts have disappeared. Care should be taken not to sow in a crowded border, as light and air are indispensable. They may also be sown in prepared beds of light, rich soil, and transplanted into the garden. The former is the more simple method, but not always as satisfactory. The better is to sow all fine seeds under glass in a greenhouse, hot-bed, or in the house. As to the depth to which seeds should be covered, the best general rule is to cover fine seeds very lightly, just enough to protect them from the sun; and in extremely dry weather a sprinkling of damp moss is very useful. With very fine seeds it is best to sow on the surface, and press them slightly into the soil. We are convinced that one of the most frequent causes of failure is in sowing the seeds too deep, and seedsmen are unjustly censured, when the fault lies with the cultivator.

The period of sowing has also much to do with success or failure; as a rule, we find the winter months, even with all the appliances a skilful gardener can give, the most unsatisfactory; many instances of which have come under our observation during our long experience.

For sowing seeds, shallow boxes 2 to 3 inches deep, and covered with a light of glass and with open seams at the bottom, so that the water can drain through quickly, are best. (These we keep in stock all ready for use.) The best soil is a mixture of equal parts of sand, leaf-mould, and light, rich garden loam, which should be thoroughly mixed and passed through a coarse sieve; then fill your pots, pans, or boxes within half an inch of the rim; press the soil firmly and evenly. If the soil is dry it is best to water freely a day or two before sowing the seed, to enable the surplus water to drain off. After they are sown cover slightly with fine soil, carefully water with a fine rose or spray dampener, to settle the soil. When they are designed to be grown in the house, the temperature should be as near 60 degrees as possible; place them in a light window facing south or east.

The importance of uniform attention to watering may be best learned by experience and observation, but the inexperienced cultivator may be reminded that to omit a single watering and allow the young plant-germs from seed to remain in a parched state, or a too frequent indiscriminate watering, usually leads to the eventual loss of the whole. As soon as the plants appear, they will require careful attention, as the least over-watering may cause them to "damp off," and suddenly destroy all your hopes. They should now have as much sun as possible, and when the weather is pleasant, some air may be admitted. As soon as the plants are large enough to handle, prick them into other boxes or pots, placing them about 1 inch apart each way; they must be shaded for a few days from the sun, until they are established. When large enough they can be potted in small pots, and kept until the proper season for planting in the garden.

Nature bountifully provides for the reproduction of plants; the difficulty of multiplying by one method is counteracted by the ease with which it may be done by another. When plants are difficult to grow from cuttings, we generally find that they seed freely, thus giving ample means for increase. For instance, the much admired *Centaureas*, so extensively used for edgings, massing or baskets, which are difficult to grow from cuttings, are readily raised from seed; there are numerous varieties having the same nature, which all Florists and Amateurs soon discover by experience.

The germination of many hard seeds, especially among greenhouse or hot-house species, which are almost impervious to moisture, is greatly accelerated by pouring warm water over them, or soaking them over night in camphorated water, and then sowing. Thus treated, the young plants appear in a few weeks; but without such treatment they often lie dormant many months. The varieties of *Acacia*, *Erythrina*, *Canna* and *Smilax* are the most prominent of this class.

Climbers, for garden decorations, should be sown in February and March, the earlier the better, as the display in season will be in proportion to their early vigor.

Calceolaria and **Primula** are types of a class that require entirely different treatment; to insure success they should be sown in pots or boxes half filled with rough siftings; on this put two inches of fine compost, and sift over this a top-dressing of the same material, using a fine sieve. Sow the seed on the surface and press gently in, using a flat surface. Sprinkle with a fine rose; cover with a pane of glass, and keep shaded from the sun. The surface should be kept damp, and the pots or boxes kept in a moist, warm temperature. As soon as the seedlings are strong enough they must be potted in small pots, in soil prepared as before, and kept in the same situation until well established.

ANNUALS.

Annuals are plants that arrive at perfection, bloom, produce seed, and die the first season. **Hardy Annuals** can be sown in the borders from April to June. **Half-Hardy and Tender Annuals** can be sown in March and April in shallow boxes, etc., and placed on a hot-bed; when the plants are large enough, transplant in a cool frame near the glass to harden. In May, when the weather has become favorable, transplant in the borders; the seed may be sown in the open ground in May and June.

Many annuals are very desirable for the greenhouse for winter-blooming, and must be sown in July or August. Of these the most important are *Browallia*, *Candytuft*, *German Stocks*, *Lobelia*, *Mignonette*, *Schizanthus*, *Sweet Alyssum*, and *Dwarf Nasturtiums*. Many varieties, as well as the above, may be sown in the fall and winter for blooming early in the spring, such as *Acroclinium*, *Ageratum*, *Antirrhinum*, *Geranium*, *Dianthus*, *Linum*, *Mimulus*, *Myosotis*, *Pansy*, *Petunias*, *Phlox Drummondii*, *Salpiglossis*, *Salvia*, *Verbena*, *Vinca*, and others which will be found in our full and complete list of the best leading varieties.

BIENNIALS.

Biennials are those that last two seasons; some of the varieties bloom the first year, and remain over winter, flowering again the second year and then die; a slight protection of leaves or coarse manure will be found beneficial.

For summer and autumn flowering the seed should be sown in March and April, and treated the same as half-hardy annuals. Hardy kinds can be sown from April to September in the open border, and transplanted where they are intended to bloom the following year.

PERENNIALS.

Perennials do not flower until the second year, and the hardy varieties remain in the ground from year to year, and improve by age, forming large clumps or bushes, which are completely covered with their attractive flowers. They should be planted in the borders or beds where they are intended to remain permanently.

The seed may be sown early in the spring with Annuals, or later in the summer in a cool and partially shaded situation, and when large enough transplant to where they are to remain.

The following are among the most desirable: *Campanula*, *Foxglove*, *Hollyhock*, *Larkspur*, *Pinks*, *Sweet William*, *Wallflower*, etc.

DREER'S LIST

OF

RELIABLE VEGETABLE SEEDS.

This list comprises all the leading old sorts and those of later introduction possessing sufficient merit to make them worthy of extended cultivation. It is our aim, while trying everything new that is offered, to include in our list only those that are really an improvement on existing sorts.

ARTICHOKE.

Artischoke, GER. *Artichaut*, FR. *Alcachofa*, SP.

ARTICHOKE.

Add for postage 20 cts. per qt.

ASPARAGUS.

Spargel, GER. *Asperge*, FR. *Espárragos*, SP.

COLOSSAL ASPARAGUS.

Conover's Colossal. One of the best varieties, large and productive. Pkt. 5 cts., oz. 10 cts., lb. 75 cts.
Philadelphia Mammoth. An excellent variety largely grown in this section. Pkt. 5 cts., oz. 10 cts., lb. 75 cts.
Two year old roots by express \$1.00 per 100, \$8.00 per 1000. Add for postage \$1.00 per 100.

BEANS.

English Dwarf.

Gartenbohnen, GER. *Fève de Marais*, FR. *Habas*, SP.

To succeed well, they must be planted as soon as the frost is out of the ground, in strong, heavy soil, in drills 3 feet apart and 2 inches deep. Pinch off the tops as soon as the lower pods begin to fill.

Broad Windsor. The best for general culture, used only as a shelled bean. Pkt. 10 cts., qt. 40 cts.

BEANS.

Bush, Dwarf, or Snap-Short.

Buschbohnen, GER. *Haricot Nain*, FR. *Habas ò Frijoleno*, SP.

All the varieties of this class are tender, and will not bear the cold. Plant about the middle of April, if the ground is warm and the season favorable, and at intervals throughout the season for a succession, finishing about the 15th of August. The best mode of culture is in rows 2 feet apart, and the beans 3 inches apart and 2 inches deep in the rows. Keep well hoed, and draw the earth up to their stems, but only when dry; working them when wet with rain or dew will cause them to rust and injure the crop.

GREEN PODS.

IMPROVED RED VALENTINE BEAN.

Improved Early Red Valentine. One of the leading market sorts, pods round, fleshy, tender, remaining longer in green state than most varieties, good for pickling. Pkt. 10 cts., qt. 30 cts., peck \$1.50.

Early Mohawk. The hardest of the early varieties, and will endure a slight frost; also good for autumn pickling. Pkt. 10 cts., qt. 25 cts., peck \$1.50.

Early Long Yellow Six Weeks. Hardy and prolific as the above, with yellow seed. Pkt. 10 cts., qt. 25 cts., peck \$1.50.

Improved Green Flageolet. One of the best varieties. The beans when cooked retain their green color, are of good flavor, and are borne profusely. Pkt. 10 cts., qt. 30 cts., peck \$1.50.

❖ BEANS. ❖

BUSH OR DWARF—Continued.

Wonder of France. One of the best of the new sorts. Pods large, stringless, and of a bright green color, very prolific. Pkt. 10 cts., qt. 30 cts., peck \$1.75.

Early White Valentine. The seed being white, gives it additional value, as it can be used as a snap-short or a winter shelled bean. Pkt. 10 cts., qt. 30 cts., peck \$1.50.

White Marrowfat. Extensively grown for sale as a dry bean for winter use, excellent shelled, either green or dry. Pkt. 10 cts., qt. 25 cts., peck \$1.25.

White Kidney or Royal Dwarf. A superior kind for baking, and is also excellent when shelled green. Pkt. 10 cts., qt. 25 cts., peck \$1.25.

Black Turtle Soup. Used as a winter shelled bean, for which it is much esteemed; it makes an excellent soup, resembling that of green turtle. Pkt. 10 cts., qt. 25 cts., peck \$1.50.

GOLDEN PODS.

GOLDEN WAX.

Black Eye Wax. A cross between the Black and Golden Wax, two favorite sorts in market and private gardens. It is 3 to 5 days earlier than either of these varieties. It is a strong grower, very productive, tender, and of exceptionally fine flavor. The pods closely resemble those of the Black Wax, while the seed beans are marked around the eye with black spots. Pkt., 10 cts.; qt. 40 cts.

Golden Wax. Earlier than the Black Wax; pods long, brittle, entirely stringless, of a rich golden color; as a snap-short it excels all others in rich, buttery flavor, while as a bean for winter use it has few equals. Pkt. 10 cts., qt. 40 cts., peck \$1.75.

BLACK WAX.

Wardwell's Kidney Wax. Vines erect and of medium size. The pods, which are long and broad, are of a delicate waxy yellow, and entirely stringless and brittle. Being of fine buttery flavor and a heavy yielder, it will become a standard sort. Pkt. 10 cts., qt. 40 cts., peck, \$2.50.

Black Wax. One of the best varieties; pods when fit for use are waxy yellow, very tender, delicious and productive. Pkt. 10 cts., qt. 40 cts., peck \$1.75.

White Wax. Pods yellow and of good quality, valued for its white seed as a winter shelled bean. Pkt. 10 cts., qt. 40 cts., peck \$1.75.

Crystal White Wax. Waxy, transparent pods. It is stringless, crisp, tender, and of the richest flavor. The pods, though quick to develop, retain their tenderness longer than any other sort. Pkt. 10 cts., qt. 40 cts., peck \$1.75.

POLE BEANS.

Stangen Bohnen, GER. *Haricots à rames*, FR.
Frijol vastago, SP.

All under this head require poles 8 to 10 feet long, and should not be planted until the ground is warm, as they are more tender than the dwarf varieties. Plant about the middle of May if the season is suitable. Lima Beans are apt to rot in the ground, and should not be planted until the ground is warm. Set poles 4 feet apart each way, and plant 4 to 6 beans about 1 inch deep around each pole, placing the eye downwards, and thin out to 3 plants to a pole, if the soil is rich; pinch off the ends when the plants overrun the top of the poles, to effect more perfect growth below. They succeed best in sandy loam, with a shovelful of rich, light, and well-rotted compost to each hill, well incorporated. Lima beans for early use may be grown in frames and transplanted. The Black and Giant Wax are superior as snap-shorts; pods being tender and stringless.

After another season's trial we can recommend with even greater confidence Dreer's Early Golden Cluster Wax Bean. While it is not suited to the far North, owing to the lateness of the season, it is without question the most useful bean introduced of late years for any section south of the Canadas. It is an improvement on all the good qualities of the Giant and Dwarf Wax sorts, and we feel assured it has come to stay. It will be found a desirable variety for the market as well as private gardens, and will meet the approval of all careful growers. It is distinct in seed, in color and habit of growth. The pods retain their tenderness and plumpness long after the beans have attained a large size, so that only a few days elapse after they cease to be fit for String Beans before they are fit to shell. For quality, we have no hesitancy in saying it is the "Acme of Perfection" among pole beans, combining as it does the flavor of the Flageolet with the crisp tenderness of the Golden Wax. It snaps easily, is stringless,

POLE BEANS—Continued.

cooks tender, is of delicate flavor, and does not turn black. The pods are a beautiful golden yellow, and are from 6 to 8 inches long, borne profusely in clusters of 4 to 6. Commencing to bear ten days after the Golden Wax, it continues to produce an abundance of pods until frost sets in. Pkt. 15 cts., 2 for 25 cts., qt. 75 cts.

Black Wax. (Black seed.) One of the best as a snap-short or shelled in the green state. Pkt. 10 cts., qt. 40 cts., peck \$2.50.

Giant Wax. (Red seed.) Pods from 6 to 9 inches long, thick and fleshy, of a pale yellow, waxy color, very productive and tender when full grown. Pkt. 10 cts., qt. 40 cts., peck \$2.75.

Southern Prolific. (Brown seed.) Producing in clusters excellent snap-short beans in 80 days from germination. Vigorous grower, prolific, bearing until killed by frost. Pkt. 10 cts., qt. 40 cts., peck \$2.75.

Horticultural, or Speckled Cranberry. (Speckled seed.) An old favorite; equally good as a snap-short or shelled in the green or dry state. Pkt. 10 cts., qt. 40 cts., peck \$2.50.

White Dutch Case Knife. (White seed.) One of the earliest, used as a shelled bean, green or dry. Pkt. 10 cts., qt. 40 cts., peck \$2.50.

White Dutch Runner. An ornamental variety; large white seed and beautiful clusters of white flowers; good as a shelled bean. Pkt. 10 cts., qt. 40 cts., peck \$2.50.

Scarlet Runner. A great favorite, producing clusters of beautiful scarlet flowers, principally grown for ornament; they can

also be used as a shelled bean. Pkt. 10 cts., qt. 40 cts., peck \$2.50.

Extra Early Lima. A very early variety, bearing beans similar in size and shape to Large Lima. The pods are short, plump, and are borne in clusters in profusion; the yield will be found nearly equal to Large Lima, with advantage of being quite ten days earlier. Pkt. 15 cts., qt. 75 cts.

Large White Lima. One of the best varieties either green or dry. This sort is grown in large quantities for market. Pkt. 10 cts., qt. 40 cts., peck \$2.50.

Dreer's Improved Lima. Very productive and of superior quality; when green they are nearly as large as the Large Lima, thicker, sweeter, more tender and nutritious, remaining green in the pod a long time after maturing. Pkt. 10 cts., qt. 40 cts., peck \$2.75.

DREER'S IMPROVED LIMA.

King of the Garden Lima. A vigorous grower, bearing profusely, large pods, varying in length from 5 to 8 inches. The beans are large and of rich flavor. As the vines grow luxuriantly, two are sufficient to each pole. When not too closely planted they set beans early, and continue bearing until killed by frost. Per pkt. 10 cts., qt. 40 cts., peck \$2.75.

❖ BEETS. ❖

Rothe oder Runkelrübe, GER. Betterave, FR. Acelga ò Remolache, SP.

The soil best suited for Beet culture is that which is rather light and well enriched. Sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand 6 inches apart in rows; continue for a succession as late as the middle of July. The Sugar and Mangel Wurzel varieties are grown for feeding stock, and should be sown from April to June in drills 2 feet apart, and afterwards

BEETS—Continued.

thinned out to stand 1 foot apart in the rows; keep well cultivated. To preserve Beets during the winter select a dry piece of ground and put about 20 bushels in a pile, covering with sufficient earth to keep out the frost.

TABLE BEETS. **ECLIPSE BEET.**

Eclipse. Remarkable for its rapid growth, extreme smallness of top, and extra fine quality. Perfectly smooth and round; skin and flesh intense red; very fine grained and sweet. We consider it an improvement, and worthy of extensive cultivation. An excellent sort for forcing. Per pkt. 5 cts., oz. 15 cts., lb. \$1.00.

IMPROVED LONG BLOOD BEET.

Bastian's Extra Early Red. The perfection of a Beet for the market gardener and family use; very early, of quick, large growth, fine turnip form and bright red color, a good forcing variety. Pkt 5 cts., oz. 10 cts., lb. 75 cts.

Extra Early Bassano. A very early flat variety, tender, juicy; flesh white and rose colored. Pkt. 5 cts., oz. 10 cts., lb. 75 cts.

Egyptian Blood Turnip. One of the earliest, of good quality and medium size, a fine forcing variety, small top. Pkt. 5 cts., oz. 10 cts., lb. 75 cts.

Early Blood Turnip. Not as early as the Egyptian, but of good quality, blood-red, tender, and good for late keeping. Pkt. 5 cts., oz. 10 cts., lb. 75 cts.

Bastian's Half-Long Blood. Of bright color and excellent quality; a valuable variety to follow Bastian's Extra Early; for winter use plant about the middle of July. Pkt. 5 cts., oz. 10 cts., lb. 75 cts.

Pineapple. An excellent half-long variety, foliage dark red, roots of a rich, deep crimson color. Pkt. 5 cts., oz. 15 cts., lb. \$1.25.

Improved Long Blood. A good late variety for fall and winter use, sweet and tender. Pkt. 5 cts., oz. 10 cts., lb. 75 cts.

Swiss Chard. The midrib is stewed and served as Asparagus, and the leaves used as Spinach. Pkt. 5 cts., oz. 10 cts., lb. 75 cts.

SUGAR BEETS AND MANGELS.

Improved Imperial White Sugar. An improvement on the other varieties of Sugar Beets; more hardy and containing a greater percentage of sugar. Pkt. 5 cts., oz. 10 cts., lb. 75 cts.

Lane's Improved White Sugar. This Sugar Beet attains a large size, and grows considerably above the ground; fine for feeding. Cultivated in Europe for its sugar. Pkt. 5 cts., oz. 10 cts., lb. 50 cts.

Golden Tankard Mangel. Considered indispensable by the best dairymen, owing to its productiveness and richness in saccharine matter. Deep yellow flesh and skin. Pkt. 5 cts., oz. 10 cts., lb. 50 cts.

Golden Yellow Mammoth. A long Mangel, resembling in form and size the Red Mammoth; flesh, leaf stalks and midrib of the leaves golden yellow, flesh rich in saccharine matter. This should be grown largely by all interested in dairying, as it will be found extremely rich in all the elements of high feeding. Pkt. 5 cts., oz. 10 cts., lb. 60 cts.

Mammoth Long Red. Grown extensively for agricultural purposes, producing large roots partly above the ground. Pkt. 5 cts., oz. 10 cts., lb. 50 cts.

GOLDEN YELLOW MAMMOTH MANGEL. **GOLDEN TANKARD MANGEL.****Red Globe Mangel.**

A large red oval variety, which keeps well, and produces better crops on shallow soil than the Long Red. Pkt. 5 cts., oz. 10 cts., lb. 50 cts.

Orange Globe Mangel.

The same as the above, only differing in color. Pkt. 5 cts., oz. 10 cts., lb. 50 cts.

Five pound lots of either variety of Mangels, excepting Imperial White Sugar and Golden Mammoth, 40 cts. per lb.

BRUSSELS SPROUTS.

Rosen-Kohl, GER. *Chou de Bruxelles*, FR. *Bretones*, de *Bruselas*, SP.

Produces on the stem small heads resembling miniature Cabbages. The sprouts are used as greens, and become very tender when touched by the frost. Sow in May, and manage as winter Cabbage.

SUTTON'S MATCHLESS.

Sutton's Matchless.

The leaves of this variety are smaller than those of other kinds; are of a pale green color, and stand out well from the stem. The buttons are large and solid and of delicious flavor, and come into proper condition for use two to three weeks ahead of other sorts. Pkt. 10 cts., oz. 40 cts.

Improved Dwarf. A standard variety; producing compact sprouts of fine quality. It seldom fails to produce sprouts and is a good keeper. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 75 cts.

BROCCOLI.

Spargel-Kohl, GR. *Chou-Brocoli*, FR. *Brocoli*, SP.

Produces heads in autumn like a Cauliflower. The

Cape varieties we offer are best adapted to our climate. Sow about the middle of May; transplant in rich soil and manage as winter Cabbage. For an early crop the seed should be sown in a hot-bed and cultivated as early Cauliflower. It succeeds best in a moist soil and cool climate; in the South it can be had in perfection from November to March.

Early Purple Cape. This is the best for the North, producing compact heads, of a brownish purple, and of good flavor. Pkt. 10 cts., oz. 50 cts.

BROCCOLI.

Grange's Autumn White Cape. Not as early as the above; heads large, creamy white; close and certain to head. Pkt. 10 cts., oz. 75 cts.

❖ CABBAGE. ❖

Kopf-Kohl, GER. *Chou Pomme ou Gabus*, FR. *Col 6 Repollo*, SP.

Sow the seed in well-prepared, rich ground, from the 10th to the 25th of September. When the plants are large enough to transplant, prick them out of the seed-bed into cold frames. In planting it is important to set the plants down to the first leaf, so that the stem is all under ground. Protect the plants during severe weather with a covering of glass, give them plenty of air and light during mild weather. The plants are usually set out from the middle of March to the middle of April, in rows about 2 feet apart, and 18 inches in the row. They may also be raised by sowing the seed very early in the spring in hot-beds; after hardening off the plants, set out in deep and well-manured ground. They should be hoed every week. The autumn and winter varieties sow in April or early in May, in shallow drills, 3 or 4 inches apart; transplant early in July, in rows $2\frac{1}{2}$ feet apart, and 2 feet in the row. Cabbage succeeds best in a fresh, rich soil, well manured, and deeply dug or plowed. The late plants are subject to attacks of the cabbage-fly, which destroys them as fast as they appear above ground. Various remedies are recommended for the preservation of the plants, such as sprinkling them with wood-ashes, air-slacked lime, plaster, or tobacco, which should be performed early in the morning while the plants are wet with dew.

EARLY JERSEY WAKEFIELD.

Early Jersey Wakefield. A favorite market gardener's variety; it is very early, of excellent flavor, of good size and sure to head; extra fine selected stock. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Early French Oxheart. A leading variety among the market gardeners, heads very early, tender, and of fine flavor; our seed is selected from extra fine stock. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

Early Paris Market. A few days later than the Early Oxheart, but of larger size and longer in shape; almost without any loose leaves. One of the heaviest croppers among the second early varieties, and of excellent quality. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00.

Early Winnigstadt. A solid and tender variety; good for either early or late; in some sections the best early sort. Desirable for private gardens. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Dreer's Large Early York. A superior early-heading robust sort, which endures the heat well. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

CABBAGE—Continued.

EARLY WINNIGSTADT.

Early Improved Flat Brunswick. The best early Flat Dutch for market gardeners; either as a second early or late sort; short stem, large solid heads; a sure header. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts.

Dreer's Early Drumhead. A favorite with the market gardeners; a second early, large, solid-heading variety, grown with great care for that trade. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

HENDERSON'S EARLY SUMMER.

Henderson's Early Summer. A second early sort, with large solid heads, coming in a few days later than the Wakefield, and rarely bursting open when fully matured. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

ALL SEASONS.

Large Early Jersey Wakefield. An extra selected sort, producing large solid heads, of good quality. It is only a few days later than Early Jersey Wakefield, which it excels in size and ability to stand without bursting open. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.50.

All Seasons. A Drumhead Cabbage equally as early as Henderson's Early Summer, but yielding heads from a third to a half as large again. As a rule the earliest cabbages are only good for early marketing; but the heads of this variety, being large and thick through, make it very desirable, either for extreme early spring or fall use. In richness of flavor it is very superior.

Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.50.

Early Red Dutch Erfurt. Earlier than the Drumhead, but equally as valuable for pickling. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

Red Dutch Drumhead. A large heading variety, fine for pickling. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

LATE DRUMHEAD.

Large Late Drumhead. A favorite winter variety with the market gardener. It bears extra large solid heads, and is a little later than the Flat Dutch. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts.

LARGE LATE FLAT DUTCH.

Large Late Flat Dutch. Short stem and large solid flat heads. Our stock has been carefully selected for several years in order to get a Cabbage of this type, and we are confident no better strain is on the market. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts.

Marblehead Mammoth. A large, solid, tender, free-heading winter variety. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts.

PERFECTION DRUMHEAD SAVOY.

CABBAGE—*Continued.*

Green Curled Savoy. Medium size, heads nearly round, deeply curled and tender. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Perfection Drumhead Savoy. Of superior quality; the largest solid-heading Savoy, possessing the rich flavor of the Cauliflower. Pkt. 10 cts.; oz. 40 cts., $\frac{1}{4}$ lb. \$1.00.

CARDOON.

Kard onen, GER. Cardon, FR. Cardo Hortense, SP.

The stems of the leaves, which are thick and crisp, are the eatable parts, and are generally used in soups or stews, after being blanched in the same manner as Celery. They are in perfection during the autumn and winter. Sow in April in drills 1 inch deep; when one year old transplant in trenches of well-manured ground, 3 feet apart and 1 foot in the rows; the roots remain from year to year.

Large Solid. The best variety. Pkt. 10 cts., oz. 40 cts.

DREER'S SELECTED DWARF ERFURT CAULIFLOWER.

Cauliflower.

Blumen-Kohl, GER. Chou-Fleur, FR. Coliflor, SP.

Sow for early use about the middle of September or October, in a bed of clean rich earth. Transplant in frames and cover with sashes and shutters during severe weather, giving them light and air every mild day. When this is not practicable, they may be had nearly as well, by sowing the seed in a hot-bed in January or February, and when the plants are large enough transplant 3 inches apart in boxes or in another hot-bed, until time to plant out. If hardened off, they are seldom injured by planting out, as early as the ground can be properly prepared, 2 $\frac{1}{2}$ feet apart each way. Keep them well hoed, and bring the earth gradually up to their stems, watering freely in dry weather, and especially when they begin to head. The Cauliflower succeeds best when planted in frames at the close of winter, and brought to maturity before the summer heat sets in. The late varieties mature in the autumn, and are sown and managed similarly to winter Cabbage.

Dreer's Earliest Snow-Storm. The earliest and best of all for forcing. It is dwarf, with short outer leaves, and can be planted 2 feet apart each way; always sure to make large fine heads earlier than any other, and is the market gardener's favorite. This variety must be kept growing constantly, as it will not stand a check at any period of its growth. Pkt. 25 cts., oz. \$6.00.

Dreer's Selected Dwarf Erfurt. One of the earliest in cultivation, small-leaved dwarf, for forcing or open ground, producing very solid pure-white heads of the finest quality; about 15 inches high. Pkt. 25 cts., oz. \$4.00.

Early Dwarf Erfurt. A favorite early market variety, very productive, with large, white, compact heads of good quality. Pkt. 20 cts., oz. \$1.50.

CAULIFLOWER—Continued.

Early Snowball. An extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hot-bed culture. Pkt. 25 cts., oz. \$4.00.

Half Early Paris. One of the popular white sure-heading varieties, either early or late. Pkt. 15 cts., oz. 75 cts.

Algiers. An extra fine late variety, for the market, and sure to head. Pkt. 15 cts., oz. \$1.00.

Lenormand's Short Stem. A large, late, short-stemmed variety, with well-formed white heads, of extra quality. Pkt. 15 cts., oz. 75 cts.

Large Late Walcheren. A good old variety, producing large, firm white heads. Pkt. 10 cts., oz. 75 cts.

Veitch's Autumn Giant. One of the finest late varieties, of robust habit, heads large, compact, and thoroughly protected by the leaves. Pkt. 15 cts., oz. \$1.00.

* CARROTS. *

Möhren, GER. Carotte, FR. Zanahoria, SP.

For an early crop sow as soon as the ground is in working order; for a late crop sow in June and July. The large late varieties are suitable for a main crop. Sow in May and June, in drills about 1 foot apart; thin out to stand 4 inches in the rows. The most suitable ground for Carrots is a rich, deep, sandy loam, deeply cultivated, which has been well manured for previous crops.

GUERANDE, OR OXHEART.

EARLY SHORT HORN
SCARLET.

Early Short Horn Scarlet. The earliest forcing variety, small root and excellent flavor. Pkt. 5 cts., oz. 20 cts., lb. \$1.50.

Early Scarlet Horn. The favorite early red summer variety; fine grained and good flavor. Pkt. 5 cts., oz. 20 cts., lb. \$1.25.

Early Half-Long Scarlet. A desirable variety between the Scarlet Horn and the Long Orange; early, of fine flavor and good color. Pkt. 5 cts., oz. 20 cts., lb. \$1.25.

Early Half-Long Carentan. An excellent scarlet variety, without core, for forcing or the open ground. In flavor and color it will be found desirable for the table. Pkt. 5 cts., oz. 20 cts., lb. \$1.50.

St. Valery Carrot. A desirable sort for private gardens; of rich and attractive color, good size and fine flavor. It is very productive, a good keeper, and will rapidly find its way into favor. Pkt. 10 cts., oz. 25 cts., lb. \$2.50.

DANVERS HALF-LONG.

EARLY SCARLET HORN.

EARLY HALF-LONG
CARENTAN.

IMPROVED LONG ORANGE.

Guerande, or Oxheart. Intermediate between the Danvers Half-Long and Short Horn varieties. Of fine quality, and valuable for family and market gardens, as it is of a bright and attractive color, and adds to its other good qualities that of forcing readily. Pkt. 5 cts., oz. 20 cts., lb. \$1.50.

Danvers Half-Long Scarlet. A rich orange-red variety, very smooth and handsome, producing very large crops. Pkt. 5 cts., oz. 20 cts., lb. \$1.25.

Improved Long Orange. The best late variety, for general field culture. It is an excellent keeper, and

retains its bright orange color during the winter. Our stock of this sort is selected with great care, and will be found first-rate in every respect. Pkt. 5 cts., oz. 20 cts., lb. \$1.00.

Long Scarlet Altringham. A large, good-flavored field variety, for table use or feeding stock. Pkt. 5 cts., oz. 20 cts., lb. 80 cts.

Large White Belgian. Grows one-third above ground, large white roots, with green top, grown almost exclusively for feeding stock. Pkt. 5 cts., oz. 20 cts., lb. 80 cts.

HENDERSON'S HALF DWARF. GOLDEN DWARF. DREER'S WHITE SOLID. WHITE PLUME. BOSTON MARKET.

— CELERY. —

Sellerie, GER. Celeri, FR. Apio, SP.

Sow the last of March or early in April, in an open border, in rich mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off once or twice before planting out, to make them stocky. When the plants are 5 or 6 inches high, transplant, the dwarf varieties 3 feet, and the taller sorts 4 feet between the rows, plants 6 inches apart in the rows. Cultivate well, and when large enough blanch by earthing up. The first operation is that of handling; after the soil has been drawn up with the hoe, it is drawn closer around each plant by the hand, to keep the leaves firm in an upright position and prevent spreading, continuing until it is ready to be finally stored away for the winter. The *Celeriac* swells like a turnip, and may be preserved in sand through the winter. To store for winter use, select well-drained ground, dig trenches 1 foot wide and deep enough to cover the tops of the plants. Pack the stalks in this in an upright position, covering with boards to shed the water, and in severe weather protect with straw or leaves.

Early Arlington. A variety of the Boston market. It is earlier, of larger growth, does not blight as badly, nor run to seed. We consider it desirable for early growing, as it blanches very easily and quickly. It is crisp, solid and has an exquisitely nutty flavor. Per pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Improved Golden Dwarf. A variety of great value. In size it is the same as the Half Dwarf White; the heart is large and full, of a golden yellow, except when blanched. It is solid, of excellent flavor, and keeps well. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Boston Market. This is a short, bushy, white, solid, excellent flavored market variety, constantly increasing in demand. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

White Plume. The stalk and portions of the inner leaves and heart are white, so that by tying them up with matting, or simply drawing up the soil against the plant, the work of blanching is completed; while with all the other kinds of Celery, in addition to this, the slow and troublesome process of high "banking" is a necessity. It far exceeds all the other sorts as an ornament, while its qualities are equal to the very best older sorts, being crisp, solid, and having that nutty flavor peculiar to some of the red kinds. Per pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.00.

Golden Self-Blanching. A fitting companion for the White Plume, as it requires no more labor than that sort. The heart is a rich gold yellow, while the outer leaves are a yellowish white. It is of compact, dwarf habit, an excellent keeper, and of rich, nutty flavor. Pkt. 15 cts., oz. 75 cts.

Henderson's Rose. In this variety we have a combination of the best qualities of Celery. The red sorts far surpass the white in flavor, and possess in their coloring a feature which renders them valuable as a table ornament. This sort should be largely grown, as it is crisp, nutty and of fine color. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Henderson's Half Dwarf White. Solid, crisp and of a fine nutty flavor. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

Dreer's Large White Solid. Large, solid, blanches perfectly white, of fine flavor, crisp and very tender. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

Perfection Heartwell. A large growing variety of excellent flavor, and a creamy white color. In size it is between the Golden Dwarf and White Solid. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Soup, or Flavoring Celery. Used for flavoring pickles, sauces, etc. Oz. 10 cts., $\frac{1}{4}$ lb. 50 cts.

APPLE-SHAPED CELERIAC.

CELERIAC.*Knoll Sellerie, GER. Celeri-kave, FR. Apio-nabo, SP.*

Directions for cultivation same as for Celery, except blanching. Celeriac is cooked and sliced, and used with vinegar, making an excellent salad.

Apple-Shaped. A very fine variety with small leaves. Valuable for market. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Turnip-Rooted. Large Early Erfurt. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

CHERVIL.*Garten Körbel, GER. Cerfeuil, FR. Perifoleo, SP.*

While young and tender, used as a salad, and for seasoning soups, etc. Of a pleasant aromatic taste. Sow in May, in drills 1 foot apart and half an inch deep, thinning out to stand one foot apart in the rows.

Curled, or Double. Extra curled moss. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

CHICORY.

CHICORY.*Cichorie, GER. Chicoree, FR. Archivoria de Cafe, SP.*

Sow in April in drills half an inch deep, in good mellow soil, and cultivate like Carrots. Cut up and dry the roots, roast and grind like coffee. Mix about one-fourth of ground Chicory with the coffee before cooking. The plants can be blanched and used as a salad.

Large Rooted. This variety is grown extensively and is considered the best substitute for coffee. Pkt. 5 cts., oz. 10 cts., lb. \$1.00.

✻ CORN. ✻

SWEET OR SUGAR.*Welschkorn, GER. Mais, FR. Maiz, SP.*

The Sweet or Sugar varieties being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm, and for a succession continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills 3 feet apart each way, covering about half an inch, and thin out to 3 plants to a hill, or plant in rows 4 feet apart, and to stand 8 inches apart in the rows.

The field varieties should be planted 4 feet apart each way, leaving 3 plants to a hill.

LITTLE GEM. STABLER'S EX. EY. ALBANY.

ROSLYN HYBRID.

BLACK MEXICAN.

EVERGREEN.

MARBLEHEAD.

On Corn, remit for postage 12 cents per quart, 6 cts. per pint, when ordered to be sent by mail.

CORN—Continued.

Adams' Extra Early. The hardiest and earliest variety for table use, it can be planted earlier than any other, but is not a Sweet Corn; white, indented grains and short ear. Ear 5 cts., pkt. 10 cts., qt. 20 cts., peck \$1.25.

Cory. An excellent sort, very sweet, and of rich flavor; desirable for private or market gardens, as it adds to its good qualities that of being the very earliest sweet corn grown. Ear 10 cts., pkt. 10 cts., qt. 30 cts., peck \$1.75.

Extra Early Tom Thumb. One of the sweetest and tenderest of the early dwarf varieties, producing a profusion of good-sized ears in two months from time of planting. Ear 5 cts., pkt. 10 cts., qt. 20 cts., peck \$1.25.

Marblehead. Producing ears of good size and very sweet. It bears a close resemblance to the well-known Narragansett. Ear 5 cts., pkt. 10 cts., qt. 25 cts., peck \$1.25.

Crosby's Extra Early. A favorite market variety, very early, productive, ears rather short, and of a rich, sugary flavor. Ear 5 cts., pkt. 10 cts., qt. 20 cts., peck \$1.25.

Early Orange. Very early, and of a beautiful orange color. Ears large, regular, sweet and well flavored. Ear 10 cts., pkt. 10 cts., qt. 25 cts.

Early Minnesota. One of the earliest, habit dwarf, ears small and productive. Ear 5 cts., pkt. 10 cts., qt. 20 cts., peck \$1.25.

Stabler's Extra Early. Of larger size than usual for the early kinds. It is remarkable for fine flavor, sweetness and earliness, and is a desirable gardener's and canning variety. Ear 5 cts., pkt. 10 cts., qt. 25 cts., peck \$1.25.

Albany. This variety is an important acquisition. It has a large, plump, sweet ear, and comes nearly as early as the Tom Thumb. 2 to 3 ears on stalk, kernels large, plump, white and sweet. Ear 5 cts., pkt. 10 cts., qt. 20 cts., peck \$1.50.

Amber Cream. A medium early, vigorous growing variety. The ears are 12 to 16 rowed, white and handsome; it is very prolific, tender and sugary. Ear 10 cts., pkt. 10 cts., qt. 20 cts., peck \$1.25.

Black Mexican. A black grained variety, sweet and tender, must be picked young to avoid a black appearance when cooked. Ear 5 cts., pkt. 10 cts., qt. 20 cts., peck \$1.25.

Egyptian. A fine large variety, somewhat resembling the Evergreen, flavor peculiarly rich and sweet, and of superior quality. Ear 10 cts., pkt. 10 cts., qt. 20 cts., peck \$1.25.

Roslyn Hybrid. A medium late variety, which will yield a heavy crop, producing a large ear, very sweet and delicious. Ear 10 cts., pkt. 10 cts., qt. 25 cts., peck \$1.25.

Triumph. Ear large, productive, flavor rich and sweet; a fine market variety. Ear 10 cts., pkt. 10 cts., qt. 20 cts., peck \$1.25.

Mammoth Sugar. The largest late sort, very productive, of fine flavor. Ear 10 cts., pkt. 10 cts., qt. 20 cts., peck \$1.25.

Stowell's Evergreen. The latest and one of the sweetest, ears large, deep grained, of excellent quality, remaining green longer than any other variety. Ear 10 cts., pkt. 10 cts., qt. 20 cts., peck \$1.25.

Little Gem. A small, late variety, very sweet and luscious, especially adapted for family use. Ear 5 cts., pkt. 10 cts., qt. 25 cts., peck \$1.50.

FIELD CORN (INDIAN).

Compton's Early Yellow. The earliest variety, ripening in 76 days, producing about 100 bushels per acre, ears long, grain medium, bright yellow and flinty; best adapted for mountain regions and north of Pennsylvania. Dozen ears 50 cts., qt. 15 cts., bush. \$1.50.

Cloud's Early Yellow Dent. Early, strong and vigorous, growing from 6 to 8 feet high, producing large, handsome ears, with unusually deep grains. Dozen ears 50 cts., qt. 15 cts., bush. \$1.50.

Early Large White Flint. The old Hominy eight-rowed variety; very early, productive, and of good quality. Dozen ears 50 cts., qt. 15 cts., bush. \$1.50.

Early Yellow Canada, or Flint. A ninety-day corn, frequently used for replanting where the other varieties fail to come up, and then maturing at the same time with the common field varieties; good for northern latitudes. Dozen ears 50 cts., qt. 15 cts., bush. \$1.50.

Golden Beauty. Very large handsome yellow grains. The ears are filled out to the extreme end; the cob is unusually small; it matures very early, and its yield is enormous. Dozen ears 50 cts., qt. 15 cts., bush. \$1.50.

EARLY YELLOW CANADA.

Blount's Prolific White. (Ensilage Corn.) This variety bears 4 to 6 ears per stalk, grain plump and white; it is very productive, and is also considered the best variety for making ensilage. Dozen ears 50 cts., qt. 15 cts., bush. \$1.50.

Leaming Gourd Seed. One of the best and most productive varieties, having very deep grains and hardly any cob. A reliable sort, and one that should be planted largely. Dozen ears 50 cts., qt. 15 cts., bush. \$1.50.

Self-Husking. Ears 10 to 12 inches long, cob very small, grains amber-colored. To its productiveness it adds the peculiar quality of growing out of the husk, thereby rendering the labor of husking very light. Per pkt. 10 cts., per qt. 15 cts., bush. \$2.50.

White Surprise. The best and most productive White Dent Corn; makes splendid meal for family use. Dozen ears 50 cts., qt. 15 cts., bush. \$1.50.

Sweet Fodder Corn. Sow for green fodder broadcast 2 bushels, and in drills, 1 bushel per acre. Bush, \$2.50.

Pearl Pop Corn. The principal variety for popping. Lb. 10 cts., 100 lbs. \$8.00.

White Rice Pop. The best variety for parching. Lb. 10 cts., 100 lbs. \$8.00.

CORN SALAD.
(Fetticus.)

Ackersalat, oder Lammersalat, GER. Mache, FR. Ciononigos ó Ventricost, SP.

Used as a salad throughout the winter and spring, and extensively grown for market. Sow in spring, in drills 1 foot apart; it will mature in 6 to 8 weeks. For winter

Remit for postage for Ears of Field Corn 7 cts. each, or 75 cts. per doz.; Pop Corn, 8 cts. per lb.; Shelled Corn 15 cts. per quart, in addition to price, when ordered to be sent by mail.

CORN SALAD—*Continued.*

and early spring use, sow in drills in August and September. Cover with straw on the approach of winter, the same as Spinach.

CORN SALAD.

Large Seeded. Large leaved, the best variety for market purposes. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

COLLARDS.

COLLARDS.

Blätter-Khol, GER.
Chou-cabus, FR.
Cabu ó Variedad de Col, SP.

Used as a substitute for Cabbage in portions of the South where it is almost impossible to succeed in raising cabbage-heads. Sow from June to August for a succession, and cultivate the same as Cabbage; when large enough transplant in rows 1 foot apart each way, and hoe frequently.

True Georgia, or Creole. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

CUCUMBER.

Gurken, GER. *Concombre*, FR. *Pepino*, SP.

For very early Cucumbers, sow the 1st of April in a hot-bed, upon pieces of sod (grass-side down), so that they can be readily transplanted to the open ground, in rich soil, when danger of frost is over, or protect by hand-glasses. For early use, plant if the weather has become settled and warm in hills about 4 feet apart each way; thin out to four of the strongest plants to each hill, after all danger from insects is over; they succeed best in a warm, moist, rich, loamy soil; continue planting at intervals for a succession. The Cucumbers should be gathered when large enough for use, whether required or not; if left to ripen, it destroys their productiveness. For pickles, plant from June until the middle of July.

Early Cluster. A very early sort, well adapted for forcing or open ground. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Early Frame. A good old popular variety, of medium size, straight, and excellent for table use or pickling when young. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Early Russian. One of the earliest and hardiest; the fruit is small and produced in pairs. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Green Prolific. One of the best pickling varieties, dark green, tender, crisp, very productive, of fine flavor, uniform size, and good for table use. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

IMPROVED EARLY WHITE SPINE.

Improved Early White Spine. The favorite market variety, largely used for forcing, and extensively grown South for shipping North early in the season; of medium to large size, deep green, crisp, fine flavor, and very productive. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Long Green Turkey. The leading long green variety for pickling, of excellent quality and productiveness, fruit dark green, firm and crisp. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Tailby's Hybrid. A hybrid between White Spine and English Prize, retaining the beauty of the long English and hardness of the White Spine; of large size and excellent for market gardeners or family use. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

NICHOL'S MEDIUM GREEN.

Nichol's Medium Green. For early forcing, late sowing for pickling, or for ordinary table use this variety will be found useful. It is of a dark green color, pleasant flavor, and very productive. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

CHINESE LONG-REMAINING GREEN.

Chinese Long-Remaining Green. An excellent sort, combining the size, tenderness and quality of the English Frame varieties. It attains a length of 15 to 20 inches; is of good quality, solid, and has few seeds; medium early. It remains a long time in an edible condition, and can be grown to perfection out of doors. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

GIANT PERA.

Giant Pera. A long, smooth, straight, dark green cucumber, attaining a length of 18 inches. Flesh white, crisp, tender, and free from all bitterness. It requires a rich soil, and to be grown quickly in order to bring it to perfection. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

CUCUMBERS—Continued.

Small Gherkin, or Burr. Also known as the West India or Jerusalem Pickle; used only for pickling while young. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

ENGLISH PRIZE OR FRAME CUCUMBERS.

Leading varieties for forcing, attaining a length of 20 to 30 inches; they can be grown in hot-beds where the temperature does not fall below 65 degrees at night. Sow the seed in small pots about the middle of January; when they have grown to three leaves, plant in a prepared hill of rich loose soil in the centre of a sash. Our packets contain from five to twelve seeds each, according to the variety.

Blue Gown.

Carter's Model.

Champion of England.

Marquis of Lorne (New).

Pearson's Long Gun.

Sion House, Improved.

Telegraph.

Tender and True.

Each, per pkt., 25 cts.

WATER CRESS.

CRESS.

Garten und Brunnen Kresse, GER. *Cresson*, FR. *Mastuerzo ó Lepidio*, SP.

Peppergrass is extensively grown and used as a small salad. Sow thickly in shallow drills, early in the spring and at intervals throughout the season, for a succession, as it soon runs to seed. The Cresses are excellent salad plants. The Water Cress requires a stream of running water, ditch or pond, in which it will grow without care, except at first keeping weeds from interfering with it. It is easily introduced by planting along the margins of ditches or streams, and increases rapidly by the spreading of the roots or from the seed. The leaves are eaten with salt, and are of an agreeable, pungent taste, relished by most people.

Extra Curled, or Peppergrass. Fine flavor, and the best sort for dry soils. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts.

Erfurt Water, True. A perennial aquatic plant, with small oval leaves and prostrate habit. Pkt. 10 cts., oz. 50 cts.

IMPROVED LARGE-LEAVED DANDELION.

DANDELION.

(*Taraxacum Dens-Leonis*.)

Löwenzahn oder Pardeblume, GER. *Pissenlit*, FR. *Amar-go*, SP.

The Dandelion is a hardy perennial plant, resembling Endive, and affords one of the earliest and most healthful

spring greens or salads. The roots, when dried and roasted, are often used as a substitute for coffee. The seed should be sown early in the spring in drills 12 inches apart, about $\frac{1}{4}$ of an inch deep, and thin out to 6 inches in the drills; the following spring it will be fit for use.

Large-Leaved Improved. Used as spring greens or salad. Pkt. 10 cts., oz. 40 cts.

Thick-Leaved, or Cabbaggon. This variety is double the size of the common, and for salad will soon supersede it. Pkt. 10 cts., oz. 50 cts.

EGG-PLANT.

Eierpflanze, GER. *Aubergine*, FR. *Berengena*, SP.

Sow the seed in hot-beds early in March. When 3 inches high pot the young plants, using small pots, and plunge them in the same bed, so that the plants may become stocky. They can be planted out, from the pots, when the season becomes sufficiently warm, in May or June; or they can be transplanted into a second bed to make them strong, until the weather is warm enough to transplant, about 3 feet apart each way, in thoroughly worked and well-enriched soil. Draw the earth up to their stems when about a foot high. Egg-plant seed will not vegetate freely without a strong uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore repeated sowings are sometimes necessary. Care should be observed in cutting the fruit so as not to disturb the roots of the plants.

Early Long Purple. The earliest and hardiest, very productive; fruit from 6 to 10 inches long. Pkt. 10 cts., oz. 30 cts.

New York Improved Large Purple. The leading market variety; large, round, dark purple, free of thorns, excellent and the most productive variety. Pkt. 10 cts., oz. 60 cts.

Black Pekin. Fruit purplish black, round to globular, large, solid, smooth and glossy, very prolific, early, and of fine flavor. Pkt. 10 cts., oz. 60 cts.

NEW YORK IMPROVED EGG-PLANT.

ENDIVE.

Endivien, GER. *Chicoree*, FR. *Endivia ó Escarola*, SP.

Endive is one of the best and most wholesome salads for fall and winter use. Sow in shallow drills in April for early use, or for late use in June or July. When 2 or 3 inches high transplant into good ground, or thin out to 1 foot apart. It requires no special soil or manure, but after being transplanted must be cultivated and kept clear of weeds until it is full grown, when the blanching process begins. This is done by gathering the leaves together into the hand and tying with yarn or bass, to exclude the light and air from the inner leaves, which must be done when quite dry, or they will rot; in three or four weeks they will be sufficiently blanched. At the approach of winter the growing crop may be taken up carefully, with a ball of earth to each plant, and planted close together in a frame or dry cellar, when it can be used during the winter prepared and dressed like a salad.

ENDIVE—*Continued.*

WHITE CURLED ENDIVE.

Broad Leaved Batavian. Leaves broad, light green, nearly plain, used in stews and soups. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Giant Fringed (Oyster Endive). A strong-growing variety with a large white heart and broad stems; the best sort for decorating. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Improved Green Curled. An improvement on the old Green Curled variety. The leaves are finely fringed, of a bright green color, and are tender and crisp. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

White Curled (Self-blanching.) This is the finest white curled variety, grows to a large size, always crisp and very tender. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

HERBS (See pages 37 and 38).

DREER'S IMPERIAL KALE.

KALE (BORECOLE).

Grüner oder Blätter Kohl, GER. Chou Vert, FR. Breton, SP.

The Kales are more hardy than Cabbage, and make excellent greens for winter and spring use, and are improved by frost. Sow from May to June, and cultivate the same as Cabbage. For early spring use sow in September, and protect during winter.

Sea Kale is much esteemed in England, in some parts of which it grows spontaneously. Sow the seed early in the spring, in well-manured and deeply-dug ground, 1 inch deep, and the rows 2 feet apart; thin out to stand 6 inches in the rows; before winter cover with litter or leaves, and the next spring transplant in hills 3 feet apart each way. A supply may be had all winter by planting the roots closely together in a warm cellar before frost.

Dreer's Imperial. A beautiful curled and crimped sort. Of strong, vigorous habit, perfectly hardy, attractive appearance and a bright green color. It is superior to all other sorts, and is undoubtedly the best for private gardens. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

KALE—*Continued.*

Dwarf Curled German. Leaves yellowish-green, finely fringed; sow in September for winter and early spring use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

DWARF CURLED GERMAN KALE.

Norfolk Curled. A favorite among our market gardeners; spreading under good cultivation to 3 feet in diameter; leaves bright green and beautifully curled. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

Dwarf Curled Scotch. Leaves bright green, curled, very tender and fine flavored; an excellent sort for private gardens. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

Tall Red, or Purple Scotch. Foliage of a deep purplish red color, finely fringed and deeply curled; a very pretty decorative plant. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

Sea Kale. Grown for its blanched shoots, which are cooked like Asparagus. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

TALL SCOTCH KALE.

KOHL RABI.

KOHL RABI.

(Turnip-Rooted Cabbage.)

Kohl-Rabi, GER. Chou-Rave, FR. Col de nabo 6 Nabicol, SP.

An intermediate vegetable between the Cabbage and Turnip, and is a favorite in Europe, especially on the continent, where it is extensively grown for feeding cows, as it imparts no unpleasant taste to the milk. Steadily increasing in use in this country. Sow in April, if the weather is favorable, in rows 18 inches apart, and thin out or transplant in rows, 12 inches apart for the Late White, and 8 inches for the Early Vienna varieties, as they are considered difficult to transplant. When 3 to 4 inches in diameter they are fit to eat. For late use sow in June and July.

Earliest Erfurt. A white, tender variety, with a smooth root and very short top; the best variety for out-door culture. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Early White Vienna. Flesh white and tender, a standard sort for market, table use or forcing; very short top. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00.

Early Purple Vienna. Bluish-purple, similar to the above, except in color. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00.

Large Late White. Large white or green, for farm culture, feeding stock or table use. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

GIANT CARENTAN LEEK.

LEEK.*Lauch, GER. Poireau, FR. Puerro, SP.*

The Leek is very hardy, of easy culture, and succeeds best in a light rich soil. The whole plant is edible, and is used in soups, boiled with meat, etc. Considered by many as of more delicate flavor than the Onion. Sow early in April, in drills 1 foot apart, and 1 inch deep. When the plants are 6 to 8 inches high, transplant in a deep rich soil in rows 12 inches apart and 6 inches in the rows, as deep as possible, so that the neck may be covered and blanched; draw the earth to them as they grow. The seed may also be sown in August or September, and the young plants transplanted in the spring.

American. Large, hardy, and of excellent quality. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Giant Carentan. The favorite market variety, large thick stem, of mild flavor and attractive appearance. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Musselburgh. Grows to a very large size, with broad leaves, spreading like a fan; hardy and of excellent quality. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

London Flag. An old and popular sort; one of the hardiest and best for winter use. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

✻ LETTUCE. ✻

Lattich oder, Garten Salat, GER. Laitue, FR. Lechuga, SP.

Lettuce thrives best in rich, moist ground. For the principal early crop sow the seed in September in the open ground; transplant when large enough into cold frames, and protect the plants during the winter in the same manner as early Cabbage; set the plants out early in April, or sow the seed in hot-beds in February or March, and transplant into a sheltered border with a southern exposure. For successive crops, sowing may be made in the open ground as early as the spring opens, and continuing until July. Always thin out well or the plants will not be strong. When wanted as a cut salad sow the seed thickly in rows or broadcast.

Early Curled Silesia. A fine early curled variety which does not head, leaves large, tender and of fine flavor. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

Early Curled Simpson. This does not head, but forms a close, compact mass of leaves; very early, excellent for forcing. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

Boston Curled. Of superior quality; does not form solid heads; fine for early use. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

The above varieties are cut when small for salad, and should be sown thickly for this purpose.

EARLY CABBAGE.

Early Cabbage, or White Butter. A favorite for sowing in the fall; nearly hardy, requires only a slight protection; produces fine well-formed heads. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Early Tennisball. Black seed. Forms a close, hard head, the best forcing sort. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

Boston Market. White seed. Hardy and crisp; the earliest heading variety; one of the best for forcing. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

BOSTON MARKET.

Early Dutch Butter, Spotted. Producing fine large heads of excellent quality, and one of the best forcing and market sorts; also stands the heat well in summer. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Black Seeded Simpson. Produces a compact mass of leaves of a light color, nearly double the size of the ordinary Simpson, standing well the summer heat. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Brown Dutch, or Butter. Very hardy, and one of the best for winter use, requiring but a slight protection of salt hay; fine large solid heads. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Defiance. This we consider one of the very best Lettuces ever offered. It is of fine quality, crisp and tender, and remains in prime condition a long time before going to seed. As a summer variety it will doubtless become a standard sort. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

SILVER BALL.

HANSON.

YELLOW SEEDED BUTTER.

LETTUCE—Continued.

Hanson. A superior curled heading variety, of large size, sweet, tender and crisp, of a beautiful green without and white within, free from any bitter taste, good for summer use or forcing purposes. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Royal Cabbage, or Summer Drumhead. Heads large, crisp, tender, of good flavor, and stands the summer heat well. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

Salamander. An excellent summer variety, forming good sized heads, that stand drought and heat longer without injury than any other sort. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Silver Ball. Silvery white, early; very firm and compact; rich flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Sugar Loaf. Very sweet, of pleasant flavor; does not quickly run to seed, and is of attractive appearance. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Yellow Seeded Butter. A very distinct sort, making a compact yellow head, of excellent flavor, withstands heat well, and remains crisp and tender. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Kingsholm Cos. The finest Cos sort, forming long upright heads of narrow leaves, which are crisp and refreshing, withstanding the summer heat. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Paris White, or Ice Cos. Forming fine, tender and crisp, white heads. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

The Cos varieties should be tied up a week to blanch before cutting.

MARTYNIA.

Gemsenhorn, GER. Cornet, FR. Martina, SP.

The seed pods are used for pickling, when gathered green, young and tender. Sow the seed in the open ground in May, in hills 3 feet apart each way, or in a hot-bed, and afterwards transplant.

Proboscidea. The best for pickling, used the same as Cucumbers. Pkt. 10 cts., oz. 30 cts.

MARTYNIA.

MELONS.

Melons thrive best in a light, rich soil. Plant early in May, when the ground has become warm and dry, in hills 6 feet apart each way for Musk Melons, 8 feet for Water Melons. Previous to sowing the seed, mix a few shovelfuls of well-rotted manure in each hill, and plant in each 12 to 15 seeds; after all danger of the bugs is over, thin out to 3 plants per hill. When about 1 foot long, pinch off the tips to make them branch, as it strengthens the growth of the vines, and makes the fruit mature earlier. Be careful not to plant pumpkins or squashes near them, as they will hybridize. A few hills, for early use, may be had by sowing on pieces of sod in a hot-bed, and when warm enough transplant to open ground.

MUSK MELON (CANTELOUPE).

Melone, GER. Melon Muscade, FR. Melones Muscatel, SP.

JENNY LIND.

NETTED PINEAPPLE.

Jenny Lind. The earliest variety; netted, of small round size, excellent flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Golden Jenny. A small, highly prized early variety: the flavor is not equalled by any other sort. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Green Citron Netted. Medium size, deeply netted, nearly round, flesh thick and of delicious flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Casaba, or Persian. Of extraordinary size, very delicious and fine flavor; usual weight from 10 to 15 pounds; the best prolific, late oval, netted green-fleshed variety. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Vegetable seeds sent postpaid on receipt of retail price. Grass and agricultural seeds by express or freight at purchaser's expense.

MUSK MELONS—Continued.

BALTIMORE.

Baltimore. A green-fleshed Melon, which should be largely grown. It is very productive; of good size, flesh thick and of delicious flavor, and is largely grown by leading market gardeners as being in every way a desirable sort. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

HACKENSACK.

Hackensack. One of the very best market Melons; of large size and attractive appearance. It is very productive, of excellent flavor, and is grown in some sections to the exclusion of all other sorts. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

BAY VIEW.

Bay View. A large oval Melon of the Persian type, of superior quality, thin rind, flesh green, firm and sugary: Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Golden Perfection. A very highly perfumed Melon of exquisite flavor and very sugary. Flesh golden yellow; skin fine netted; size medium. Pkt. 10 cts., oz. 25 cts.

Netted Pineapple, or Nutmeg. An excellent Melon, of medium size, flesh green, firm, juicy, and very sweet. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Surprise. Of good size, very early, prolific, and one of the finest flavored; flesh deep salmon. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

MONTREAL MARKET.

Montreal Market. In size this exceeds all the nutmeg varieties, weighing sometimes thirty pounds. Very uniform in shape; netted, flesh green; quality remarkably good. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Miller Cream. A remarkably good variety, bearing Melons of large size, oblong in shape, and of delicious flavor and very sweet; flesh rich salmon, very thick and solid. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Prescott, or Hardy Ridge. Large, round, somewhat flattened, deeply lobed, flesh very thick, of a rich orange color, sweet and delicious flavor. Pkt. 10 cts., oz. 25 cts.

WATER MELONS.

Wasser-Melone, GER. Melon d'Eau, FR. Sandias 6 Patillas, SP.

Black Spanish. Solid, very thin rind, flesh scarlet, sweet and luscious; a profitable variety for the market gardener. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

Dark Icing. The flavor of this variety cannot be excelled. It is very solid, rind very thin, and highly prized as a shipper; seed white. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Florida Favorite. Of medium size, striped alternately light and dark green, flesh deep red, crisp and deliciously sweet. Earlier than Kolb Gem by two weeks. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Boss. Color dark green, flesh unusually deep scarlet, an excellent shipper. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

FLORIDA FAVORITE.

SPECIAL PRICES ON MUSK AND WATER MELON SEED IN QUANTITIES OF 5 LBS. AND UPWARDS.

WATER MELONS—Continued.

Cuban Queen. One of the largest varieties, ripening to the very centre, heavy cropper, flesh bright red, tender and melting, luscious, crisp, and very sugary. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

KOLB GEM WATER MELON.

Kolb Gem. This Melon grows to a very large size and is an excellent shipper. Of a delicious sugary flavor, bright red flesh, firm and solid. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Mountain Sweet. Early, large, oblong, dark green, thin rind, flesh red, solid, rich and sweet. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

IRON CLAD WATER MELON.

Iron Clad. Of large size, and very solid. The rind, though quite thin, is remarkably strong, thus rendering it an excellent shipping sort. It is of a most delicious flavor, and is not surpassed for productiveness. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Orange. Flesh red, tender and sweet, separating from the rind like an orange. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Pride of Georgia. Dark green; oval, and attains a large size; flesh deep red, crisp and sweet. A good shipper. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Scaly Bark. A very large oblong variety, with a dark tough rind, which has a peculiar scaly appearance, crimson flesh, very solid, remarkably sweet, and an excellent keeper. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Striped Gipsy, or Rattlesnake. An early variety; large, oblong, skin green, mottled and striped, rind thin, flesh crimson, sweet and fine flavored. One of the best shipping sorts. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Volga. A Russian Melon, of excellent quality, perfectly globular in shape, very productive, attaining an average weight of 15 pounds. For private use it should be grown largely, as it is of fine flavor and attractive appearance. The seeds are very small and few in number. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts.

VOLGA WATER MELON.

Colorado Preserving Citron. This variety combines all the best characteristics of a preserving Melon, and often attains a weight of 20 lbs.; flesh white and very firm. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Citron. For preserving only; small, round, flesh white and solid, with red seeds. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

MUSTARD.

Senf, GER. *Moutarde*, FR. *Mostaza*, SP.

A small pungent salad used with Cress; the seed is also used for flavoring pickles, pepper sauce, etc. For salads sow thickly, in shallow drills 6 inches apart, or in frames or boxes during the winter, where frost can be partially excluded; cut when about 2 inches high. For a crop of seed sow in April, in drills 1 foot apart, and thin out when 3 inches high.

White, or Yellow. For salads and flavoring purposes. Oz. 10 cts., lb. 50 cts.

Black, or Brown. More pungent than the white. Oz. 10 cts., lb. 50 cts.

Chinese. Leaves twice the size of the white, more succulent, deeper green, flavor sweet and pungent, and preferable as a salad. Oz. 10 cts., lb. 75 cts.

NASTURTIUM.

(Indian Cress.)

Indianische Kresse, oder Kapuziner, GER. *Capucien grande*, FR. *Capuchina ó Berro Indio*, SP.

Cultivated both for use and ornament. The seed pods, which resemble capers, are gathered while green and tender for pickling. The flowers are of beautiful colors and the leaves are used for mixing with salads. Sow early in the spring, in drills about 1 inch deep, in light rich soil, when all danger of frost is over; train the Tall on brush, trellises, or fences, and grow the Dwarf in beds.

Tall Orange. The most profitable pickling variety. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Dwarf. Beautiful colors; mixed. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts.

SPECIAL PRICES ON MELON SEED IN LOTS OF 5 POUNDS AND UPWARDS.

Mushrooms.

Champignonbrot, GER. Champignon, FR. Seta ó Huevas de Hongos, SP.

The cultivation of this nutritious esculent is a very simple matter and requires only ordinary intelligence and care. The materials needed are fresh horse manure, good soil and live spawn. The manure should not be too short, as it does not combine the necessary qualities. Long strawy litter, plentifully mixed with short manure, makes by far the best beds, as it does not heat too violently, decomposes slowly and retains its heat for a long period. Put in a heap and turn every 3 or 4 days to permit the escape of noxious gases and prevent burning. Manure that has become white or "fire-fanged" and mouldy is worthless for mushroom beds. When ready for use it should not possess an offensive odor and should be as hot as can be borne comfortably by the hand. It should also be moist, for if too dry the decomposition of the mass will be rapid and the bed exhausted before the crop has matured. If a shed or cellar is not available they can be grown in the open air, but the time necessary to perfect a crop will be longer. Make the beds 3 feet wide at the base, 2½ feet high, tapering to 6 inches at the top and of any desired length. The manure, when in proper condition, should be quickly handled to prevent the loss of heat and be beaten down to make the heap firm and compact. When of the desired size the sides should be dressed down neatly and the heap covered with long litter. Allow this to remain till the heat has decreased to 90°. At this point the bed is ready to receive the spawn, which is done by raising the manure with the hand and inserting pieces of spawn 2 inches square, 9 inches apart each way. Liberal use of spawn results in larger crops. Many beds fail to give satisfactory returns owing to the bricks being broken in too small pieces. At the expiration of three days the spawn will have commenced to run, and the bed is in proper condition for covering with soil. Any good, fresh soil will answer, but turfy loam from an old pasture or meadow is preferable. If the soil is poor, add a liberal quantity of bone meal. The earth should be just moist enough to press together nicely. If too wet when put on it is apt to crack and thereby permit the heat to escape instead of permeating the bed evenly. If the soil is light, put on to the depth of two inches, but if heavy one inch will be sufficient. The bed should again be covered with the litter, and it should remain or till the bed is exhausted, only removing it to gather the crop. If the bed shows signs of dryness, water on top of the litter, and not directly on the soil.

Mushrooms can be readily grown in cellars, stables, sheds or pits. The requirements as to manure, soil, etc., are similar, but the season can be prolonged and the temperature regulated more easily than in the open air. Many are successfully grown on a shelf in an ordinary cellar and yield sufficient crop to compensate the grower for his effort. Spent hot-beds also meet the requirements of the mushroom in a large measure. Bits of spawn can be inserted before the bed has become cold between the plants. When the plants are removed keep shaded with long litter and water occasionally if necessary. The space under greenhouse benches or stagings will suit them exactly, using materials in same manner as described. They will also grow admirably on top of the bench, as shown in the illustration, using cloth for shading instead of litter. The time required for a bed to come into bearing is 3 to 6 weeks. In gathering the crop do not cut with a knife, but pull them up with a twisting motion. The spawn we offer is the best French and English. Amateurs and ordinary cultivators will find the English best suited to their needs. Full and explicit instructions are contained in our circular, "How to Grow Mushrooms Successfully," which we will mail free on application.

FRENCH, per lb., 50 cts.; 3 lb. boxes, \$1.25.
ENGLISH, per brick, 20 cts.; \$2.00 per doz.

MUSHROOMS ON GREENHOUSE BENCH.

AGARICUS CAMPESTRIS.

Add 8 cts. per lb. or 16 cts. per brick if to be forwarded by mail.

ONIONS

Zwiebel, GER. Oignon, FR. Cebolla, Sp.

For sets, sow the seeds as early as possible in the spring, very thickly, in drills. As soon as the tops die off in summer, remove them to a dry, airy place; and early in the following spring replant by placing the sets in shallow drills 12 inches apart, and about 4 inches apart in the drills; the Onions, by this process, are obtained of a large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills 1 foot apart, and about $\frac{1}{4}$ inch deep, in March, or early in April, in strong land, well manured, and thinning them out to stand 3 or 4 inches apart in the drills, keeping them well hoed and free from weeds; for this purpose the Red Wethersfield and Yellow Danvers are usually preferred. They delight in a strong, rich, deep, loamy soil, and succeed well if grown successive years on the same ground.

Seed can be sown in August and September, in drills wide enough apart to admit of working, and when they have grown of sufficient size in the spring to be fit for table use thin out to 4 inches apart, to allow the remaining crop to mature large Onions. This plan works admirably in the South, but will not prove successful where the ground freezes deeply or is subject to constant changes of temperature in spring.

EXTRA EARLY RED.

NEW QUEEN.

SILVER SKIN.

Extra Early Red. About ten days earlier than the Wethersfield, and somewhat smaller, close-grained and heavy, of mild flavor and an excellent keeper. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

New Queen. A rapid growing silver-skinned variety, of mild flavor, early, remarkable for its keeping qualities, and excellent for pickling. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 70 cts.

New Pearl. One of the earliest varieties, of a pure white color, mild flavor and attractive appearance. For the South this is a specially desirable sort, as it grows quickly and can be brought early into the market. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts.

White, or Silver Skin. A mild-flavored early variety, extensively grown for pickling, not quite as good a keeper as the Yellow Strasburg. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

YELLOW STRASBURG.

RED WETHERSFIELD.

YELLOW DANVERS.

Yellow Danvers. An excellent early oval, straw-colored variety, of mild flavor, productive, and a good keeper. This and the Yellow Strasburg are the leading sorts for northern markets. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Yellow Strasburg, or Dutch. A leading market variety, a good keeper, and well flavored; of a bright straw-colored skin and somewhat flattened shape. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Large Red Wethersfield. The leading variety of the Eastern States, growing to full size the first season from seed, almost round, large size, deep red color, and keeps well. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Southport Yellow Globe. A very large, handsome globular-shaped, yellow variety, very productive, of mild flavor, excellent keeper. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Southport White Globe. Pure white color, mild flavor, and equally as good for keeping as the yellow sort. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

SOUTHPORT WHITE GLOBE ONION.

SPECIAL PRICES ON ONION SEED IN LOTS OF 5 POUNDS.

ITALIAN OR TRIPOLI ONIONS.

The Italian Onions grow very rapidly and attain large size. They are very attractive in appearance, of delicate flavor, free from strong odor, and are very desirable for early use. They are certain croppers and produce remarkably large Onions from seed the first year. Where other varieties have failed, these have proved very successful.

MAMMOTH SILVER KING.

Mammoth Silver King. This is the largest of the white Italian Onions and attains an enormous size in one season from seed. This sort is deserving of extensive cultivation, and will be found especially serviceable in the family garden, as it is of mild flavor, attractive appearance and form, and a good keeper. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25.

RED BASSANO, OR BROWN GENOA.

Red Bassano, or Brown Genoa. A large, deep-reddish broom variety, resembling somewhat the Bermuda type. It is an excellent sort and should be largely grown, as it will prove a good market variety

OKRA.
(Gombo.)

Essbarer Hibiscus, GER. *Gombo*, FR. *Quimbombo*, SP.

This vegetable is becoming extensively grown. The long young pods of this plant are used in soups, stews, etc., to which they impart a rich flavor and are considered nutritious. Sow the seeds thickly in rich ground about the middle of May, or when the ground has become warm, in drills 3 feet apart and 1 inch deep; thin out to 10 inches apart in the drills. Hoe often, and earth up a little to support the stems. The very young pods can be gathered and dried for winter use.

Improved Dwarf Green. A very desirable sort for market gardeners, as it is very productive, bears long pods, which remain tender a long time and are free from hard ridges. Will attract attention wherever shown. Pkt. 5 cts., $\frac{1}{4}$ lb. 50 cts.

Dreer's Little Gem. The best of the dwarf sorts. Pods long, slender, and of a light green color. They are borne profusely, and retain their tenderness till of good size. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 75 cts.

White Creole (*Syn. White Velvet*). This variety is largely grown in the South, and is preferred by many to the green-podded sorts, as it is considered to be more tender and of better flavor. The pods are perfectly round, free from ridges, and are soft and velvety to the touch. They are of unusual size, and of a creamy white color. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

owing to its large size and good keeping qualities. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

Large White Tripoli. An excellent large white variety, of quick growth, mild and pleasant flavor and of a flattened shape. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts.

LARGE WHITE TRIPOLI.

Large Red Tripoli. A large, red, flat Onion, of delicate flavor. Like the other Italian sorts, it is free from strong aroma, and adds to its other good qualities that of keeping well during the winter. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

GARLIC.

ONION SETS AND GARLIC.

Prices subject to change according to market fluctuations. For large quantities prices will be given on application.

White. Qt. 25 cts.; postpaid, 35 cts.

Yellow. Qt. 20 cts.; postpaid, 30 cts.

Shallots. Fine for flavoring. Qt. 30 cts.; postpaid, 40 cts.

GARLIC. Lb. 30 cts.; by mail, postpaid, 38 cts.

IMPROVED DWARF OKRA.

SPECIAL PRICES ON ONION SEED IN 5 LB. LOTS AND UPWARDS.

PARSNIP.*Pastinake*, GER. *Panais*, FR. *Pastinaca* & *Chirivia*, SP.

HOLLOW CROWN

Sow as early in the spring as the weather will admit, in drills 15 inches apart and $\frac{1}{2}$ inch deep, in a rich, deep soil; thin out to 6 inches apart in the rows. The quality of the roots is improved by leaving them in the ground over winter for spring use. Secure enough in pits or cellars for immediate needs. Valuable for feeding stock as well as for table use.

Large Sugar, or Hollow Crown. The best variety; roots long, very smooth, white, tender, sugary, and of excellent flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts.

PARSLEY.*Petersilie*, GER. *Persil*, FR. *Peregil*, SP.

Used for garnishing and seasoning soups, meats, etc. Succeeds best in a mellow, rich soil. Sow thickly early in April, in rows 1 foot apart and $\frac{1}{2}$ inch deep; thin out the plants to stand 6 inches apart in the rows. The seed is slow of germination, taking from three to four weeks to make its appearance, and often failing to come up in dry weather. To assist its coming up quicker, soak the seed a few hours in warm water, or sprout in damp earth, and sow when it swells or bursts.

For winter use protect in a frame or light cellar.

Curled. A good medium curled variety for garnishing and seasoning. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

DWARF EXTRA CURLED.

Dwarf Extra Curled. Leaves tender, crimped and very curly, of a beautiful bright green color, and very ornamental; excellent for garnishing. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Extra Curled Perpetual. A new and distinct variety of unequalled merit, beautifully crimped and curled. It can be cut the year round, as it rarely runs to seed. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts.

Fern Leaved. Nothing better for garnishing could be desired. As a garden decorative plant it is very ornamental. It will stand the winter if covered before frost. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

PEPPER.*Pfeffer*, GER. *Piment*, FR. *Pimiento*, SP.

Peppers are indispensable as a seasoning for soups and meats. The large varieties are mainly used for this purpose and pickling. The mild, sweet varieties, like Golden Dawn and Ruby King, are used for Mangoes, while the small fruited sorts are the best for sauces. Sow in hot beds

PEPPER—Continued.

in March or April, or on a warm sheltered border in May, and when the season is favorable transplant in good, rich, mellow ground, in rows 2 feet apart and 18 inches in the rows; hoe frequently to keep down the weeds, and earth up a little at one or two hoeings.

Celestial. A product of the Flowery Kingdom and one of the most remarkable of the Peppers. The pods are borne upright; are conical in shape, and vary in color from creamy white when unripe to brilliant scarlet when ready for picking. Whether for culinary or decorative purposes, it will be found very useful. Pkt. 10 cts., 3 for 25 cts., oz. 50 cts.

TOMATO-SHAPED.

LARGE SWEET BELL.

Large Sweet Bell, or Mountain. A large early variety, of mild flavor, rind thick and fleshy; the best for pickling and pepper sauce or filled as Mangoes. Pkt. 10 cts., oz. 40 cts.

Golden Dawn. A magnificent yellow Pepper of the bell class; mild and sweet; remarkably productive. Pkt. 10 cts., oz. 40 cts.

JAPAN CLUSTER.

Japan Cluster. A new and very desirable Pepper, bearing its fruit in bunches. A single plant makes a very pretty effect. For ribboning it will be found very useful, as its brilliant scarlet fruit, which ripens early in the season, makes a charming contrast with its deep green leaves. Pkt. 10 cts., oz. 50 cts.

PEPPER—Continued.

Ruby King. Bright crimson scarlet, large, bell-shaped pods. A good variety for mangoes or pickling, as it is not too fiery. A productive sort. Pkt. 10 cts., oz. 50 cts.

Red Cherry. A beautiful ornamental variety, fruit round, of a rich glossy scarlet color, very hot and used for seasoning. Pkt. 10 cts., oz. 40 cts.

Tomato, or Squash-Shaped. A productive variety, of large size, somewhat flattened, and hotter than the above; fine for pickling or sauce. Pkt. 10 cts., oz. 40 cts.

Small Chili. Red conical pods about 2 inches long, very hot and prolific; used for seasoning and sauces. Pkt. 10 cts., oz. 40 cts.

LONG CAYENNE.

Long Red Cayenne. From 3 to 4 inches long, of a bright red color, very productive and hot. Pkt. 10 cts., oz. 40 cts.

DREER'S EUREKA EXTRA EARLY.

LIGHTNING.

IMPROVED DANIEL O'ROURKE.

✧ PEAS. ✧

Erbsen, GER. Pois, FR. Guisante, SP.

Peas mature earliest in a light, rich soil; for a general crop, a rich deep loam, or inclining to clay, is the best. When grown for a market crop sow in single rows, 1 inch apart and 2 to 3 inches deep, the rows from 2 to 4 feet apart, according to the variety. When grown in gardens sow in double rows, 6 to 8 inches apart, the tall ones requiring brush. Commence sowing the extra early varieties as early as the ground can be worked in February or March, continue for a succession every two weeks until June, then discontinuing until the middle of August, when a good crop may be secured by sowing the extra early and early sorts for fall use. They should be kept clean, and earthed up twice during growth. The wrinkled varieties are not as hardy as the small hard sorts, and if planted early should have a dry soil, or they are liable to rot in the ground; they are, however, the sweetest and best flavored varieties. The dwarf varieties are best suited from their habit for small gardens or for forcing, and can be planted in rows 1 foot apart.

Dreer's Eureka Extra Early. The earliest and most prolific variety. This sort has given the best results wherever grown and is a standard for earliness and quality. It is an even cropper and can be gathered clean in two pickings. This is an important item when the space is wanted for repeated cropping. For a late fall crop it has few equals, and is the market gardener's favorite for all seasons; height, 20 inches. Pkt. 10 cts., qt. 30 cts., peck \$2.00.

Improved Daniel O'Rourke. An old but very valuable sort for market gardeners and private use. Of good flavor, productive, and very early. Pkt. 10 cts., qt. 25 cts., peck \$1.75.

Philadelphia Extra Early. An extra early sort; of good quality and very prolific; height, 2 feet. Pkt. 10 cts., qt. 25 cts., peck \$1.75.

Lightning. A very early Pea bearing in great profusion long well-filled pods usually in pairs. The Peas are of a bright green color, well flavored, sweet, and of good size. The plants present an attractive appearance, as they are completely studded with Peas early in the season. For early use in private or market gardens this sort will prove an acquisition; height, 2 feet. Pkt. 10 cts., qt. 30 cts.

Alaska. An extra early round pea resembling Kentish Invicta. Of good flavor and color, and bearing pods of a dark green color, which are well filled and ripen uniformly. Height, 2 feet. Pkt. 10 cts., qt. 30 cts., peck \$2.00.

Tom Thumb. Very dwarf, not exceeding 10 inches in height; productive, very early and of excellent quality. Pkt. 10 cts., qt. 30 cts., peck \$2.00.

Add for postage on Peas 15 cts. per quart, 8 cts. per pint. Packets are sent postpaid on receipt of price.

PEAS—Continued.

AMERICAN WONDER.

American Wonder. The earliest wrinkled variety in cultivation; in productiveness, flavor and quality it is unsurpassed. It is of dwarf and robust habit, growing from 10 to 12 inches high. Peas planted in June mature in 33 days. Pkt. 10 cts., qt. 30 cts., peck \$2.25.

McLean's Little Gem. A dwarf first early, green-wrinkled marrow, very prolific, and of superior flavor; 1 foot. Pkt. 10 cts., qt. 30 cts., peck \$2.00.

Kentish Invicta. A productive variety, ripening all together, of excellent flavor; a very good market variety; 2 feet. Pkt. 10 cts., qt. 30 cts., peck \$2.00.

Rural New Yorker. Early, productive, and uniform in ripening. It grows about 20 inches high, and is quite similar to our Philadelphia Extra Early. Pkt. 10 cts., qt. 30 cts., peck \$2.00.

SECOND EARLY VARIETIES.

Bliss's Abundance. Pods 3 to 3½ inches long, round and well filled, containing 6 to 8 large wrinkled peas of excellent quality. It ripens about one week after the earliest kinds. 6 to 8 inches apart in the rows is the nearest that the plants should stand; 1½ feet. Pkt. 10 cts., qt. 30 cts., peck \$2.25.

Laxton's Alpha. One of the earliest wrinkled marrows; a prolific variety, of fine flavor; pods large and well filled; 3 feet. Pkt. 10 cts., qt. 30 cts., peck \$2.00.

Extra Early Premium Gem. A fine flavored dwarf, wrinkled variety; pods long, dark green and prolific; 18 inches. Pkt. 10 cts., qt. 30 cts., peck \$2.00.

McLean's Advancer. A fine early market variety, prolific, well filled long pods, tender, and of delicious flavor; 2 feet. Pkt. 10 cts., qt. 30 cts., peck \$2.00.

BLISS'S ABUNDANCE.

PRIDE OF THE MARKET.

Pride of the Market. A medium early dwarf pea of vigorous habit and very productive. The pods are large, of a medium green color, and contain 7 to 9 peas of fine quality. This variety will doubtless come rapidly into favor. Height 1½ feet. Pkt. 10 cts., qt. 30 cts., peck \$2.00.

SUMMER AND LATE VARIETIES.

STRATAGEM.

Stratagem. A green, wrinkled marrow, producing numerous pods of large size peas of excellent quality. A superior variety that cannot be too highly recommended; 2½ feet. Pkt. 10 cts., qt. 40 cts., peck \$2.75.

Blue Imperial. A favorite summer, market gardener's variety; good bearer, and of fine flavor; 3 feet. Pkt. 10 cts., qt. 25 cts., peck \$1.75.

Champion of England. One of the best and most popular wrinkled varieties in cultivation, of delicious flavor; a profuse bearer; 5 feet. Pkt. 10 cts., qt. 25 cts., peck \$1.75.

Yorkshire Hero. A splendid wrinkled marrow for market and kitchen gardens; of branching habit, abundant cropper, and excellent quality; 2½ feet. Pkt. 10 cts., qt. 30 cts., peck \$2.00.

Add for postage on Peas 15 cts. per quart, 8 cts. per pint. Packets are sent postpaid on receipt of price.

PEAS.—Continued.

TELEPHONE.

Everbearing (Bliss). A first-class pea for summer and autumn use, pods 3 to 4 inches long, and contain 6 to 8 peas of a rich flavor, very sweet and tender. Owing to its remarkable branching habit it remains in bearing an unusually long time; 2 feet.
Pkt. 10 cts., qt. 40 cts., peck \$2.00.

Telephone. Immensely productive, of the finest quality, and excellent sugary flavor; vines very strong, averaging 18 to 20 pods per stalk; the pods are of large size and closely packed with large delicious peas; 4 feet.
Pkt. 10 cts., qt. 40 cts., peck \$2.75.

Walker's Perpetual. A late variety bearing pods unusually large and well filled with large peas of excellent quality. We consider it an excellent sort for late summer use as it does not mildew, and can be relied on for a crop.
Pkt. 10 cts., qt. 40 cts., peck \$2.00.

Large White Marrowfat. A favorite variety; large well-filled pods; 5 feet.
Pkt. 10 cts., qt. 20 cts., peck \$1.00.

Black-Eyed Marrowfat. This and the White Marrowfat are extensively grown as field peas, as they are hardy, productive, and bear well-filled pods; 4 feet.
Pkt. 10 cts., qt. 20 cts., peck \$1.00.

Dwarf White Sugar. Edible pods, fine flavor; used like Snap-Short Beans; 2 feet. Pkt. 10 cts., qt. 50 cts.

Tall White Sugar. Large, long edible pods; used like the Dwarf Sugar; 5 feet. Pkt. 10 cts., qt. 50 cts.

Early Dwarf Wrinkled Sugar. A French wrinkled variety, with edible pods; 2½ feet.
Pkt. 10 cts., qt. 50 cts.

Dwarf Gray Seeded Sugar. Similar to above variety, except in height, which is only 2 feet.
Pkt. 10 cts., qt. 50 cts.

Tall Gray Seeded Sugar. Purple blossom, edible pods; used as above; 5 feet. Pkt. 10 cts., qt. 50 cts.

POTATOES.

Kartoffel, GER. Pomme de Terre, FR. Potata 6 Papas, SP.

The soil best suited to the Potato is a rich, sandy loam, but it seems to thrive in almost any soil or climate. The potato being a gross feeder, requires a liberal application of manure; if stable manure is to be used, it should be well rotted, and not allowed to come in contact with the tubers. On no other crop are the results from the use of phosphates so manifest as on the potato; almost invariably the tubers are smoother, brighter, and freer from rust and the destructive influence of wire worms. The best fertilizers are plaster, lime, super-phosphate of lime, and bone-dust, for heavy and wet soils especially, as they promote growth and at the same time prevent disease. Plant as early in the spring as the ground can be thoroughly worked, in rows 3 feet apart and 1 foot in the row; covering in light, warm soil about 4 inches, and in cold, wet ground 3 inches deep; draw the earth to the plants as they advance in growth. If an early crop is desired, sprout the tubers, or cut potatoes, in a light warm room, from four to six weeks before planting, then lift carefully and plant out; by this process shoots are obtained that, as soon as planted out in the open ground, will send out roots, and grow more rapidly than if treated in the ordinary way. The soil should be constantly stirred through the season to prevent the surface from baking. Many seem to consider it harmful, after the potatoes have set, to disturb the soil in any way; this is contradicted by the experience of the best growers, who run the cultivator until the vines are dead. In some sections "flat culture" is preferred to "ridging," especially where droughts prevail, or the soil is very loose and sandy.

For seed potatoes, select well-formed tubers of good size. Some growers cut to one eye, leaving as large a piece as possible attached. About 8 bushels are required by this method to properly seed an acre.

Many successful growers plant medium size potatoes whole, maintaining that, though there is an increase in small potatoes, there is a corresponding increase of marketable stock. That this is borne out by results the following table, which has been made from careful competitive trials, will show. Taking 100 as a basis, the account stands: Whole Potatoes, large, 100 per cent.; Whole Potatoes, small, 79 per cent.; Single eye, 36.16 per cent.

Some growers cut their seed in halves lengthwise, while others cut them in quarters, both using large potatoes. Under ordinary cultivation the process of cutting to a single eye is to be deprecated, for the young plants, not having sufficient nutriment, often start off weak, while many fail to grow at all. By using larger seed the vines grow more vigorously at the start and are better able to stand the changes of the season and yield satisfactory returns. More seed is required per acre for planting, but the crop will be in every way more satisfactory and profitable.

If the Colorado Beetle makes its appearance the vines should be dusted with Paris Green thoroughly mixed with fifty parts of plaster, and applied while the dew is on the plants, with a Paris Green bellows or duster. Slug Shot is also a very convenient and efficient remedy for the Potato Bug.

BEAUTY OF HEBRON.

Beauty of Hebron. A little earlier than Early Rose, very productive, of excellent quality, white fleshed, and will yield at least a quarter more; a good keeper.
Peck 50 cts., bush. \$1.75, bbl. \$4.00.

Burbank's Seedling. A white-skinned, medium early variety, with few eyes; flesh fine grained and of excellent flavor; producing a large crop of marketable potatoes. Peck 50 cts., bush. \$1.50, bbl. \$3.75.

Clark's No. 1. An early sort resembling Early Rose, but considered more prolific. It cooks mealy, is of excellent flavor, of first quality, and is a profitable variety for the farmer or market gardener.
Peck 50 cts., bush. \$1.75, bbl. \$4.00.

Potatoes are forwarded by express or freight as directed, purchaser paying charges. We use our discretion in regard to time of shipment, as frequently, when orders are received, the weather for a week at a time will not permit safe delivery.

POTATOES—Continued.

Chas. Downing. A new potato having sterling merit, hardy and productive, and possessing the highest quality for eating. Although early in ripening it is a good keeper. Medium size, slightly flattened oval shape, light lemon color, with smooth skin. Eyes few, small, and nearly even with the surface. Peck 60 cts., bush. \$2.00, bbl. \$4.75.

EARLY OHIO.

Early Ohio. A seedling of the Early Rose, ripens about a week earlier. It is round and oblong in shape, of vigorous growth, and excellent quality. Peck 50 cts., bush. \$1.75, bbl. \$4.00.

EMPIRE STATE.

Empire State. An excellent potato that bids fair to become a leading sort. Skin smooth, white; eyes close to the surface, flesh pure white, and cooks dry and mealy. A heavy cropper; produces very few small tubers. Per peck, 60 cts., bush. \$2.00, bbl. \$4.00.

PEARL OF SAVOY.

Pearl of Savoy. The tubers are oblong, fair, and of large size, pearly white flesh, which cooks dry and mealy; 15 days earlier than Early Rose, and very productive and a good keeper. Peck 60 cts., bush. \$2.00, bbl. \$4.00.

STATE OF MAINE.

State of Maine. A cross between Early Vermont and Peerless; medium early, excellent flavor, cooks dry, is a good keeper, and very productive. Peck 75 cts., bush. \$2.00, bbl. \$4.50.

Early Rose, Prince Edward Island. A leading variety for earliness, quality and productiveness. The stock we offer is the best Prince Edward Island. Peck 50 cts., bush. \$1.60, bbl. \$3.75.

Mammoth Pearl. A medium late variety which has become a favorite. Of good quality, handsome appearance, free from rot, never hollow; skin and flesh white; cooks like a ball of flour; very productive and good keeper. Peck 50 cts., bush. \$1.75, bbl. \$4.00.

WHITE STAR.

White Star. A medium early variety of the very best quality and appearance. Baked or boiled, its color, floury texture and delicious flavor are unsurpassed. Large, oblong, uniform-sized tubers, remarkably productive; of excellent keeping qualities. Peck 50 cts., bush. \$1.75, bbl. \$4.00.

At the above prices, express and freight charges are to be paid by the purchaser.

As the price of Potatoes is governed by the market, the above quotations are but nominal, but are believed to be about the prices that will rule in the spring. Special quotations for large quantities, or varieties not listed, will be given on application. Our Potatoes are all carefully selected and grown from the best Northern Stock.

SWEET POTATOES.

Yellow Nansemond. A short, thick variety, very productive, and considered the best for general culture. Peck 60 cts., bush. \$2.00, bbl. \$4.00.

Red Nansemond. Short, thick, and of good flavor, largely grown in some sections in preference to the yellow sorts, and considered by some as more hardy. Peck 60 cts., bush. \$2.00, bbl. \$4.00.

LARGE CHEESE PUMPKIN.

PUMPKIN.

Kürbis, GER. Potiron, FR. Calabaza, SP.

Sow in good soil in May, when the ground has become warm, in hills 8 or 10 feet apart each way, or in fields of Corn about every fourth hill; plant at the same time with the Corn; always avoid planting near other vines, as they will hybridize. The Cashaw is generally preferred for cooking and making pies.

Cashaw. Long, yellow crook-neck, similar to the Crook-neck Winter Squash; the best for table use or feeding stock; flesh yellow, solid, fine-grained, and sweet. Pkt. 5 cts., oz. 10 cts., lb. \$1.00.

Large Cheese. One of the best for table use, productive, skin orange, flesh yellow and sweet. Pkt. 5 cts., oz. 10 cts., lb. 60 cts.

Large Tours, or Mammoth. A productive variety, which grows to an immense size, often weighing over a hundred pounds. Pkt. 5 cts., lb. 20 cts., lb. \$2.00.

Connecticut, or Large Common Yellow Field. A very productive, large yellow variety, and grown principally for feeding stock. Oz. 5 cts., qt. 25 cts., bush. \$5.00.

The barrels we ship Potatoes in are full diameter and standard measure; and we guarantee every barrel when put up to weigh 165 lbs., net.

RADISHES.

Rettig, oder Radieschen, GER. Radis, Rave, petite et longue, FR. Rabano, SP.

Radishes thrive best in a light, rich, mellow soil, and to bring out their mild qualities they must make a quick and tender growth; heavy or clayey soils not only delay their growth, but produce a much inferior crop in appearance and flavor. Sow for very early use in hot-beds during the winter and early spring, or later on in sheltered borders, in well-manured, deeply dug, and finely raked soil; if not well stimulated into a rapid growth, they become fibrous and tough; sow in drills 10 inches apart, and thin to 2 inches in the rows. Sow at intervals of two or three weeks until September for a succession. As soon as the first leaves appear, sprinkle with soot, wood ashes, or air-slaked lime, to save them from the little black, Cabbage and Turnip fly. Slug Shot is a positive remedy for the black, Cabbage and Turnip fly, and can be confidently recommended for that purpose. The winter varieties should be sown in July and August; like the Turnip they make the best growth in the autumn, and must be taken up before severe frost, and stored away in a cool cellar in sand, or a pit, where they will keep tender and crisp all winter; before using put in cold water, which adds to their freshness.

FIREBALL.

Fireball. One of the finest forcing Radishes yet offered. Of rapid growth and extremely small top. Brilliant scarlet color, crisp, tender, and of mild flavor. Useful only as a forcing variety or for early spring use.

Pkt. 5 cts., oz. 10 cts.,
¼ lb. 30 cts.

Round Red Forcing. One of the earliest and best of the Turnip varieties for forcing; very short-leaved, small top; color of skin dark red, white-fleshed, with very small tap-root.

Pkt. 5 cts., oz. 10 cts.,
¼ lb. 30 cts.

Round White Forcing. Similar to the above in every respect, except its white skin.

Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts.

Early Scarlet Turnip. A small, round, scarlet turnip-shaped, small top variety, of quick growth, mild and crisp when young. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts.

Early White Turnip. Like the above, except of a white color. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts.

BECKERT'S CHARTIER.

LONG WHITE NAPLES.

Wood's Early Frame. This sort occupies the same position among the long as Fireball does among the Turnip varieties. Top very small, bright salmon color, and several days earlier than Long Scarlet. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts.

Early French Breakfast. Oblong shape, rapid growth, very mild and tender, of a beautiful scarlet color, tipped with white. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts.

Long Scarlet Short Top, or Salmon. The standard family and market gardener's variety; long, bright scarlet, with small top. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts.

EARLY RED TURNIP.

EARLY FRENCH BREAKFAST.

Early Scarlet Olive Shaped. Of oblong shape, rose-colored flesh, tender and excellent. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts.

SUMMER AND WINTER VARIETIES.

Beckert's Chartier. A very attractive sort, and one that should have an extensive trial. Color bright salmon scarlet, shading to white as it approaches maturity. It is very crisp, tender, and of mild and pleasant flavor. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts.

Large White Summer Turnip. The market gardener's favorite; large turnip-shaped, white, very crisp and mild. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts.

Large Yellow Summer Turnip. Like the above, except in color. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts.

LARGE WHITE SUMMER TURNIP.

Long White Naples Summer. An excellent long variety, flesh white, crisp and mild. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts.

Long Black Spanish Winter. A large, long variety, one of the hardest, firm in texture, keeping until spring. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts.

Round Black Spanish Winter. Like the above, except round in form. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts.

Large White Spanish Winter. Of milder flavor than the black varieties. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts.

Scarlet China Winter. One of the best fall and winter varieties, a favorite with the market gardeners; bright rose-color, flesh white, firm, and of superior quality. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts.

See list of Novelties for description of the three best forcing Radishes.

RADISHES—Continued.

California White Winter. A mammoth variety, growing 12 inches long, white-fleshed, firm, and of excellent quality. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts.

WHITE STRASBURG.

White Strasburg. Though not a new variety, it is one that should be more largely grown. The roots are oblong, of a pure white color, very brittle, and of a mild flavor. For summer and fall use this sort will be found very desirable.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

RHUBARB.

Rhabarber, GER. *Rhubarbe*, FR. *Ruibarbo Bastardo*, SP.

RHUBARB.

The stalks of this plant are used for pies and tarts. Sow in April, in drills 1 foot apart; when 3 or 4 inches high, thin out in the rows to 10 inches apart, and transplant the ensuing autumn or spring to any desired situation, in a deep, rich soil. The ground must be dug and heavily manured, at least 2 feet deep. Set out the roots 3 feet apart each way, and the following spring it will be fit for use. In the fall the bed should have a thick dressing of coarse manure, which is to be dug into the ground in the spring. We recommend those who desire a choice article to procure the roots, which can be set out either in the fall or spring as above described.

Linnaeus. Early, large, tender, and very fine.

Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Victoria. Very large; the finest cooking variety. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Strong Roots 25 cts. each, \$2.50 per doz.

SORREL.

Sauerampfer, GER. *Oscuite*, FR. *Acedera*, SP.

Sow in April, in a rich, mellow soil, in shallow drills 12 inches apart, and thin out the plants to 6 inches apart in the rows, keeping the flower stems cut off as they appear. It remains in the ground from year to year. The leaves possess a pleasant acid taste; cook like Spinach; also good to mix with salads, to which it imparts an agreeable flavor.

Large Leaved Garden. Cultivated for its acidity and much used in salads.

Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

SPINACH.

Spinate, GER. *Epinard*, FR. *Espinaca*, SP.

This is an important market gardener's crop, of easy culture. For spring and summer use, sow either broadcast or in drills 1 foot apart and 1 inch deep, as early as the ground can be worked, and every two weeks for a succession. For winter and early spring use, sow in September, in well-manured ground; cover with straw on the approach of severe cold weather. The ground cannot be too rich; the stronger the ground the more delicate and succulent will be the leaves. Sow the New Zealand variety in hills

3 feet apart each way, planting three or four seeds to the hill, or they can be started in heat and transplanted; it can be cut for use all summer.

DREER'S SAVOY.

Dreer's Round Seeded Savoy. The hardiest large Savoy Leaved; curled and crimped, with thick, fleshy leaves, the best for family and market purposes, and the best of all sorts for fall sowing.

Pkt. 5 cts., oz. 10 cts., lb. 40 cts.

Long Standing Round Seeded. A new large, crimped, thick fleshy Savoy Leaved variety; will stand two weeks longer than any other sort before shooting to seed; the best for spring sowing, on account of seeding so late. Pkt. 5 cts., oz. 10 cts., lb. 40 cts.

LONG STANDING.

Prickly Seeded, or Fall. The hardiest variety; having smaller leaves, is not so productive as the above sorts. Pkt. 5 cts., oz. 10 cts., lb. 40 cts.

New Zealand. This variety endures heat and drought, and is the best for summer use; produces a large quantity of leaves throughout the season.

Pkt. 5 cts., oz. 15 cts., lb. \$1.00.

SALISFY.
(Oyster Plant.)

Haferwurzel oder Bocksart, GER. *Salsify*, FR. *Ostra Vegetal*, *o Barba Cabruna*, SP.

SALSIFY.

A fine vegetable, used and served as Carrots; or, after being boiled, made into cakes and fried like oysters, which they resemble in flavor. Cultivate the same as Carrots and Parsnips; it is hardy, can remain in the ground all winter for early spring use, but should be taken up before it starts growing; take up a supply to use during the winter. Succeeds best in a light, well-enriched, mellow soil. Sow early in the spring in drills 15 inches apart, 1 inch deep, and thin out to 6 inches apart in the rows.

Long White. The favorite market variety, and the best flavored.

Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

Long Black, or Scorzonera. Resembling the above; scrape off the coarse rind, and soak the roots a few hours in cold water before cooking, to extract their bitter taste.

Pkt. 5 cts., oz. 25 cts.

Mammoth Sandwich Island. This variety came from the Sandwich Islands, and grows here to a very large size, and resembles a good sized parsnip. It is very mild and delicate flavored and should become popular. Pkt. 10 cts., oz. 50 cts.

Squashes.

Küchenkürbis, GER. Courge, FR. Calabasa Tontanera ó Cidracayote, SP.

Squashes should be planted in a warm, light, rich soil, after the weather has become settled and warm, about the middle of May or June. Plant in well-mannered hills, in the same manner as Cucumbers and Melons—the bush varieties 3 or 4 feet apart each way, and the running kinds from 6 to 8 feet. Eight to ten seeds should be sown in each hill, thinning out, after they have attained their rough leaves, and danger from bugs is over, leaving three or four of the strongest plants per hill.

EARLY SORTS.

Early White Bush. The best early variety for market or shipping; it grows to a large size, scalloped like a Patty-pan, and bearing an abundant crop.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

Early Golden Bush. Like the above, only of a golden color. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

Yellow Crook Neck. Early, productive, and of good quality; skin orange-yellow, covered with warty excrescences. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

The above three kinds are for summer use, and should be used when the skin is tender.

VEGETABLE MARROW.

FALL AND WINTER SORTS.

American Turban. Flesh orange yellow; thick, fine-grained, and of a good flavor; an excellent variety for fall and early winter use.

Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Boston Marrow. About ten days later than the Bush varieties; a good keeper, of excellent flavor, flesh orange colored and fine grained.

Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Butman. This variety is fine grained, dry, and of excellent flavor, having all the good qualities of the Hubbard and summer varieties combined.

Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

BRAZILIAN SUGAR.

SUMMER AND FALL SORTS.

Brazilian Sugar. A delicate and rich flavored variety that will become a standard sort for summer and autumn use. The flesh is light yellow, fine grained and sweet. They weigh on an average 3 pounds, and will keep well into winter.

Pkt. 5 cts., oz. 15 cts. $\frac{1}{4}$ lb. 50 cts.

EARLY PROLIFIC MARROW.

Early Prolific Marrow. For fall and winter this is a very desirable sort, as it is early and productive—the two most important features for the market gardener; while its good cooking and keeping qualities, together with its attractive brilliant orange-red color, make it popular with the consumer.

Pkt. 10 cts., oz. 25 cts. $\frac{1}{4}$ lb. 60 cts.

Vegetable Marrow. A delicious English sort; skin greenish yellow, flesh white, soft, and of a rich flavor; a heavy cropper, quite distinct from the other sorts.

Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

ESSEX HYBRID.

Essex Hybrid. A valuable fall and winter Squash. Very prolific, fine grained orange-red flesh, very sweet and dry, and fills all the requirements of a first-class Squash. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Hubbard. A general favorite, and one of the best late table varieties; of large size, flesh fine grained, dry, and of excellent flavor.

Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Marblehead. Resembling the Hubbard, but of a lighter color, and is remarkable for its sweetness, dryness, and delicious flavor, as well as its keeping qualities.

Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Pine Apple. A fall and winter variety of excellent quality. Flesh creamy white, fine grained and of a rich flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Winter Crookneck. One of the best sorts for winter use, as it is an excellent keeping variety. Largely grown in New England and Canada. Flesh bright yellow; of fine flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

SQUASHES—Continued.

MAMMOTH CHILI.

Mammoth Chili. Rich orange-yellow, flesh thick, and of good quality for making pies. This quality grows to an enormous size, specimens frequently attaining the weight of 225 lbs. A valuable sort for feeding stock. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

PINE APPLE.

Perfect Gem. This Squash possesses the excellent qualities of both the summer and winter varieties combined, and can be used for either purpose. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

PERFECT GEM.

TOMATOES.

Liebesapfel, GER. Tomato, FR. Tomate, SP.

For early plants sow in hot-beds early in March, in drills 5 inches apart and $\frac{1}{4}$ inch deep; when the plants are about 2 inches high, transplant into another hot-bed 4 inches apart each way; plant out in the open ground early in May, or as soon as danger from frost is over, 4 feet apart each way in hills, which should have a shovelful of well-rotted manure mixed with the soil. Water freely at time of transplanting; when the first fruit is set, pinch off the ends of the branches to obtain early fruit. Sufficient plants for a small garden can be grown in a shallow box or a large flower-pot, by placing it in a sunny window of a warm room or kitchen. For late use, sow in a sheltered border in May, and set out the plants in July: the green fruit can be picked off before frost and ripened under glass. By training the Tomato vines on trellises or tying to stakes, they will increase in productiveness, the fruit will ripen better and be of finer quality. Our Tomato Seeds are saved with extra care, and cannot fail to be satisfactory.

LIVINGSTON'S BEAUTY TOMATO.

Livingston's Beauty Tomato. Rich glossy crimson with a slight purple tinge; the fruit grows in clusters of 4 to 5; is of large size, very smooth, and retains its character till late in the season. It ripens early and evenly, is free from all sign of rotting, and seldom cracks after a rain. It is very productive, and will yield heavier crops than Acme or other leading sorts. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00.

Acme. This popular variety is one of the best for the family, market or canning; ripens evenly, of medium uniform size, round, very solid, of a pinkish color, and very productive. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

Livingston's Perfection. This variety is larger than the Acme, fully as early, perfectly smooth, solid, almost round, deep red in color, with few seeds, and ripening all through at the same time; a heavy cropper. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

Cardinal. A decided acquisition to our list of superior varieties. The color is a brilliant cardinal red, the flesh being scarcely any lighter. Its shape is uniformly round and smooth, very solid, few seeds, quality the best. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

CARDINAL.

Livingston's Favorite. Smoother than Paragon, does not crack nor rot like Acme, and a darker red than Perfection; ripens evenly and early; very prolific, good flavor, few seeds, flesh solid; bears shipping well. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

TOMATOES—Continued.

Mayflower. This variety is one of the earliest of the large kinds in cultivation, at least one-third larger than the early Acme; of a bright red color, ripens evenly up to the stem, and presents a beautiful appearance, shape globular, slightly flattened, perfectly smooth, flesh solid and unusually free from seeds; of rich flavor, and very productive until killed by frost. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

MAYFLOWER.

Paragon. A second early variety of great merit, producing until the vines are killed by frost; ripens evenly, very solid, of a dark red color and delicious flavor; heavy foliage, therefore it does not sunburn, and is the favorite market and canning variety. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

Optimus. The fruit resembles the Favorite in general appearance, but is more uniform in size and shape and ripens more evenly. The flesh is a bright crimson color and free from hard spots. A desirable canning sort. Pkt. 10 cts., oz. 40 cts.

Golden Queen. A very handsome yellow Tomato; resembles the Paragon in size, solidity, and productiveness. For preserving this sort will be found valuable. Per pkt., 10 cts.; oz., 30 cts.

Mikado Tomato. We consider this one of the finest Tomatoes ever sent out. It is of very large size and fine flavored. For slicing it will be found excellent, as it has few seeds and is very solid. The Tomatoes are borne in clusters of 4 to 7, ripen evenly, and remain firm when fully ripe. Pkt. 10 cts., oz. 40 cts.

OPTIMUS.

Dreer's Selected Trophy. One of the very best in cultivation; our seed is saved only from the finest ripe specimens, which for size, smoothness, solidity and excellent flavor are unsurpassed. It is one of the gardeners' favorites. Pkt. 10 cts., oz. 40 cts.

Red Pear. Oval shape; similar to Yellow Pear, except of a beautiful red color. Pkt. 10 cts., oz. 30 cts.

Yellow Pear. True pear shape, small size, smooth, used for preserving. Pkt. 10 cts., oz. 30 cts.

King Humbert, Strawberry Tomato. A desirable sort for preserving and for table decorations. Of a delicate strawberry flavor, and an excellent preserving sort. 15 cts. per pkt.; 2 for 25 cts.

TURNIPS.

Steckrübe, GER. Navet, FR. Nabo Comun, SP.

Delight in a light, rich, sandy loam, which has been well manured. For early use, sow as soon as the ground opens in the spring, in drills from 12 to 15 inches apart; thin out to 6 or 9 inches in the rows, or sow broadcast. As soon as the first leaves appear, sprinkle with soot, wood-ashes, air-slaked lime, or Slug Shot, to destroy the little black fly, which will devour the plants if not attended to in time. Slug Shot is a certain remedy for the black fly. For a succession, continue to sow every two weeks until June; for a fall and winter crop, sow in July and August; do not sow later than the 1st of September. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw, and finish by earthing up, covering them with about 12 or 15 inches of earth, leaving a trench around the heap to carry off the dampness; leave a vent or air-hole, by placing a bunch of straw in the top. Put away in this manner they will be found in good condition in the spring.

Extra Early Purple Top Milan. This variety is at least two weeks earlier than any other. It is of a handsome appearance, somewhat flattened, white with purple top, flesh snow-white, fine-grained and delicate flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Extra Early Munich. A very early variety, purple top, white flesh, of fine grain and good flavor. Should be grown quickly. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Early White Flat Dutch. An early, white-fleshed variety, of quick growth, mild flavor, and excellent quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Early White Egg. An egg-shaped variety, for spring or fall sowing, flesh white, firm, fine-grained, mild and sweet. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Early Red, or Purple Top Flat. This strap-leaved variety is the principal sort for early spring and fall use; top is red or purple above ground, flesh fine grained, of mild flavor, and a good keeper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Long White, or Cow Horn. Grows very quickly, partly above ground; very productive, flesh white, fine-grained and sweet, of excellent quality for family and market gardeners' use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Robertson's Golden Ball, or Orange Jelly. A rapid grower, of excellent flavor, globe-shaped, bright yellow color, good keeper, and a superior table variety, or for stock. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

TURNIPS—Continued.

WHITE FLAT DUTCH.

WHITE EGG.

GOLDEN GLOBE.

PURPLE TOP WHITE GLOBE.

AMBER GLOBE.

PURPLE TOP STRAP LEAF.

COW HORN.

Improved Yellow Purple Top Ruta Baga, or Swedish Turnip. The leading market variety, and principally grown for stock as well as for family use. Hardy, productive, flesh yellow, solid, sweet, fine-grained, and of good flavor.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Purple Top White Globe. A variety of decided merit. Of globular shape, very handsome, and of superior quality, either for the table or stock. It is a heavy producer, early, of rapid growth, and an excellent keeper.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Yellow Globe, or Amber. One of the best for a general crop, flesh firm and sweet, grows to a large size, excellent for table use or feeding stock, and keeps well until late in the spring.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Yellow Aberdeen, or Scotch. Hardy, productive, and a good keeper; globe-shaped, yellow, flesh firm; good for table use or feeding stock.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Large White Norfolk, or Globe. A large growing, globe-shaped variety, flesh coarse-grained and sweet; one of the best early for feeding stock.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Golden Globe Ruta Baga. One of the best and sweetest for family use, also good for feeding stock; flesh yellow, and of excellent flavor.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Seven Top, or Forester. Southern Greens, standing the winter as far north as Philadelphia; producing an abundance of foliage to boil with cured meats, etc.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

SWEET BASIL.

SAGE.

SWEET MARJORAM.

SUMMER SAVORY.

FRENCH THYME.

Pot, Sweet, and Medicinal Herbs.

Herbs, in general, delight in a rich, mellow soil. Those marked with an * are perennial, and when once obtained in the garden may be preserved for years with a little attention. Sow the seeds early in the spring in shallow drills, 1 foot apart; when up a few inches, thin out to proper distances, or transplant. No garden is complete without a few sweet, aromatic or medicinal herbs for flavoring soups, meats, etc., and care should be taken to harvest them properly. This should be done on a dry day just before they come into full blossom; then dry quickly in the shade, pack close in dry boxes or vessels, so as to exclude the air.

HERBS—Continued.

- Anise** (*Pimpinella anisum*). Used for garnishing and flavoring. Pkt. 5 cts., oz. 15 cts.
- ***Balm** (*Melissa officinalis*). Used for tea or balm wine; height, 1 foot. Pkt. 5 cts., oz. 50 cts.
- Balsam Apple** (*Momordica balsamina*). For ornament and medicinal use; 10 feet. Pkt. 5 cts., oz. 50 cts.
- Balsam Pear** (*M. charantia*). Pear shaped, used same as the above; 10 feet. Pkt. 5 cts., oz. 50 cts.
- Basil, Sweet** (*Ocimum basilicum*). Used for soups, stews and sauces; 1 foot. Pkt. 5 cts., oz. 40 cts.
- Bene** (*Sesamum orientale*). Used medicinally; 18 inches. Pkt. 5 cts., oz. 20 cts.
- Borage** (*Borago officinalis*). Excellent for bees, etc.; 3 feet. Pkt. 5 cts., oz. 20 cts.
- ***Caraway** (*Curum carvi*). For confectionery and medicine, also flavoring; 2 feet. Pkt. 5 cts., oz. 10 cts.
- Castor Oil Bean** (*Ricinus communis*). For ornament and medicine; 6 feet. Pkt. 5 cts., oz. 20 cts.
- Coriander** (*Coriandrum sativum*). Grown for its seed, also for garnishing; 2 feet. Pkt. 5 cts., oz. 15 cts.
- Cumin** (*Cuminum cyminum*). Good for pigeons, etc. Pkt. 5 cts., oz. 15 cts.
- Dill** (*Anethum graveolens*). The leaves are used in soups, sauces and pickles; also the seed for flavoring; 3 feet. Pkt. 5 cts., oz. 15 cts.
- ***Horehound** (*Marrubium vulgare*). Used medicinally; 2 feet. Pkt. 10 cts., oz. 50 cts.
- ***Lavender** (*Lavendula vera*). An aromatic medicinal herb; 2 feet. Pkt. 5 cts., oz. 50 cts.
- Marigold, Pot** (*Calendula officinalis*). For flavoring and medicine; 1 foot. Pkt. 5 cts., oz. 30 cts.
- ***Fennel, Sweet** (*Anethum fœniculum*). The leaves are ornamental; when boiled they are used in fish sauces; 6 feet. Pkt. 5 cts., oz. 15 cts.
- Marjoram, Sweet, American** (*Origanum marjoram*). Sweet Marjoram grown from American seed is best for winter use, as it makes more bulk; 1 foot. Pkt. 10 cts., oz. 40 cts.
- Marjoram, Sweet, Imported**. Imported seed is best to cut when green for summer use, as it grows vigorously, and produces numerous leaves; 1 foot. Pkt. 5 cts., oz. 25 cts.
- Opium Poppy** (White Seeded) (*Papaver somniferum*). Used medicinally; 3 feet. Pkt. 5 cts., oz. 30 cts.
- ***Rosemary** (*Rosemarinus officinalis*). An aromatic and ornamental herb; 4 feet. Pkt. 10 cts., oz. 50 cts.
- ***Rue** (*Ruta graveolens*). For medicinal purposes, good for fowls for the croup; 3 feet. Pkt. 5 cts., oz. 25 cts.
- ***Sage** (*Salvia officinalis*). The tender leaves and tops are used in sausage, stuffing and sauces; 18 inches. Pkt. 5 cts., oz. 25 cts.
- Savory, Summer** (*Satureia hortensis*). For seasoning purposes; 1 foot. Pkt. 5 cts., oz. 25 cts.
- ***Savory, Winter** (*Satureia montana*). For same use as the above. Pkt. 10 cts., oz. 40 cts.
- ***Tansy** (*Tanacetum vulgare*). For medicinal use; 3 feet. Pkt. 10 cts., oz. 50 cts.
- ***Thyme, French Summer** (*Thymus vulgaris*). Used for seasoning; 1 foot. Pkt. 10 cts., oz. 40 cts.
- ***Wormwood** (*Artemisia absinthium*). Used medicinally, beneficial for poultry, and should be planted in poultry yards. Pkt. 10 cts., oz. 50 cts.

VEGETABLE PLANTS AND ROOTS.

We grow large quantities of vegetable plants and roots, and can supply all the varieties listed below in their proper season.

Cold frame Cabbage, Cauliflower and Lettuce are ready for planting as soon as the ground can be worked; hot-bed plants follow in April and May. Pepper, Tomato and Sweet Potato plants are ready in May and June. Celery, fall and winter Cabbage can be supplied July 1st to August 20th. Asparagus, Chives, Horse Radish, Rhubarb and Tarragon thrive best if planted early. Vegetable plants should be sent by express, as they carry safer. Prices quoted do not cover mail or express charges, except where noted.

- Asparagus** (Conover's Colossal). 2 year old roots \$1.00 per 100, \$8.00 per 1,000. By mail postpaid \$2.00 per 100.
- Artichokes** (Jerusalem). 25 cts. per qt., postpaid 50 cts.
- Cabbage Plants** (Cold Frame). Henderson's Early Summer, Early Jersey Wakefield, Early Winnigstadt, Flat Brunswick. \$1.00 per 100, \$8.00 per 1,000.
- Cabbage Plants** (Hot-Bed). Same varieties ready after April 1st. 50 cts. per 100, \$4.00 per 1,000.
- Cabbage Plants** (Field Grown). Large Late Drumhead, Large Late Flat Dutch, Perfection Drumhead Savoy, and Red Drumhead. Ready July 1st. 40 cts. per 100, \$3.00 per 1,000.
- Cauliflower Plants** (Cold Frame). Early Erfurt and Snowball. Plants ready same season as Cabbage. 75 cts. per doz., \$4.00 per 100.
- Cauliflower Plants** (Hot-Bed). Same varieties. 30 cts. per doz., \$1.50 per 100, \$10.00 per 1,000.
- Celery Plants**. Dreer's Large White Solid, Boston Market, Golden Dwarf and White Plume. Ready July 1st. 50 cts. per 100, \$4.00 per 1,000.
- Chives**. For flavoring soups, salads, etc. 25 cts. per cump, \$2.50 per doz.
- Egg Plants**. New York Improved Large Purple. Grown in pots. Ready in May and June. 75 cts. per doz., \$5.00 per 100.
- Egg Plants**. New York Improved Large Purple. Out of hot-beds. 50 cts. per doz., \$3.00 per 100.
- Hop Vine Roots**. 50 cts. per doz., \$2.50 per 100. By mail 75 cts. per doz.
- Horse Radish Roots, or Sets**. Plant in rows 2 feet apart, and in the rows 18 inches apart. 20 cts. per doz., 75 cts. per 100, \$6.00 per 1,000. By mail 30 cts. per doz.
- Lettuce Plants**. Early Dutch Butter, Hanson. Ready same time as Cabbage. 15 cts. per doz., 50 cts. per 100.
- Onion Sets**. See page 28 for prices and varieties.

- Pepper Plants**. Large Sweet Bell, or Mountain. Ready in May and June. 25 cts. per doz., \$1.50 per 100.
- Rhubarb Roots**. Linnæus and Victoria. Strong roots 25 cts. each, \$2.50 per doz. Small roots 15 cts. each, \$1.50 per doz., \$10.00 per 100.
- Paragon Rhubarb**. An excellent variety, of vigorous growth and fine flavor. It seldom runs to seed, and is, in all respects, a very desirable sort for the family garden. 25 cts. each, \$2.50 per doz.
- Tarragon Roots**. For flavoring purposes; the young leaves are used for pickles, vinegar, etc., imparting a delightful flavor. 30 cts. each, \$3.00 per doz. By mail 40 cts. each.

SWEET POTATO PLANTS.

We grow large quantities of the following varieties, and are in position to make contracts for large lots. For general planting the Red and Yellow Nansemond are standard sorts; but the other sorts can be recommended as in every way desirable and worthy of extended cultivation.

Yellow Nansemond,	Southern Queen,
White Brazilian,	Red Bermuda,
Red Nansemond.	
30 cts. per 100, \$2.50 per 1,000.	

TOMATO PLANTS.

We make a specialty of Tomato plants, and can always supply through the season well-grown plants of the following sorts:

Acme,	Livingston's Favorite,
Cardinal,	" Perfection,
Paragon,	" Beauty,
Mikado,	Dreer's Selected Trophy,
Optimus,	Turner Hybrid.
25 cts. per doz., \$2.00 per 100, \$15.00 per 1,000.	

When ordered to be sent by mail, remit in addition to price for Cabbage, Cauliflower, and Sweet Potato Plants, 8 cts. per doz., 25 cts. per 100. Egg and Pepper Plants 8 cts. per doz., 25 cts. per 100. Pot-grown Egg Plants not mailable.

LAWN GRASS SEEDS.

As a good lawn is an indispensable adjunct to every place, either large or small, care should be exercised in making it to have the work done properly, for if rightly done it will last for years, whereas, if slighted in the beginning, it will be a constant source of annoyance and expense. In making a new lawn, it is desirable that all tree planting and laying out of flower-beds should be accomplished first. The ground should then be thoroughly dug or plowed to the depth of ten or twelve inches, using liberally well-decomposed manure or "fertilizers." Of the latter, we recommend bone meal as being more lasting in its effects, less liable to burn the young grass, and free from weeds. It should be applied at the rate of 600 to 1000 pounds per acre, according to the quality of the soil. After plowing, the ground should be well harrowed to reduce it to as fine a condition as possible, as well as to make it level, as nothing detracts so much from the appearance of a lawn as an uneven surface. After the seed has been sown and raked in, the roller should be used to "firm" the surface; this, where possible, should not be overlooked, as the germination of the seed is aided materially by this process. Care should be exercised in raking not to work the seed in too deep; one-quarter inch is ample covering. If covered deeper germination is retarded or prevented altogether.

The best time for sowing is in spring, from February to May, or in September, using not less than four bushels per acre. Weeds should be kept out of the new lawn, as they smother the young and tender blades of grass; it is a mistaken idea that the weeds shade the grass from the sun and so aid its growth. The real fact of the matter is that the grass is much better able to cope with the sun's rays than to overpower the rank weeds, which appear in every new lawn, the presence of which is usually charged to the seedsman who has furnished the seed, the purchaser failing to recognize nature's abhorrence of a vacuum, and to observe wherever the earth is disturbed weeds spring up immediately to cover the barren surface.

When the grass has attained three inches in height it should be mown, care being exercised not to cut it too close. Frequent rolling and mowing will make the turf close and compact, strengthen the grass, and render the lawn smooth and attractive.

Owing to the varying condition of soils some grasses thrive luxuriantly where others would starve. If our customers will state the quality, condition and aspect of their soils, we shall be pleased to offer any advice desired, and also make any "special mixture," when necessary to obtain a satisfactory result.

For Tennis, Croquet, and Base-ball grounds, six bushels should be sown per acre, otherwise the same method should be observed as for making lawns. The bare and unsightly spots and runs can be readily covered and made green by digging the surface in September and rolling to make an even surface; rake roughly the surface, sow the seed, and again rake lightly and roll. By spring the grass will be well established. The seed should be applied liberally to the bare spots, using twice the quantity as for lawns.

Lawns require feeding constantly in order to keep up their vigor; for this purpose we recommend our bone dust as being of high grade and supplying all the requirements of a lawn fertilizer. A top-dressing, once a month, at the rate of two hundred and fifty pounds per acre, will keep the lawn in a thriving condition.

➤ DREER'S FAIRMOUNT PARK MIXTURE ◀

Is a compound of grasses which ripen successively, thereby always presenting a green and cheerful appearance. Lawns sown with one or two grasses turn brown under our hot midsummer sun, and remain in that condition until the cool months of autumn revive them. The mixture we offer has stood the test of years, and our rapidly increasing sales prove conclusively that its merits are becoming widely known by those who recognize the inalienable law of cause and effect, and who realize that, in order to produce permanent results, first quality goods only must be used. In no branch is it more true than in that of seeds. The temptation is strong to include in mixtures the "cheap and impure," but in Dreer's Fairmount Park Lawn Mixture, one grade—and that the highest—is rigidly adhered to. Many of the finest private grounds around Philadelphia are sown with our grasses only. For Railroad Embankments, Terraces, etc., Dreer's Fairmount Park Lawn Mixture is admirably adapted, as it speedily forms a thick turf that will effectually prevent "washing."

20 cts. per quart, postpaid, 25 cts. per quart; \$4.00 per bushel of 15 lbs.

Dreer's Evergreen Lawn Mixture.

An improved mixture which we are confident will supersede our Fairmount Park Mixture. Many of the European grasses have been neglected because of their high price, but their value for lawn purposes in this country has been demonstrated so clearly that their use will be rapidly extended. By a judicious use of some of the Fescues and other foreign grasses with the standard lawn grasses of America we are enabled to offer to our customers a mixture which for all good staying qualities is unsurpassed. Modern lawns demand grasses that are able to stand the wear and tear consequent to their use for Lawn Tennis, Croquet, etc.

Many of our native grasses grow luxuriantly during early spring and late fall, but are valueless during the dry midsummer months; special attention has been given in this mixture to incorporate only such varieties as are able to withstand prolonged drought and present at all times a green and healthy sward.

For permanence, for beauty under all circumstances and for value, we are confident Dreer's Evergreen Lawn Mixture will meet all requirements. When desired we shall be pleased to make special mixtures for any soil, or give our customers the benefit of our long experience in matters pertaining to lawn or field.

25 cts. per qt., 30 cts. per qt. postpaid, \$5.00 per bushel of 15 lbs.

GRASS SEEDS FOR LAWN and FIELD.

We make a specialty of grass seeds and send out only the most useful varieties which are adapted to this country. All that we offer have been re-cleaned and will meet the views of the most critical trade. Owing to the varying bulk of grass seeds from season to season (owing to climatic conditions which cannot be controlled), they are always put up by us by weight and not by measure, thereby securing to our customers the amount they pay for, as prices are based on weight and not on bulk.

Fancy Cleaned Kentucky Blue Grass (*Poa pratensis*). Also known as June Grass. It is one of the most valuable sorts for lawn purposes and as a pasture grass is indispensable. It thrives in dry soils and retains its verdure during the hottest weather. This grade is the best for sowing lawns. 20 cts. qt., 25 cts. per qt. postpaid, bushel (14 lbs.) \$2.00.

Extra Clean Kentucky Blue Grass (*Poa pratensis*). The same as the above, except that it is of a lower

grade. This quality can be used for mixing with other grass for field sowing, but is not recommended for lawns. 15 cts. qt., 20 cts. per qt. postpaid, bushel (14 lbs.) \$1.75.

Natural Green Grass (*Poa pratensis* variety). A native grass of luxuriant growth; it forms a heavy sward, but does not retain its color as well as Blue Grass. 25 cts. per qt., 30 cts. per qt. postpaid, bushel (14 lbs.) \$3.50.

GRASS SEEDS—Continued.

RED TOP.

MEADOW FESCUE.

ENGLISH RYE GRASS.

SHEEP'S FESCUE.

MEADOW FOXTAIL.

BLUE GRASS.

Herd, or Red Top Grass (*Agrostis Vulgaris*). A valuable native permanent grass, desirable for meadows, pastures or lawns, growing in almost any soil, moist or dry, and standing our hot climate. 15 cts. per qt., 20 cts. per qt. postpaid, bushel (10 lbs.) \$1.00. Per sack of 50 lbs. \$4.00.

English Rye Grass, Perennial Rye (*Lolium Perenne*). A nutritious permanent grass for meadows and pastures, or for mixing with other grasses for lawns. It thrives in almost any soil and yields an early and abundant crop. 20 cts. per qt., 25 cts. per qt. postpaid, bushel (24 lbs.) \$2.50.

Perennial Sweet Vernal (*Anthoxanthum Odoratum*). Useful to mix with other grasses for lawns on account of its early growth and agreeable odor when cut. 60 cts. per lb., 65 cts. per lb. postpaid, 10 lb. lots by express \$5.50.

Annual Sweet Vernal (*Anthoxanthum Odoratum Puelii*). An annual variety of the Sweet Vernal Grass, which requires reseeding every year unless it stands where it can reseed itself. Lb. 35 cts., postpaid, 43 cts. Bushel (10 lbs.) \$3.25.

Sheep's Fescue (*Festuca Ovina*). This grass forms a large part of the pasturage of the English Downs. It produces a large quantity of short herbage, and should form a part of all mixtures for sheep pastures. Lb. 30 cts., postpaid, 38 cts.; 10 lbs. \$2.75.

Meadow Fescue (*Festuca Pratensis*). Thrives in all soils, and is an excellent grass for permanent pasture or hay, the foliage being highly nutritious. Lb. 35 cts., postpaid, 43 cts.; 10 lbs. \$3.25.

Meadow Foxtail (*Alopecurus Pratensis*). One of the best and earliest of pasture grasses. Thrives best in moist localities, and bears close cropping. Lb. 40 cts., postpaid, 48 cts.; 10 lbs. \$3.50.

Orchard Grass (*Dactylis Glomerata*). One of the most desirable grasses for pastures, sowing under orchards or in shady places. It grows rapidly, thrives in sandy land, and does not suffer from close feeding. Lb. 20 cts., postpaid, 28 cts. Bushel (12 lbs.) \$2.25.

Rhode Island Bent. A fine compact grass, readily forming a heavy sward. Useful for lawns. Lb. 30 cts., postpaid, 38 cts.; 10 lbs. \$2.50.

Tall Meadow Oat Grass (*Avena Elatior*). A valuable grass for soiling or permanent pasture, of early and luxuriant growth; also makes splendid hay. Lb. 35 cts., postpaid, 43 cts.; 10 lbs. \$3.25.

Timothy (*Phleum Pratense*). Considered by many the best of the grasses for feeding to horses. It makes excellent hay and produces heavy crops. Lb. 15 cts., postpaid, 30 cts. Bushel (45 lbs.) about \$3.00 (subject to market changes).

Wood Meadow Grass (*Poa Nemoralis*). Particularly adapted for pleasure grounds and lawns; will grow under trees, where few other grasses can exist. Lb. 40 cts., postpaid, 48 cts.; 10 lbs. \$3.50.

Johnson Grass (*Sorghum Halapense*). A perennial grass, which grows with all the luxuriance of the millets. It is tender and nutritious, and is liked by all kinds of stock. It should be cut just as it comes into bloom. Two heavy crops can be cut each season. Lb. 25 cts., postpaid, 33 cts. Bushel (25 lbs.) \$4.75.

Flint's Mixture. For permanent pasture lands. Adapted to different soils. Sow 2 bushels to the acre. Qt. 20 cts., postpaid, 25 cts. Bushel (20 lbs.) \$3.50.

ALFALFA, OR LUCERNE.

LESPEDeza STRIATA (JAPAN CLOVER).

WHITE CLOVER.

CLOVER SEEDS.

Alsike, or Swedish (*Trifolium Hybridum*). An excellent variety, of luxuriant growth and very sweet, valuable for pasturage or ensilage. Lb. 25 cts., postpaid, 33 cts.; 10 lbs. \$2.25.

Alfalfa, or Lucerne (*Medicago Sativa*). One of the best varieties, succeeding in almost every situation, and bearing heavy crops of forage; will bear cutting three or four times during the season. For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage but forces its roots down fully three feet into the earth. Sow early in spring to secure a good stand before winter if to be used for pasturage or for curing. Lb. 25 cts., postpaid, 33 cts.; 10 lbs. \$2.25. Bushel (60 lbs.), \$12.00.

Bokhara Clover (*Melilotus Alba*). A rapid growing white-flowered sort, excellent for bee food, for which purpose it should be largely grown. Lb. 30 cts., postpaid, 38 cts.; 10 lbs. \$2.75.

Japan Clover (*Lespedeza Striata*). A low-branching clover that does well in the South. It thrives on poor land and produces continual herbage. Not adapted to Northern latitudes, as it is only half-hardy. Lb. 50 cts., postpaid, 58 cts.

Red Clover (*Trifolium Pratense*). The leading variety of clover for pastures or meadows. The seed we offer is re-cleaned and free from weeds. Lb. 15 cts., postpaid, 23 cts. Bushel (60 lbs.), about \$7.00 (subject to market changes).

Scarlet Clover (*Trifolium Incarnatum*). Brilliant scarlet flowered, very productive, and greedily eaten by cattle; remains green longer than the red variety, and is excellent for bee food. Lb. 20 cts., postpaid, 28 cts.; 10 lbs. \$1.75., 100 lbs. \$15.00.

Sainfoin, Espasette, or Holy Clover (*Hedysarum Onobrychis*). A valuable clover for the Middle and Southern States. In some sections it is considered indispensable, as it increases the flow of milk. The seeds are more nutritious than oats, and are readily eaten by fowls. Lb. 25 cts., postpaid, 33 cts.; 10 lbs. \$2.25.

White Dutch Clover (*Trifolium Repens*). The best variety for lawns, as it forms a close herbage and remains green throughout the season; it also affords excellent food for bees. We offer highest grade of seed only. Lb. 40 cts., postpaid, 48 cts.

MILLET.

Remit for postage on Millet 13 cts. per qt., when ordered to be sent by mail.

Common Millet (*Panicum Miliaceum*). Very early, 2 to 3 feet high, foliage broad, heads open, branching panicles. Weight per bushel 48 lbs. Qt. 15 cts., postpaid, 28 cts., bush. \$1.50.

German, or Golden Millet. Medium early, 4 to 5 feet high, close heads, numerous spikes, seeds round, of a golden yellow color. Weight per bushel 48 lbs. Qt. 15 cts., postpaid, 28 cts., bush. \$1.75.

Hungarian Millet (*Panicum Germanicum*). Early and productive, growing 2 to 3 feet high, with an abundance of foliage and slender heads. Weight per bushel 48 lbs. Qt. 15 cts., postpaid, 28 cts., bush. \$1.50.

Egyptian, or East India Pearl Millet (*Pennisetia Spicata*). Grows from 8 to 10 feet high. When cultivated for fodder sow in drills 3 feet apart, and thin out in the rows to 1 foot apart; sow 3 to 5 lbs. per acre. Lb. 25 cts., postpaid, 33 cts.; 10 lbs. \$2.00.

Reana Luxurians (*Teosinte*). In its perfection it produces a great number of shoots, growing 12 feet high, very thickly covered with leaves, and yielding an abundance of forage. Oz. 25 cts., lb. \$2.50.

Rural Branching Dhoura or Egyptian Rice Corn (*Sorghum Vulgare*). A valuable forage plant, growing 8 to 10 feet high and producing an abundance of foliage, which is greatly relished by stock. When grown for the grain, plant in hills 4 feet apart each way, and cultivate same as corn. When wanted for fodder, sow in drills, 4 feet apart and 4 inches in the drill. When it has attained the height of 5 feet it may be cut for forage. The plants will bear cutting every 4 weeks until frost. Lb. 25 cts., postpaid, 33 cts., 10 lbs. \$2.00.

FARM SEEDS.

We give special attention to the quality of all our Farm Seeds, and send out only re-cleaned stock. It is our aim to send out pure stock, true to name. For lists of Corn and Potatoes see pages 16 and 31. For green manures we recommend thickly sowing Sugar Cane, Lupins, Tares, Field Peas, Rye, and Oats, and plowing under when 6 to 8 inches high.

CLYDESDALE OATS.

One of the most important additions to the list of farm seeds that has been sent out for many years. Well-cleaned samples of these Oats will weigh 51 lbs. per bushel, while an ordinarily cleaned lot will weigh 45 lbs. Aside from its extraordinary weight, it ripens ten days earlier than any other. Straw stiff, and free from any tendency to lodge.

Peck 60 cts., bush. (32 lbs.) \$2.00.

Welcome. An excellent variety, very productive and heavy; straw stiff; grain plump. Averages 45 lbs. per measured bushel, with good cultivation. One of the very best varieties for ordinary soils. Peck 40 cts., bush. (32 lbs.) \$1.25.

WIDE-AWAKE OATS.

A remarkably productive variety, yielding 65 to 125 bushels per acre, according to the nature and condition of the soil. The grain is heavy and plump, and has a thin husk. Straw stiff and vigorous, showing no sign of rust. This variety has been thoroughly tested, and proved to be a superior sort, both in quantity and quality.

Peck 75 cts., bush. (32 lbs.) \$2.50.

American Triumph. Straw strong and firm, bearing large heads, well filled with plump, heavy grain; destined to be a leading variety.

Peck 50 cts., bush. (32 lbs.) \$1.50.

WINTER WHEAT.

Fultz. The leading Red Winter Wheat in this section.

Berry full, hard, and considered by millers No. 1.

Heavy cropper. Straw stiff, and does not lodge easily.

Peck 50 cts., bush. (60 lbs.) \$1.75.

Martin's Amber. Heads long and heavy; berry plump, amber-colored and excellent for milling. It yields heavily, and is in every way a desirable sort.

Peck 50 cts., bush. (60 lbs.) \$1.75.

RYE.

White. The best variety; a heavy cropper, and stands the winter better than almost any other sort.

Peck 40 cts., bush. \$1.25.

BARLEY.

Common. The variety usually sown. Peck 40 cts., bush. \$1.25.

FLAX.

When grown for seed, sow 1 bushel per acre; if fibre is wanted, sow at the rate of 2 to 3 bushels. The soil should be well cultivated. Peck 60 cts., bush. \$2.25.

BUCKWHEAT.

Japanese. A new variety of Buckwheat, which possesses qualities that will render it much sought after. It is enormously prolific, yielding double the weight of other sorts. It makes an excellent flour, equal in quality to the Silver Hull. Lb. 20 cts., postpaid, 28 cts. Bushel (48 lbs.) \$3.00.

Silver Hull. Ripens 10 days to 2 weeks earlier than the common variety, a heavy yielder, and not easily affected by drought. The berry is of a light silvery-gray color, and the flour is whiter and more nutritious than that made from the common sort. Lb. 15 cts., postpaid, 23 cts. Bush. (48 lbs.) \$2.75.

Common. Lb. 10 cts., postpaid, 18 cts. Bushel (48 lbs.) \$1.50.

BROOM CORN.

Add for postage on Broom Corn 10 cts. per qt.

Improved Evergreen. This variety is extensively grown on account of the color and quality of its brush, which is long, fine, and straight, and always green; grows 7 feet high. Qt. 15 cts., bush. \$3.00.

Large California Golden. One of the most popular kinds for making brooms; does not require bending down, as the brush has a leaf or sheath around its base, which keeps it from crooking; grows about 12 feet high, brush long and straight, green-tipped red when ripe. Qt. 20 cts., bush. \$3.50.

Dwarf. Grows about 4 feet high, extra fine for making brushes or whisks. Qt. 20 cts., bush. \$3.50.

FIELD PEAS, ETC.

White Southern Cow. Also known as Sand Pea, a small white variety with black eye. Sow 2 bushels to the acre. Qt. 20 cts., postpaid, 35 cts., bush. \$3.00.

Tares, or Spring Vetches. A good forage plant, also used for plowing under; sow 1 bushel to the acre. Qt. 25 cts., postpaid, 40 cts., bush. \$4.00.

Lupins, Yellow Field. Grown for green manure; also good for sheep. Sow from April to June, and plow under when in bloom. Sow $\frac{1}{2}$ bushel to the acre. Qt. 40 cts., postpaid, 55 cts., bush. \$8.00.

SUNFLOWER.

Large Common. Large flowers, producing an abundance of seed. Qt. 20 cts., postpaid, 35 cts., bush. \$2.50.

Mammoth Russian. Bears extra large flowers, which produce a very heavy crop of seed. Qt. 20 cts., postpaid, 35 cts., bush. \$3.50.

SUGAR CANE.

Early Amber. The earliest and most productive variety. Height 10 to 12 feet. Its saccharine matter is of first quality, fine and rich. One of our best green fodder plants, producing from 2 to 3 cuttings during the summer. Sow 4 qts. in drills and 8 qts. broadcast, to the acre. Qt. 20 cts., postpaid, 35 cts., bush. \$3.00.

TOBACCO.

Tobacco will grow in almost any location, but the best results are obtained from light, rich soil which will not bear a rank growth. The seed-bed should be thoroughly made, and the ground well pulverized, before sowing the seed, which should be firmly pressed into the soil. Sow thinly, in order that the plants may have sufficient room to grow stocky. After the plants are sufficiently strong transplant to the field where they are to grow. The plants should be well cultivated, care being exercised not to run too close to the plant and destroy the fibrous roots. As tobacco is very sensitive to early and late frosts, it should be covered on cold nights with waterproof muslin, which will keep off several degrees of frost. The varieties we offer are the best and most reliable. Book on Tobacco Culture mailed on receipt of 25 cts.

Connecticut Seed Leaf. Silky foliage, fine flavored. One of the best varieties for cigar wrappers. Pkt. 10 cts., oz. 30 cts.

Glessner Pennsylvania Seed Leaf. The most noted selection grown in Lancaster county. It has a larger and finer leaf than the Connecticut, of a chestnut brown color, and produces a large crop of handsome leaves. Pkt. 10 cts., oz. 50 cts.

Havana. The fine qualities of this variety make it indispensable. The seed we offer is the best Vuelta Abajo. Pkt. 10 cts., oz. 50 cts.

PRIMUS TOBACCO.

Primus. The first to mature and ripen, and the very earliest variety grown. Succeeds well in Canada, where few kinds will ripen, and is specially adapted to planting far North. Leaves large, fibres fine, and texture silky; yields large crops of extra fine quality. Pkt. 10 cts., oz. 40 cts.

Virginia. Of the best quality, from James River Valley. Pkt. 10 cts., oz. 40 cts.

White Burley. A variety coming rapidly into favor for wrappers. In some sections it has superseded all other kinds. Pkt. 10 cts., oz. 30 cts.

KAFFIR CORN.

One of the best things offered of late years for a forage plant. The heads contain small white seeds which make an excellent flour. They are greedily eaten by horses and cattle, and make excellent food for poultry either fed in the grain or ground and cooked. The foliage and stalks make excellent forage. 10 cts. per pkt.; 50 cts. per lb.; 10 lbs., \$4.00.

TABLE SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE.

	Lbs. per bush.		Lbs. per bush.
Barley, broadcast.....	48	Melon, Musk, in hills.....	2 to 3 lbs.
Beans, Dwarf, in drills.....	1½ bush.	Melon, Water, in hills.....	4 to 5 lbs.
Beans, Pole, in hills.....	60	Millet.....	48
Beets, Table, in drills.....	6 lbs.	Oats, broadcast.....	32
Beets, Mangel-Wurzel.....	5 lbs.	Onion, in drills.....	6 to 8 lbs.
Broom Corn, in hills.....	46	Onion for Sets, in drills.....	50 lbs.
Buckwheat.....	48	Onion Sets, in drills.....	6 to 12 bush.
Cabbage, in beds to transplant.....	¼ lb.	Parsnip, in drills.....	4 to 6 lbs.
Carrot, in drills.....	3 to 4 lbs.	Round Peas, in drills.....	1½ bush.
Clover, Red.....	60	Wrinkled Peas, in drills.....	1½ bush.
Clover, White.....	60	Peas, broadcast.....	3 bush.
Clover, Alsike.....	60	Potatoes (cut tubers).....	8 bush.
Clover, Lucerne or Alfalfa.....	60	Pumpkin (in hills).....	3 lbs.
Corn, in hills.....	8 to 10 qts.	Radish, in drills.....	8 to 10 lbs.
Corn, for Fodder.....	56	Rye, broadcast.....	1½ to 2 bush.
Cucumber, in hills.....	2 lbs.	Sage, in drills.....	8 to 10 lbs.
Flax, broadcast.....	56	Salsify, in drills.....	8 to 10 lbs.
Grass, Kentucky Blue.....	14	Spinach, in drills.....	15 lbs.
Grass, Orchard.....	12	Squash (bush varieties), in hills.....	4 lbs.
Grass, English Rye.....	24	Squash (running varieties), in hills.....	3 lbs.
Grass, Red Top.....	10	Sugar Cane.....	12 lbs.
Grass, Timothy.....	45	Tomato, to transplant.....	¼ lb.
Grass, Hungarian.....	48	Turnip, in drills.....	2 lbs.
Grass, Lawn.....	15	Turnip, broadcast.....	2 lbs.
Hemp.....	44	Vetches, broadcast.....	2 to 3 bush.
Kale.....	5 lbs.	Wheat, broadcast.....	1½ to 2 bush.

QUANTITY OF SEEDS REQUIRED FOR A SPECIFIED LENGTH OF DRILL.

Asparagus.....	1 oz. for 60 ft. of drill.	Parsnip.....	1 oz. for 150 ft. of drill.
Beet.....	1 oz. for 50 ft. of drill.	Peas.....	1 qt. for 100 ft. of drill.
Beans, Dwarf.....	1 qt. for 100 ft. of drill.	Pumpkin.....	1 oz. for 40 hills.
Beans, Pole.....	1 qt. for 150 hills.	Radish.....	1 oz. for 75 ft. of drill.
Carrot.....	1 oz. for 150 ft. of drill.	Salsify.....	1 oz. for 70 ft. of drill.
Cucumber.....	1 oz. for 50 hills.	Spinach.....	1 oz. for 75 ft. of drill.
Corn.....	1 qt. for 200 hills.	Squash, Early.....	1 oz. for 50 hills.
Dandelion.....	1 oz. for 200 ft. of drill.	Squash, Marrow.....	1 oz. for 20 hills.
Endive.....	1 oz. for 150 ft. of drill.	Turnip.....	1 oz. for 150 ft. of drill.
Leek.....	1 oz. for 100 ft. of drill.	Cabbage.....	1 oz. for 2000 plants.
Melon, Water.....	1 oz. for 30 hills.	Cauliflower.....	1 oz. for 2000 plants.
Melon, Musk.....	1 oz. for 50 hills.	Celery.....	1 oz. for 3000 plants.
Okra.....	1 oz. for 40 ft. of drill.	Egg-Plant.....	1 oz. for 1000 plants.
Onion.....	1 oz. for 100 ft. of drill.	Lettuce.....	1 oz. for 3000 plants.
Onion, Sets, small.....	1 qt. for 40 ft. of drill.	Pepper.....	1 oz. for 1000 plants.
Parsley.....	1 oz. for 125 ft. of drill.	Tomato.....	1 oz. for 1500 plants.

TREE SEEDS.

In addition to the varieties listed, we can supply any others at short notice.

Apple Seed (*Pyrus malus*). Qt. 40 cts., postpaid 55 cts., bush. \$12.00.

Peach Pits, Natural Virginia. Qt. 20 cts., postpaid 35 cts., bush. \$1.75.

Pear Seed (*Pyrus communis*). Oz. 25 cts., lb. \$2.50.

Plum Pits (*Prunus communis*). Oz. 10 cts., lb. 50 cts., postpaid 58 cts.

Cherry Pits, Mahaleb (*Cerasus mahaleb*). Oz. 10 cts., lb. 60 cts., postpaid 68 cts.

Cherry Pits, Black Mazzard (*Cerasus communis*). Oz. 10 cts., lb. 50 cts., postpaid 58 cts.

White Mulberry (*Morus alba*). Oz. 30 cts., lb. \$3.00.

Russian Mulberry (*Morus moretti*). Now largely planted, and considered the best for Silk-Worm Culture. Oz. 30 cts., lb. \$3.00.

Eucalyptus Globulus, Australian Fever Gum Tree. Extensively planted in the South and California, for destroying malaria. Oz. 75 cts., lb. \$8.00.

Locust, Yellow (*Robinia pseudo acacia*). Largely grown for "wind breaks." Oz. 10 cts., lb. 60 cts., postpaid 68 cts.

Locust, Honey (*Gleditschia triacanthos*). Grown for Hedges. Oz. 10 cts., lb. 50 cts., postpaid 58 cts.

Osage Orange (*Maclura aurantiaca*). Sprout the seed before sowing, then sow in rows, and when one year old transplant, 6 inches apart, alternating the plants in double rows, cutting the plants down to the height of 6 inches. Manure well, and plow deep before planting. Oz. 10 cts., lb. 50 cts., postpaid 58 cts., bush. of 33 lbs. \$6.00.

The Wild Garden.

THOUGH it has not been done to any extent, it is quite certain that the wild and free effect of the hedgerows of England, which during the season are aglow with Corn Cockles, Foxgloves, Poppies, and a multitude of lovely flowers, which charm every one with their beauty and fragrance, can be reproduced in this country by a little care and the liberal use of plants adapted to our climate. Charming effects can be made by a combination of Larkspurs and Nasturtiums, Coreopsis and Poppies, or Godetias and Calendulas, or all can be mixed together and scattered over rough places, thereby making that which is unsightly appear attractive.

Shrubbery and the edges of woodlands would look more cheerful were they sown with Foxgloves, Everlasting Sweet Peas, Lupins, etc., which would thrive in such a situation, and provide plenty of bloom where otherwise there would only be a mass of foliage. Shady places can be toned up with Swan River Daisies, Asters, Myosotis, or a sunny knoll with yellow Columbines in spring or dazzling Poppies in midsummer. The combinations which can be made are nearly endless, and vary greatly with soil and situation.

For sowing in shrubbery, under trees and in beds on which no care will be bestowed, or even for sowing in exposed situations where wildness is preferred to order and precision, we offer a mixture of the various flower seeds that are suitable for the purpose. The mixture comprises Mignonette, Candytuft, Larkspurs, Marigolds, Poppies, Foxgloves, and many other annuals, biennials, and perennials, which will flower successively and yield an abundance of bloom.

Pkt. 10 cts., oz. 50 cts., lb. \$6.00.

Reliable • Flower • Seeds.

Our List has again been carefully revised and all inferior varieties discarded. For the convenience of our customers and facilitating the filling of orders, we use a system of numbering. In ordering it is only necessary to give the number of packets wanted and the corresponding number in the Catalogue, viz.:—1 Pkt. 5010, 25; 3 Pkts. 5031, 15; means one packet Abutilon, mixed, 25 cts.; three packets Adonis Æstivalis, 15 cts.

Writing the name as well as giving the number is superfluous and is in no way an aid in filling orders. Please use the Order Sheet. It is desirable that customers should keep a copy of their orders, as frequently we receive complaints of errors, whereas reference to the order shows correct filling.

PREMIUM ON FLOWER SEEDS ONLY.

We offer the following liberal premium on Flower Seeds only when ordered in packets, purchaser's selection, cash to accompany order.

For \$1.00, Select Flower Seeds to amount of.....	\$1.15	For \$ 4.00, Select Flower Seeds to amount of.....	\$ 4.75
For 2.00, " " " " "	2.30	For 5.00, " " " " "	6.00
For 3.00, " " " " "	3.50	For 10.00, " " " " "	13.00

FLOWER SEEDS ARE MAILED, POSTAGE PAID, ON RECEIPT OF PRICE.

ABUTILON.

DWARF SWEET ALYSSUM, LITTLE GEM.

ABRONIA.

ABOBRA.

A rapid-growing ornamental plant of the gourd species, with beautiful glossy, dark green foliage, and bright scarlet fruit.

5001 <i>Viridiflora</i>	PER PKT. 10
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ABRONIA.

Trailing plants, producing clusters of sweet-scented, Verbena-like flowers, especially fragrant towards evening, in bloom a long time; effective in beds, rock-work, or hanging-baskets; peel off the husk before sowing the seed; succeeds in a light, rich soil. Half-hardy annuals; height, 6 inches.

5003 **Arenaria.** A beautiful yellow variety.....10
5006 **Umbellata.** Rosy lilac, with a white eye.....10

ABUTILON.

(Chinese Bell-Flower.)

Greenhouse shrubs of strong growth and easy cultivation; free-flowering, with various-colored, beautiful drooping bell-shaped flowers. Sown any time before April, in a temperature of 60 degrees, they will produce fine flowering plants the first season.

5010 **Fine Mixed.** Of choice varieties and colors;
2 to 6 feet 25

ACACIA.

Elegant greenhouse shrubs, having fine ornamental foliage, and beautiful racemes of various shades of yellow globular flowers. Soak the seed in warm water before sowing.

	PER PKT.
5013 Mixed. Fine varieties; 6 to 10 feet.....	20

ACONITUM.

(Monk's Hood, or Wolfsbane.)

A hardy perennial, growing in any good garden soil, producing curiously shaped flowers in abundance.

5017 **Napellus.** Very pretty blue and white flowers; 3 ft. 5

ACROCLINIUM (See Everlastings).

ADLUMIA.

(Mountain Fringe, or Allegheny Vine.)

An attractive and beautiful plant, flowering the first season, of graceful habit and pale green delicate foliage.

5033 **Cirrrosa.** Clusters of small rosy-lilac flowers;
hardy biennials; 15 feet.....10

AGROSTEMMA.

ADLUMIA.

ADONIS.

ALONSOA.

ACANTHUS.

A stately and beautiful ornamental plant. From the leaf of "*Acanthus Mollis*," the capital of the Corinthian column is derived. Growing freely in any rich, loamy soil.

PER PKT.

5015 **Mixed.** Hardy perennials; height 3 feet..... 10**ACHILLEA.**

A very free-blooming plant, of branching habit. Useful for cut-flowers or for planting in cemeteries. Hardy perennial; 18 inches.

5019 **Ptarmica Plena.** Pure white double flowers.....15**ADONIS.**

(Flos Adonis.)

Also known as Pheasant's Eye. Showy hardy annuals of easy culture, with pretty fine-cut foliage, and lasting a long time in bloom.

5031 **Æstivalis.** Dark crimson flowers, with a lighter centre; 1 foot..... 5**AGATHEA.**

(Marguerite.)

Very pretty free-blooming plant, bearing Cineraria-like flowers. Hardy annual; 2 feet.

5037 **Cælestis** (*Blue Marguerite*). Celestial blue.....10**AGERATUM.**

Valuable plants for large beds or borders, and very useful where cut-flowers are in demand; in bloom the whole summer; also good for winter blooming, of easy culture, succeeding in any soil; half-hardy annuals.

5045 **Conspicuum.** Fine white flowers; 18 inches..... 55041 **Mexicanum.** Lavender blue; 2 feet..... 55042 **Imperialis Cærulea.** Dwarf, large heads of blue flowers; 8 inches..... 55043 **Imperialis Alba.** Dwarf, large heads of white flowers; 8 inches..... 55044 **Lasseauxi.** Greenhouse perennial, blooms first season, flowers rose color; 15 inches.....105046 **Cope's Pet.** Lovely azure-blue; 6 inches.....10

ALLAMANDA.

AGERATUM.

AQUILEGIA.

ACONITUM.

AGAPANTHUS.

(African Lily.)

Bulbous-rooted, with evergreen foliage and large heads of small blue flowers. The roots can be preserved during the winter in a cellar protected from frost.

PER PKT.

5035 **Umbellatus.** Blue; 3 feet..... 20**AGROSTEMMA.**

(Rose of Heaven.)

An attractive free-flowering hardy perennial of easy culture, producing flowers on long slender stems like a single pink; blooms the first season. Fine for cutting; 1 ft.

5050 **Cæli Rosea, Mixed**..... 5**ALONSOA.**

(Mask Flower.)

Handsome brilliant-colored free-flowering bedding-plants, blooming until killed by frost; thriving in any good garden soil, also good house plants; half-hardy annuals.

5065 **Grandiflora.** Large-flowering; bright scarlet; 2 feet..... 55070 **Mixed.** All colors; 2 feet..... 5**ALYSSUM.**

Free-flowering, pretty little plants for beds, edgings or rock-work, or winter blooming; the annual variety blooms all summer.

5082 **Sweet Alyssum** (*A. Maritimum*). Flowers in white clusters; 6 inches. Per oz. 60 cts..... 55086 **Benthami Compactum.** Of true dwarf compact growth; excellent for borders; white.....105084 **Saxatile Compactum.** Showy golden-yellow flowers; hardy perennial, blooms the first season; 1 foot..... 55087 **Little Gem.** Of dwarf, compact habit, 3 to 5 inches in height, each plant covering a circle 15 to 30 inches in diameter. It begins to bloom when quite small, and the plants are a solid mass of white from spring till late in autumn.....25**ALLAMANDA.**

Stove evergreen climbers, bearing profusely, splendid large flowers in clusters; winter and spring blooming.

5063 **Schottii.** Golden yellow.....25

AMARYLLIS.

ANCHUSA.

ANEMONE.

ASPERULA.

AMARANTHUS.

Showy blooming plants, with long racemes of curious-looking flowers, and brilliant foliage; half-hardy annuals.

	PER PKT.
5092 Cruentus (<i>Prince's Feather</i>). Erect-flowering, bright scarlet.....	5
5091 Caudatus (<i>Love Lies Bleeding</i>). Blood-red, drooping; 3 feet.....	5
5094 Gordoni, or Sunrise . Bronzy crimson foliage, shading off to brilliant scarlet tufts of leaves on top of the stalk, the lower leaves having a scarlet band through the centre; 3 feet.....	10
5095 Henderi . Of graceful pyramidal growth and long drooping leaves, of brown, madder, and bronze; 4 feet.....	10
5096 Melancholicus Ruber . Dwarf, compact habit, blood-red foliage; 2 feet.....	5
5097 Salicifolius (<i>Fountain Plant</i>). Of pyramidal, drooping habit, branching close to the ground. The leaves are at first of a bronzy green shade, changing a bright orange-carmine and bronze color, forming magnificent plumes; 4 feet. Per oz., \$1.00....	5
5098 Tricolor (<i>Joseph's Coat</i>). Leaves red, yellow, and green; 3 feet. Per oz., 60 cts.....	5

AMARYLLIS.

Bulbous-rooted plants, producing from 2 to 4 of the richest colored crimson, scarlet, and white-striped, lily-like flowers.

5110 Hybrida, Mixed . 1½ feet.....	25

AMPELOPSIS.

(Miniature Virginia Creeper, or Japanese Ivy.)

A hardy perennial species of Woodbine from Japan, with olive-green leaves, which turn to scarlet in the autumn. Will adhere to brick or stone walls.

5101 Veitchi . Per oz., 60 cts.....	10

ANAGALLIS.

(Pimpernelle.)

Dwarf, compact plants; adapted for baskets, rock-work, edgings, and small beds; succeed best in a light, rich soil, in a sunny situation; covered with various shades of flowers the whole summer; half-hardy annuals; 6 inches.

5120 Grandiflora, Mixed	5

ANCHUSA.

(*Capensis*.)

A splendid bouquet flower, of long duration, and producing azure-blue forget-me-not-like flowers; hardy perennial; if sown early, blooms the first season, growing freely in shaded situations; 2 feet.

5123 Angustifolia . Azure blue.....	10

ANGELONIA.

A beautiful greenhouse shrubby plant; spikes of dark purplish-brown flowers, with a white eye. If sown early will flower the first season, and can be treated as a tender annual. Famous for its fragrance.

5132 Grandiflora Atropurpurea	15

ANEMONE.

(Windflower.)

A very pleasing hardy perennial, bulbous-rooted plant; easily grown from seed, producing large flowers, early in the spring, when few plants can compare with them in beauty and brilliancy; fine for bouquets; 1 foot.

5130 Coronaria, Mixed . Scarlet, purple, blue white and striped.....	10
5125 Fulgens . Flowers large, dazzling vermilion.....	20

ALSTROEMERIA.

Beautiful, free-flowering, tuberous-rooted plants; do best in a southern sheltered position, or in the greenhouse; half-hardy perennials; 1½ feet.

5080 Chiliensis, Mixed	20

ANTIRRHINUM.

(Snap-Dragon.)

One of our most showy and useful border plants. The more recently improved varieties of this valuable genus are large, finely-shaped flowers of the most brilliant colors, with beautifully-marked throats; they succeed in any good garden soil, and are very effective in beds. Hardy perennials, blooming the first year if the seed is sown early; 1 ft.

5136 Fire Fly . Orange and scarlet, with white throat.	5
5137 Picturatum . A new and distinct variety, striped and blotched; all colors mixed.....	10
5140 Mixed . Finest dwarf Tom Thumb. Per oz., 75 cts.	5
5129 Imported Collections , 10 Dwarf varieties.....	50
5139 " " 10 Tall ".....	50

AQUILEGIA.

(Columbine.)

This plant blooms freely early in the spring and summer and produces beautiful, curiously-formed and variously-colored flowers; hardy perennials.

5143 Chrysantha . (<i>Golden-Spurred</i>). A strong grower, forming bushy plants 3 feet high, bearing all through the season an abundance of bright golden-yellow flowers.....	10
5144 Cerulea . Flowers are very large, violet-blue, and inner petals pure white; 2 feet.....	10
5151 Glandulosa . The best of the large-flowering sorts; inner petals pure white; outer a lovely shade of light blue; 2 feet.....	15
5145 Olympica . A beautiful, vigorous grower; flowers rich blue, with a white-edged lip; 2 feet.....	10
5152 Skinneri . Bright scarlet and yellow; blooms early in spring; an excellent plant for rocky places; 18 inches.....	10
5160 Single , all colors mixed; 2 feet.....	5
5150 Double , " " " 18 inches.....	5

ARMERIA.

(Thrift.)

A very pretty edging plant, bearing large tufts of rosy-pink flowers; hardy.

5164 Elegans	10

1—ROSE FLOWERED
2—CHRYSANTHEMUM FLOWERED.
3—MONT BLANC.
4—PÆONY PERFECTION.

PER PKT.

ASTER—Continued.**ASTER.**

(Queen Margaret.)

One of the most popular and effective of our garden favorites, producing in profusion flowers in which richness and variety of colors are combined with the most perfect and beautiful form; they delight in a rich soil, and in hot, dry weather should be mulched with rotted manure, and well watered, which will increase their beauty and the duration of their bloom; hardy annuals.

- 5171 **Dwarf Pyramidal Bouquet.** The plants, when well grown, form a complete bouquet of flowers, splendid colors, mixed; 1 foot.....10
- 5173 **Cocardeau, or Crown.** Showy flowers, very double, with white centres, bordered with bright rich colors; 18 inches.....10
- 5172 **Comet.** Forming regular pyramids 12 to 15 inches high, and covered with large double flowers. In shape they resemble a large-flowered Japanese Chrysanthemum, the petals being long and twisted, or curled and wavy. The color is a lovely delicate pink bordered with white.....20
- 5175 **Chrysanthemum Flowered.** Pure white.....15
- 5177 **Giant Emperor, Mixed.** Flowers of great size, very double, fine form, brilliant colors, and robust growth; 2 feet.....15
- 5181 **Goliath.** Splendid large-flowering variety of robust habit, blooms profusely and is of perfect form; 2 feet.....15
- 5183 **Imbricated Pompon.** Perfectly shaped and beautifully imbricated; mixed.....10
- 5192 **Dwarf Pæony Perfection. Brilliant Dark Scarlet.** This novel race of dwarf Asters is specially adapted to garden or pot culture. The color is very bright and admired by all. Hardy annual; 1 foot.....20

- 5206 **Dwarf Pæony Perfection, Crimson Ball.** A fine addition to the list of Asters. It is of a bright crimson color, dwarf habit and admirable as a pot plant.....20
- 5191 **Dwarf Pæony Perfection, Crimson and White.** This variety is the same as the above, except in color; the flowers are finely mottled.....20
- 5190 **Pæony Flowered Perfection, Mixed.** One of the most perfect; very double, large, and finely-shaped, the petals beautifully incurved, of various bright rich colors; 18 inches.....10
- 5194 **Pæony Fl'd Perfection, Pink.....15**
- 5197 **Pæony Fl'd Perfection, Blue.....10**
- 5193 **Pæony Flowered Perfection, Pure White.....15**
- 5231 **Pæony Flowered Perfection, Purple Violet.....15**
- 5185 **Mont Blanc (Goliath).** One of the largest flowering; producing pure white flowers 5 inches in diameter; extra double; 2 feet.....15
- 5187 **Needle Perfection.** Petals long, quilled and sharply pointed; mixed.....15
- 5195 **Rose Flowered.** Pyramidal, robust habit, regularly imbricated; variously colored, large, very double brilliant flowers; 2 feet.....10
- 5196 **Schiller.** A very fine late Dwarf Bouquet variety, profuse bloomer; mixed colors; 1 foot.....15
- 5205 **Victoria, Mixed.** Very large, of perfectly double form, imbricated and globular, of pyramidal habit, various colored flowers; 20 inches.....15
- 5203 **Victoria. Pure White.....15**
- 5198 **German White Quilled.** Double pure white flowers, fine for funeral designs and bouquets; 2 feet.....5
- 5200 **German Quilled, Mixed.** Perfectly double quilled flowers of beautiful mixed colors; 2 feet... 5
- 5210 **Choice German, Mixed.** Per oz., \$2.00.....10
- 5220 **Fine Mixed, China.** All colors. Per oz., \$1.00. 5
- 5230 **Perennial, Mixed.** Hardy herbaceous plants, thriving in any good garden soil. Saved from a splendid collection of single varieties; if sown early in the spring, they will flower the first season.....10

Imported Collections of Asters.

- 5179 **Finest Quilled, 18 varieties.....\$1.00**
- 5189 “ “ 10 “ 60
- 5199 **Truffaut's Pæony Perfection, 12 varieties. 1.00**
- 5209 **Victoria, 12 varieties.....1.00**
- 5219 **Boltze's Dwarf Bouquet, 12 varieties.....1.00**
- 5229 **Giant Emperor, 12 varieties.....1.00**
- 5239 **Large Rose Flowered, 10 varieties.....75**
- 5249 **Cocardeau, or Crown, 6 varieties.....50**
- 5259 **Goliath, 6 varieties.....50**

ARISTOLOCHIA ELEGANS.

ARISTOLOCHIA.

(Dutchman's Pipe.)

A rapid-growing climber; large heart-shaped foliage, and very curious flowers, resembling a pipe; hardy perennial; 30 feet.

5163 **Sipho.** Brownish purple.....10

PER PKT.

ARISTOLOCHIA—Continued.

PER PKT.

5162 **Elegans.** One of the best of this class of climbing plants. Of a rich dark purple color, ornamented throughout with irregular branched markings of a creamy white, and having a golden yellow eye surrounded by rich velvety purple. Its blossoms are produced in the open ground in the greatest profusion, even on small plants, and are entirely free from any objectionable odor.....25

ASPERULA.

A hardy dwarf annual, profuse bloomer, with clusters of small, sweet-scented flowers, lasting a long while in bloom, fine for bouquets; 1 foot.

5165 **Azurea Setosa.** Beautiful light blue..... 5

5166 **Odorata.** (Sweet Woodruff.) White; 1 foot.....10

ASPHODELUS.

(Asphodel.)

Very pretty hardy perennials, bearing attractive flowers of stately habit; 2 feet.

5168 **Mixed.** Yellow and white.....10

AURICULA.

A well-known favorite of great beauty; seed saved from splendid choice varieties; half-hardy perennial; 6 inches.

5240 **Mixed.**.....25

AZALEA.

Beautiful shrubby plants, covered with a mass of bloom, growing best in a mixture of rich, fibrous peat and sand; saved from a collection of showy, various-colored flowers; 3 feet.

5250 **Indica, Mixed.**.....25

5251 **Pontica.** A beautiful hardy perennial shrub, from the Levant. Choice mixed varieties; 4 feet.....10

BALSAM.

(Lady-Slipper, or Touch-me-Not.)

An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored double flowers in the greatest profusion; of easy culture; succeeds in a good, rich soil; tender annuals; 2 feet.

5263 **Maiden's Blush.**.....10

5254 **The King.** Brilliant scarlet; very double.....10

5256 **Solferino.** Striped and spotted with lilac and crimson; beautiful double flowers.....10

5255 **Rose Flowered.** Pink.....10

5261 " " Light Lemon.....10

5262 " " Violet.....10

5257 **Extra Double White.** The finest strain of double white Camellia Balsams, and a profitable florists' flower. Per oz. \$1.00.....10

5260 **Camellia Flowered.** Very double, of perfect form; beautiful colors, mixed. Per oz. \$1.00.....10

5258 **White Perfection.** This beautiful large snow-white variety has thoroughly double and immense solid round flowers. Per oz. \$2.00.....20

5270 **Double, Mixed.** Occasionally only semi-double. Per oz. 50 cts..... 5

5269 **Collection** containing 6 varieties of improved Camellia Flowered Balsam.....\$1.00

5279 **Collection** containing 12 varieties of Rose Flowered Balsam.....\$1.00

5289 **Collection** containing 6 varieties Dwarf Camellia Flowered Balsam.....50

TUBEROUS BEGONIA.

CARDIOSPERMUM.

BRACHYCOME.

BRYONOPSIS.

BALSAM APPLE AND BALSAM PEAR (See Momordica).

BALLOON VINE.

(Love in a Puff.)

A rapid-growing plant; succeeds best in a light soil and warm situation; flowers white; half hardy annual; 5 feet.

- 5272 *Cardiospermum Halicacabum*. Per oz. 30
cts..... 5

BAPTISIA.

(False Indigo.)

A beautiful hardy perennial herbaceous plant, producing pea-shaped flowers, on spikes 6 inches long.

- 5274 *Australis*. Bright blue; 2½ feet..... 10

BARTONIA.

Producing showy flowers, above its gray and downy thistle-like foliage, which are exceedingly brilliant in the sunshine. Sow where it is to remain, as it does not bear transplanting well; hardy annual; 2 feet.

- 5275 *Aurea*. Large golden yellow..... 5

BEANS.

Very rapid climbers; flowering profusely and admirably adapted for covering screens, etc.

- 5292 *Scarlet Runner*. Fiery scarlet..... 5
5293 *White* " Pure white..... 5

BEET.

The ornamental-leaved Chilian Beets are among the most useful of the decorative foliage plants. For planting in ribbon-beds or in groups they are very effective.

- 5288 *Red Chilian*. Brilliant red foliage..... 10
5287 *Yellow* " Golden yellow..... 10

BEGONIA.

Plants of great value for summer decoration or window gardening. To secure the best results they should be planted as soon as the ground becomes warm. They are covered the whole summer with bright and elegant drooping flowers; blooming the first season from seed, if sown in February or March, in a temperature of 60 degrees; for winter and spring blooming, sow from August to October. Tubers must be kept from frost in dry sand.

- 5300 *Rex Hybrida, Mixed*. Beautiful varieties of the Rex class, with handsome variegated foliage; choice mixed; 6 inches..... 25
5277 *Boliviensis Superba*. Large, orange-scarlet flowers..... 25
5281 *Frœbeli*. Beautiful large bright scarlet flowers, formed in large clusters above the foliage..... 25
5285 *Pearcei*. Large bright yellow flowers, and beautiful foliage veined with black..... 25
5278 *Robusta, Perfecta*. Robust, compact habit, succulent dark green foliage, and large flowers of a brilliant cinnabar scarlet..... 25
5290 *Single, Mixed*. Tuberous-rooted..... 25
5280 *Double Tuberous-Rooted, Mixed*. The seed we offer has been hybridized with the greatest care, using the most double flowers, and the handsomest single varieties for that purpose..... 50

BEGONIA—Continued.

- 5282 *Roezli*. Seeds sown in April make strong plants by September; the flowers appear in October, resembling an open Pæony. They are enveloped in a dark red spathe, and rapidly expand into a beautiful umbel of large size, composed of luminous deep red flowers. In a greenhouse this species blooms freely until March. A fine bouquet flower. 25
5284 *Schmidtii*. Flowers white, slightly tinged with pink, contrasting finely with the dark green foliage. Its dwarf, branching globe-shaped habit makes it a most desirable plant, being literally covered with flowers from May until November; blooms all winter in the greenhouse..... 25

BIDENS.

(Dahlia Zimapani.)

A free-flowering tender annual having beautiful foliage and bearing fine and attractive flowers. The roots can be preserved like Dahlias; 1 foot.

- 5303 *Atrosanguinea*. Rich dark crimson, with yellow anther..... 10

BLACK-EYED SUSAN.

(See Thunbergia.)

BOCCONIA.

A beautiful, effective plant, for single specimens or groups on lawns. Foliage white on the under side, and spikes of cream-colored flowers from 2 to 3 feet long; hardy perennial; 5 feet.

- 5305 *Japanica*..... 10

BRACHYCOME.

(Swan River Daisy.)

Free-flowering, dwarf-growing plants, covered during the greater part of the summer with a profusion of pretty Cineraria-like flowers; suitable for edgings and small beds, or put-culture; half-hardy annual.

- 5307 *Iberidifolia, Mixed*. Light blue and white; 6 inches..... 5

BROWALLIA.

One of our favorite profuse-blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, growing freely in any rich soil; blooms finely in the winter if sown in August; half-hardy annual; 18 inches.

- 5323 *Elata Grandiflora Cœrulea*. Large sky-blue flowers with a white centre..... 5
5321 *Elata Alba*. Pure white flowers..... 5
5324 *Elata Cœrulea Nana*. Dwarf sky-blue..... 10
5330 *Mixed*. All the Elata varieties..... 5
5325 *Abbreviata (Pulchella)*. Deep rose color..... 20

BRYONOPSIS.

A beautiful plant of the gourd species, with ivy-like pale green foliage and showy scarlet fruit, striped with white; half-hardy annual; 10 feet.

- 5318 *Laciniosa Erythrocarpa*..... 5

CALLIOPSIS.

CAMPANULA MEDIA.

ROCKET CANDYTUFT.

CAMPANULA CARPATICA

CACALIA.

(Tassel Flower.)

A neat, half-hardy annual of easy culture, with tassel-shaped flowers; blooms from July to September in clusters; fine for borders. Golden yellow and scarlet; 1½ feet.

5340 Mixed. Per oz., \$1.00..... 5

CALCEOLARIA.

An ornamental plant, producing a mass of beautiful pocket-like flowers early in the spring, and a universal favorite for decorating the greenhouse or conservatory.

- 5350 **Hybrida Grandiflora, Tall, Mixed.** Large-flowering, robust and very floriferous, being completely covered with beautiful rich, self-colored flowers; saved from a choice collection; all colors; 20 inches.....25
- 5352 **Hybrida Grandiflora Tigrina, Tall, Mixed.** Large-flowering, tigered and spotted flowers; the very finest mixture of the most brilliant colors; 20 inches.....50
- 5353 **Hybrida Grandiflora Pumila Compacta.** The features of this new strain are dwarf, compact, robust growth, producing immense trusses of large and varied brilliant self-colored and spotted flowers; 1 foot.....50
- 5354 **Rugosa, Mixed (Shrubby).** Small-flowering varieties for bedding; of the finest colors; 2 feet.....50

CALENDULA.

(Marigold.)

Showy, free-flowering hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders, and continuing in bloom until killed by frost; 1 ft.

- 5343 **Pongei Flore Pleno.** Showy, very double white flowers..... 5
- 5347 **Ranunculoides Flore Pleno (Pot Marigold).** Beautiful double orange-colored flowers..... 5
- 5345 **Officinalis Meteor.** A splendid variety, very large double-striped and imbricated flowers, of a deep orange on a pale yellow ground..... 5
- 5348 **Prince of Orange.** This novelty surpasses in beauty the well-known popular Calendula Meteor; the stripes around each petal are of a deep orange color, making a brilliant appearance.....10

CALLIOPSIS, or COREOPSIS.

Showy and useful free-flowering plants; the tall varieties are very effective in mixed borders, while the dwarf, from their close, compact habit of growth, make fine bedding plants; of easy cultivation; hardy annuals.

- 5358 **Coronata.** A very showy sort with large yellow spotted flowers..... 5
- 5355 **Drummondii.** Large yellow, with crimson centre; 1 foot..... 5
- 5356 **Lanceolata.** A hardy perennial sort bearing large flowers of a lovely golden yellow color..... 5
- 5357 **Nigra Speciosa.** Beautiful, rich, velvety-crimson; 2 feet..... 5
- 5360 **Mixed.** All the choice kinds; 2 to 3 feet. Per oz., 60 cts..... 5

CALANDRINIA.

Beautiful creeping, free flowering plants, with succulent stems and fleshy leaves, adapted for rock-work or hot situations, requiring light, rich soil; hardy annuals; 1 ft.

5342 **Grandiflora, Mixed.**..... 5

CAMELLIA.

Favorite winter flowering, half-hardy greenhouse shrubs. Soak the seed before sowing, as they lie long dormant; sow in sandy peat and loam. Seed saved from the finest double varieties.

5370 **Japonica Double, Mixed.** From 5 to 10 ft....25

CAMPANULA.

(Bell-Flower.)

Well-known beautiful hardy herbaceous perennials, bearing a great profusion of attractive bloom, thriving best in light rich soil; some of the varieties flower the first season if planted early. Carpatica and Speculum are fine for beds, edgings and ribbon-gardening.

- 5368 **Pyramidalis (The Chimney Campanula).** A beautiful and stately plant, either for garden or pot-culture; mixed blue and white flowers; hardy perennial; 3 feet..... 5
- 5367 **Carpatica, Mixed.** Free-flowering, blue and white mixed, continuing in bloom the whole season; hardy perennial; 6 inches..... 5
- 5366 **Macrostyla Rosae-flora.** A new, beautiful rose-flowering variety of this favorite type; hardy perennial, flowering first season, if sown early; 2 ft....15
- 5420 **Media, Single, Mixed (Canterbury Bells).** Beautiful large bell-shaped flowers; effective plants for border or pot-culture; hardy biennials; 2½ ft.... 5
- 5410 **Media, Double, Mixed.** All the double Media varieties; 2½ feet..... 5
- 5363 **Media Calycanthema.** This is the finest variety of Campanula, producing plants with white and blue flowers resembling cup and saucer; mixed.....10
- 5365 **Speculum Flore Pleno.** A double blue variety of Venus' Looking-Glass, fine for cutting and bouquets; 6 inches..... 10

CANDYTUFT.

(Iberis.)

A beautiful and useful plant of the easiest culture, for growing in beds or masses; the white varieties are extensively grown by florists for bouquets; by frequent sowings they can be had during the winter and summer.

- 5381 **Fragrant (Pectinata).** Pure white, sweet-scented; 1 foot. Per oz., 30 cts..... 5
- 5382 **White Rocket (Amara).** Large trusses of pure white flowers; much prized by florists; 1 foot. Per oz., 50 cts..... 5
- 5383 **White Tom Thumb (Coronaria Nana).** This variety grows 6 inches high and forms a round bush about 16 inches in diameter, covered with large white flower-heads of great substance.....10
- 5384 **Umbellata Lilacina.** Of a purplish or deep lilac color; 1 foot..... 5
- 5385 **Umbellata Purpurea.** Dunnett's darkest crimson; very beautiful; 1 foot..... 5

CARNATION.

CELOSIA GLASGOW PRIZE.

CEDRONELLA.

CANNA.

CANDYTUFT—Continued.

- 5386 **Umbellata Carminea.** This new variety is of dwarf, compact habit, and bears a mass of extra fine carmine bloom; 6 inches.....10
- 5390 **Fine Mixed.** All the above tall-growing varieties; 1 foot. Per oz., 30 cts.....5
- 5387 **Umbellata Nana, Mixed Dwarf.** These elegant dwarf hybrids are very floriferous, and remarkable for their numerous and brilliant colored flowers, shading from pure white into dark purple; 6 inches.....10
- 5388 **Sempervirens.** A profuse white blooming hardy perennial, adapted for rockeries, baskets, etc., coming in flower early in the spring, and continuing a mass of beauty for a long time; 1 foot.....10
- 5389 **Collection of six sorts**.....30

CANNA.

(Indian Shot Plant.)

Highly ornamental plants producing a rich effect by their large, broad and massive foliage, terminated by racemes of crimson, orange, or scarlet flowers. Soak the seed 12 hours in hot water before planting; sow in sandy loam and peat, and place in a hot-bed; when up to the second leaf, pot off singly and keep under glass until the proper season for planting out; take up the roots before frost, and preserve in a warm cellar or room; half-hardy perennials.

- 5391 **Bihorelli.** Scarlet; rich brown leaves; 2 ft.....10
- 5392 **Bonneti Excelsa.** Foliage green and purple; flowers large orange-red; 6 feet.....10
- 5393 **Coquette.** Foliage green and bronze; the largest orange-colored flowers; 6 feet.....10
- 5394 **Marechal Vaillant.** Foliage rich maroon, with large orange-colored flowers; 6 feet.....10
- 5395 **Monsieur Allegatiere.** Foliage large, green, and bronzy purple, orange-red flowers; 4 feet.....10
- 5398 **A. Weick.** Pea-green; crimson scarlet flowers.....10
- 5396 **Nigricans.** Scarlet flowers, foliage intensely dark; 7 feet.....10
- 5397 **Ornement du Grand Rond.** Foliage bronzy green, large scarlet flowers; 6 feet.....10
- 5401 **Premices de Nice.** Showy bright green leaves and splendid large golden flowers; 6 feet.....10
- 5403 **President Faivre.** Foliage bronzy maroon, large brilliant crimson flowers; 6 feet.....10
- 5405 **Tricolor.** Foliage green, red and creamy yellow, flowers red; 3 feet.....10
- 5400 **Choice Mixed.** All colors. Per oz., 30 cts.....5
- 5399 **Collection of 12 varieties of Canna**.....\$1.00

CARNATION or PICOTEE.

(Dianthus Caryophyllus Flore Pleno.)

Carnations and Picotee Pinks are general favorites for their delicious fragrance and richness of colors. The seed we offer has been imported from the best sources in Europe, and will produce many splendid novelties in double and semi-double flowers; protect during the winter; half-hardy perennials; 1½ feet.

- 5425 **Finest German.** Mixed colors; saved from extra fine double-named flowers.....50

CARNATION—Continued.

- 5426 **Remontant, or Tree (Double Perpetual).** Mixed colors; saved only from the finest and choicest double-named flowers.....50
- Grenadin.** A new dwarf, compact variety of great value to florists and market gardeners; producing a profusion of large double brilliant scarlet-colored flowers, three weeks earlier than any other variety; fine for borders or massing; 1 foot.....25
- 5430 **Fine Double, Mixed.** The hardiest and best varieties for garden culture.....25
- 5429 **Collection of finest German Carnation, 12 varieties, each separate**.....\$1.00

CASTOR OIL BEAN.

(See Ricinus.)

CEDRONELLA.

A hardy perennial plant, with fragrant foliage and long spikes of purplish flowers, remaining in bloom a long time; 2 feet.

- 5435 **Canna**.....5

CENTRANTHUS.

Pretty, free-flowering, compact-growing plants, with long-tubed flowers produced in clusters; fine for massing; succeeds in any garden soil; hardy annuals; 1½ feet.

- 5470 **Mixed.** All colors; 1½ feet.....5

CELOSIA.

Free blooming graceful plants, growing best in rather light soil not too rich, producing spikes of beautiful, feathery and comb-shaped flowers; grown in pots, they are fine for the greenhouse or conservatory. The spiked varieties are fine for cutting and drying for winter bouquets, which should be done when in full bloom and before they fade. The Cristata varieties are the well-known Cockscomb. All the Celosias are half-hardy annuals.

- 5447 **Golden Plume.** Pyramidal habit. The flowers are a bright golden yellow, and are borne in profusion over the whole plant, giving it a rich golden appearance; 3 feet.....15
- 5446 **Huttoni.** Of bushy pyramidal habit, each branch being tipped with a spike of bright crimson flowers; the upper surface of the leaf is a deep claret, while the under side is a rich crimson; 3 feet.....10
- 5445 **Plumosa Superba.** A beautiful feathered variety; mixed colors; 3 feet.....10
- 5444 **Japanica (Japanese Cockscomb).** A distinct, handsome variety. Combs of the most brilliant scarlet or crimson, often in pyramidal masses, cut and ruffled like lace; 2 feet.....10
- 5440 **Cristata Variegata.** Magnificent; large heads variegated with crimson, orange, green, shaded and striped; of the most brilliant hues; 3 feet.....10
- 5442 **Cristata, Glasgow Prize.** Producing dark foliage, immense showy dark crimson combs; 1 ft.....10
- 5443 **Cristata, Dwarf Crimson.** Large, showy velvet-like combs; 1 foot.....5
- 5450 **Cristata, Mixed.** Fine dwarf varieties of Cockscomb. Per oz., 75 cts.....5
- 5449 **Collections of 6 varieties Dwarf Cockscomb**.....50

CENTAUREA CYANUS.

CHRYSANTHEMUM.

CINERARIA.

CLARKIA.

CENTAUREA.

Fine for bedding, vases, hanging-baskets and pots; also extensively used for margins. Sow the seed from December to April in a temperature of 60 degrees; half-hardy perennials.

	PER PKT.
5457 Gymnocarpa. Very graceful, fine cut, silvery-gray foliage; 1½ feet. Per 1,000 seeds, \$1.50	15
5454 Candidissima. Splendid silvery, broad, cut leaves; 1 foot. Per 1,000 seeds, \$1.50	15
5456 Clementei. A robust, free-growing plant, with crowns of silvery leaves, deeply fringed and cut; 1½ feet	15
5462 Cyanus (<i>White Corn Flower</i>)	5
5460 Cyanus, Mixed (<i>Blue Bottle, or Corn Flower</i>). In bloom all summer; mixed colors; 1½ feet	5
5461 Suaevolens. Fragrant, bright yellow	5

CHAMÆPEUCE.

(*Ivory Thistle.*)

An elegant perennial Thistle, very ornamental for garden decorations; the mid-rib and spines are ivory-white and the leaves glossy green, shaded by a snowy down; 2 feet.

5475 Diacantha	10

CHRYSANTHEMUM.

(*Paris Daisies, or Marguerites.*)

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer-flowering border plants; good for pot culture, and quite distinct from the autumn-flowering varieties.

5484 Burridgeanum. Attractive single flowers, crimson, with white edge and inner white circle, fine for cut flowers; 1 foot	5
5485 Dunneti Flore Pleno. Double white	5
5487 Aureum. Double yellow; 1½ feet	5
5491 Inodorum Flore Pleno. A new variety, producing fine large double white flowers; an excellent bouquet flower; 20 inches	10
5500 Choice Mixed. Double-flowering summer varieties; 1 to 2 feet. Oz., 50 cts.	5
5488 Frutescens Grandiflorum. A perennial species, extensively used in the parks and gardens of Paris. It is literally covered all summer with a profusion of white star-like flowers with a yellow disc; 2 ft.	15
5495 Segetum Grandiflorum. Large blooms of a bright sulphur-yellow color, measuring 2 to 2½ inches in diameter	15
5480 Indicum Majus. Choice mixed large-flowering double varieties; half-hardy perennial; 3 feet	15
5482 Indicum Nanum. Pom-pone or small flowering varieties, half-hardy perennial; fine for florists' flowers. Choice mixed; very double; 2 feet	15
5493 Carinatum, "Eclipse." An exceedingly showy variety, pure golden yellow, with a bright purplish-scarlet ring or centre on the ray florets, the disc being dark brown	10
5486 W. E. Gladstone. Brilliant crimson. A showy flower	10
5481 Golden Feather. White, banded crimson, inner ring canary yellow, maroon eye	10
5483 The Sultan. Crimson maroon, golden yellow centre	10
5490 Japanese. A mixture of fine sorts, which should produce many showy varieties	25

CINERARIA.

(*Cape Asters.*)

A favorite attractive free-flowering plant, blooming during the winter and spring months; perennials, but do best treated as tender annuals.

	PER PKT.
5530 Hybrida, Tall, Mixed. Saved from extra choice flowers and colors; 2 feet	25
5540 Dwarf, Mixed. Dwarf, compact, saved from extra choice flowers and colors; 1 foot	25
5520 Grandiflora Prize, Tall Mixed. This strain is unsurpassed for beautiful colors and size of flowers; selected from prize varieties; 2 feet	50
5510 Grandiflora Prize, Dwarf Mixed. Same as the above, except being of dwarf varieties; 1 foot	50
5550 Double Mixed. This is quite an acquisition to our list of florists' flowers, which for cutting can hardly be surpassed. All the rich and beautiful colors of the single exist in this variety; 2 ft.	50

CINERARIA.

(*Dusty Miller.*)

Fine for bedding, ribbon-beds, and margins; prized for their beautiful downy silvery foliage; half-hardy perennials; 2 feet.

5555 Maritima Candidissima. With large silver foliage; clusters of yellow flowers. Per oz., \$2.00	10
5556 Acanthifolia. Silvery foliage, beautifully cut like the Acanthus	10

CLARKIA.

An old favorite hardy annual plant, growing in any garden soil, and producing freely its cheerful flowers early in the season. Sow the seed early in the spring or in the autumn; 1½ feet.

5560 Single. Mixed colors	5
5570 Double. Mixed colors	5

CLEOME.

(*Spider Plant.*)

Singular-looking rose-colored flowers; the stamens look like spider's legs, and present a very attractive appearance; half-hardy annual; 3 feet.

5581 Grandiflora	5

CLEMATIS.

Rapid-growing climbers, fine for arbors and verandas; the small varieties flower in clusters, and are very fragrant; the large-flowering varieties are very handsome, and are continually in bloom. Soak the seed in warm water for 24 hours before sowing; hardy perennials; 15 feet.

5575 Flammula (<i>Virgin's Bower</i>). Producing beautiful clusters of small white fragrant flowers	10
5590 Vitalba (<i>Traveller's Joy</i>). Clusters of fragrant small white flowers	10
5577 Hybrida Grandiflora. Large-flowering, mixed colors	20

COBÆA.

A climber of rapid growth, flowering the first season if sown early in the house or hot-bed. In sowing, place seeds edgewise and merely cover with light soil; half-hardy perennial; 20 feet.

5586 Scandens. Large, bell-shaped purple flowers	10

CLIANTHUS.

CONVOLVULUS MAURITANICUS

COLLINSIA.

MORNING GLORY

CLIANTHUS. (Australian Glory Pea.)

A beautiful greenhouse perennial shrub, bearing clusters of drooping, brilliant, rich scarlet, pea-shaped flowers, 3 inches in length, each flower picturesquely marked with a large black blotch in the centre. Plant out in May or June, when the weather has become warm, in a rather dry, sheltered, sunny position; 4 feet.

5584 *Dampieri*.....25

COCCINEA.

A handsome climber of the gourd species, flowering the first season if started early in heat, with beautiful smooth, glossy, ivy-like leaves, contrasting with the fine, snow-white, bell-shaped flowers, and brilliant carmine fruit; half-hardy perennial; 10 feet.

5588 *Indica*.....10

COLEUS.

Our new strain of hybrid varieties produces the finest colored, most attractive and novel foliage plants for house or garden culture. Sow in March or April. Mixed colors and varieties.

5640 *Dreer's Hybrids*.....25

COLLINSIA.

Very pretty free-flowering plants, blooming in whorls and several whorls around each flower stem; mixed, of all varieties and colors; hardy annual; 1½ feet.

5650 *Mixed*.....5

COMMELINA.

A tuberous-rooted, free-blooming, very pretty plant; succeeds in a light, rich soil. The roots can be preserved like Dahlias; half-hardy perennials, blooming the first season from seed; 1½ feet.

5602 *Cælestis Cærulea*. Rich sky-blue.....5

5603 *Cælestis Alba*. Pure white.....5

CONVOLVULUS MINOR. (Dwarf Morning Glory.)

Rich colored, handsome, dwarf, trailing plants, producing in beds and mixed borders an unusually brilliant effect; their flowers close in the afternoon like the climbing varieties; hardy annuals; 1 foot.

5606 *Tricolor*. Violet and purple, with white centre and yellow eye.....5

5607 *Kermesinus Violaceus*. This new variety is very striking, having a bright yellow eye, encircled with snowy white, and broadly margined with rich crimson violet.....10

5608 *Cantabricus*. Flowers rosy-purple, a beautiful trailing plant for hanging-baskets, or for bedding; hardy perennial.....10

5611 *Mauritanicus*. A beautiful trailing plant for hanging-baskets; blue flowers.....10

5613 *Tricolor Roseus*. A charming novelty, with rose-colored flowers, pure white centre, fringed with purplish-violet and shaded towards the throat to golden yellow; 1 foot.....10

5620 *Mixed*. All colors. Per oz., 30 cts.....5

CONVOLVULUS MAJOR. (Morning Glory.)

One of the most free-flowering and rapid-growing plants in cultivation, thriving in almost any situation; the beauty and delicacy of their brilliant flowers are unsurpassed; hardy annuals; 15 feet.

5623 *Large Blue*.....5
56.5 *Large White*.....5
5621 *Burridgi*. Flowers large rosy-crimson, with a white centre.....5
5630 *Mixed*. All colors. Per oz., 20 cts.....5
5629 *Collection of Climbing Morning Glory*, 10 varieties.....40
See also *IPOMÆA*.

ENGLISH COWSLIP. (See *Primula Veris*.)

CUPHEA. (Lady's Cigar Plant.)

A very free-flowering plant, bearing tubular flowers of a bright red color; very floriferous.

5655 *Roetzli Grandiflora Superba*.....15

CYCLAMEN PERSICUM.

Charming bulbous-rooted plants, with beautiful foliage, and rich-colored orchid-like fragrant flowers; universal favorites for winter and spring blooming. If seed is sown early they make flowering bulbs in one season; they require sandy loam; half-hardy perennial; 6 inches.

5663 *Atro-Rubrum*. Large dark crimson.....25

5662 *Album*. Pure white.....25

5670 *Mixed*. All colors.....25

CYCLAMEN GIGANTEUM.

This new large-flowering variety has beautiful mottled leaves, broad petals, and stout flower-stalks, throwing the flowers well above the foliage; 8 inches.

5658 *Rubrum*. Rose, changing to crimson.....50

5659 *Album*. Pure white, violet-purple eye.....50

5660 *Mixed*. Rich colors.....50

CYPRESS VINE. (*Ipomæa Quamoclit*.)

One of our most popular vines, with very delicate fern-like foliage, and masses of beautiful small, star-shaped flowers. Sow in May; 15 feet.

5674 *Crimson*. Per oz., 50 cts.....5

5676 *White*. Per oz., 50 cts.....5

5680 *Mixed*. White and crimson. Per oz., 50 cts.....5

5677 *Hederæfolia Coccinea* (*Scarlet Ivy-leaved*). A rapid-climbing variety, with deeply-lobed, ivy-like leaves, and small, fiery scarlet flowers, produced in profusion the whole summer. Per oz., 75 cts.....5

CYCLANTHERA.

A climbing plant of the gourd species, free-growing, handsome foliage and oval-shaped fruit, exploding loudly when ripe; half-hardy annual; 10 feet.

5672 *Explodens*.....5

DAISY.

DATURA.

DELPHINIUM.

DIANTHUS LACINIATUS FL. PL.

DAISY. (*Bellis Perennis*.)

A favorite plant for beds or pot culture, or for edging in shady situations; in bloom from April to June. The seed we offer is saved from the finest double varieties; half-hardy perennials. Daisies may be easily raised from seed sown in the spring and had in flower in short space of time.

5690	Mixed. All colors; 4 inches.....	20
5682	Double White.....	20
5684	Longfellow. This variety comes true from seed; it is of unusual size and has very double dark rose flowers.....	25

PER PKT.

DAHLIA.

One of our best autumnal flowering plants; blooms until killed by frost; tuberous-rooted half-hardy perennials; blooming the first year from seed, if sown early; protect the roots during winter in a dry cellar in sand; 2 to 8 feet.

5692	Large Flowering. Saved from the finest double flowers. Mixed.....	20
5693	Small Flowering (<i>Bouquet</i> or <i>Liliputian</i>). Saved from choice double flowers; mixed colors.....	20
5694	Single Mixed. Large showy single flowers. Seed saved from a splendid collection.....	20
5699	Choicest Single. 12 sorts, \$1.00.	

DATURA. (*Trumpet Flower*.)

In large clumps and borders of shrubbery they produce an excellent effect, continuing in bloom until frost; flowering the first year from seed, if sown early. They can be preserved in sand during the winter in a dry cellar free from frost; half-hardy perennials; 3 feet.

5697	Humilis Flava Flore Pleno. Large double flowers, of a deep golden yellow; delightfully fragrant.....	5
5700	Fastuosa Huberiana, Mixed. From large double flowers of various colors.....	10
5698	Wrightii (<i>Meteloides</i>). Large single trumpet-shaped flowers, white, with a lilac border.....	5
5606	Arborea Simplex (<i>Brugmansia</i>). Large single trumpet-shaped, white, fragrant flowers, about 12 inches long. Plant out in May.....	20

DOUBLE DAHLIA.

SINGLE DAHLIA.

DELPHINIUM. (*Larkspur*.)

One of our most showy and useful plants, possessing almost every requisite for the adornment of the garden; the hardy perennials producing splendid spikes of flowers in profusion throughout the summer. If sown early they bloom the first year from seed. The hardy annuals are profuse bloomers, and succeed best if sown in the autumn, or very early in the spring.

PER PKT.

5705	Formosum. Beautiful spikes of brilliant rich blue flowers, with a white centre; 2½ feet.....	10
5706	Nudicaule. Dwarf, of compact growth, with spikes of bright scarlet flowers; 18 inches.....	10
5708	Cashmerianum. A beautiful dark blue, blooms in corymbs of six or more; 15 inches.....	20
The above are hardy perennials, and the following are hardy annuals:		
5710	Double Dwarf Rocket (<i>Hyacinth-flowered Larkspur</i>). Finest mixed; 1 foot. Per oz., 60 ets.	5
5713	Double Dwarf Candelabra Flowered. Shaped like a candelabra; flowering until quite late; mixed colors; 1 foot.....	5
5711	Double Stock Flowered. A tall-branching variety, with beautiful long spikes of flowers of various colors; fine for cut-flowers; 2 feet.....	5
5715	Imperiale Flore Pleno (<i>Emperor Larkspur</i>). Of symmetrical bushy habit, with a profusion of brilliant dark blue, red-striped and tri-color flowers; 1½ feet.....	5
5709	Collection of Dwarf Rocket Larkspur; 10 varieties.....	50
5719	Collection of Stock Flowered Larkspur; 8 varieties.....	50

DIANTHUS. (*Pinks*.)

A magnificent genus, embracing some of the most popular flowers in cultivation, producing a great variety of brilliant colors and profusion of bloom. The hardy biennials, or Chinese and Japanese varieties, bloom the first season, the same as hardy annuals; height, 1 foot. The hardy perennial varieties are very fragrant, and of easy culture for the garden or greenhouse.

5720	Chinensis (<i>China</i> or <i>Indian Pink</i>). Extra double, all colors mixed. Per oz., 75 ets.....	5
5721	Chinensis Flore Albo Pleno. Extra double pure white.....	5
5722	Imperialis (<i>Double Imperial Pink</i>). Double. Variegated, mixed colors.....	5
5730	Heddeewigi Flore Pleno (<i>Double Japan Pink</i>). Seed saved from extra double flowers, colors varying from the richest velvety crimson to the most delicate rose, all colors mixed.....	10
5740	Heddeewigi Diadematus Flore Pleno (<i>Double Diadem Japan Pink</i>). Beautiful double flowers from 2 to 3 inches in diameter; mixed of varied tints of lilac, crimson, purple, to very dark purple; with the outer edges fringed and nearly white; dwarf compact growing plants.....	10
5728	Laciniatus Flore Pleno (<i>Double Fringed Japan Pink</i>). Large double showy flowers with fringed edges, mixed, various colors and beautifully striped.....	10

DIANTHUS, MOURNING CLOAK.

DICTAMNUS.

ESCHSCHOLTZIA.

EVENING PRIMROSE.

DIANTHUS—Continued.

PER PKT.

- 5724 **Mourning Cloak.** Rich, blackish crimson; a very fragrant and effective flower.....10
- 5723 **Nanus Atro-Sanguineus.** A dwarf plant producing globular double dark blood-red flowers in great profusion; 6 inches.....10
- 5725 **Pheasant's Eye** (*Plumarius Simplex*). A beautiful single variety, with fringed-edged white flowers, and a dark centre; hardy perennial; 1 foot.... 5
- 5727 **Plumarius Scoticus Flore Pleno** (*Double Scotch, or Paisley Pinks*). Double, large flowering, with fringed edges of various colors, mixed; 1 foot; hardy.....20
- 5742 **Fine Garden Pinks** (*Hortensis Varieties*). Beautiful double mixed colors; 2 feet; hardy.....10
- 5739 **Collection of China and Japan Pinks**; 12 varieties, each color separate.....60

DICTAMNUS.

(Fraxinella.)

A hardy perennial, fragrant, free flowering, herbaceous plant, suitable for mixed borders; thriving in any common soil; producing racemes of flowers often 1 foot in length.

- 5745 **Mixed.** White and red; 2 feet.....10

DIGITALIS.

(Foxglove.)

A handsome and highly ornamental, hardy perennial plant, of stately growth, fine for shrubberies and other half-shady places; 3 feet.

- 5750 **Gloxinaeflora.** Gloxinia-shaped flowers. A lovely type; all colors mixed..... 5
- 5751 **Monstrosa.** Mammoth Foxglove. The largest and best type; all colors mixed.....10

DOLICHOS (See Hyacinth Bean).**DUSTY MILLER** (See Centaurea and Cineraria).**ECCREMOCARPUS.**

(Calampelis.)

A rapid growing climber, with pretty foliage; producing in profusion clusters of orange, tube-shaped flowers.

- 5775 **Scaber**..... 5

ECHEVERIA.

Very desirable plants for bedding or for borders, blooming the second season. They can be wintered in a light cellar free from frost.

- 5776 **Mixed**.....25

ERYSIMUM.

(Hedge Mustard.)

A showy free flowering, hardy annual, somewhat resembling the single wall-flower, very effective in beds or borders.

- 5784 **Peroffskianum.** Fragrant orange-colored flowers; 1½ feet..... 5

ERYTHRINA.

(Coral Plant.)

An ornamental half-hardy perennial shrub, fine for out-door summer decoration, with beautiful foliage and superb spikes of scarlet pea-shaped flowers; 5 feet.

- 5786 **Crista Galli**.....25

EUPATORIUM.

A very pretty herbaceous hardy perennial plant, blooming the first season from seed, producing clusters of snowy-white flowers; fine for cutting and bouquets; 1½ ft.

- 5804 **Fraseri**.....10

ESCHSCHOLTZIA.

(California Poppy.)

Very attractive plants for beds, edgings, or masses; profuse flowering and fine cut foliage, in bloom from June till frost; hardy annuals; 1 foot.

PER PKT.

- 5788 **Crocea Aurantiaca.** Rich orange..... 5
- 5787 **Crocea Alba.** Creamy white..... 5
- 5796 **Mandarin.** Inner side of the petals rich orange, the outer side brilliant scarlet; when in full bloom the plants of this charming novelty present a gorgeous outline.....10
- 5790 **Crocea Flore Pleno, Mixed.** A double-flowering, orange-scarlet and white.....10
- 5795 **Rose Cardinal.** A charming new variety, producing freely, beautiful large flowers, of intense carmine.....10
- 5800 **Mixed.** All colors. Per oz., 40 cts..... 5

EUPHORBIA.

(Snow on the Mountain.)

Attractive foliage, with white and green bracts on the tip of each branch, veined and margined with white; 2 ft.

- 5806 **Variegata**..... 5

EUCHARIDIUM.

A rare and beautiful plant, of dwarf spreading habit and narrow lanceolate foliage. The color of the flowers is a pleasing purplish rose, shading to white in the centre. It flowers very profusely and is of easy culture.

- 5808 **Breweri**.....15

EVENING PRIMROSE, OR

(Sun Drops.)

A hardy, perennial garden plant, with large fragrant, showy flowers; blooms the first season from seed.

- 6204 **Lamarekiana.** Rich canary yellow, a large and magnificent flower.....10
- 6205 **Grandiflora Odorata.** Yellow; 3 feet..... 5

EVERLASTINGS.

This class of plants has become very popular, and they are generally cultivated for their beautiful rich-colored flowers, which are desirable for making up winter bouquets, wreaths, and Christmas decorations. They should be cut when they come into full bloom, or before the flowers get too old and lose their bright colors, tied in small bunches, and dried slowly in the shade, with their heads downwards, to keep the stems straight.

GOMPHRENA.

ACROCLINIUM.

HELICHRYSUM.

STATICE.

FENZLIA.

FUCHSIAS.

EVERLASTINGS—Continued.

ACROCLINIUM. Charming border plants with beautiful flowers, growing freely in any good garden soil; half-hardy annuals; 1 foot.

- 5021 **Roseum.** Bright rose. PER PKT. 5
 5030 **Mixed.** Per oz., 60 cts. 5
 5025 **Roseum Flore Pleno.** This new double rose-colored variety is the best yet introduced. The flowers are larger than the single, plant taller and more branching; 15 inches. 10

AMMOBIUM. A pretty, useful border plant much used as an everlasting flower for winter bouquets; hardy annual; 2 feet.

- 5112 **Alatum.** Showy small white flowers. 5
 5114 **Alatum Grandiflorum.** Flowers pure white and double the size of above. 10

GOMPHRENA (*Globe Amaranth, Bachelor's Button*). Handsome flowers of various colors. It does best if sown in a hot bed; half-hardy annuals; 2 feet.

- 5892 **Alba.** Pure white. 5
 5895 **Purpurea.** Rich crimson. 5
 5893 **Aurea.** Orange-colored. 5
 5900 **Mixed.** All colors. Per oz., 50 cts. 5

HELICHRYSUM. Exceedingly effective double flowers, making a fine display in beds or borders; they succeed in any rich garden soil; hardy annuals; 1½ ft.

- 5925 **Album.** Pure white. 5
 5928 **Atro-Sanguineum Nanum.** A new dwarf variety, with deep crimson flowers; 1 foot. 5
 5930 **Finest Mixed.** All varieties and colors. Per oz., \$1.00. 5

HELIPTERUM. A very pretty border plant of dwarf habit, bearing large globular clusters of bright golden-yellow flowers; 1 foot.

- 5942 **Sanfordi.** 10

RHODANTHE. A charming plant; succeeds in a light, rich soil, and a warm, sheltered situation; valuable for pot or border culture; half-hardy annuals; 1 foot.

- 6462 **Atro-Sanguinea.** Disk of the flowers of a dark crimson shade, with ray scales of bright purple. 10
 6460 **Fine Mixed.** 10

STATICE. An interesting plant with showy blossoms, which remain a long time in bloom; free flowering and of easy culture; half-hardy annuals; 1 foot.

- 6580 **Incana Hybrida, Mixed.** Small flowering varieties; fine for grass bouquets; half-hardy perennial. 5

XERANTHEMUM. Showy double free flowering border plants.

- 6760 **Superbissimum Flore Pleno, Mixed.** This new strain has double globe-shaped flowers, entirely free from projecting marginal ray florets. 15

- 6770 **Mixed.** 5

- 6759 **Collection of Immortelles and Everlasting Flowers,** 12 varieties, each separate. 75

EXACUM.

Forming small, dense bushes about 6 inches high, and having dark green leaves and terminal clusters of violet purple, beautifully scented flowers with yellow anthers. When sown in the fall, it will produce flowers freely from February until November, and when sown in the spring will flower during the summer and continue in full bloom throughout the winter.

- 5811 **Affine.** 25

FENZLIA.

A small dwarf profuse flowering plant, adapted for small beds, rustic work, vases, or pot culture, blooming all summer, and requires to be well supplied with moisture; hardy annual; rosy lilac, with crimson centre; 3 in.

- 5815 **Dianthiflora.** PER PKT. 15

FERNS.

These ornamental plants are very desirable for Wardian cases or ferneries; thriving in a peaty, sandy soil, and moist, shady positions in the garden during the summer. The seed is, however, slow of germination, and requires care and considerable patience before it makes its appearance. Sow in the spring in shallow boxes, barely covering the seed with soil; keep moist with a covering of fine moss, and in a temperature of 60 degrees.

- 5816 **Adiantum, Mixed.** Of all the handsome Maiden-hair varieties. 25

- 5820 **Pteris, Mixed.** 25

- 5830 **Choice, Mixed.** From a fine collection. 20

- 5822 **Lygodium Scandens** (*Japanese Climbing Fern*). A graceful and beautiful climber, growing as easily as the Smilax. It forms charming festoons when grown as a window plant. 25

- 5824 **Tree Ferns.** Choice varieties, mixed. 25

- 5817 **Gymnogramma Sulphurea and Argyrophila, Mixed** (*Gold and Silver Fern*). 25

- 5819 **Collection of Ferns,** 12 varieties. \$1.50

FEVERFEW.

(*Matricaria Eximia.*)

Free flowering herbaceous plants, succeeding in any garden soil; a fine bedding plant or for pot-culture: blooms until frost; hardy perennial, blooming the first season if sown early; 18 inches.

- 5832 **Double White** (*M. Eximia Alba Plena*). Seed saved from fine double flowers. 10

- 5833 **New Curled Double White** (*M. Eximia Flore Pleno Crispa*). This charming new variety surpasses the old in beauty, for its handsome double white flowers and densely curled foliage, fine for ribbon beds. 15

FLAX (See *Linum*).

FOUR O'CLOCK'S

(See *Marvel of Peru, Mirabilis Jalapa*).

FOXGLOVE (See *Digitalis*).

FORGET-ME-NOT (See *Myosotis*).

FUCHSIA.

(*Lady's Ear-Drop.*)

A well-known plant of easy culture, for the house or shady situations in the garden; the seed we offer is saved from the finest single and double named varieties.

- 5835 **Mixed.** 25

GAURA.

An elegantly branching free flowering plant, in bloom the whole summer, succeeds in a sandy loam; with spikes of white blossoms tinted with red; half-hardy annual; 3 feet.

- 5842 **Lindheimeri.** 5

GENTIANA.

GLOXINIA.

GODETIA.

GAILLARDIA.

GENTIANA.

(Gentian.)

A charming hardy perennial which blooms early in May. The dwarf sorts are excellent for edgings, etc.

- 5852 **Acaulis.** The Blue Gentian, flowers rich blue; 6 inches.....10

GERANIUM.

A popular bedding plant for the house or garden, extensively used for massing; half-hardy perennial; flowering the first season; from 1 to 3 feet.

- 5850 **Zonale, Mixed.** A superb strain of the largest and finest varieties; mixed colors.....10
- 5845 **Variegated, Mixed.** Bronze, gold, and silver tri-colored foliage varieties.....25
- 5846 **Double, Mixed.** This seed will produce a large percentage of double flowers of extra fine colors.....50
- 5847 **Pelargonium, Mixed** (*Lady Washington*). From the finest fancy and spotted large flowering.....50
- 5844 **Apple-Scented** (*Pelargonium odoratissimum*). This fragrant favorite variety can only be grown from seed to form fine plants. Sow in light soil, and keep moist until they germinate.....25

GESNERIA.

A beautiful hot house, bulbous-rooted plant, producing brilliant colored flowers; requires a light, rich, peaty soil; choice varieties; 2 feet.

- 5853 **Mixed**.....25

GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size, and brilliancy of their flowers, continuing in beauty during the summer and autumn; half-hardy annuals; 1½ feet.

- 5837 **Picta** (*Painted Lady*). Crimson, bordered with orange, very showy.....5
- 5840 **Mixed.** Fine colors.....5
- 5838 **Picta Lorenziana.** A charming profuse flowering "so-called" double variety, entirely distinct from the single flowering. Fine for massing, and useful as a bouquet flower, continuing in bloom until frost.....10

GILIA.

Very pretty dwarf plants, early, free blooming, fine for massing and rock work; hardy annuals; 1 foot.

- 5880 **Mixed.** All varieties and colors.....5

GLADIOLUS.

Seed saved from choice named varieties; half-hardy perennial bulbs.

- 5855 **Fine Hybrid, Mixed**.....10

GLOXINIA HYBRIDA CRASSIFOLIA.

A bulbous-rooted plant, producing in great profusion, during the summer months, large bell-shaped flowers of the richest and most beautiful variety of brilliant colors; the bulbs must be kept warm and dry during the winter; 1 foot.

- 5861 **Grandiflora Erecta, Mixed.** Rich colored, erect flowers.....25
- 5862 **Grandiflora Horizontalis, Mixed.** Rich colored, horizontal flowers.....25
- 5863 **Grandiflora Pendula, Mixed.** Rich colored, drooping flowers.....25
- 5870 **Grandiflora, Mixed**.....25

GLAUCIUM.

(Horn Poppy.)

An ornamental foliage plant, for margins, etc., with long, recurved, silvery leaves, deeply cut to the rib, forming two rows of leaflets; of vigorous growth, contrasting finely with colored foliage plants. Flowers are orange-yellow, bell-shaped and drooping; hardy biennial; 2 feet.

- 5858 **Corniculatum.** Per oz., \$1.00.....10

GNAPHALIUM.

(Edelweiss.)

Principally found on the Alps of Switzerland. Seed must be sown early in spring in shallow pans or boxes filled with sandy soil and leaf mould, and should be kept cool and moist; when plants are large enough transplant in open ground not exposed to too much sun.

- 5885 **Leontopodium**.....25

GODETIA.

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely, and bear showy flowers of rich and varied colors; 1½ feet.

- 5886 **Apple Blossom**.....10
- 5888 **Duchess of Albany**.....5
- 5887 **Lady Albemarle**.....5
- 5891 **The Bride**.....5
- 5890 **Mixed**.....5

GOURDS.

EDELWEISS.

GOURD.

(Cucurbita.)

Rapid growing, interesting plants with ornamental foliage, and varieties of singular shaped fruit; tender annuals; 15 to 20 feet.

- 5903 **Calabash.** The Dipper.....5
- 5905 **Hercules' Club.** Club-shaped; 4 feet long.....5
- 5904 **Egg-Shaped.** Fruit white like an egg.....5
- 5906 **Orange-Shaped, or Mock-Orange**.....5
- 5901 **Bottle-Shaped**.....5
- 5912 **Turk's Turban.** Red striped.....10
- 5911 **Pear-Shaped.** Striped; very showy.....10
- 5902 **Argyrosperma.** Dish Rag, or *Boynet Gourd*.....10
- 5908 **Sugar Trough**.....5
- 5907 **Tricosanthes Colubrina** (*True Serpent Gourd*). Striped like a serpent, changing to brilliant carmine when ripe; 5 feet in length.....10
- 5910 **Fine Mixed.** From a large collection. Per oz., 50 cts.....5

JOB'S TEARS.

BRIZA.

PAMPAS.

EULALIA ZEBRINA.

GOLDEN FEATHER. (See Pyrethrum.)**GRASSES, ORNAMENTAL.**

These form a beautiful and attractive addition to the Flower Garden; their graceful forms give a pleasing relief to the brilliancy of their showy companions. When carefully dried, they are useful in making up winter bouquets, etc.

Cut when in full bloom, tie in small bunches and hang up in a dry, dark place, with heads down. They are nearly all annuals; those which are perennials should be marked, so they will not be destroyed as weeds. Sow in May, and transplant or thin them out so as to give sufficient space for each to grow.

	PER PKT.
5060 AGROSTIS, Mixed. Exceedingly beautiful, feathery and graceful; of dwarf growth; hardy annuals; 1 foot.....	5
5167 ARUNDO DONAX VARIEGATA (<i>New Zealand Pampas Grass</i>). A variety similar to the Pampas, with long, graceful, drooping leaves, and silvery plumes, on stems 10 feet high; fine for specimens on lawns or for massing in clumps; hardy perennial.....	15
5245 AVENA STERILIS (<i>Animated Oats</i>). Pretty, large, drooping spikes, on slender stems; hardy annual; 2½ feet. Per oz., 60 cts.....	5
5311 BRIZA (<i>Rattlesnake, or Quaking Grass</i>). A beautiful variety, in great demand for ornamental work and grass bouquets; hardy annual; 1 foot.	
5313 Compacta. Erect, compact, with elegant rattles..	5
5313 Maxima. Large racemes of beautiful rattles. Per oz., 60 cts.....	5
5316 BROMUS BRIZEFORMIS. A graceful variety, with drooping panicles resembling the Briza Maxima, and in great demand for florists' use; hardy perennial, flowering the first season; 1 foot. Per oz., 60 cts.....	5
5447 CHLORIS TRUNCATA. Fine silvery plumes; elegant for bedding in groups; hardy annual; 2 ft..	5
5591 COIX LACHRYMÆ (<i>Job's Tears</i>). With broad, corn-like leaves, and hard, shining, pearly seeds, resembling tears; half-hardy annual; 2 feet. Per oz., 30 cts.....	5
5780 ERAGROSTIS (<i>Love Grass</i>), Mixed. Exceedingly pretty and ornamental; hardy annual; 2 ft..	5
5782 ERIANTHUS RAVENNÆ. Hardy perennial, exquisite white plumes resembling the Pampas Grass. Fine for lawns if planted in clumps. Flowers the first season if sown very early in the greenhouse or hot-bed; 10 feet.....	10
EULALIA. Hardy perennial, long narrow leaves, elegantly recurved flower-spikes of a light violet color, not unlike a curled ostrich feather.	
5802 Japonica. Striped white and green.....	10
5803 Zebrina. Leaves light green, mottled and striped, transversely light yellow.....	10
GYNERIUM (<i>Pampas Grass</i>). Half-hardy perennial, blooms the second season from seed; will stand out over winter, if protected with straw, or lay down and cover with earth; the most noble grass in cultivation; producing beautiful plumes on stems from 6 to 10 feet high.	
5913 Argenteum. Splendid white silvery plumes.....	10
5914 Argenteum Foliis Variegatis. Variegated foliage; beautiful large silvery plumes.....	15

GRASSES—Continued.

PER PKT.

5955 HORDEUM JUBATUM (<i>Squirrel Tail</i>). Very handsome light purple plumes; hardy annual; 3 ft..	5
5988 LAGURUS OVATUS (<i>Hare's Tail</i>). Beautiful small white heads or spikes of bloom, excellent for bouquets; hardy annual; 1 foot.....	5
5992 LASIAGROSTIS ARGENTEA. A very beautiful silvery-white grass; hardy perennial; 2 feet.....	5
6586 STIPA PINNATA (<i>Feather Grass</i>). Hardy perennial, beautiful delicate, white, feathery bloom; in great demand for ornamental work and florists' use, flowering the second season from seed. The seed is slow to vegetate; 2 feet. Per oz., \$1.00.....	10
6686 TRICHOLOENA ROSEA. A very beautiful rose-tinted grass; hardy perennial, flowering the first season from seed; 2 feet.....	10
6589 Collection of Grasses, containing one package of each of the above varieties.....	\$1.15

GREENHOUSE AND STOVE PLANTS.

- 6599 **Collection** containing 25 choice varieties.....\$2.00

GYPSOPHILA.

Pretty, free-flowering, elegant plants for rock-work, baskets, edgings, and borders; succeeding in any garden soil.

5915 Muralis. Trailing, pretty pink blossoms; suitable for small beds, etc.; hardy annual; 6 inches...	5
5916 Paniculata. White flowers, beautiful for bouquets, imparting a light, airy appearance; hardy perennial; 2 feet.....	5

HELIOTROPE.

GYPSOPHILA.

HELLEBOROUS NIGER.

(Christmas Rose.)

- 5943 **Mixed.** Winter blooming.....10

HELIOTROPE.

A half-hardy perennial, flowering during the whole season; its delightful perfume makes it a most desirable bouquet flower; a splendid bedding plant, or can be trained as a greenhouse climber. Seed sown in the spring will make fine plants for summer blooming.

5940 Mixed.	10
5939 Collection of six sorts.....	40

GLOBE SUNFLOWER.

HOLLYHOCK.

HUMEA ELEGANS.

IPOMÆA.

HELIANTHUS. (Sunflower.)

Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens. The seed is also good for feeding poultry; hardy annuals.

	PER PKT.
5920 Nanus. Dwarf very double orange-colored flowers; 4 feet. Per oz., 50 cts.	5
5922 Nanus Foliis Variegatis. Bushy pyramidal-shaped plants, the leaves are spotted and striped with yellow. Effective for planting singly, in groups, or interspersing with other foliage plants; 4 feet.	10
5921 Globolus Fistulosus. Flowers large double, of a rich saffron color; 6 feet. Per oz., 60 cts.	5
5923 Oscar Wilde. Beautiful golden yellow, with jet black centre; single, 4 feet.	5
Mammoth Russian. The largest of all, producing the most seed. Qt., 20 cts., postpaid, 35 cts.	5

HELICHRYSUM (See Everlastings).

HIBISCUS.

Showy, ornamental plants, for mixed beds or shrubbery borders, having large-sized, varied and beautiful colored flowers.

5944 Africanus. Large, cream-colored flowers, with a brown centre; hardy annual; 1½ feet.	5
5945 Palustris. Large pink flowers; hardy perennial; 3 feet.	5

HOLLYHOCK. (Althæa Rosea.)

This splendid plant, from its stately growth and the varied colors of its magnificent large spikes of flowers, may justly claim a place in every large garden or pleasure ground. Our seed has been saved from the best named varieties. Seed sown in June and July will flower the following summer; hardy.

5950 Extra Choice Double, Mixed.	10
5946 Double White. Extra strain of perfectly double, pure white flowers.	15
5948 Double Yellow. Comprising the buff, straw color and orange shades.	15
5947 Double Pink and Red. Comprising all the shades of red.	15
5951 Bright Red. Double.	15
5952 Bright Pink. Double.	15
5949 Chater's Prize Collection of 12 varieties, each color separate.	\$1.00

HONESTY. (Lunaria.)

Hardy biennial, admired for its silvery seed pouches, which are used for house ornaments, as they present a beautiful and rather curious appearance.

5953 Bienuis. 2 feet.	10

HUMEA.

A handsome decorative plant, either for pots or gardens, producing drooping pyramids of ruby-red, grass-like florets. It should be grown in light, rich soil; half-hardy biennial; 8 feet.

5957 Elegans.	10

HYACINTH BEAN. (Dolichos Lablab.)

A rapid-growing plant, flowering freely in clusters, for covering arbors, trellises, etc. Sow the seed in the garden where desired; tender annual; 10 feet.

5770 Mixed. Per oz., 30 cts.	5

ICE PLANT (See Mesembryanthemum).

JAPANESE HOP.

A very ornamental and fast growing climbing plant. The foliage resembles in shape that of the common Hop, is very dense, and in color a lively green. Undoubtedly one of the best climbers for covering verandas, trellises, etc., never suffering from the heat like many other climbing plants, but retaining its fresh color until late in the autumn.

5958 Humulus Japonicus.	15

IMPATIENS.

One of the most distinct and beautiful plants of recent introduction for the warm greenhouse or summer bedding; owing to its gorgeous coloring and profuse and continuous flowering it is rapidly becoming popular. This plant is of compact, neat habit of growth, with good constitution, and almost a perpetual bloomer. Planted out in the open ground at the end of June it grows luxuriantly, flowers with the greatest profusion, and produces an admirable effect until cut down by frost. The flowers are of a brilliant rosy-scarlet color, about 1½ inches in diameter.

5984 Sultani.	25

IPOMÆA. (Morning Glory.)

Tender annuals of rapid growth, with beautiful and varied flowers; for covering old walls, trellises, arbors, or stumps of trees, they are invaluable; 15 feet.

5961 Coccinea. Small scarlet flowers in profusion; also known as the <i>Star "Ipomœa"</i> .	5
5962 Limbata. Violet, margined with white, large and handsome.	5
5964 Striata Nova. A beautiful three-colored striped variety.	5
5965 Grandiflora Superba. Large blue flowers, with broad white border.	5
5970 Mixed. All colors. Per oz., 50 cts.	5
5966 Huberi. New Japanese hybrids; some have silvery-white, marbled foliage, and all with large trumpet-shaped flowers, beautifully margined, of various colors; mixed, all colors. Per oz., 80 cts.	10
5963 Bona Nox (Evening Glory). Violet, large fragrant flowers, expanding in the evening.	10

IRIS.

(Fleur-de-Lis.)

Hardy perennial, tuberous-rooted, early spring blooming garden plants, growing about two feet high, with large ornamental flowers of the richest colors, striped, veined, variegated, upon a lighter ground.

5982 Mixed.	10

KAULFUSSIA.

LAVATERA.

LINUM.

LILY.

IPOMOPSIS. (Standing Cypress.)

One of our most attractive free-flowering plants, with fine foliage; beautiful for conservatory or garden decorations; succeeds in a dry, rich soil, producing long spikes of dazzling colored flowers; half-hardy biennials, blooming the first season if the seed is sown early in the house or hot-bed; 3 feet.

- 5975 **Elegans.** Beautiful long spikes of scarlet flowers resembling the Cypress Vine..... 5
5980 **Fine Mixed.** Of various orange and scarlet-colored flowers..... 5

KAULFUSSIA.

Desirable compact dwarf free-flowering plants, resembling Single Asters; hardy annual; 6 inches.

- 5986 **Amelloides, Mixed.** Blue, crimson, rose, etc.. 5

KENILWORTH IVY.

A charming small, neat, hardy perennial trailing plant, suitable for baskets, vases, pots and rock-work.

- 6015 **Linaria Cymbalaria.** Lavender and purple...10

KENNEDYA.

A handsome and highly ornamental greenhouse climber. Soak the seed in warm water before sowing.

- 5987 **Mixed.** Fine colors..... 25

LANTANA.

One of the most desirable half-hardy perennial greenhouse or bedding plants, constantly in bloom; Verbena-like heads, and changing in hue; 2 to 5 feet.

- 5990 **Mixed.**.....10

LAPAGERIA.

A fine herbaceous climber, with large elegant tubular flowers.

- 5991 **Rosea.** Bright rose.....25

LATHYRUS.

(Everlasting Pea.)

Showy, free-flowering plants, for covering old stumps, fences, etc.; hardy perennials; 5 feet.

- 6010 **Latifolius, Mixed.** Flowers purple and white; Per oz., 80 cts..... 5

LAVATERA.

A distinct species of variegated foliage plants. It is quite constant from seed, but like the Striped Maize the variegation becomes more striking as the plants grow large. Sow early in April or May.

- 6012 **Arborea Variegata**.....15

LAVENDER.

An aromatic plant, the leaves and flowers of which are dried and used for scenting clothing, rooms, etc.

- 6013 **Lavendula Vera.** Blue; 1½ feet..... 5

LEPTOSYNE.

Showy profuse-blooming annual, bearing large yellow flowers resembling a Single Dahlia. It thrives in any good soil and is a very desirable plant.

- 6011 **Maritima.** Large golden yellow.....10

LARKSPUR (See Delphinium).

LINUM. (Flax.)

One of the most effective and showy bedding plants, of long duration, having fine foliage and delicate stems; hardy annual; 1 foot.

- 6017 **Coccineum.** Brilliant scarlet crimson..... 5
6018 **Flavum.** Golden yellow.....10

LILIUM (LILIES).

These are some of our most beautiful plants for the conservatory or flower garden. The seeds are of slow germination, often lying several months before vegetating, and are best sown in pots or boxes where they will not be disturbed; they should be planted in a rather dry soil; 3 ft.

- 6014 **Auratum and Lancifolium, Mixed.**.....20

LILY OF THE VALLEY.

- 6016 **Convallaria Majalis.** Lovely spring-blooming plants, bearing pure white fragrant bell-shaped flowers.....10

LYCHNIS.

LOBELIA, WHITE GEM.

LOBELIA.

The following dwarf and trailing varieties of this popular and beautiful flowering plant will be found most desirable for pot culture, edgings, hanging-baskets, etc., blooming profusely from June to November; half-hardy annuals. The hardy perennial varieties are among the most attractive of our garden favorites, producing beautiful spikes of handsome flowers in the autumn.

- 6022 **Erinus Speciosa, Crystal Palace.** Of trailing growth; flowers of a superb ultra-marine blue...10
6025 **Erinus Speciosa, Alba Maxima.** Showy white flowers, of drooping and spreading habit.....10
6024 **Erinus, Emperor William.** A very compact variety, with fine sky-blue flowers.....10
6023 **Erinus, Crystal Palace Compacta.** A new densely compact miniature variety, which, during the summer months, is studded with rich deep blue flowers.....15

MARIGOLD.

MALLOW.

MESEMBRYANTHEMUM.

LOBELIA—Continued.

PER PKT.

- 6026 **Picta.** A beautiful variety with rich, velvety-veined and netted foliage, and light rose-colored flowers.....20
- 6032 **Prima-Donna.** A charming novelty. In habit it is very dwarf and compact, with rich velvety crimson maroon flowers, equal in size to those of *Lobelia Speciosa*, thickly studded all over the plant, which gives it an effect that is both beautiful and unique.....10
- 6030 **Mixed.**.....10
- 6027 **Erinus Grandiflora Flore Duplici.** This lovely new double blue flowering hose-in-hose-like form is of a trailing habit: fine for massing, etc.....20
- 6021 **White Gem.** Forms a perfect ball of snow-white flowers; very charming appearance.....15
- 6028 **Cardinalis** (*Cardinal flower*). A hardy perennial native variety, with spikes of brilliant scarlet flowers, blooming the first season if sown early; a fine border plant; 3 feet.....10
- 6031 **Cardinalis and Fulgens Hybrids.** Foliage varies from bright green to brown or reddish green. Flowers are large and resemble *Cardinalis*, but are of splendid shades of rose, red, lilac, purple, etc.; in bloom from July to October; hardy perennials; 2 feet.....20

LOPHOSPERMUM.

Highly ornamental and effective for the garden or conservatory, with showy, fox-glove-like flowers; requires a light, rich soil; half-hardy annual; 10 feet.

- 6035 **Scandens.** Rosy purple.....10

LUPINUS.

(Sun Dials.)

Ornamental free-flowering easily grown garden plants, with long, graceful spikes of rich and varied-colored pea-shaped flowers; valuable for mixed flower borders and beds. The seeds should be sown where they are to bloom, as they do not transplant well.

- 6037 **Mixed.** All colors of annual varieties; 2 feet. Per oz., 40 cts.....5
- 6038 **Mixed Perennial.** All colors of hardy perennial varieties; 3 feet.....5

LYCHNIS.

Handsome plants of easy culture, growing in any rich garden soil; for massing in beds and borders, blooming the first year if sown early; hardy perennials.

- 6042 **Chalcedonica Coccinea.** Fine scarlet flowers; 2 feet.....5
- 6040 **Haageana, Mixed.** Brilliant orange-scarlet, crimson, etc.; 1 foot.....10
- 6050 **Mixed.** All colors and varieties. Per oz., \$1.00..5

MALLOWS.

(Hibiscus Hybridus.)

One of the most desirable perennial plants. The flowers vary in color from pure white to deep rose, and are from 6 to 8 inches in diameter. The plants average 6 feet in height, and present a mass of bloom from early in July till late autumn. Flowers the first season from seed.

- 5941 **Mixed.** Rose and white.....10

MAIZE.

(Zea Japonica Variegata.)

An ornamental corn, beautifully striped with green and white; fine for groups on the lawn; hardy annual; 4 feet.

PER PKT.

- 6055 **Striped-Leaved Japanese.** Per oz., 20 cts.....5

MARIGOLD.

(Tagetes.)

A well-known free-flowering plant, of easy culture, with rich and beautiful double various-colored flowers. The African is best for large beds; the French for small beds or as a foreground for taller plants; half-hardy annuals. See also *Calendula* and *Tagetes*.

- 6061 **Butterfly**.....10
- 6062 **Gold Nugget.** Dwarf dense growth and immense double flowers, which are of a peculiar shade of golden yellow, resembling Australian gold. It blooms abundantly from June till cut down by frost.....10
- 6058 **El Dorado.** The flowers are 3 to 4 inches in diameter, perfectly imbricated and extremely double. The colors run through all shades of yellow, from very light primrose to the deepest orange.....10
- 6060 **Large African.** Tall, double, orange, brown and yellow, mixed; 2 feet. Per oz., 60 cts.....5
- 6070 **Dwarf French.** Fine colors, mixed; very double; 1 foot. Per oz., 80 cts.....5
- 6057 **Gold Striped.** Deep brownish red, striped golden yellow.....10
- 6059 **Collection of Dwarf French Marigolds,** 10 var's.....40

MARVEL OF PERU.

(Mirabilis Jalapa.)

The well-known Four O'Clock. A handsome, free flowering garden favorite; half-hardy perennial; blooming the first season from seed; the flowers, which are produced in clusters, open in the afternoon and wither the next morning; the roots can be preserved during the winter like Dahlias.

- 6080 **Mixed.** Beautiful colors; 2 feet. Per oz., 40 cts.5
- 6075 **Variegated.** Leaves light green, marbled yellow; very ornamental; 2 feet. Per oz., 50 cts.....5
- 6076 **Dwarf White Tom Thumb.** When fully developed this variety does not exceed 10 inches in height, and forms a charming little bush, completely studded with pure white flowers.....10
- 6089 **Assortments of 12 varieties**.....50

MESEMBRYANTHEMUM.

Profuse flowering dwarf trailing plants of great beauty, blooming the whole summer, thriving best in a dry, loamy, or sandy soil, requiring a warm, sunny situation; fine for beds, edgings, rock-work, etc.; half-hardy annuals; 6 inches.

- 6092 **Crystallinum** (*Ice Plant*). Flowers white; prized for its singular icy foliage.....5
- 6093 **Tricolor** (*Wax Plant*). Rosy pink, with purple centre.....5
- 6094 **Cordifolium Variegatum.** A half-hardy perennial trailing variety, with handsome variegated fleshy heart-shaped foliage, and bright rosy-colored flowers.....10

MAURANDIA.

MOLUCCA BALM

BALSAM APPLE.

MYOSOTIS.

MAURANDIA.

Beautiful, rapid, slender-growing plants, blooming profusely until late in the autumn; also fine for the conservatory or greenhouse; if desired for the house take up before the approach of frost. A half-hardy perennial, flowering the first season if sown early; 10 feet.

6085	Albiflora. Pure white.....	10
6086	Barclayana. Purple.....	10
6087	Rosea. Dark rose.....	10
6090	Mixed. All colors.....	10

PER PKT.

MIGNONETTE.

(Reseda Odorata.)

A well-known fragrant favorite. If the plants are thinned out they will grow stronger and produce larger spikes of flowers; fine for pot or garden culture, and can be had during the whole year by sowing in intervals; hardy annuals.

6100	Sweet Scented (Odorata). The old variety with small spikes; 1 foot. Per oz., 20 cts.....	5
6101	Grandiflora Ameliorata. Plants pyramidal; flowers large and distinct, having stamens of a reddish tint; 15 inches. Per oz., 30 cts.....	5
6106	Golden Queen. A very attractive variety, forming a dense pyramid, and throwing up numerous flower stalks, terminating in spikes of golden yellow; 15 inches. Per oz., \$1.00.....	10
6107	The Prize. This variety produces a close, dense foliage, double the size of the common, and very fragrant. 1 foot.....	10
6102	Parson's White. Large spikes, pure white and very fragrant; 1 foot. Per oz., 50 cts.....	5
6105	Hybrid Spiral. Of dwarf, branching habit, with spikes from 8 to 10 inches long, very fragrant; excellent for market purposes; 15 inches.....	10
6103	Dwarf Compact. A dwarf robust variety, 10 inches high and 18 inches in diameter, covered with large spikes of reddish-tinted flowers.....	10
6108	"Machet." Well adapted for pot culture; perfectly true from seed. Dwarf pyramidal growth, bearing numerous flower stalks. Per oz., \$1.25.....	15
6109	Collection of Mignonette, 10 varieties.....	50

MIMULUS.

(Monkey Flower.)

Showy, profuse flowering plants, comprising numerous varieties, with white, sulphur, and yellow grounds, spotted with crimson, scarlet, and pink, fine for the greenhouse, or moist, shady situations; half-hardy perennials; blooming the first year from seed if sown early; 1 foot.

6111	Tigrinus. The finest tigered and spotted varieties, rivalling the Calceolaria in its brightness; mixed colors.....	10
6112	Tigrinus Duplex. A beautiful double hose-in-hose variety of the above, with tigered and spotted flowers; mixed colors.....	20
6110	Mixed. Large flowering, all colors.....	10
6113	Moschatus (Musk Plant). Fine for hanging-baskets, etc.; small yellow flowers, fragrant foliage; 6 inches.....	10

MIMOSA PUDICA.

(See Sensitive Plant.)

MOLUCELLA.

(Molucca Balm.)

PER PKT.

6118	Lævis. Flowers purple and white, shell-shaped and borne on square stems which end in tufts of leaves of a pea-green color.....	10
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MOMORDICA.

(Balsam Apple.)

Very curious trailing vines, with ornamental foliage, fruit golden yellow, warted, and when ripe opens, showing the seeds and its brilliant carmine interior; fine for rock-work, stumps, etc.; half-hardy annual; 10 feet.

6116	Balsamina. Apple-shaped fruit. Per oz., 50 cts. 5
6117	Charantia. Pear-shaped fruit. Per oz., 50 cts. 5

MORNING GLORY.

(See Convolvulus and Ipomæa.)

MYOSOTIS.

(Forget-me-not.)

Neat and beautiful little plants with star-like flowers; succeeding best in a shady, moist situation; half-hardy perennials; blooming the first year from seed if sown early.

6121	Alpestris Cœrulea. Bright blue; 6 inches.....	10
6122	Alpestris Alba. Pure white; 6 inches.....	10
6128	Alpestris Victoria. Of stout and bushy habit of growth, bearing umbels of large bright azure-blue flowers, with central double blooms. The plant attains a height of 5 to 7 inches, with a diameter of 8 to 10 inches, and when fully grown is quite globular in shape, and perfectly covered with flowers. This beautiful Forget-me-not is the best for carpet bedding, edgings, and masses, and for growing in pots for market.....	25
6124	Azorica Cælestina. Handsome sky-blue flowers, produced in great profusion; 1 foot.....	10
6125	Dissitiflora. Compact habit, profuse bloomer; exquisite blue; an attractive bedding plant; 6 in.....	15
6123	Palustris. The true Forget-me-not; beautiful blue flowers; 6 inches.....	10
6126	Palustris Sempervirens. A charming dwarf Forget-me-not, thriving equally well in sun or shade; continuing in bloom from early spring until autumn with beautiful blue flowers; 8 inches.....	20
6127	Eliza Fanrobert. New, large-flowering, bright blue, of pyramidal habit; remarkably fine and distinct.....	15

MYRSIPHYLLUM.

(Smilax.)

A beautiful and graceful tuberous-rooted perennial climber, none surpassing it for its glossy deep green, wavy and most delicate foliage, and small white flowers; fine for vases and baskets. Soak the seed 24 hours before sowing; 6 to 10 feet.

6134	Asparagoides. Per oz., \$2.00.....	20
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MUSA.

NIGELLA.

MUSA.

(Abyssinian Banana.)

The leaves are magnificent, long, broad and massive, of a beautiful green, with a broad crimson midrib. It is used successfully for bedding out, and stands the rain and storms without much laceration. In our hot summers it luxuriates and attains gigantic proportions when freely supplied with manure and water. The seeds germinate easily if started in hot-bed or bottom heat in greenhouse.

PER PKT.

6131 **Ensete.** Packet containing 4 seeds.....25**DWARF NASTURTIIUM.**

(Tropæolum Minor.)

The dwarf varieties are all desirable, and are among our most popular plants, standing any amount of heat and drought, growing vigorously and flowering freely all summer and fall; excellent for massing and ribboning, doing well even in poor soil; hardy annuals; 1 foot.

DWARF NASTURTIIUM.

- 6153 **Empress of India.** Very dwarf habit; flowers brilliant crimson; abundant bloomer.....10
 6141 **Tom Thumb Scarlet**.....5
 6142 **Tom Thumb Yellow**.....5
 6143 **Tom Thumb Pearl.** Creamy white.....5
 6144 **Tom Thumb Spotted.** Beautiful spotted flowers.....5
 6145 **Tom Thumb Cærulea Rosea.** Rose-tinted purplish maroon.....10
 6146 **Tom Thumb Crystal Palace Gem.** Sulphur-colored flowers, with dark red spots near the base of each petal.....5
 6154 **Tom Thumb (Cloth of Gold).** Foliage bright golden yellow; flowers scarlet.....10
 6147 **King of Tom Thumbs.** Intense scarlet.....5
 6152 **Tom Thumb King Theodore.** Flowers almost black.....5
 6148 **Golden King of Tom Thumbs.** Deep golden yellow flowers.....5
 6151 **Ruby King.** Pink, shaded carmine.....10
 6150 **Tom Thumb.** Mixed, all colors. Per oz., 30 cts..5
 6149 **Collection of Dwarf Nasturtiums,** 12 varieties, each color separate50

TALL NASTURTIIUM.

TALL NASTURTIIUM.

(Tropæolum Major.)

Elegant profuse flowering plants for verandas, trellises, etc. The seed pods can be gathered while green and tender, for pickling; hardy annuals; 10 feet.

PER PKT.

- 6157 **King Theodore.** Bluish-green foliage and almost black flowers.....5
 6156 **Large Dark Crimson.** Showy flowers.....5
 6161 **Purple Violet**.....5
 6162 **Orange**.....5
 6163 **Straw Colored and Striped**.....5
 6160 **Mixed.** All colors. Per oz., 30 cts.....5
 6165 **Spitfire.** Brilliant carmine crimson.....10
 6170 **Finest Mixed.** All colors.....10
 5375 **Canary Bird Flower (Peregrinum).** With yellow canary-like flowers; very ornamental and beautiful foliage; half-hardy annual.....10
 6159 **Collection of Climbing Nasturtiums,** 12 varieties,50

NEMOPHILA.

(Love Grove.)

Of neat, compact habit; blooming freely all summer if planted in a rather cool, shaded place, and in not too rich a soil; hardy annuals; 1 foot.

- 6176 **Insignis.** Bright blue flowers, white centre.....5
 6180 **Mixed.** All varieties and colors. Per oz., 50 cts.5

NIEREMBERGIA.

A half-hardy perennial, slender growing plant, perpetually in bloom, flowering the first year if sown early; desirable for the greenhouse, baskets, vases or bedding out; 1 foot.

- 6195 **Frutescens.** White, tinted with lilac.....10

NIGELLA.

(Love in a Mist, or Devil in the Bush.)

A compact, free-flowering plant, with finely-cut foliage, curious-looking flowers and seed pods; of easy culture, growing in any garden soil; hardy annuals; 1 foot.

- 6200 **Damascena.** Blue and white mixed.....5

OXALIS.

Beautiful small plants, suitable for the greenhouse, rock-work, baskets, or out-door culture; flowering the first year if sown early; blooms in clusters; half-hardy perennial; 9 inches.

- 6206 **Alba.** Pure white.....10
 6207 **Rosea.** Rose-colored.....10
 6208 **Tropæoloides.** Very desirable border plant, flowers deep yellow, foliage dark green.....10
 6209 **Valdiviana.** Pure yellow.....10

❖ Dreer's Royal Exhibition Pansies. ❖

No. 6238. This strain comprises a beautiful collection of colors and markings. In our trials it stood far ahead of all others, and we are confident it will prove satisfactory for perfection of form, firmness of texture, freedom of bloom and elegance of coloring. Florists and amateurs desiring charming "show" flowers should not neglect the strain herein offered, as it is the result of many years' careful selection and hybridization, and embraces all the attractive features that tend to make the Pansy the people's flower. To prevent failure we offer the following method for sowing the seed: Select a good piece of ground, dig and rake thoroughly and evenly, scatter the seed on the surface and cover thinly by sieving over it some rich soil, pat gently with a piece of board or the back of a spade, give a thorough watering and shade during the middle of the day.

Per pkt., 50 cts.; 3 for \$1.25.

ODIER.

TRIMARDEAU.

PANSIES.

This attractive plant is too well known to require any description, as it is a favorite with all; the seed can be sown from September to March. The best plants are obtained from seed sown in the autumn, and protected during the winter; these flower early in the spring. The plants from spring sowing should be planted in a shady border; they produce fine large flowers in the autumn. Pansies require fresh soil, enriched with decomposed manure; hardy perennials; 6 inches. Special directions for cultivation sent with the seed when desired.

- PER PKT.
- 6242 **P. Belgian Striped.** A lovely class bearing beautiful flowers of various shades and stripes.....15
 - 6220 — **Dreer's Premium.** Seed saved from first-class flowers only; beautiful colors mixed..25
 - 6222 — **Odier (Five-blotched).** A beautiful strain of various colored large, handsome, perfect formed flowers, dark spots on each petal.....25
 - 6221 — **Emperor William.** Large handsome flowers borne in great profusion, well above the foliage, brilliant ultramarine blue, with a purple violet eye.15
 - 6223 — **Faust (King of the Blacks).** Almost black, the darkest Pansy known.15
 - 6231 — **Lord Beaconsfield.** A splendid sort; flowers deep purple violet, shading to white on the upper petals.....15
 - 6228 — **Snow Queen.** Very large, satiny white, light yellow centre.....15
 - 6234 — **Trimardeau.** An altogether distinct and beautiful new race, the flowers of which are larger than any hitherto produced. Each flower is marked

- PER PKT.
- with three large blotches or spots, and the plants produce an endless variety of beautiful shades.50
 - 6235 **P. Mikado.** An entirely new and distinct variety. The plants are of strong, compact habit, and carry the flowers well above the foliage. They are of fine form, large size, and present a richness and depth of coloring which are simply marvelous.....50
 - 6241 — **Yellow Gem.** Pure yellow, without eye.....15
 - 6243 — **Bronze Colored.**.....15
 - 6233 — **Gold Margined.** All colors.....15
 - 6236 — **Havana Brown.**.....15
 - 6232 — **Mahogany Colored.**.....15
 - 6225 — **Light Blue.**.....15
 - 6224 — **Purple.** Rich purple, white edged.....15
 - 6227 — **White.**.....15
 - 6226 — **Yellow.**.....15
 - 6230 — **Best Imported Mixed.** Per oz., \$4.00.....20
 - 6240 — **Good Mixed.** All colors. Per oz., \$2.00.....10
 - 6239 **Collection of Pansies,** 12 choice varieties, imported, each color separate.....\$1.00

BELGIAN STRIPED.

MIKADO.

PANSY.

PER PKT.

- 6229 **Little Red Riding Hood.** A brilliant red flowering variety possessing sterling merit. The flowers are of large size and perfect in form. In color it surpasses all other red sorts, and is in all respects the best of its class. 3 pkts. for \$1.25.....50

- 6244 **Dreer's Giant Striped Pansies.** A fine new class of striped Pansies which bear large and beautiful flowers of perfect form and brilliant shading. The blooms are exquisitely streaked with soft, clear shades of color, and are a decided advance on the Belgian striped. 3 pkts. for \$1.2550

PASSIFLORA.
(Passion Flower.)

Indispensable climbing plants for the garden or greenhouse, bearing a profusion of attractive flowers.

- 6245 **Incarnata.** A hardy perennial, requiring slight protection during the winter; flowers large, white and purple, flesh-colored crown; 20 feet.....25
6246 **Gracilis.** Pure white; hardy annual.....10
6250 **Mixed.** Choice varieties, mixed.....20
6247 **Van Volxemi (Tacsonia).** Flowers of the richest scarlet, 5 inches in diameter.....25
6248 **Insignis (Tacsonia).** Remarkable for its magnificent flowers, which measure from 6 to 8 inches across; color crimson purple; filaments blue mottled with white.....25

PENTSTEMON.

One of our most beautiful and attractive herbaceous plants; bearing long, graceful spikes of rich-colored flowers; will bloom the first season if sown early in March, and planted out in May; half-hardy perennials; 2 feet.

PER PKT.

- 6260 **Mixed.** Crimson, purple, etc.....10

PERILLA.

The foliage of this plant is exceedingly elegant, of a very dark purple color, and produces a charming contrast with silvery-leaved plants; growing freely in any soil; half-hardy annual; 1½ feet.

- 6265 **Nankinensis Atropurpureus**..... 5

LARGE FLOWERED YELLOW THROAT, DREER'S SINGLE FRINGED.

PETUNIA.

For out-door decoration or house culture few plants are equal to this class. They commence flowering early, and continue a mass of bloom throughout the whole season, until killed by frost; easily cultivated, requiring rich soil and a sunny situation. Of late years the single-striped, mottled and double varieties have been greatly improved. The strains we offer of our own growing, we can safely say without contradiction, are the best that can be procured either in this country or Europe. Hardy annuals; 2 to 3 feet.

- 6280 **Dreer's Double Hybridized and Fringed.** Saved from our own extensive collection; will produce a large percentage of double flowers of the largest fringed varieties, in bright colors and tints.....25
6290 **Dreer's Hybrid Extra Mottled.** The finest strain of mottled, spotted, and striped large-flowering varieties, of beautiful shades mixed.....20
6273 **Dreer's Single Fringed.** Finest mixed.....20
6283 **Double Liliput.** Forms dwarf and dense bushes, upon which are borne pretty, spotted, striped, and self-colored double flowers of charming colors.....25
6281 **Grandiflora, Lady of the Lake (Double White).** This novelty comes true from seed, producing the finest fringed double white flowers.....50
6268 **Grandiflora Venosa.** Large-flowering, finest shades of colors beautifully veined.....10
6271 **Grandiflora Kermesina.** Very large rich crimson showy flowers.....10
6272 **Grandiflora Superbissima.** Very large attractive flowers, of rose, crimson, and purple, with a beautiful tiger-spotted throat.....20
6267 **Hybridaflora (The Star).** Beautiful flowers of various shades of red and purple, with five white bars, resembling a star.....10
6275 **Hybrida Nana Compacta Multiflora.** Dwarf habit and a profuse bloomer. Makes perfect pyramid 8 inches high. Of a cherry-red color, with a regularly formed white star.....20
6285 **Large Flowered Yellow Throat.** These form a class of rare beauty, and come true from seed. The flowers are very large and of perfect form, with a broad deep yellow throat, veined very much like the Salpiglossis.....50
6274 **Pure White, Single.** Desirable for cemetery beds, or where large masses of white are wanted.....10
6300 **Splendid Hybrid Mixed.** All colors. Per oz., \$2.00.....10
6310 **Fine Mixed.** Good varieties. Per oz., \$1.00..... 5
6299 **Collection of Petunia, large-flowering single, 12 varieties.**.....\$1.00
6309 **Collection of Petunia, double fringed, 12 varieties.**.....\$1.25

PHACELIA.

A curious and interesting hardy annual plant of easy culture, good for bee food. The flowers are produced on racemes; 2 feet.

- 6316 **Congesta.** Beautiful azure-blue. Per oz., 20 cts. 5
 6317 **Campanularia.** A very attractive plant of spreading habit, covering about a foot of ground. Large rich deep blue funnel-shaped flowers.....15

PHLOX DRUMMONDI.

An indispensable, constant blooming favorite, which should occupy a prominent place in every garden for clumps or massing; quite as desirable as the Verbena for their duration of bloom and display of brilliant dazzling colors; hardy annuals; 1½ feet.

- 6321 **Alba Pura.** Pure white.....10
 6322 **Alba Oculata.** White, various colored eyes.....10
 6323 **Atropurpurea.** Deep purple red.....10
 6324 **Leopoldi.** Deep pink, with a white eye.....10
 6325 **Coccinea.** Brilliant scarlet.....10
 6327 **Isabel.** Light yellow.....10
 6328 **Peach Blossom.** Large flowers of a delicate salmon tint.....10
 6326 **Radowitzi.** Rose, striped white.....10
 6330 **Mixed.** All colors. Per oz., \$1.00..... 5

PHLOX DRUMMONDI GRANDIFLORA STELLATA SPLENDENS.

PHLOX DRUMMONDI GRANDIFLORA.

An improvement on the old varieties in stronger, more compact growth, and larger flowers, with white centres, admirably relieved by a dark violet eye; 1½ feet.

- 6331 **Alba Pura.** Pure white.....10
 6334 **Carminea Alba Oculata.** Rosy carmine, white eye.....10
 6332 **Coccinea.** Rich brilliant scarlet.....10
 6335 **Elegans Carminea.** Large round white centre, margin varying from rose to crimson.....10
 6336 **Kermesina Striata.** Flowers crimson, striped white.....10
 6333 **Splendens.** Vivid crimson, with a pure white eye, violet-edged.....10
 6337 **Stellata Splendens.** This sort combines all the good qualities of the Grandiflora section, with the addition of a clearly defined pure white star which contrasts strikingly with the vivid crimson of the flowers. One of the brightest colored and most effective of all the large-flowered Phloxes..... 10
 6340 **Mixed.** All the Grandiflora varieties mixed. Per oz., \$1.50.....10

PHLOX DRUMMONDI NANA.

This new strain is of a dwarf, compact habit, and makes desirable pot plants, also for ribbon lines and massing; 10 inches in height.

- 6344 **Heynholdii Cardinalis.** Compact and bushy globular plants, covered with beautiful coppery-scarlet flowers.....10
 6343 **Nana Compacta, "Fireball."** Brilliant scarlet.....20

PHLOX DRUMMONDI NANA.

PER PKT.

- 6345 **Nana Compacta, "Snowball."** Pure white...20
 6350 **Mixed.** Dwarf varieties mixed. Per oz., \$5.00...20
 6355 **Decussata, Perennial, Mixed.** This Phlox is one of the finest hardy herbaceous perennials, for beds or borders. Seed saved from the finest named flowers, all colors, mixed.....10
 6339 **Collection of Phlox, 12 choice varieties.....**75
 6349 " " " Grandiflora, 12 choice varieties.....\$1.00
 6359 **Collection of Phlox, Dwarf Compact, 6 choice varieties.....**75

DOUBLE WHITE PHLOX DRUMMONDI.

- 6354 **Double White Phlox Drummondii.** A profuse bloomer, and of great value for bouquets, as it blooms at a season when white flowers are especially desirable. About 80 per cent. of the seed sown will produce double flowers.....20
 6353 **Coccinea Fl. Semi Pleno.** The plants grow more compact than the single flowered, while the trusses and the individual flowers are equal in size to those of the dwarf compact varieties. The doubleness of the flowers is formed by an addition of 4 to 6 petals in the middle or tube of the flower, which, according to the weather, is sometimes more or less dense; it also happens that double and single flowers are found in one truss.....20

PINKS (See Dianthus and Carnation).**PLATYCODON GRANDIFLORUM.**

(Wahlenbergia.)

A hardy perennial, producing very showy flowers during the whole season. They form large clumps, and are excellent for planting among shrubbery.

- 6356 **Alba.** Pure white..... 5
 6360 **Mixed.** Blue and white..... 5

POLYANTHUS.

(Primula Elatior.)

Showy, early spring free-flowering plants, fine for either pot or out-door culture; hardy perennials; 9 inches.

- 6362 **English.** The best single, all colors mixed.....20
 6363 **Duplex.** Double hose-in-hose, beautiful colors mixed.....25
 6364 **Gold Laced.** Very showy and attractive.....20

POPPY.

(Papaver.)

A showy and easily cultivated hardy annual, with large brilliant colored flowers, growing freely in any garden soil, and 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.

- 6371 **Carnation Flowered.** Splendid double fringed flowers, mixed colors..... 5
 6376 **Chinese.** Distinct varieties of this favorite flower. Plants not exceeding 2 feet in height. Mixed, all colors and shades.....20
 6383 **Croceum.** A lovely perennial Poppy bearing a profusion of rich yellow blooms.....10
 6378 **Crimson King.** Brilliant crimson flowers, perfectly double and round as a ball. A charming effect can be made by sowing this variety and Snowdrift together.....10

PRIMULA OBCONICA.

PRIMULA OBCONICA.

PER PKT.

- 6423 A profuse blooming Primrose bearing on long stems heads containing 10 to 15 flowers. It thrives in a cool house, and will grow in favor with those desiring plants that will grow easily. The flowers are pure white, shading occasionally to lilac, and have the true Primrose fragrance. It is in all respects a lovely flower, and as it becomes better known it will be appreciated at its true worth. An incessant bloomer, the plants frequently flowering during the entire year.....50

PRIMULA FLORIBUNDA.

This is one of the prettiest and best of the Primroses, and is of the same general character and type as *P. Obconica*, differing only in color of the flower, which is a lovely shade of primrose yellow. Very fragrant and free blooming; a plant that will thrive under window cultivation.....50

HARDY PRIMROSES.

These are among the best of the early spring blooming plants. With a slight protection they will stand the winter, but do better if protected by a cold frame.

- 6432 **Primula Japonica.** Bright and showy flowers, borne in whorls on stems 6 to 9 inches long; mixed colors.....15
- 6415 **Primula Veris** (*English Cowslip*). Flowers of different colors, yellow, brown, and yellow, etc.; very fragrant; 6 inches.....10
- 6431 **Primula Vulgaris.** The common hardy English variety; flowers fragrant and of a light canary-yellow color.....10

RICINUS.

(Castor Oil Bean.)

Ornamental plants of stately growth and picturesque foliage, with brilliant-colored fruit, producing a sub-tropical effect; fine for lawns, massing, or centre plants for ribbon-beds; half-hardy annuals.

- 6471 **Borboniensis Arboreus.** Very large and beautiful foliage: 15 feet..... 5
- 6472 **Gibsoni, or Duchess of Edinburgh.** Dwarf branching habit, deep red foliage; 5 feet..... 5
- 6476 **Queen of Cambodia.** The main stem and leaf stalks are shining ebony, leaves large, regularly divided and richly colored. The foliage assumes different shades as the plant increases in size, so that very striking effects may be obtained when planted in groups.....20
- 6474 **Philippensis.** A new variety from the Philippines, with beautiful gigantic foliage; 10 feet..... 5
- 6473 **Sanguineus.** Blood-red stalks and clusters of red fruit; 8 feet..... 5
- 6475 **Tricolor.** Green and brown-spotted red fruit, red stalks; 6 feet..... 5
- 6480 **Mixed.** Per oz., 50 cts..... 5

CASTOR OIL BEAN.

SALPIGLOSSIS.

RUDBECKIA.

(Cone Flower.)

Very showy hardy annuals bearing large flowers, and continuing in bloom a long time.

PER PKT.

- 6482 **Newmani.** Bright yellow petals surrounding a large black cone; a showy flower.....10

SALPIGLOSSIS.

Neat and beautiful ornamental autumn blooming plants, with curiously pencilled and marbled funnel-shaped flowers; suitable for the greenhouse or flower border; of easy culture, requiring a light, rich soil; half-hardy annual; 1½ feet.

- 6485 **Large Flowered.** All colors, mixed..... 10
- 6490 **Small** “ All colors, mixed..... 5

SALVIA.

(Flowering Sage.)

A favorite greenhouse and bedding plant, bearing long spikes of flowers in great profusion from July to October; half-hardy perennials, blooming the first year from seed; 3 feet.

- 6493 **Splendens** (*Scarlet Sage*). Beautiful, bright scarlet. Per oz., \$3.00.....10
- 6495 **Farinacea.** Spikes from 9 to 18 inches long, light blue flowers and beautiful dark blue woolly-haired bracts.....20
- 6494 **Patens.** Superb deep blue.....20
- 6498 **Involucrata.** A showy species, bearing long spikes with rose-colored bracts and splendid rosy-crimson flowers, 1½ inches in length, in dense whorls of six flowers.....25
- 6496 **Argentea.** Beautiful ornamental silvery foliage plant, with spikes of white flowers.....10
- 6497 **Carduacea.** A novelty from California, having no resemblance to any other Salvia. White, woolly, Thistle-like leaves; large, light blue, fimbriated flowers, with wide vermilion anthers, borne in whorls, 4 to 6 on each stem. Thrives best in a sunny, dry situation; if sown early it blooms in May.....15

PRIMULA VULGARIS.

SALVIA

SANVITALIA.

SCHIZANTHUS.

SANVITALIA.

A valuable dwarf bedding plant; fine for rockeries, etc.; flowers during the summer and autumn months, thriving best in a light, rich soil; hardy annual; 6 inches.

- 6492 **Procumbens Flore Pleno.** Double golden yellow.....10

SAPONARIA.

(Bouncing Bet.)

Beautiful compact-growing plants, with masses of miniature cross-shaped flowers, blooming throughout the summer and late in the autumn; hardy annual.

- 6500 **Mixed.** All colors; 6 inches..... 5

SCABIOSA.

(Mourning Bride, or Sweet Scabious.)

One of our handsomest summer border plants, producing in great profusion very double flowers in a variety of shades and colors; a splendid flower for table bouquets, etc.; hardy annual.

- 6510 **Tall Mixed.** Double, all colors; 2 ft. Oz., 60 cts. 5
6520 **Dwarf Mixed.** Double, all colors; 1 foot..... 5
6505 **Candidissima Alba Pleno.** Double pure white flowers, excellent for florists' use; 2 feet.....10

SCHIZANTHUS.

(Butterfly Flower.)

A splendid class of plants, combining elegance of growth with a profusion of rich and various colored flowers, fine for greenhouse decoration and the flower garden; of easy culture; half-hardy annual.

- 6525 **Papilionaceous.** A charming variety, resembling some species of Orchids. The flowers are purple, spotted with yellow, orange crimson and black.....10
6530 **Mixed.** All colors of the tall varieties; 2 feet.....5

SEDUM.

(Stonecrop.)

A pretty and useful little plant, growing freely on rock or rustic work, hanging-baskets, etc.; during the summer they expand their brilliant star-shaped flowers in profusion; mixed colors and varieties; hardy perennial; 3 inches.

- 6540 **Mixed.**.....10

SENSITIVE PLANT.

(Mimosa.)

Curious and interesting plants, with pinkish white flowers; the leaves close and droop when touched or shaken; they require a mixed soil of peat, loam and sand; tender annual.

- 6555 **Pudica.** 1½ feet. 5

SENECIO, or JACOBÆA.

A showy half-hardy perennial from South Africa. It produces in great profusion branching spikes of bright flowers, 1½ inches in diameter, from spring until fall, and will bloom all winter in a cool greenhouse.

- 6550 **Speciosus.** Bright magenta.....20

SILENE.

(Catch-Fly.)

A beautiful, early, free-blooming plant, adapted for beds, borders, or ribbon-gardening; of easy culture, growing in any garden soil; hardy annual; 1 foot.

- 5660 **Armeria Mixed.** Red, white, and rose. Per oz., 60 cts..... 5
6557 **Pendula Flore Pleno.** Producing charming double rose-colored flowers in profusion.....10

SMILAX.

(See *Myrsiphyllum Asparagoides*.)

SNAP DRAGON (See *Antirrhinum*.)

"SNOWFLAKE" STOCK.

"SNOWFLAKE" STOCK.

- 6603 In habit this stock closely resembles the Dwarf Pyramidal; it produces a vigorous main spike of uncommonly large and very double snow-white flowers and, when fully developed, numerous flowering side-shoots. Its glossy dark green foliage renders the dazzling whiteness of the flowers more conspicuous. It is one of the earliest of the Dwarf Ten Week Stocks, and is admirably adapted for forcing. Seed produces about 60 per cent. of double flowers.....25

STOCKS.

(*Mathiola annua*.)

The Stock is one of the most popular plants, either for bedding, massing, or pot-culture; for brilliancy and diversity of color or profusion and duration of bloom it is unsurpassed. The TEN WEEK STOCKS (*Mathiola annua*) are generally cultivated, and bloom from ten to twelve weeks after being sown; they grow from 6 to 18 inches high, and when grown in light, rich soil, and occasionally watered with weak guano water, they bear an immense quantity of bloom, so that each plant forms a perfect bouquet of delightful fragrance. For early flowering, start the seeds in a greenhouse or hot-bed, and transplant into the garden in May after all danger of frost is over; half-hardy annual.

- 6610 **Dwarf Wallflower Leaved, Mixed.** 15 in....15
6604 **Dwarf Wallflower Leaved.** Bright yellow....15
6601 **Dwarf Wallflower Leaved Ten Week.**
Double. Pure White.....15
6602 **Dwarf Wallflower Leaved Ten Week.**
Double. Carmine15
6596 **Dwarf Bouquet Ten Week, Mixed.** Blooms in the shape of a bouquet, with beautiful double flowers of various colors; 10 inches.....15
6597 **Perpetual Dwarf Ten Week, Mixed** (*Semperflorens*). A double constant blooming sort, with fine double flowers of various colors; 15 inches....10

STOCKS—Continued.

Large Flowering Dwarf Ten Week. The following are the best double varieties and most desirable colors for cultivation; 15 inches.

	PER PKT.
6591 Blood Red	10
6592 Crimson	10
6593 Light Blue	10
6594 Purple	10
6595 Pure White	10
6598 Bright Pink	15
6600 Mixed. All choice double large-flowering.....	10
6612 Intermediate, or Autumnal Flowering, Mixed. Very beautiful; choice double flowers; 2 feet.....	10
6611 Brompton, or Winter, Mixed. Half-hardy biennial, bushy plants; producing a beautiful display of double flowers; 2 feet.....	10
6613 Perpetual, or Emperor White. A pure white Brompton Stock.....	20
Giant Perfection, Mixed. Very showy flowers; habit of plant strong and inclined to grow tall.....	10
6614 Hardy's All the Year Round. This beautiful variety produces fine large spikes of double white flowers, from January to December, in the greatest profusion. 75 per cent. come double; 1 foot.....	15
6609 Collection of Ten Week Stocks, Large Flowering Dwarf, 12 varieties	\$1.00
6619 Collection of Perpetual Stocks, 6 varieties	50

SWEET PEAS.

SOLANUM.

Interesting greenhouse shrubs; bearing bright colored seed pods; for groups on lawns or single specimens they are quite desirable. They grow freely in a light, rich soil. Half-hardy perennials.

6565 Ciliatum. A brilliant scarlet fruiting variety which retains its bright color and form long after ripe; fine for Christmas decorations. The fruit is about 1 inch in diameter. They grow freely in a light, rich soil, and fruit the first season from seed. Half-hardy annual; 2 feet.....	5
6570 Mixed. Different varieties and colors.....	10

STEPHANOTIS.

A greenhouse evergreen perennial climber, producing clusters of fragrant flowers in the greatest profusion.

6584 Floribunda. White; 20 feet.....	50
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STEVIA.

Free-blooming plants, bearing a multitude of fragrant flowers; suitable for summer or winter blooming.

6622 Serrata. Pure white.....	10
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STOCKS.

SWEET WILLIAM.

SWAN RIVER DAISY (See Brachycome).**SWEET PEAS.**

(*Lathyrus Odoratus.*)

Beautiful fragrant free-flowering plants, thriving in any open situation; excellent for screening unsightly objects; will bloom all summer and autumn if the flowers are cut freely and the pods picked off as they appear. They may be sown in autumn in this section; early sowing is necessary; hardy annuals; 6 feet.

5993 Blue Bird. Bright blue.....	5
5996 Capt. Clarke (Tricolor). White, rose and purple.....	5
5998 Crown Princess. Blush.....	5
6004 Invincible Carmine. Bright carmine.....	10
5997 “ Scarlet. Bright scarlet.....	5
6003 Orange Prince. Orange pink, flushed scarlet.....	25
6005 Painted Lady. Red and white.....	5
5995 Princess Beatrice. Bright rose pink.....	10
6006 Purple Crown. Purple.....	5
5994 Snowflake. Pure white.....	5
6001 Vesuvius. Carmine rose, dotted crimson.....	15
6000 Mixed. All colors.....	5
“ “ per oz., 15 cts.; per lb.....	\$1.00
Separate colors, per oz., 20 cts., per lb.....	\$1.50
5999 Collection of Sweet Peas, 10 varieties	40
6009 “ “ “ 6 sorts, our selection, one ounce of each.....	\$1.00

EVERLASTING PEAS (See Lathyrus).**SWEET WILLIAM.**

(*Dianthus Barbatus.*)

A well-known attractive free-flowering plant, which has been greatly improved of late years, producing a splendid effect in beds and shrubbery with their rich and varied flowers; hardy perennial; 1½ feet.

6625 Auricula Flowered Perfection, Mixed. A beautiful class of “eyed” single varieties, all colors. Per oz., \$1.00.....	10
6640 Mixed. Single, good colors. Per oz., 50 cts.....	5
6630 Double. The finest colors, saved from a splendid double collection. Per oz., \$2.00.....	10

SWEET SULTAN.

(*Centaurea Moschata.*)

Sweet-scented, profuse flowering, showy plants, of easy culture, and very effective in shrubbery; hardy annuals.

5458 Mixed. Blue, purple and white; 2 feet.....	5
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THUNBERGIA.

TOBACCO.

TAGETES.

A dwarf, globular, compact, bushy plant, with beautiful delicate fern-like leaves, densely covered with flowers; valuable for borders as well as beds; half-hardy annual.

6654	Signata Pumila. Bright yellow, striped brown; 1 foot.....	5
6655	Pumila Golden King. An attractive rich orange color, short and compact habit, very free-flowering; 10 inches.....	10

THUNBERGIA.

(Black-Eyed Susan.)

Beautiful rapid-growing climbers, thriving in a light, rich, loamy soil, in warm situations in the garden; the flowers are very pretty, and are borne profusely during the season; fine for vases, rustic-work, or greenhouse culture; half-hardy annuals; 4 feet.

6661	Alba Oculata. White, dark eye.....	5
6662	Alata. Buff, dark eye.....	5
6663	Aurantiaca. Orange, dark eye.....	5
6664	Bakeri. Pure white.....	5
6670	Mixed. All colors. Per oz., 60 cts.....	5

TOBACCO.

(Nicotiana.)

A beautiful new sort, with showy white and green foliage; half-hardy annual; 4 feet.

6675	Variegated Foliage	10

TORENIA.

A very fine annual, forming a splendid plant for vases, hanging-baskets, the greenhouse, or for growing out of doors; they are covered until late in the season with one mass of bloom.

6681	Fournieri. Large sky-blue flowers, with three spots of dark blue, and a bright yellow centre.....	20
6683	Bailloni. A valuable species, distinguished for the size and charming color of its flowers, which are bright golden yellow with a brownish-red throat. An admirable contrast with T. Fournieri; 15 inches.....	20

TROPÆOLUM (See Nasturtium).**VALERIANA.**

(Hardy Heliotrope.)

Very showy border plants, or for mixing with shrubbery; growing in any garden soil, doing well in the shade; producing large corymbs of flowers; hardy perennial.

6690	Mixed. Bright red and white; 2 feet.....	5

VERONICA

(Speedwell.)

Very ornamental plants for garden or pot culture; it makes an extremely pretty edging for small beds, etc.; half-hardy annual; 6 inches.

6693	Syriaca, Mixed. Blue, white, etc.....	10

VERBENA HYBRIDA.

An indispensable bedding plant. Though they are half-hardy perennials, they can be treated as hardy annuals; they bloom the first season from seed, and bear bright flowers of many different shades.

6705	Auriculæflora. Beautiful colors of auricula-eyed varieties.....	25
6706	Blue	20
6701	Candidissima. A decided improvement, producing large trusses of the purest white flowers, invaluable for florists.....	25
6702	Coccinea. Brilliant scarlet.....	25
6703	Dreer's Striped. Beautiful striped varieties of brilliant shades.....	25
6700	Dreer's Choicest Mixed. Selected from our large collection of the newest and finest-named varieties and richest colors. Per oz., \$5.00.....	20
6707	Dreer's Mammoth. This strain presents a marked advance in the Verbena. The flowers are very large, of brilliant colors and charming appearance.....	25
6704	Golden-Leaved Scarlet. Golden yellow foliage, which strikingly contrasts with the bright scarlet flowers. A valuable acquisition for bedding, as it remains unimpaired until frost; reproduced true from seed.....	25
6711	Snowball. This variety grows into a compact bush instead of being of straggling habit. The umbels are large and bear medium-sized pure white flowers. As it can be kept down to a height of 5 or 6 inches, it will doubtless prove of value as an edging plant.....	25
6710	Mixed. All colors of the older sorts. Per oz., \$2.00.....	10
6709	Collection of Verbena, 6 varieties	60

DREER'S MAMMOTH VERBENA.

MAMMOTH VERBENA.

The flowers are very large, of brilliant colors and have large, distinct eyes. We consider the Mammoth Verbena one of the very best new things offered for many years. In coloring they excel the old varieties, are of vigorous habit and free-blooming, and are the most attractive of the class.

The seed we offer is the True Mammoth, and is not the Large Flowering German variety which we find worthless here.

6707	Mixed	25

TORENIA.

VINCA.

VINCA.

(Madagascar Periwinkle.)

Ornamental free-blooming plants; they flower from seed, if sown early, the first season, continuing until frost; or they may be potted and kept in bloom through the winter; 2 feet.

	PER PKT.
6713 Rosea. Rose, with dark eye.....	10
6714 Alba. White, with crimson eye.....	10
6715 Alba Pura. Beautiful pure white.....	10
6720 Mixed. Per oz., \$1.50.....	10

VIRGINIAN STOCK.

(Cheiranthus Maritimus.)

Beautiful free-flowering little plants, very effective in small beds, edgings, or baskets, growing in any soil; hardy annuals.

6620 Mixed. All colors; 3 inches.....	5
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VIOLET.

(Viola Odorata.)

Well-known fragrant early spring blooming plants for edgings, groups, or borders; thriving best in the summer in a shady situation, in a rich, deep soil; extensively used by florists for forcing for cut flowers during the fall and winter months; hardy perennials; 6 inches.

6725 Single Blue (<i>Odorata Semperflorens</i>). Very sweet-scented blue flowers.....	10
6726 Single White, The Czar. Very fragrant and free-flowering.....	10

WALLFLOWER.

(Cheiranthus Cheiri.)

Well-known deliciously fragrant garden plants, blooming early in the spring, with large conspicuous spikes of beautiful flowers; they should be protected in a cold frame in the winter, and planted out in May; are much prized for bouquet flowers; half-hardy perennials.

6741 Single. Old gold color.....	10
6740 Single Mixed. All colors; 2½ feet.....	5
6731 Double. Fine bronze color.....	15
6730 Finest Double Mixed. All colors; 2 feet.....	10
6739 Collection of Double Wallflower in original imported packets, 12 varieties.....	\$1.00
6749 Collection of Single Wallflower, 6 varieties.....	50

WHITLAVIA.

WALLFLOWER.

WHITLAVIA.

Charming hardy annual, with delicate foliage and clusters of beautiful bell-shaped flowers, fine for ribboning, mixed borders, or shady spots; growing freely in any garden soil, also good for baskets, vases, etc.; 1 foot.

PER PKT.

6745 Grandiflora. Large, violet-blue.....	5
6746 Gloxiniodes. Beautiful large Gloxinia-like flowers, pure white corolla, and delicate blue lip.....	2

WIGANDIA.

A grand and stately ornamental plant, with beautiful large leaves 3 feet long and 1½ feet wide, imparting a sub-tropical effect to the garden; half-hardy perennial; 6 feet.

6751 Caracasana.	15
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YUCCA.

(Adam's Needle.)

A splendid plant with large clusters of creamy-white tulip-like flowers on tall stems; hardy perennial; 3 feet.

6775 Filamentosa. White.....	5
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ZEBRA ZINNIA.

POMPONE ZINNIA.

ZINNIA ELEGANS, FL. PL.

(Youth and Old Age.)

Double Zinnias are an acquisition to our list of garden favorites; of branching habit and splendid brilliant colored double flowers, rivalling the Dahlia in beauty and form. The seed can be sown early in the hot-bed and transplanted, or sown later in the open ground; half-hardy annuals; 2 feet.

6781 White. Pure white flowers, fine for florists.....	10
6782 Haageana. A splendid double variety; flowers deep orange, margined with yellow, keeping its color when dried as a winter flower.....	10
6783 Pomponé. Excellent Zinnias, differing from the older ones in habit of growth and the immense size of their perfectly formed very double flowers of various striking colors. The plants are dwarf and bloom freely during a long period.....	10
6784 Robusta Plenissima. The flowers are 5 to 6 inches across, perfectly formed, very double and of striking colors. The plants grow to a height of 3 feet and remain in bloom a long time.....	10
6785 Scarlet Bedder. A Pomponé variety, bearing fiery scarlet blooms of large size.....	10
6800 Pumila Flore Pleno. A new strain of dwarf extra-double varieties, quite distinct from the above, of splendid rich colors, mixed; 1 foot.....	10
6791 Zebra. A very pretty strain of striped flowers. As the colors vary on each plant, they present a curious as well as pretty appearance.....	15
6790 Extra Choice Mixed. Saved from selected double flowers. Per oz., 75 cts.....	5
6789 Collection of new Dwarf Double Zinnia in imported packets, 6 separate colors.....	50

**Zebra
Zinnias.**

Flower Seeds in Assortments.

The following assortments are principally imported from Europe. They are sold in original packages only. Each variety or color separate in the package. No parts of assortments can be made.

	Colors. Pkt.		Colors. Pkt.
5139 ANTIRRHINUM. Finest Tall	10 50	6059 MARIGOLD	10 40
5129 " Finest Dwarf Tom Thumb	10 50	6089 MARVEL OF PERU. (Four O'clock.)	
5179 ASTERS. Finest Quilled	18 \$1.00	12 varieties.....	50
5189 " " ".....	10 60	6109 MIGNONETTE	10 50
5199 " Truffaut's Pæony Perfection	12 1.00	6149 NASTURTIUM. Dwarf Tom Thumb	12 50
5209 " Victoria	12 1.00	6159 " Climbing	12 50
5219 " Boltze's Dwarf Bouquet	12 1.00	6239 PANSIES. Beautiful varieties	12 \$1.00
5229 " Giant Emperor	12 1.00	6299 PETUNIA. Large flowering single var's	12 1.00
5239 " Large Flowered Rose	10 75	6309 " Extra Double. Fringed var's	12 1.25
5249 " Cocardeau, or Crown	6 50	6339 PHLOX DRUMMONDI	12 75
5259 " Goliath	6 50	6349 " Grandiflora. Large flowering	12 1.00
5269 BALSAM. Improved Double Camellia	6 1.00	6359 " Nana Compacta. Dwarf	6 75
5289 " Very Fine Double Camellia	6 50	5739 PINKS. Chinensis and Heddewigl	12 60
5279 " Double Rose Flowered	12 1.00	6409 PORTULACA. New Double	8 60
5399 CANNA. Beautiful foliage plants	12 1.00	6389 POPPY. Pæony Flowered	12 50
5389 CANDYTUFT. 6 varieties	30 50	6579 " Oriental. Perennial. 8 var's	50 50
5429 CARNATION. From the finest selection	12 1.00	6429 PRIMULA SINENSIS. Fringed Single	12 1.25
5449 CELOSIA. Dwarf Coxcomb	6 50	6439 " " Fringed Single	6 75
5699 DAHLIA. Single. 12 varieties	1.00 1.00	6449 " " Double Flowering	6 1.25
5819 FERNS. Rare and choice varieties	12 1.50	6609 STOCKS. Large flowered Ten-week	12 75
6589 GRASSES. Ornamental	18 1.15	6619 " Perpetual Flowering, "	6 40
6599 GREENHOUSE PLANTS	25 2.00	5999 SWEET PEAS	10 40
5939 HELIOTROPE. 6 varieties	40 40	6009 " " 6 sorts, 1 oz. of each	1.00 1.00
5949 HOLLYHOCKS. Charter's prize, double	12 1.00	6709 VERBENA	6 60
6659 IMMORTELLE, or Everlasting Flowers	12 75	6739 WALLFLOWER. Choice double	12 1.00
5709 LARKSPUR. Dwarf German Rocket	10 50	6749 " Choice Single	6 40
5719 " Tall Double Stock Flowered	8 50	6789 ZINNIA ELEGANS. New dwarf, double	6 50

Flower Seeds in Collections.

For the accommodation of those who are unacquainted with the varieties, we have put up the following collections of desirable, free-blooming and showy kinds for general garden culture. No parts of collections made.

No. 1. Collection of 12 annuals, free bloomers	50	No. 4. Collection of 12 new and rare annual var'ties	\$2.00
No. 2. Collection of 25 annuals, free bloomers	\$1.00	No. 5. Collection of 25 biennials and perennials	1.00
No. 3. Collection of 12 very choice annual varieties	1.00	No. 6. Collection of 100 annuals, biennials, and perennials	5.00

PARIS DAISIES.

Under this head we have gathered a few plants that bear Daisy-like flowers, and which will grow readily and bloom profusely. For full description of these varieties and for other sorts that may please the fancy better than those listed, please see the respective headings. They are all suitable for pot-culture or growing in the open ground.

BRACHYCOME, Swan River Daisy	5	CHRYSANthemUM, Burridgeanum	5
CHRYSANthemUM, Eclipse	10	" Segetum	10
" Frutescens	15	" Sultan	10
" Gladstone	10	BIDENS ATROSANGUINEA	10
" Golden Feather	10	PYRETHRUM HYBRIDUM	10

The above collection of 10 sorts, amounting to 95 ets., for 75 ets.

PURITAN.

New Hybrid Perpetual Roses.

CLARA COCHET.

A new Hybrid Perpetual Rose of great promise, bearing very large and full flowers, of a clear satin rose, with bright centre. Highly spoken of by both French and English growers.

50 cts. each.

MRS. JOHN LAING.

An exquisite pink Hybrid Perpetual. A remarkably strong grower, very fragrant and a free bloomer. The stems are long and surmounted by well-shaped buds of large size. An excellent variety for forcing or summer blooming.

50 cts. each.

SILVER QUEEN.

A very distinct and lovely Hybrid Perpetual, bearing flowers of a silvery bluish color, shaded in the centre with delicate rose pink. The flowers are beautifully cupped and produced in abundance. The habit of the plant is vigorous, every shoot being crowned with a flower-bud. It promises well as an autumnal bloomer.

50 cts. each.

GRAND MOGUL.

A seedling from A. K. Williams, producing flowers of a deep brilliant crimson, shaded with scarlet and black; in dull weather and late in summer and autumn the flowers are darker, approaching to maroon. They are large, full, of perfect, symmetrical shape, and produced in great profusion; the foliage is large and of firm texture. It has been admired wherever shown, and is destined to take first rank as a grand decorative rose. It produces exhibition blooms of the highest excellence, and has received a first-class certificate from the Royal Horticultural Society.

50 cts. each.

PURITAN.

A charming Hybrid Perpetual Rose, the result of a cross between Mabel Morrison and Devoniensis. The habit is robust and the wood straight and stiff, and carries the foliage well up to the flower. The blooms are borne on every shoot, are remarkably firm in texture, and remain perfect several days after being cut. The flowers as they open are of a rich cream color, which changes to pure white in the expanded flower. In fragrance the flowers resemble the Magnolia, are perfect in shape, and show all the good points of an exquisite rose.

Strong plants 30 cts. and 50 cts. each.

EVERBLOOMING ROSES.

DINSMORE.

A vigorous and free-blooming rose, perfectly hardy and bearing profusely large perfectly double flowers of a rich scarlet crimson color. It is an incessant bloomer and a rose that will meet the wants of all rose fanciers.

50 cts. each.

LUCIOLE.

LUCIOLE.

Very bright carmine rose, tinted and shaded saffron yellow, base of petals coppery yellow. A lovely sort, combining all the characteristics of a good forcing rose. Buds are large and full, equalling C. Mermet in size, and are very fragrant.

30 cts. each; \$3.00 per doz.

MAD. ETIENNE.

A profuse blooming sort, bearing large, full and very fragrant buds of a rosy pink color. The edge of the petals shades off to light rose; centre occasionally shows a rich blush. A good forcing and garden variety.

30 cts. each; \$3.00 per doz.

METEOR.

A rich, dark velvety crimson Hybrid Tea; a free-bloomer and vigorous grower, showing no tendency to mildew. Does not run single during summer, and as a garden rose it will prove invaluable. We cannot recommend it as a good forcing variety.

30 cts. each; \$3.00 per dozen.

MAD. SCHWALLER.

A Hybrid Tea, having the fragrance of La France and possessing the firmness, size and texture of the Hybrids with the freedom of flowering of the Tea class. One of the best of the new introductions and certain to please. Of globular form and rosy flesh color, deepening toward the edges.

30 cts. each; \$3.00 per dozen.

M'LE C. PERREAU.

A seedling from S. de Un Ami, but of larger size and better form than its parent. Habit of plant vigorous and productive. The flowers are of a bright rose color with a silvery shade. This sort will prove valuable either in or out-doors.

30 cts. each; \$3.00 per dozen.

PRINCESS BEATRICE.

A magnificent yellow Tea Rose, equalling in size the Catharine Mermet. The flowers, which are carried on long, stiff stems, are of perfect form and a lovely shade of golden yellow with a slight tint of pure rose on the edge of the petals. A distinct and charming sort.

30 cts. each; \$3.00 per dozen.

PRINCESS HOHENZOLLERN.

A promising red Tea Rose, a probable seedling from Papa Gontier. In color a bright glowing red, of large size, fine shape, fragrant and prolific.

30 cts. each; \$3.00 per dozen.

THE GEM.

A good spring and summer blooming rose. The flowers are large and of a good substance, of a creamy white color, occasionally tipped rose pink. Resembles Marie Van Houtte.

40 cts. each; \$4.00 per dozen.

YE PRIMROSE DAME.

An exquisite Tea Rose. The outer petals are a lovely primrose color shading to deep apricot in the centre. Very full and double, cup-shaped, showing the rich shading of the centre. A free-flowering and fragrant rose.

30 cts. each; \$3.00 per dozen.

VISCOUNTESS FOLKESTONE.

A Hybrid Tea Rose of artistic shape and color. It forces readily, is of strong growth and bears lovely white flowers tinged salmon pink, slightly cupped and delightfully fragrant. The buds are of large size, pointed and borne profusely.

30 cts. each; \$3.00 per dozen.

PAPA GONTIER.

SELECT TEA ROSES FOR SUMMER BEDDING.

This list consists of the cream of the Tea Roses, and comprises only desirable shades of color, and combines all the essential points of merit, viz.: vigor of growth, freedom of bloom, hardiness and fragrance.

Bon Silene. Brilliant carmine rose; a well-known and favorite variety.

Catherine Mermet. Bright flesh color, full and beautiful; one of the most lovely of its color.

Countess de la Barthe, or Duchess de Brabant. One of the most valuable bedding varieties, of a beautiful silvery pink color, very fragrant.

Countess Riza du Parc. A grand rose of strong, vigorous growth, color bright coppery rose, shaded violet crimson.

Comtesse de Freigneuse. A charming yellow Tea Rose, very fragrant; the buds are long and pointed, nearly equal in size to Perle des Jardin, and are of a light yellow color, somewhat similar to M. Niel.

Chas. Rovoli. Beautiful tender rose, with deeper centre, large and double; a free and continuous bloomer.

Etoile du Lyon. Fine striking sulphur yellow, deeper in the centre, beautiful, open bloom; the most valuable yellow rose for summer bedding.

Homere. Tender rose with salmon centre; a most desirable out-door sort.

Isabella Sprunt. Light canary yellow, buds of medium size, very fragrant and free-blooming.

Louis Richard. Orange yellow, shaded with coppery red; a fine large double flower; quite hardy.

Mad. Camille. Fine light rose, large, globular flowers; full and double.

Mad. de Watteville. Salmon blush, each petal bordered light rose like a tulip, a lovely color and shape.

Mad. Dubrocca. A splendid rose; extra large, full flowers, and finely formed buds; color clear salmon, delicately tinged and shaded with carmine.

Mad. Joseph Schwartz. Light salmon rose, changing when fully expanded to creamy white; one of the most valuable summer flowering varieties.

Mad. Margottin. Dark yellow with rosy centre; an old and well-known favorite.

Mad. Welche. Light yellow with dark orange centre, very large, full and of fine form.

Marie Guillot. White, slightly tinted with lemon, very large, finely shaped flowers; a valuable rose.

Niphetos. Pure white, full, fragrant, magnolia-like petals; a general favorite.

Papa Gontier. Exceedingly free-flowering; one of the finest roses either for out-of-doors or for winter forcing. The blooms are large and long, and of a dark carmine crimson.

Perle des Jardins. Beautiful rich yellow, of large size and perfect form.

Safrano. Saffron yellow, beautiful in the bud; a well-known favorite.

Souvenir D'un Ami. Bright rose, of large perfect form, fragrant, flowers in clusters; one of the best pink roses.

Sunset. Of large size and perfect shape; it is of a rich shade of saffron and orange.

The Bride. A lovely pure white rose of the Mermet type; it is very full and double, free-flowering and excellent either for forcing or for summer planting.

Vallee de Chamounix. White, with copper-colored centre; reverse of petals yellowish white.

Wm. Francis Bennett. An admirable forcing rose; its rich, glowing crimson color and charming fragrance, combined with large size and correct shape, have rendered it a general favorite.

First size 40 cts., \$4.00 per dozen; or the set of 25 for \$7.00.

Second " 30 " 3.00 " " " " " 5.00.

Third " 15 " 1.50 " " " " " 2.50.

CATHERINE MERMET.

NIPHETOS.

TEA ROSES. GENERAL COLLECTION.

The tea-scented everblooming Roses are admired for their delicious fragrance, free blooming qualities and the exquisite shapes and coloring of their flowers. They make excellent bedders, and yield a succession of bloom through the entire season.

Bella. Pure white; fine for summer bedding.

Bougere. Deep rosy bronze, very large.

Clothilde Soupert. Fine carmine rose, large and full.

Chas. Ravolli. Beautiful tender rose, centre brighter, large and double; a free bloomer.

Devoniensis. Creamy white, of lovely form.

Duchess de Brabant. Silvery pink, free and sweet.

Duchess of Edinburgh. Intense dark crimson.

Isabella Sprunt. Light canary yellow, buds of medium size, very fragrant and free-blooming.

La Pactole. Pale yellow; very free.

Mad. Cussin. Purple rose, white centre, tinted yellow, large, full, and well formed.

Mad. Dubrocca. A splendid rose; extra large full flowers, and finely formed buds; color clear salmon, delicately tinged and shaded with carmine.

Mad. Russell. Creamy buff, shaded with pink.

Marie Sisley. Creamy white, bordered with rose.

Souv. de St. Pierre. Showy flowers in clusters; profuse bloomer; color bright purplish crimson.

White Bon Silene. A sport from Bon Silene, of creamy white color; free and fragrant.

First size 40 cts. each, \$4.00 per doz. Second size 30 cts. each, \$3.00 per doz. Third size 10 cts. each, \$1.00 per doz.

HARDY EVERBLOOMING ROSES.

The brilliant colors and hardy habit of this class, combined with freedom of blooming, render them specially valuable for massing. They are also desirable for growing in the house. A slight protection of leaves or straw will enable them to stand the severest weather.

Agrippina (Queen's Scarlett). Deep scarlet crimson.

Cels. Beautiful blush.

Camoens. Bright peach color.

Hermosa. Light pink; very free-blooming.

Mad. Jean Sisley. Flowers large and full; cup-shaped, soft shade of white; outer petals imbricated; an elegant free-flowering rose.

Nameless Beauty. Blush-tinged salmon; very fragrant.

Pierre Guillot. Bright dazzling crimson, passing to carmine; flowers large, very double and full, and highly scented; a healthy and vigorous grower.

Red Souvenir de Malmaison. Large flowers, beautifully imbricated, perfect form; color bright glowing crimson, rich and velvety, highly scented.

Souvenir de Malmaison. Blush, very large double and fragrant; a leading summer variety.

First size 40 cts. each, \$4.00 per doz. Second size 30 cts. each, \$3.00 per doz. Third size 15 cts. each, \$1.50 per doz.

MARECHAL NIEL ROSES.

(FOR FORCING.)

We have imported some extra large M. Niel Roses, with canes 8 to 12 feet long. The plants are now dormant and are in fine condition. For forcing they will be found in every way superior to the general run of plants of this variety, as they have been grown specially for this purpose.

\$2.00 each.

HER MAJESTY.

BARONESS ROTHSCHILD.

HYBRID PERPETUAL ROSES.

In the list offered we believe that the range of color comprises all the distinct and really valuable shades. Many sorts have been left out, not because they are of no value in themselves, but that the sorts listed are superior in size, hardiness, vigor, productiveness or some other characteristic that is necessary to make a good rose.

The best effects are produced where masses of few colors are used, thereby avoiding the uneven and checker-board appearance of a body of miscellaneous varieties, whose demand for favor lies simply in that they are "different."

Alfred Colomb. A splendid rose; large, globular, full, and very sweet; bright clear cherry red, shaded with crimson.

American Beauty. An excellent rose for forcing or open air. The flowers are very double, of a deep crimson color, and very fragrant. Its blooming qualities are remarkable, as it is scarcely ever out of flower, and is a true type of what a Hybrid Perpetual Rose should be.

Anna de Diesbach. Clear bright carmine; very large and finely shaped, full and fragrant.

Baron de Bonstettin. Dark red, almost black; very large, double, fragrant flowers; a strong grower.

Baroness Rothschild. A magnificent rose; flowers extra large, full and globular; color rich silvery white, delicately tinged with pale blush; rare and exquisitely beautiful.

Boule de Nieve (*Ball of Snow*). A pure white rose of good substance, of fine form and medium size.

Chas. Lamb. A lovely clear bright red. Very beautiful in bud. A continuous bloomer.

Camille Bernardin. Deep red; free and fragrant.

Captain Christy. A lovely rose, blooming almost the entire season; very large double buds of a deep flesh color; strong grower and grand foliage.

Cardinal Patrizzi. Rich velvety crimson.

Chas. Lefebvre. Bright velvety scarlet, petals smooth and thick; beautifully formed.

Countess of Oxford. Bright carmine red; shaded. A large and full rose.

Diana. Fine clear deep pink; large, very double and of cupped form.

Duke of Albany. Vivid crimson when first opening, changing to a velvety black; large and full; a good autumnal bloomer.

Duchess of Bedford. Dazzling light scarlet crimson, perfectly globular and of large size.

Fisher Holmes. Rich velvety crimson, large double, and of fine form; a splendid rose.

Garden Favorite. Bright pink, large and full; a very free bloomer.

Geant des Batailles. Bright scarlet crimson.

General Jacquemenot. Brilliant scarlet crimson, a most superb and glowing color; large flowers.

General Washington. Very double crimson.

Helen Paul. Very large and fragrant, globular, pure white, sometimes tinted rose.

Her Majesty. Of immense size, perfect symmetry, and a lovely shade of rose pink-tinted flesh color. The claims made for it as a forcing rose have hardly been borne out, but we consider it extremely valuable as an out-door rose. As a pillar rose for the South it will be found valuable, as it has a tendency to climb.

Jean Liabaud. Rich velvety crimson, reflexed with dark carmine.

John Hopper. Bright rose, carmine centre; flowers large, cupped, and well formed.

Jules Margottin. Bright carmine, cupped; very fragrant; a splendid variety.

La France. Splendid satin rose; very large, full, fine form; a constant bloomer. The sweetest of all roses, and none can surpass the delicacy of its coloring.

Lady Sheffield. A large and full flower, of a brilliant rosy cerise color.

Lord Bacon. Deep crimson, illumined with scarlet and shaded velvety black; a large and globular flower.

Louis Van Houtte. Bright crimson, shaded black.

Mabel Morrison. Pure white; in autumn faintly flushed with pink; a lovely and distinct rose.

Mad. Gabriel Luizet. Fine satiny rose, very large and full; growth vigorous.

Md. de Cambaceres. Rosy crimson, large and full; a free bloomer.

Magna Charta. Bright pink, suffused with carmine; a beautiful rose; strong, vigorous grower.

Maria Bauman. Brilliant carmine crimson, large and fragrant.

Marie Rady. Splendid crimson scarlet.

Masterpiece. Magnificent blooms of a rich bright rosy crimson.

Merveille de Lyon. Pure white, shaded with satiny

HYBRID PERPETUAL ROSES—*Continued.*

rose; flowers 4 to 5 inches in diameter, double, and of a beautiful cup shape.

Mons. Boucenne. Dark velvety crimson, large, full and of fine form.

Paul Neyron. Very large dark rose; by far the largest rose in cultivation; one of the most desirable. 50 cts.

Paul Verdier. Large clear rose, of beautiful form.

Perle des Blanches. Pure white, vigorous and free; blooms in clusters.

Prince Camille de Rohan. Deep velvety crimson maroon, shaded with red.

Rosy Morn. Delicate peach, shaded salmon rose; very fragrant and of perfect shape.

Queen of Queens. Pink with blush edges; large and full blooms; a true perpetual flowering rose. An excellent garden variety.

Souv. de Chas. Montault. Fiery red.

Star of Waltham. Rich deep crimson, large and double.

Ulrich Brunner. Bright cerise red; flowers large and full, and in all respects a first-class rose.

White Baroness. Pure white; a splendid bloomer.

Xavier Olibo. Dark velvety purple, shaded amaranth.

First size 40 cts. each, \$4.00 per dozen; set of 45, \$12.00.
Second " 30 " " 3.00 " " " 45, 10.00.
Third " 20 " " 2.00 " " " 45, 7.00.

TYPE OF MOSS ROSE.

MOSS ROSES.

A class of Roses which is a general favorite. The beauty of the flowers consists in the delicate mossy covering which surrounds the bud, and which gives to the opening flower a unique appearance.

The varieties listed comprise the best of this section, and are all perfectly hardy.

Blanche Moreau. Lovely pure white, large and full.

Comtesse de Murinais. Large white, beautifully mossed.

James Veitch. Deep violet, shaded crimson; very free.

Henry Martin. Fine crimson, very vigorous.

Little Gem. Dwarf habit, small double crimson flowers, finely mossed.

Luxembourg. Bright crimson scarlet.

MOSS ROSES—*Continued.*

Mt. Blanc. Pure white.

Princess Adelaide. Bright rosy pink; large.

Raphael. Pinkish white, very mossy.

William Lobb. Purplish violet.

First size 40 cts. each, \$4.00 per dozen.
Second " 30 " " 3.00 " "

PRINCE CAMILLE DE ROHAN.

TWELVE LEADING HYBRIDS SUITABLE FOR GARDEN OR FORCING.

We have selected these 12 Roses from our long list as they combine beauty of form, hardiness, fragrance, and fine coloring, and will not only adapt themselves to almost any situation, but will force readily.

Alfred Colomb. Large, full, and very sweet; bright clear cherry red, shaded crimson.

Anna de Diesbach. Clear bright carmine; very large and finely shaped, full and fragrant.

Baron de Bonstettin. Dark red, almost black; very large, double, fragrant flowers.

Baroness Rothschild. Flowers extra large, full and globular; color rich silvery white, delicately tinged with pale blush.

Captain Christy. Very large double buds of a deep flesh color; strong grower and grand foliage.

General Jacqueminot. Brilliant scarlet crimson, large and very beautiful.

La France. Splendid satiny rose; very large and fragrant.

Merveille de Lyon. Pure white, shaded satiny rose.

Prince C. de Rohan. Deep velvety crimson maroon, shaded with red.

Paul Neyron. Very large dark rose.

Ulrich Brunner. Bright cerise red, a large and full rose, and first-class in all respects.

Xavier Olibo. Dark velvety purple, shaded amaranth.

Large selected plants, 50 cts. each; set of 12, \$5.00.
Second size, 40 " " " " " 4.00.

Hardy Climbing or Pillar Roses.

The following list comprises the best of the hardy roses which are of climbing habit, and suitable for training on pillars, verandahs, etc.

Baltimore Belle. Blush, of medium size, flowers in clusters.

Gem of the Prairies. Rich rose color, very fragrant.

Gloire de Rosamene. Bright crimson, semi-double handsome buds.

Grevilla or Seven Sisters. Flowers in clusters, opening at first of a light rose color, changing to pure white.

Prairie Queen. Deep rose, hardy and desirable.

HARDY CLIMBING OR PILLAR ROSES—Continued.

Setina or Climbing Hermosa. Bright pink, very free blooming.

Waltham Climber. No. 1. Bright crimson. The three Waltham climbers are entitled to the claim of being autumnal flowering.

Waltham Climber. No. 2. Rosy crimson, fragrant.

Waltham Climber. No. 3. Dark crimson.

First size, 40 cts., \$4.00 per doz. Second size 30 cts., \$3.00 per doz. Third size 20 cts., \$2.00 per doz.

Sweet Briar. Rosy pink.

Washington. Pure white, very free.

W. A. Richardson. Orange yellow, an entirely new shade in roses; very desirable.

White Musk Cluster. Pure white; very fragrant.

Yellow Persian. Bright golden yellow, the only hardy yellow climbing rose in cultivation.

Tender Climbing or Pillar Roses.

The varieties enumerated below are not hardy in this latitude except in favored positions, or with careful protection; they are all especially adapted to covering rafters and posts in greenhouses.

Chromatella (Cloth of Gold). Golden yellow.

Climbing Devoniensis. Creamy white, of lovely form.

Gloire de Dijon. Blush and yellow, an old favorite. 20 cts. to \$1.50 each.

Lamarque. Creamy white.

Reine Marie Henriette. Rich cherry crimson, finely shaped buds.

Marechal Niel. Bright golden yellow; large and fine form, with thick leathery petals, opening well, very fragrant. 20 cts. to \$1.00 each.

Solfatere. Fine shade of yellow.

White Banksia. White small flowers; very fragrant.

Yellow Banksia. Yellow small flowers; very fragrant.

First size, 40 cts.; \$4.00 per dozen; set of 9, \$3.00.

Second " 30 " 3.00 " " " 9, 2.25.

Third " 20 " 2.00 " " " 9, 1.50.

Polyantha, Fairy or Miniature Roses.

An entirely distinct type of roses which bears its small and beautifully shaped flowers in clusters of 20 to 30 on each branch. The plants when well grown present a mass of bloom, and are excellent for summer bedding or winter pot-culture.

Anne Marie de Montravel. Very dwarf, branches freely and produces in the greatest profusion large clusters of very small but perfect white flowers; a free and continuous bloomer.

Little Pet. Flowers about one and a half inches in diameter, opening blush, but changing to pure white; a free, vigorous grower and abundant bloomer; one of the very best of this class.

Mlle. Cecile Brunner. Bright rose, yellow in the centre, flowering in clusters; very sweet.

First size 30 cts. each; set of seven \$2.00.

Mignonette. Very prolific, blooming incessantly in flat corymbs; color blush-white, shading to rosy pink.

Mad. Parquerette. Very dwarf and free branching, pure white.

Miniature. About the size of a double violet; very fragrant and of pure white color.

Perle D'Or. Peculiar and pleasing shade of reddish salmon; very free-flowering.

Second size 20 cts. each; set of seven \$1 25.

THE CULTIVATION OF ROSES.

IN submitting our revised list of Roses to our friends and customers, we feel justified in saying that our plants this season are the largest and finest we have ever offered: the flattering letters received from many of our patrons, as to the satisfactory results obtained from stock purchased of us, have made us feel that our efforts to send out good and reliable plants are appreciated.

We have more than doubled our stock, and are devoting a large area of glass exclusively to the cultivation of the Rose, besides a large tract of land at our Belmont Rose Farm for the cultivation of the more hardy varieties.

The young Roses that have been propagated during the winter from healthy parentage are planted out in April or May in ground which has been deeply plowed, as well as liberally manured, where they are cultivated until early in November, when the plants are carefully lifted, potted and stored during the winter in cold houses at our Riverton Nursery, as shown in illustration. Pot-grown plants of sorts best suited to this method are also cultivated at our Riverton establishment, and stored away during the winter in Rose pits.

This treatment is especially desirable for plants intended for out-door planting; it gives the Roses their natural season of rest, enables the grower to plant early in the spring before the foliage develops, and places them in a condition for starting off vigorously and naturally, thus avoiding the risk of diseases that attack plants grown in high temperature in forcing houses.

This treatment we find specially adapted for Hybrid Perpetual Roses, as we are enabled to furnish our customers plants that will bloom when set out in the open ground, which by the old method was nearly an impossibility, as the high temperature, unavoidable where fire heat was used, pushed them into bloom before it was safe to plant out-of-doors. Roses taken from a high temperature and subjected to the cool night air of the early spring months are invariably checked and the flowers ruined.

SECTIONAL VIEW OF ROSE PITS WITHOUT FIRE HEAT.

WINTER FORCING.

Young plants of the tea varieties may be planted on the benches between May and October in 6 inches of soil that has been specially prepared from sod taken from old pasture lands. No fertilizing material is given until the plants become well established. The best material for a stimulant is liquid manure, made from cow manure or guano, the latter to be applied carefully, say every week. Bone dust worked into the soil is a good fertilizer and lasting in its effect. By this method of growing the flowers attain large size and perfect coloring. The old way of growing the plants into large size before planting on the benches is still practiced by many and fine blooms obtained, though by using small plants as indicated less labor is required with equally good results.

Unceasing care is necessary that the proper degree of fertility and moisture is kept up, and that the temperature is not allowed to fall to the point where the plants will be chilled and subjected to an attack of mildew.

GARDEN CULTIVATION.

Preparation of the Ground.—Roses will grow in any fertile ground, but are much improved in bloom, fragrance and beauty by rich soil, liberal manuring, and good cultivation. The ground should be subsoiled and well spaded to the depth of a foot or more, and enriched by digging in a good coat of cow manure or any fertilizing material that may be convenient. Renew old beds by decayed sods taken from old pasture land.

Planting.—When the ground is thoroughly prepared—fine and in nice condition—put in the plant slightly deeper than it was before, spread the roots out evenly in their natural position, and cover them with fine earth, taking care to draw it closely around the stem, and pack firmly down with the hand. It is very important that the earth be tightly firmed down on the roots. Budded Roses should be planted three inches below the bud. Always choose the most favorable time for planting in your own locality. Roses can be planted as soon as convenient after the frost is over. They can be sent with entire safety, regardless of the season. Always select an open, sunny place, exposed to full light and air. Roses appear to best advantage when planted in beds or masses.

Watering.—If the ground is dry when planted, water thoroughly after planting, so as to soak the earth down below the roots, and, if hot or windy, it may be well to shade for a few days. After this not much water is required unless the weather is unusually dry. Plants will not thrive if kept too wet and without drainage.

Pruning.—In most seasons it is best to prune established plants of hardy kinds in March. Tender varieties (such as the Tea Roses) and newly planted Roses may be left till a month later. As a general rule close pruning produces quality, and long pruning quantity of bloom. Climbing, Weeping and Pillar Roses should not be cut back; but the tips of the shoots only should be taken off, and any weak or unripe shoots cut out altogether.

FALL AND WINTER TREATMENT.

Fall Treatment.—In the fall the Rose beds should have a good dressing of stable manure, or any fertilizing material that is convenient. The winter rains will carry the strength down to the roots, and the remaining matter makes a nice mulch, which in many places is all the protection that is necessary. In very cold localities it is a good plan to cover the beds all over with old sods, fresh earth, or coal ashes, from three to six inches deep. Where the winters are not very severe tender Roses may be nicely covered with clean Rye straw, forest leaves, or evergreen branches, but care must be taken not to put it on too thick; the covering should permit considerable circulation of air, and should not retain water; and nothing should be used that will ferment, heat or rot. The object of covering is not to keep the plants warm, but to break the force of sudden and violent changes, particularly in March, when the plants should be protected from the sun, rather than cold; the sudden thawing of the frozen wood doing the damage.

Winter Treatment.—Whatever covering is used, it should not be put on till late in the season, when the plants are well matured and severe weather close at hand; moderate freezing is not injurious. It should be understood that a certain degree of growth and development is necessary to enable even Hardy Roses and plants to bear Northern winters. If newly planted just before cold weather, they cannot bear the winter; they must be planted early enough in the season to make considerable growth and get well established before cold weather begins, otherwise they will most likely be winter-killed, in spite of any protection that can be given. In places where the winters are not more severe than at Philadelphia, many varieties of the Ever-Blooming Roses are nearly hardy, and we think the best way to treat them is to leave all in open ground, and give whatever covering may be convenient. Experience proves that the loss will be as light in this way as any other, and it is much the least trouble.

When to Uncover.—Do not uncover in the spring till frost has left the ground and there is a prospect of reasonably settled weather. When uncovered the plants should be carefully pruned, and the beds dug and raked.

Water Lilies.

Water Lilies can be grown in a very simple yet effective way by the use of oil barrels cut in two. The tubs can be arranged in a row, each one a little higher than the one next to it. The tubs may be connected with short pieces of hose; a small stream of water can be kept constantly running into the highest tub, the overflow of which will run from tub to tub, thereby changing the water in all. They can also be arranged in groups, in rockeries, etc. About the middle of May the tubs should be placed in position and filled to half their depth with a mixture of loam and well-decayed manure, which should be covered with two inches of sand after the roots are planted to prevent the manure from rising to the top.

If placed in groups the centre tub can be filled with *Nelumbium Speciosum*, and the surrounding ones with *Nymphaeas* and other aquatic plants. The space between the tubs can be filled with good compost, and planted with Tuberous Begonias, Sedums, Palms, and other suitable stuff, which will give a beautiful and tropical effect.

NELUMBIMUM.

These wonderful plants, though mostly coming from tropical and semi-tropical regions, have proven to be entirely hardy in this country, enduring any degree of cold short of actual freezing. They may be grown and flowered in a large tub, or in a cement basin sunk in the ground, where the water is 12 or 15 inches deep.

N. Luteum. Though a native of this country, it is not common. The flowers are a rich sulphur-yellow, as large as a quart-bowl, and have a strong fragrance. This will be found one of the most effective, and should be in every collection. \$1.00 each.

N. Nuciferum Album Striatum. The flowers of this are white, the edge of each petal irregularly marked and splashed with crimson. \$2.50 each.

N. Nuciferum Roseum. Flowers of a uniform deep rose pink color, much darker than *Speciosum*. First size, \$3.00 each; second size, \$2.00 each.

N. Speciosum. This is the true Lotus of Egypt, and is one of the loveliest of the Water Lilies. The flowers when just expanding are of a beautiful rosy pink color; when open they are of a creamy white and pink, and are very fragrant—they open in the morning and close in the afternoon. It is a very interesting plant and has been an immense success everywhere. First size, \$2.50; second size, \$1.00.

NYPHÆA. (Tender Varieties.)

These can be wintered in a cellar, if kept in water at a temperature of not less than 55 degrees.

Nymphaea Dentata. A white flowering species, with petals expanding horizontally, making them star-shaped. They have an agreeable perfume, but not as strong as our native Lily; the leaves are dark green, with serrated edges. \$2.50 each.

N. Cœrulea (Scutifolia). This species is a native of Egypt. It has bright green leaves and lavender-blue flowers, about 4 inches in diameter; they are very fragrant, the perfume being entirely distinct from *N. odorata*. It is very easily cultivated in a tub or tank, or it may be planted in a pond where the water is still and warm and the mud is rich. \$3.00 each.

N. Rubra. This species is a native of India, with flowers of a brilliant rosy red, stamens scarlet. The flowers are somewhat smaller than *N. Devoniensis*, measure from 6 to 8 inches, and are a trifle more cup-shaped. The leaves are of a rich brown, and when they fade turn to a gold and crimson color, like autumn leaves. \$3.00 each.

N. Zanzibariensis Azurea. The deepest colored and finest of all the blue Water Lilies; under good cultivation producing flowers 12 inches in diameter. \$5.00 each.

NELUMBIMUM SPECIOSUM.

WATER LILIES—Continued.

N. Devoniensis. This is the choicest Water Lily in cultivation. Under liberal treatment it produces flowers 10 to 12 inches in diameter, and leaves 2 feet across, the plant having a spread of 20 feet. If confined in pans, tubs, or boxes, the flowers are smaller, but otherwise just as fine; the color is a brilliant red, glowing by lamplight with indescribable brightness. First size \$2.50 each; second size, \$1.50.

NYMPHÆA.

(Hardy Varieties.)

By speaking of Water Lilies as hardy, we do not mean that they will stand actual freezing, but that they will endure the winter when placed in water beyond the reach of frost.

N. Alba Candidissima. This is a large-flowered variety of the Water Lily of England; when naturalized in still water, with a very rich soil, it produces leaves 13 inches wide and flowers 6 inches in diameter, with very broad petals of a pure white color. \$3.00 each.

Nymphæa Alba. The native Water Lily of England, possessing the same qualities as *Candidissima*, but with smaller flowers. \$1.00 each.

N. Flava. This is a true Water Lily, with yellow flowers and a delicate perfume. Its leaves are beautifully variegated with brown. It is a very desirable variety either for a pond, tub, or aquarium. \$1.00 each.

N. Odorata. Our native Water Lily, flowers pure white and very fragrant; when grown in rich mud it will produce flowers 6 inches and leaves 13 inches across. 30 cts. each; \$3.00 per dozen.

N. Odorata Minor. A small-flowered variety of our native Water Lily, producing flowers of only 1½ to 2 inches in diameter. 40 cts. each; \$3.00 per dozen.

N. Odorata Rosea (Cape Cod Water Lily). This is the famous pink Water Lily of Cape Cod, and is a grand acquisition to our list of hardy Lilies. It possesses all the desirable qualities of the white-flowered species, hardiness, freedom of bloom and delicious fragrance, with the added charm of a deep pink color. \$3.50 each; 2 for \$6.00.

GENERAL LIST OF AQUATICS.

CERATOPTERIS THALICTROIDES.

This is an extremely curious and interesting Fern, growing with its roots entirely submerged in water, either in a pot or planted out in shallow water. The fronds are from 1 to 3 feet long and beautifully forked, it is sometimes called the floating Stag's Horn Fern. 75 cts. each. Ready April 15th.

CYPERUS ALTERNIFOLIUS.

An excellent plant for growing in water or damp places; will thrive in any good soil, and always presents a green and attractive appearance. 25 cts. each.

JUNCUS ZEBRINUS.

This is a true rush, growing from 1½ to 3 feet high, producing leaves variegated in the same manner as a porcupine quill, with alternate bands of green and pure white. It may be grown either as an aquatic or as a garden or window plant. 30 cts. each.

LIMNOCHARIS HUMBOLDTI.

A pretty little aquatic, with oval leaves, and yellow, poppy-like flowers, standing out of the water. It should be grown in partial shade. It is a good plant for growing in shallow water or an aquarium. 50 cts. each.

LIMNANTHEMUM NYMPHÆOIDES.

The flowers of this are similar to the above, but the leaf is larger, resembling a small Water Lily leaf, and is very pretty. It may be grown the same as the *Limnocharis* and is perfectly hardy. 30 cts. each.

PONTEDERIA CRASSIPES MAJOR.

An improvement on *Pontederia Crassipes*, as it bears very freely flowers of a delicate lilac rose in trusses like a Hyacinth. The individual blooms are 2 inches in diameter. It should be grown in about 3 inches of water, so that the ends of the roots can enter the soil. \$1.00 each.

Hardy Grasses.

EULALIA JAPONICA VARIEGATA.

A very graceful, tall, ornamental grass from Japan. Its long, narrow leaf-blades are striped green, white, and often pink or yellow. It throws up stalks from 4 to 6 feet in height, terminated with a cluster of flower spikes; the flowers are surrounded by long silky threads, which, when fully ripe, expand like an ostrich feather when curled. These dry flowers are valuable as parlor ornaments, as they retain their beauty for a long time.

25 cts. each, \$2.50 per doz. Clumps 75 cts. each.

EULALIA JAPONICA ZEBRINA.

This variety resembles Japonica in hardiness, growth and bloom. The long blades are marked with broad yellow bands across the leaf instead of longitudinally. Its markings are unlike any other grass. It makes a very attractive specimen plant for the lawn, and will not fail to attract attention.

25 cts. each, \$2.50 per doz. Clumps \$1.00 each.

ERIANTHUS RAVENNÆ.

A perfectly hardy Ornamental Grass, which grows from 9 to 12 feet high, frequently throwing up from 30 to 50 flower spikes. It resembles the Pampas Grass, but blooms much more abundantly, and makes a desirable plant for the decoration of lawns.

30 cts. each Clumps 75 cts.

EULALIA JAPONICA ZEBRINA.

HARDY GRASSES—Continued.

ARUNDO DONAX.

ARUNDO.

Donax. A magnificent hardy grass, growing to a height of 15 feet, and forming dense clumps. It should be left undisturbed, as it increases in vigor and attractiveness from year to year. 25 cts. to \$1.00 each.

Donax Variegata. A hardy, broad-leaved, variegated bamboo; foliage creamy white and green, retaining its bright, fresh color until frost; growing 6 to 8 feet high, of graceful form and fine habit. 30 cts. to \$1.00 each.

PAMPAS GRASS.
(*Gynerium Argenteum*.)

One of the most effective of the Ornamental Grasses. Its silvery plumes are produced on stems 8 to 10 feet high. Well-established plants can remain in the open ground from year to year if protected. Requires a rich and deep soil. The plumes, when cut before they fully expand, and dried in the shade, make handsome winter decorations.

25 to 50 cts. each. Extra strong plants for immediate effect, \$1.00 to \$2.00 each.

HARDY PERENNIALS.

The plants brought under this heading are perfectly hardy, and will continue to flourish from year to year. Frequent removals are detrimental to success, as only well-established plants produce satisfactory bloom. Many charming plants are grouped in this section, and we are confident that if more perennials were planted many gardens would be wonderfully improved and the expense of keeping them attractive materially lessened.

AGERATUM. Flowers a clear purplish-mauve, borne in trusses profusely; perfectly hardy.

ANTIGONON LEPTOTUS. A splendid climbing plant from Central Mexico, producing rose-colored flowers in racemes 2 feet long. The profusion of its bloom is such as to give the resemblance of roses at a distance; hence its Mexican name, *Rosa de Montana*, or Mountain Rose. This plant is moderately hardy, with protection. The vines are killed to the ground by frost; but as this plant has tuberous roots, it quickly shoots up in the spring and develops its flowers from June till frost.

ASTILBE JAPONICA—Spiræa Japonica. Splendid for outside flowering or forcing. Flowers white.

AQUILEGIA CHRYSANTHA. A beautiful golden-spurred columbine from the Rocky Mountains. Flowers rich golden yellow; blooms in early spring.

AQUILEGIA CÆRULEA. Deep rich blue; a lovely flower.

ANEMONE JAPONICA. One of the most beautiful of the hardy herbaceous plants. They commence to open their rich-colored single blooms in August, and continue to increase in beauty until cut by frost. They thrive best in a light, rich, moist soil, and should not be transplanted more than is necessary to divide them when they become too thick.

Alba. Pure white, yellow centre, and dark eye.

Elegans. Carmine, yellow centre, and dark eye.

Rosea. Dark rose, shaded pink, yellow centre, and dark eye.

ASTERS. Very pretty free-blooming hardy plants, commencing to bloom early in the season and continuing till killed by frost. Mixed colors.

CARNATIONS. Hardy garden sorts; general favorites on account of their rich clove fragrance and bright colors. The plants we offer are grown from seed secured from the leading European sources. 15 cts. each; \$1.50 per dozen.

DELPHINIUM FORMOSUM (*Perennial Larkspur*). This is certainly one of the handsomest and most satisfactory of all the hardy herbaceous plants, and should be planted extensively, even in the smallest garden; its long spikes of bright blue flowers are produced continually from June until frost; 20 cts. each; \$2.00 per dozen.

DIANTHUS QUERTERI. One of the most beautiful of the summer-flowering pinks, of close, compact habit, and a rich crimson color; flowering profusely the entire summer; 20 cts. each, or 3 for 50 cts.

25 cts. each; \$2.50 per dozen, except where noted.

HARDY PERENNIALS—Continued.

DIANTHUS PLUMARIUS STANISLAUS. Of dwarf compact habit, blooming perpetually the entire summer; violet rose, with deep crimson centre. 20 cts. each, or 3 for 50 cts.

DIELYTRA SPECTABILIS

DIELYTRA SPECTABILIS (*Bleeding Heart*). Adapted to out-door planting or forcing for early spring blooming. It bears long racemes of graceful heart-shaped pink flowers.

DIELYTRA EXIMIA (*Plumy Bleeding Heart*). Similar in growth, but with flowers a deeper shade than *D. Spectabilis* and born in plumes. It remains in bloom a long time, frequently during the whole season.

FEVERFEW (*Little Gem*). An improvement on the old Feverfew; it is very dwarf, attaining a height of only 8 to 12 inches. The flowers are large, of more perfect form and of the purest white. 15 cts. each; \$1.50 per doz.

FUNKIA Alba (*Day Lily*). Pure white, lily-shaped, fragrant flowers; borne in large clusters.

FUNKIA Cœrulea. Blue flowers, broad green leaves.

HEMEROCALLIS KWAMSO, fl. pl. (*Double Orange Lily*). Large double copper-colored flowers; in bloom all summer; a bold and striking flower. 50 cts. each.

HEMEROCALLIS FULVA (*Lemon Lily*). Lemon-colored flowers, excellent for planting among shrubbery.

HELIANTHUS MULTIFLORUS, fl. pl. (*Double Hardy Sunflower*). An extremely useful hardy plant; it bears profusely large double flowers of a bright yellow color, which remain in perfection a long time; it should find its way into every garden.

HIBISCUS (*Perennial Mallow*). The flowers which are produced freely from July to September are 6 to 8 inches in diameter, and vary in color from pure white to deep rose. The plants grow 5 to 8 feet high and form dense bushes, which are in season a complete mass of bloom.

HIBISCUS (Perennial Mallow).

HYACINTHUS CANDICANS. A snow-white summer-flowering Hyacinth, growing 3 to 4 feet in height, gracefully surmounted with from twenty to thirty pure white bell-shaped flowers.

LYCHNIS VISCARIA ALBA PLENA. Large double white flowers, which are produced in the greatest profusion during the entire summer; very valuable for funeral designs, taking the place of the Carnation at a season when double white flowers are in great request; perfectly hardy.

LYCHNIS VISCARIA RUBRA. An early spring-blooming plant, which carries its clusters of brilliant crimson flowers for several weeks.

MYOSOTIS DISSITIFLORA (*Forget-me-not*). Hardy spring-blooming plants, bearing a profusion of lovely light blue flowers.

MYOSOTIS, ELIZA FANROBERT. Large-flowering, bright blue, of pyramidal habit; remarkably fine and distinct.

PLUMBAGO LARPENTÆ. A very useful edging plant, bearing rich deep blue flowers and continuing in bloom till cut by frost. 15 cts. each; \$1.50 per doz.

SEDUM ACRE. Excellent for cemetery use or growing under trees; flowers yellow. 15 cts. each; \$1.50 per doz.

SEDUM SIEBOLDII. Foliage bright glaucous green; flowers light rose and borne in large umbels. 15 cts. each; \$1.50 per doz.

VINCA MINOR (*Periwinkle*). A desirable trailing plant for shady places. Of rapid growth, leaves dark glossy green; light blue flowers. 15 cts. each; \$1.50 per doz.

YUCCA FILAMENTOSA (*Adam's Needle*). A fine lawn plant; in early summer it throws up long stalks bearing numerous creamy white bell-shaped flowers. 25 to 50 cts. each.

HELIANTHUS MULTIFLORUS, FL. PL.

25 cts. each; \$2.50 per dozen, except where noted.

HARDY PERENNIALS—Continued.

IRIS GERMANICA. FLEUR-DE-LIS.

IRIS GERMANICA.

These are neat, robust, hardy herbaceous early blooming plants, with large ornamental flowers of rich and elegantly blended colors, exquisitely striped with dark violet, purple, or bronzed lines, upon a lighter ground. They thrive best in low situations, and can be planted in marshy places or interspersed with low growing sedges on the margins of fish-ponds.

Bariensis. White, bordered with lilac.

Comte de St. Clair. White, shaded violet.

Fiorentine. White, pencilled blue.

Hericartiana. Pale blue.

Honorabilis. Orange, lower petals brown.

Juliette. White, violet edge, shaded blue.

Madame Chereau. White, edged violet.

Pajole. Purplish lilac, lower petals dark.

Pluton. Bronzy violet, lower petals lilac.

Raphael. Nankin yellow, lower petals purple with white veins.

Virgile. Bronzy red, lower petals lilac.

Virginal. White, petals veined with purple.

Walneri. Lilac, lower petals dark blue.

15 cts. each; \$1.50 per dozen.

IRIS KÆMPFERI.

This Japanese Iris is an excellent addition to the list of hardy herbaceous plants; it should be planted in a somewhat cool, moist situation. They are quite distinct from all the other varieties, and are as beautiful as Orchids.

Mixed colors, 25 cts. each; \$2.50 per dozen.

LILY OF THE VALLEY.

(Convallaria Majalis.)

One of the most charming of our spring-flowering plants. Its slender stems set with tiny bells diffusing a delicious odor, have rendered it a universal favorite. They are entirely hardy, and delight in a shady, well-enriched border. Roots delivered until April and after September 1st.

Single White. 10 cts. each; 50 cts. per doz.; \$2.50 per 100.

Single Rose Colored. Light rose; very pretty. 10 cts. each; 75 cts. per doz.

Double White. 15 cts. each; \$1.00 per doz.; \$3.00 per 100.

IRIS KÆMPFERI.

LILIIUM SUPERBUM.

SCOTCH PINK, SNOW.

LILIES.

Some of the varieties of this favorite flower are truly magnificent. They are all hardy, and the bulbs can be planted either in the spring or autumn; *Candidum* and *Longiflorum Japonicum* should be planted in the autumn, as they commence then to grow; a covering of manure will be found beneficial for all the varieties, but must be removed very early in spring to prevent too rapid growth. The ground should be thoroughly drained. For pot-culture we recommend the *Candidums*, *Lancifoliums*, *Longiflorums* and *Auratum*.

AURATUM (*Golden Japan Lily*). This superb Lily has flowers 10 to 12 inches in diameter, composed of 6 white petals, thickly studded with rich chocolate-crimson spots, and a bright golden band through the centre of each petal; exquisite vanilla-like perfume. As the bulbs acquire age and strength, the flowers obtain their maximum size and number. Upwards of 12 flowers have been produced on a single stem. It is perfectly hardy in dry soils, and is excellent for pot-culture.

Strong flowering bulbs 50 cts each, \$5.00 per doz.

Medium size flowering bulbs 30 cts. each, \$3.00 per doz.
Each. Doz.

Bulbiferum aurantiacum. Orange red, cup-shaped flowers.....	.20	\$2.00
Canadense. Pendulous flowers, yellow, spotted with brown.....	.15	1.50
Candidum. Snow-white, fragrant.....	.15	1.50
Excelsum (<i>Testaceum Isabellinum</i>). Delicate light buff color.....	.60	6.00
Lancifolium album. Splendid large pure white flowers.....	.40	4.00
Lancifolium album præcox. Pure white, large and fine; a lovely Lily....	.50	5.00
Lancifolium rubrum. White and crimson	.20	2.00
Lancifolium punctatum. White, spotted with delicate salmon.....	.50	5.00
Lancifolium monstrosum album. Large cluster of pure white flowers....	.50	5.00
Lancifolium monstrosum rubrum. White, crimson spotted.....	.40	4.00
Longiflorum (<i>Easter Lily</i>). Large and beautiful, snow-white, trumpet-shaped blossoms; also desirable for forcing as a bouquet flower	.25	2.50
Pulchellum. Brilliant scarlet, similar in habit and form to <i>Tenuffolium</i>	.30	3.00
Superbum. A beautiful and rich yellowish-red spotted drooping Lily.....	.20	2.00
Tenuifolium (<i>Coral Lily of Siberia</i>). Intense crimson-scarlet.....	.30	3.00
Tigrinum (<i>Tiger Lily</i>). Orange-salmon, spotted with black.....	.15	1.50
Tigrinum flore pleno. Orange-red, spotted with black, double showy flowers	.25	2.50
Umbellatum grandiflorum. Orange, with brown spots, showy, free-flowering.	.25	2.50

SCOTCH PINKS.

Dwarf hardy pinks, bearing double flowers of rich colors and possessed of the true clove scent. Though the plants are hardy, they winter better if protected.

Alfred Harrington. Pure white, laced deep maroon.

Brunette. Deep maroon, laced white.

Defiance. Velvety maroon centre on white ground.

Etna. Centre laced deep crimson-maroon.

Gertrude. Rosy crimson, dark centre.

Juliette. White, laced crimson.

Laura Wilmer. White, purplish-maroon centre.

Lord Lyons. Rose pink, dark centre.

Mrs. Stevens. Centre maroon, laced crimson and white.

Prince Arthur. Crimson centre, blush lacing.

Pumila. Blush, crimson centre.

Snow (*Mrs. Sinkins*). Specially suited for Easter, as it forms a perfect mass of snow-white flowers. It is entirely distinct from and superior to the old white Scotch Pink, being nearly double the size and of the most exquisite clove fragrance.

15 cts. each; \$1.50 per dozen.

HERBACEOUS PÆONIES.

The Herbaceous Pæonies are exceedingly hardy, and will succeed in any ordinary garden soil, well enriched with good manure. During the summer months mulching will be beneficial to the roots, especially on dry soils.

Ambrose Verschaffelt. Purplish crimson.

Alba Plena. Double white.

Baron Rothschild. Pale rose.

Comte de Paris. Rose, buff centre.

Eduis. Violet rose, very fragrant.

Humei. Pink; fragrant.

Isabella Kalitzky. Deep rose, shaded salmon.

Jean D'Arc. Blush, shaded rose.

Louis Van Houtte. Dark crimson.

Rubra Triumphans. Dark purplish-crimson.

Striata Speciosa. Pale rose, bluish centre.

Tenuifolia, fl. pl. Dark crimson; very double and showy, with peculiarly cut leaves. 50 cts. each.

Triumph du Nord. Rosy violet.

Victoria Tricolor. Rose, pink centre.

Strong plants 30 cts. each; \$3.00 per dozen, except where noted.

TREE PÆONIES.

This plant, instead of dying down to the ground every winter, like the herbaceous variety, grows into a hard-wooded shrub. The flowers are the same in form as the common variety, but of a light pink or bluish color. As the plants attain age they make very showy bushes and are very desirable for planting among shrubbery.

Strong plants, 75 cts. each; \$7.50 per dozen.

PHLOX.

The Phloxes are among the most desirable of the hardy perennials; their large and very brilliant trusses of beautiful flowers comprise all shades of color, from white to crimson, striped and mottled. Divide and replant in freshly prepared soil each alternate year. They delight in sunny situations and a rich soil.

Ball of Fire. Vermilion scarlet, violet centre.

Coccinea. Intense crimson scarlet.

Countess Vizier. White-marbled carmine, large crimson centre.

Cross of Honor. Beautiful light rose color, striped pure white, an excellent flower. 25 cts.

Elaine. Vermilion, tinted purple, scarlet centre.

Hercules. Immense panicles, rosy amaranth.

Joseph Bau. Rich purplish-violet.

Lady Napier. Pure white, immense truss.

Le Sultan. Purplish crimson.

Lothair. Brilliant salmon rose.

Mad. Deveret. Bright rose, crimson eye.

Mdlle. Ladonette. Rosy blush, deep rose eye.

Maid of Kent. Light lilac, broad white stripe.

Miss Robertson. Pure white; dwarf.

Mons. Van Houtte. Brilliant crimson, darker centre.

Princess de Furstenberg. White; carmine eye.

Sir E. Landseer. Very brilliant dark crimson; large.

Saison Lierval. White, centre violet-rose.

Stanstead Rival. Rose pink, dark crimson eye.

Triumph de Twickle. Rosy magenta.

Washington. White, rosy purple centre.

White Lady. Large pure white, extra.

15 cts. each, except where noted; \$1.50 per dozen.

PHLOX CROSS OF HONOR

TRITOMA UVARIA GRANDIFLORA.

Tritoma Uvaria Grandiflora (*Flame Flower*). A splendid summer and autumn flowering plant, with stately flower scapes and magnificent terminal dense spikes of rich orange-red tubular flowers; familiarly known from its glowing colors as the "Red-hot-Poker;" effective among shrubbery.

25 cts. each; \$2.50 per dozen.

Platycodon Grandiflorum
(*Wahlenbergia*).

One of the very best perennial plants; in constant flower from early spring to late fall. It forms dense clumps, which are covered with a mass of bell-shaped flowers.

Alba. Pure white.

Cœrulea. Deep blue.

25 cts. each; \$2.50 per dozen.

HARDY VINES.

AMPELOPSIS QUINQUEFOLIA.

(*Virginia Creeper*.)

A very rapid grower, with large dark green foliage, which changes in the fall to scarlet. A very desirable vine for covering arbors, verandahs, etc.

25 cts. each; \$2.50 per doz.

ARISTOLOCHIA SIPHO.

A vigorous and rapid growing climber, bearing singular brownish colored flowers, resembling in shape a Dutchman's pipe. Its flowers, however, are of little value beside its fine light green leaves, which are of very large size, and retain their color from early spring to late fall. The plant grows very quickly, and soon makes a dense shade. For arbors or trellises, or for making a screen, it is invaluable. It readily attains a height of 20 feet and is perfectly hardy.

50 cts. each; \$5.00 per doz. Extra strong plants \$1.00 each.

ARISTOLOCHIA SIPHO.

HARDY VINES.

AMPELOPSIS VEITCHI. JAPANESE IVY. BOSTON IVY.

AMPELOPSIS VEITCHI.

An entirely hardy Ampelopsis of Japanese origin. It grows as rapidly as the old Virginia Creeper, and attains a height of 50 feet. It clings firmly to any wall, tree, etc. The leaves are small on young plants, which at first are of an olive-green brown color, changing to bright scarlet in the autumn. As the plant acquires age the leaves increase in size. This variety becomes more popular every season, and is without question one of the very best climbing plants for covering brick or stone walls that can be grown.

25 cts. each; \$2.50 per doz. Extra large 50 cts. each; \$5.00 per doz.

AKEBIA QUINATA.

One of the best climbers, bearing numberless bunches of violet-brown flowers, which have a pleasant cinnamon odor. It begins to bloom early in spring, and continues several weeks. In good soil and location it will grow 30 to 40 feet high. 25 to 50 cts. each; \$2.50 to \$5.00 per doz.

BIGNONIA.

(Trumpet Creeper.)

For covering unsightly places, stumps, rock-work, or planting in crevices in ledges, the Bignonias will be found very useful. The flowers are large, attractive, and showy, and borne profusely when the plant attains a fair size.

Grandiflora. Large-flowered Trumpet Creeper, bearing blooms of an orange-red color. 50 cts. each.

Radicans. Dark red, orange throat; free-flowering and very hardy. 25 cts. each; \$2.50 per dozen.

IVIES (Hedera).

Out of a long list of sorts we have selected the following as combining all the best qualities for general use.

Hedera digitata. Finger-Leaved Ivy.

“ **helix.** The hardy English Ivy, generally used for growing on walls.

“ **marmorata elegans.** Small silvery marbled leaves.

“ **rœgnieriana.** Giant leaved; strong grower. 25 cts. each; \$2.50 per doz.; \$18.00 per 100.

JASMINES.

Jasminum nudiflorum (*Yellow Flowering Jasmine*).

Producing fragrant yellow flowers; hardy with protection in this latitude. 25 cts. each.

Jasminum officinale (*White Flowering Jasmine*).

Pure white, fragrant; hardy with protection in this latitude. 25 cts. each.

PASSION FLOWERS.

Very handsome, rapid-growing plants, which bear profusely their fragrant flowers from midsummer till cut by frost. They should be mulched during winter to protect the roots from alternate freezing and thawing.

Passiflora Constance Elliot. The flowers are pure white, excepting a very slight coloring at the base of the corolla. To the list of cut flowers and climbing vines it is a decided acquisition.

Passiflora cœrulea. Bright blue; very fragrant and free-flowering.

“ **incarnata.** A lovely shade of blue, white centre; one of the very best.

25 cts. each; \$2.50 per dozen.

CLEMATIS.

Within the past few years great attention has been given to the cultivation of these valuable plants, and a large number of elegant varieties have been obtained, bearing magnificent showy flowers of large size and superb coloring. For garden and conservatory decoration, either as climbers on walls, trellises or verandahs, old trees or ruins, or as specimens on the lawn or in borders, or for massing in large beds on the lawn, they have scarcely an equal, certainly no superior, as they embrace nearly every shade of color. The following is a most desirable collection in every respect:

Alba Magna. Pure white, with purplish-brown anthers; one of the finest white varieties in cultivation.

Anderson Henrye. Creamy white, large and handsome.

Countess Lovelace. Bluish lilac, rosette-shaped, forming a double flower, occasionally showing single flowers.

Duchess of Edinburgh. Very fine, pure double white, sweet-scented.

Fairy Queen. Large flowers, pale flesh, with a pink bar in centre of sepals, shaded purple at base.

Gloire de St. Julien. White, flushed with mauve while young; large and showy.

Gipsy Queen. Rich dark velvety purple.

Imperatrice Eugenie. Large flowers, of a pure white color; free-blooming.

Jackmanni. Large, rich violet-purple; a free bloomer and strong grower.

Jackmanni Superba. Very dark violet-purple; a large and attractive flower.

John Gould Veitch. Lavender blue; flowers double.

Lady Bovill. Light blue; finely cupped.

Lady Londesborough. Silvery gray, with pale bar.

Lanuginosa Candida. White, tinted; a fine flower.

Lawsoniana. Rosy purple, with darker veins; distinct and very large.

Mad. Eliza Schenck. Blue; very free-flowering.

Mad. Van Houtte. Pure white, extra fine.

Miss Bateman. White, with chocolate-red anthers.

Mrs. James Bateman. Pale lavender; large and free.

Mrs. Geo. Jackman. Satiny white, cream-colored bar.

Otto Froebel. Grayish white; large.

Princess of Wales. Bluish mauve, satiny surface.

Star of India. Reddish violet-purple, with red bars.

Sensation. Rich satiny mauve, large and showy.

50 cts. each; \$5.00 per dozen.

CLEMATIS FLAMULA.

(Virgin's Bower.)

A general favorite, where a hardy, rapid-growing, graceful vine is desired. Its small, bright green foliage is almost hidden by large clusters of small fragrant white flowers.

25 cts. each; 5 for \$1.00.

CLEMATIS CRISPA.

A beautiful and distinct species, the flowers of which resemble in shape some of the elegant bell-shaped Lilies, and are $1\frac{1}{2}$ to 2 inches in width and about $1\frac{1}{2}$ inches long.

The color is a beautiful lavender-blue tint on the surface and margin of petals; the centres of the petals are an opaque white, and are perfumed with a delicious bergamot flavor. It is hardy and very free-flowering, continuing in bloom from June until frost.

25 cts. each; 5 for \$1.00.

CLEMATIS COCCINEA.

The flowers are bell-shaped, in color a rich deep coral-scarlet, shining as if polished, and lasting a long time when cut. The vines attain the height of from 8 to 10 or

12 feet, beginning to flower in June and continuing until frost; single vines have from 20 to 30 flowers on each, and frequently as many as 10 vines will start from one crown each season.

25 cts. each; 5 for \$1.00.

CLEMATIS JACKMANNI.

HONEYSUCKLES (*Lonicera*).

Plants that are too well known to need description. They should be in every garden, as they thrive with little care, and throughout the season scent the air with their fragrance. The three varieties listed are by far the best for all purposes, and will be certain to give satisfactory results. The other sorts have a tendency to decay at a time when they begin to be of value. On this account we have discarded them, but will procure them if customers desire.

Chinese Evergreen (*Woodbine*). Red, yellow and white variegated flowers; very fragrant.

Halliana. A white monthly Honeysuckle, from China; flowers pure white, turning to yellow, fragrant; hardy evergreen; flowers freely.

Heckrothi. Deep red flowers with yellow throat; in bloom the entire season.

Variegated (*Aurea Reticulata*). Foliage beautifully mottled yellow and green; succeeds in any situation; a fine edging to flower-beds.

25 to 50 cts. each; \$2.50 to \$5.00 per dozen.

CHINESE WISTARIA.

One of the best of all hardy climbers. When given a sunny situation and a liberal manuring it grows rapidly, and presents when in bloom a magnificent appearance. The flowers are borne in long, drooping clusters, in the greatest profusion during early spring, and are all the more acceptable for coming so quickly after frost has departed. They climb to a height of fifty feet, and will cover a large area.

Wistaria Multijuga, fl. pl. A handsome double-flowering variety from Japan, having elegant foliage and lovely lilac and blue flowers. \$1.50 each.

Wistaria Sinensis (*Chinese Glycene*). The favorite variety, producing thousands of pendulous clusters of delicate violet-blue blossoms, richly perfumed. 30 to 50 cts. each.

Wistaria Sinensis alba. Of similar habit to Sinensis, with pure white flowers; a lovely climber. 50 cts. each.

General Collection of Bedding Plants.

ABUTILON, GOLDEN FLEECE.

A bright golden yellow Abutilon of strong, vigorous habit and very free-flowering. While yellow sorts heretofore offered lacked richness of color, the variety now offered combines large size, fine form, and depth of coloring. Plants are symmetrical in growth and form perfect pyramids which are covered with bloom during the season.

25 cts. each; \$2.50 per dozen.

ABUTILONS.

This class of plants during the past few years has been wonderfully improved. The collection we offer embraces the finest of recent introduction, together with the cream of the old and well-tried sorts.

- Aureum Maculatum.** Green and yellow mottled foliage, flowers yellow, veined with crimson.
- Boule de Neige.** Fine, pure white; free-blooming.
- Brilliant.** Bright red, free dwarf habit.
- Couronne D'or.** Beautiful, deep sulphur yellow.
- Emperor.** Claret crimson, large and fine.
- Firefly.** Rich salmon scarlet; fine.
- King of Roses.** Large rosy crimson.
- Royal Scarlet.** Brilliant scarlet, very dwarf and free.
- Scarlet Gem.** Brilliant red, dwarf habit, small foliage.
- Thompsoni Plena.** A new variety, with perfectly double flowers, that resemble in form a double Hollyhock; color rich deep orange, streaked with crimson.
- Vexillarium Aureum Pictum.** Flowers scarlet, petals golden yellow; free bloomer, drooping habit, foliage marbled golden yellow and green; fine for vases.

15 cts. each; set of 13 varieties for \$1.50.

AGAPANTHUS.

Summer-blooming plants; excellent for growing in tubs or planting in rockeries among aquatics.

- Umbellatus** (*Blue Lily of the Nile*). Blooms in large umbels; flowers a lovely shade of light blue. 50 cts.
- Umbellatus Albus.** Flowers pure white. \$1.00 each.
- “ variegatus.** Blue flowers; foliage prettily marked white. \$1.00 each.

ACHYRANTHUS.

Indispensable for bedding purposes, either in masses or ribboning, their brilliant tinted leaves forming a marked contrast with all other plants.

Acuminata. Large purple foliage.

Emersoni. Deep red, shading to pink. One of the very best sorts for contrasting with *Coleus* or *Centaurea*.

Formosum. Rich bright yellow, with light green edge and crimson midrib; the stems are of a peculiar shade of crimson.

Gilsoni. Deep purple heart-shaped leaves.

Lindenii. Dark purple elliptic foliage.

10 cts. each; \$1.00 per doz.

AGERATUM.

Old garden favorites of easy culture, blooming continuously throughout the summer months.

Blanche. Pure white, very desirable.

Cope's Pet. A decided improvement on the well-known and popular *John Douglass*. It is of a brighter and more cheerful blue, and rather more even in growth, never exceeding 6 inches in height.

John Douglass. Large azure-blue flowers, dwarf compact habit.

15 cts. each; \$1.50 per doz.; \$8.00 per 100.

ALTERNANTHERAS.

Beautiful dwarf plants of compact habit, growing about 6 inches high, and admirably adapted for edgings to flower beds or ribbon lines, their beautifully variegated foliage of crimson, purple, yellow, pink, and green forming rich masses of color, always attractive and highly ornamental.

Aurea Nana. Bright golden yellow, holding its color well the entire season.

Amabilis Tricolor. Orange, crimson and dark green.

Amœna Spectabilis. Crimson, pink and brown; the finest and brightest.

Paronychoides Aurea. Bright yellow foliage.

Versicolor. Foliage ovate, olive, crimson and chocolate; when used for edgings they must be frequently sheared; the young tips will then assume the most brilliant hues.

10 cts. each; \$1.00 per doz.; \$6.00 per 100.

ANTHEMIS CORONARIA FL. PL.

ANTHEMIS CORONARIA FL. PL.

One of the most useful plants for bedding or pot culture lately introduced. It bears its golden yellow double flowers profusely during the season, and can be recommended as a first-class edging plant.

25 cts. each; \$2.50 per dozen.

TUBEROUS ROOTED BEGONIAS.

The Tuberous-Rooted Begonias are among the handsomest of our summer-flowering bulbs. They are not grown to the extent they should be, as they require no more care than Geraniums, have as fine a range of color, and will bloom continuously throughout the summer, even when Geraniums droop through lack of moisture and fail to unfold their flowers. Planted either in the rockery or flower border, they rival the Geraniums with their rich and varied colors, ranging from the most delicate shade of yellow and salmon to the most striking crimson and scarlet. We have made a specialty of these charming plants for several years, have tried them thoroughly, and have no hesitation in saying they are destined to play a very important part in the bedding of the near future. With us they have bloomed profusely when planted out on rock-work or in the open ground, and have been a decided attraction.

Bright Scarlet, Orange Scarlet, Crimson Scarlet, Pink, White, Yellow, 30 cts. each; \$3.00 per dozen.
Mixed Single, 25 cts. each; \$2.50 per dozen. Mixed Double, 50 cts. each; \$5.00 per dozen.

NEW BEGONIAS OF 1887.

Alba Picta. A pretty species from Brazil, distinct in character. It is shrubby in habit and of compact growth. The leaves are glossy green, freely spotted with bright silvery white. Will make a really useful and pretty plant for decorative purposes. 25 cts. each.

Diadema. A new upright-growing species with deeply cut foliage of a rich green, spotted with silvery white; a most distinct and pretty variety.

Glorie de Sceaux. One of the finest flowering Begonias introduced for many years; it is of upright habit, producing during the entire winter large, open, flat flowers of a soft silky pink, contrasting well with the rich bronzy green foliage.

Olbia. Ovate deeply lobed leaves, with sunken veins. The raised portions are marked with silvery blotches.

Rubella. A very ornamental Indian species belonging to the Reinifolia section. Leaves blotched red, with purplish blue ribs on upper surface, under side red.

50 cts. each, except where noted; set of 5, \$1.75.

BEGONIAS.

Very useful and effective plants for vases and baskets, or for bedding out in half-shady places on the lawn. They flower profusely during summer and winter, and are among the best plants for house decoration.

Alba Perfecta Grandiflora. Similar to Rubra in habit and foliage, but of a pure white color.

Foliosa. White flowers; fine, neatly-cut foliage.

Rubra. Dark green leaves, flowers scarlet rose, glossy and wax-like.

Saundersoni. Scarlet flowers, dwarf habit; in bloom continually.

Semperflorens Rosea. Light rose pink, flowers of large size, a continuous bloomer.

Weltoniensis Alba. Pure white.

20 cts. each; set of 6, \$1.00.

GLORIE DE SCEAUX.

BOUVARDIAS.

Shrubby plants with corymbs of white, rose, crimson and scarlet flowers, blooming during the autumn and winter. Their dazzling richness of color and formation of flower make them one of the most useful of our winter-blooming plants.

Alfred Neuner. The flowers are composed of three perfect rows of petals of the purest waxy-white color, each floret resembling a miniature tuberose.

Davidsoni. The best of the single white varieties; sometimes delicately tinged with pink.

Humboldtii Corymbiflora. Long, tube-shaped, pure white flowers; very fragrant.

President Cleveland. A grand single-flowered variety of the same habit as *Elegans*, with intense dazzling scarlet flowers; the brightest *Bouvardia* that has yet come to our notice. 30 cts. each; \$3.00 per dozen.

Sang Lorraine. A new double variety with flowers of the same shape as the double white, but of a bright scarlet color; it is free-flowering, of strong vigorous habit, and a decided improvement on all double scarlet varieties. 30 cts. each; \$3.00 per dozen.

Rosea Multiflora. Beautiful shade of salmon rose, very free-blooming.

20 cts. each, \$2.00 per dozen, except where noted; set of 6, \$1.00.

BOUVARDIA SANG LORRAINE.

CALADIUM ESCULENTUM.

CALADIUM. (Elephant's Ear.)

One of the most effective plants in cultivation for the flower border or for planting out upon the lawn; it will grow in any good garden soil, and is of the easiest culture. To obtain the best results it should be planted where it will obtain plenty of water, and an abundance of rich compost.

Esculentum. The best sort for garden decoration; foliage light green. When full size it stands 6 feet high, and bears immense leaves 3 to 4 feet long by 2½ feet wide.

Bataviensis. Similar to *Esculentum* in form, but bearing dark green leaves with black stems.

First size, 25 cts. each; \$2.50 per dozen. Second size, 50 cts. each; \$5.00 per dozen.

Extra selected, \$1.00 each; \$10.00 per dozen.

CANNAS.

Excellent plants for garden decoration. Where sub-tropical effects are desired they are indispensable. The varieties offered are the cream of existing sorts, and bear flowers of similar size and form as *Gladiolus*.

Adolph Weick. Rich pea-green foliage, very dwarf and compact habit, flowers large, of a rich crimson scarlet, shaded with orange. A free-blooming and attractive sort which should be in every collection. 30 cts.

Ehemanni. The most distinct of all Cannas on account of its large oval soft green leaves and carmine-red flowers, which are produced on long flower stems; each of the smaller branches bears about 12 flowers. The flowers are as large as a *Gladiolus*, and are used to advantage in bouquet-making. This is one of the most striking and desirable Cannas ever introduced, and cannot be too highly recommended. 40 cts. each.

Nouttoni. Is quite distinct from *Ehemanni* in coloring, being a rich shade of crimson scarlet. The flowers are very large, growing erect instead of drooping. The foliage is of a beautiful bluish green, growing very compact and remarkably free-flowering, forming nearly solid masses of rich, warm coloring. The plant does not exceed 6 feet in height. 40 cts. each.

Rosafiora. Foliage bluish green, flowers rich carmine rose; a profuse bloomer. 40 cts. each.

Robusta Perfecta. A most distinct and handsome sort, bearing immense leaves 12 to 18 inches wide and 3 feet long, of a bright bronze-red color. The habit of the plant is very robust; in rich soil it will attain a height of 8 feet and at a short distance appear like the Abyssinian Banana. Unlike the other varieties, it flowers but little. This should be largely used, as with it fine effects can be made. 30 cts. each.

Set of 5, \$1.50.

CANNAS—Select Old Sorts.

Brenningsi. Broad green foliage, ornamented with broad bands of yellow; constant variegation.

Mons. Allegatiere. Large green and bronzy-purple foliage; very large orange-red flowers.

Premices de Nice. Long green leaves; golden yellow flowers.

President Faivre. Foliage splendid bronzy maroon, flowers large brilliant crimson.

Souv. de Barrillet Deschamps. Green, shaded maroon; large crimson flowers.

Victor Lemoine. Dark bronzy green leaves; very large orange flowers; 5 feet.

Zebrina. Beautiful large, bronzy-shaded foliage.

25 cts. each; set of 7 varieties for \$1.50.

CANNA EHEMANNI

WM. SWAYNE.

NEW CARNATIONS.

Wm. Swayne. Strong, vigorous grower, bearing early and continuously large, full, fragrant flowers of a pure white. Being very firm and of heavy texture, it will prove valuable for shipping long distances.

25 cts. each; 5 for \$1.00.

Firefly. Similar in habit and appearance to *Crimson King*, but a decided improvement in color. The flowers are borne on long stems and are a rich shade of crimson.

Germania. Of robust and branching habit. The flowers measure 2 to 3 inches in diameter, are very double and perfectly circular, with smooth petals. In color it is a deep, rich canary, and shows no trace of any other shade.

L. Lamborn. A dwarf, compact grower, bearing on long stems fine, waxy, white flowers; a profuse bloomer and can be grown on low benches.

Mabel. Pure white, finely fringed; of dwarf habit and a profuse bloomer.

Maud Granger. One of the very freest varieties, bearing large, fragrant, pure white flowers, occasionally pencilled rosy crimson in the centre.

Mrs. Holmes. An improvement on *Sunrise*, and a variety that will be in demand as a pot-plant. Color deep buff, flaked bright scarlet; flowers of good size and very fragrant.

25 cts. each; set of 8 for \$1.50.

CARNATIONS.

The following have been selected from a long list of sorts as being distinct in color, of free habit of growth and very floriferous.

Allegatiere. Large, bright scarlet; a fine flower.

Buttercup. Rich golden yellow, with a few streaks of clear carmine; of vigorous habit and very floriferous. The florets are full and very double, from 2½ to 3 inches in diameter.

Century. Of healthy growth, medium height, and early constant bloom; of a rich, glowing carmine color, full and double; rich clove fragrance.

Crimson King. Deep crimson scarlet; large.

Columbia. One of the very best of the fancy varieties, of a bright buff color, flaked with carmine and rose.

Dawn. Neither what is called a straight or solid color, or variegated, but a blending from the centre of the flower outwards, of a soft, delicate pink or rose color to pure white at the edge, delightful fragrance.

Duke of Orange. Fine orange yellow, striped with carmine.

E. G. Hill. The finest scarlet yet introduced, of vigorous, healthy growth, and very free.

Grace Wilder. Bright rosy pink, very fragrant.

Hinze's White. Pure white, very free.

Mrs. Carnegie. White, delicately pencilled and laced with rosy carmine, finely fringed; a good strong grower.

Meteor. The best rich scarlet.

Orient. Bright crimson scarlet, shade of Jacqueminot rose, flowers large and good.

Paxton. White edged with scarlet; a fine and delicate flower.

Peter Henderson. Very large, pure white, free-blooming, of strong dwarf habit.

Pres. De Graw. Pure white, very floriferous.

Portia. Intense bright scarlet.

Scarlet Gem. Rich, dazzling scarlet, of dwarf, vigorous habit, and remarkably free-flowering.

Sunrise. Light buff, flaked with bright red; flowers large, good shape; fragrant and free; does not burst, and can be cut with long stems.

Snowdon. Pure white, very dwarf and free.

15 cts. each; \$1.50 per doz.

COLEUS.

Whether grown as individual plants or for massing in ribbon gardening, they are in every way very desirable. The list embraces the best old sorts and novelties, and has been carefully selected from a large collection.

Bizarre. Purplish crimson centre, edged yellow.

Exquisite. Violet carmine, green margin.

Firebrand. A fine bedder, dark crimson, shaded garnet.

Golden Bedder. Fine yellow foliage; good bedder.

Kirkpatrick. Large white centre, broad green margin.

Maroon Velvet. Rich velvety maroon.

Mrs. Bement. Large cream-colored leaves, with narrow edge of green.

Queen Victoria. Crimson, the brightest golden edge.

Rainbow. Bright blood-red crimson, yellow margin.

Red Cloud. Crimson and blackish brown.

Shylock. Large dark maroon leaves, with rich crimson midrib and veins; very distinct.

Verschaffelti. Rich velvet crimson; a well-known variety.

10 cts. each; \$1.00 per doz.; \$6.00 per 100.

DAWN.

MRS. CARNEGIE.

CHRYSANTHEMUMS.

*"When nuts are dropping from the trees and corn is gathered in,
When purple grapes are on the vine and apples in the bin,
When far across the level fields is borne the crow's harsh call,
Then in the garden lifts its head the bravest flower of all.
Oh! bright and strong and undismayed, the bravest flower of all,
For on the winter's icy edge it sets its banner bold,
With fragrance keen as myrrh and spice, with colors clean
and cold.*

*Its petals may be tipped with pink, or touched with palest hue;
Of yellow gold, or snowy white—their beauty smiles at you;
And little reck's it, though the frost may chill the nipping air,
It came to see the curtain drop, this flower so debonair.*

Margaret E. Sangster.

The Chrysanthemum, next to the Rose, is at present the most fashionable flower. Its remarkable diversity of size, form and coloring, added to its freedom of bloom, at a season when all other flowers have faded, render it a plant eminently worthy of care and attention. Within the past few years marked attention has been paid to the Chrysanthemum, and flowers of enormous size, with beautiful color and form in the Chinese, and diversity of shape and hue in the Japanese section, are the result of the care bestowed. It is invaluable as a border or pot plant; its chief requirements are plenty of water and a rich soil. Sunny, warm situations suit it best and prolong its season of bloom until severe frosts set in. The increase of beauty and size has brought also an increase of tenderness, so that in order to attain the best results the clumps should be lifted in the fall after the frost has cut the flowers and stored in a cold, dry cellar. They can be set close together and covered with an inch or two of sand or soil. Water occasionally to prevent drying up. Early in spring plant in open border, or divide and pot if to be grown for house decoration or exhibition.

Our lists contain the best of the old sorts, the introductions of last season and the novelties of 1888. As not a poor sort appears in the lists, our customers can rely on any sort they may select as being desirable in every way.

NEW JAPANESE VARIETIES.

Dr. Stryker. Beautiful rosy lilac, reverse of petals striped straw color when first opening, changing to a clear rose.

Elk's Horn. Pearl color; a full and globular flower; somewhat resembles the horns of the elk.

Eugene Mizzard. A distinct and pleasing variety, with narrow, loosely arranged petals of a deep purplish crimson.

Gold. Flowers of large size and finely formed; the best yellow in cultivation.

L. Canning. A singularly large and handsome pure white flower.

Mrs. Isaac C. Rice. Rich chrome yellow, gracefully incurved, flowers large and freely borne.

Mrs. A. J. Drexel. Lively, bright pink flowers, deeply incurved; a striking flower.

Mrs. John May. Beautiful shade of clear, bright yellow, petals broad and deeply incurved.

Mrs. A. Blanc. A fine and distinct sort, inner petals erect, outer reflex and pendulous; rich lavender. 50 cts.

Mrs. E. W. Clarke. A beautiful flower of regular form; slightly incurved, whorled centre; deep rich crimson magenta, of a pleasing shade. 50 cts.

Mrs. M. J. Thomas. Pure white, very broad petals, incurved; a fine exhibition sort.

Mrs. Wm. Howell. Rich, coppery crimson; a finely shaped flower.

Sunnyside. One of the very best white varieties; regular in form and slightly incurved. 50 cts.

W. W. Coles. A peculiar shade of terra-cotta, shaded brownish orange; large and distinct.

30 cts each, except where noted; set of 14, \$4.00.

JAPANESE CHRYSANTHEMUMS.

Ab-del Kader. Rich deep crimson maroon.

Angele. Pale satiny rose, suffused with pink, reverse of petals silvery.

Bouquet Fait. A most beautiful variety, with delicate rosy lilac flowers of immense size, shaded silvery rose; early.

Christmas Eve. One of the finest late flowering whites in cultivation, pure snowy white, superior in shape and first-class in every way.

Duchess. Rich deep red, each petal tipped with golden yellow; the flowers are large and in dense clusters.

Domination. A grand variety, with erect petals; blush with rosy base, slightly fringed.

Fantasie. Flowers blush white, of good size; each petal is 2 to 3 inches long, has a convex surface and is slightly twisted.

Gloriosum. Very fine light yellow, with immense flowers, having narrow petals gracefully curved and twisted; very early.

Golden Dragon. Yellow, with long twisted petals; one of the finest and richest yellows.

H. Waterer. Reflected yellow, with copper centre; enormous flowers of great substance; very late and lasts a long time. 25 cts.

Jessica. White, very long petals, shows a lemon eye when fully expanded; a great bloomer.

Julius Scharif. Very large, flat and smooth, of the richest violet amaranth; lasts a long time; one of the very finest of its color.

John H. Bradbury. Very fine.

Lord Byron. Peculiar bronzy amber; a distinct and handsome variety.

JAPANESE CHRYSANTHEMUMS—*Continued.*

Lakme. Petals much twisted; golden salmon; reverse of petals old gold.

Mrs. Frank Thomson. The flowers measure 6 inches when fully expanded, and are a bluish white streaked with rose; petals broad and deeply incurved.

Mrs. Geo. W. Childs. Similar in shape to the preceding; outside of petals white, inside pink.

Mrs. Cleveland. Very fine pure white, petals tubular, very regularly arranged, forming almost a perfectly globular flower. 25 cts.

Mrs. W. A. Harris. A most distinct variety, flowers

very large, and of a delicate shade of creamy white and pink; petals loosely arranged and wavy.

Mrs. W. Mencke. Brightest shade of yellow; petals slender, and of peculiar shape.

Mrs. Jones. A magnificent late golden yellow flowering variety; of large size, graceful form, and remarkably free-blooming.

Mrs. R. P. Masson. Quite distinct from all others, of a coppery pink color, much incurved and large.

Mrs. John Thorpe. Brilliant crimson; very decided in coloring, petals tubular for half their length. 25 cts.

Mrs. Charles Wheeler. Old gold and crimson; one of the most distinct ever introduced. 25 cts.

Mrs. Geo. Bullock. One of the most magnificent large white varieties.

M. Leon Brunel. Bronze and crimson; fine.

M. Lemoine. Flowers large; of a rich rose color with orange-yellow centre.

Moonlight. Very large, pure white, incurved.

M. Raoux. Amaranth, dotted with white; petals much twisted. 25 cts.

Piedro Diaz. Brilliant red, large flowers; first-class.

President Arthur. Immense rose flowers, opening in whorls.

Porcupine. A remarkable flower, having tubular needle-like petals, standing erect, of a rich terra-cotta or crushed strawberry shade; not large, but very beautiful. 25 cts.

Puritan. One of the very finest white sorts in cultivation, large and free, and of a very good habit; a magnificent flower. 25 cts.

Robert Bottomly. A grand white variety, surpassing Moonlight in size and substance.

Robert Crawford, Jr. A seedling of Mrs. F. Thomson, white, faintly tinted pink on under petals; a large and pleasing variety. 25 cts.

Robert Craig. A grand flower, similar in shape to Mrs. G. W. Childs, but of a fine deep rose color and larger in size. 25 cts.

Snow Storm. Very large; pure white, distinct and free.

Source D'Or. Golden yellow, tipped and shaded brown; very regular and one of the very best.

Souvenir de Harlem. Brilliant violet purple, globular in shape; of medium size and fine color.

Temple of Solomon. Fine large flowers of deep golden yellow.

PURITAN.

Tokio. Rich bronzy crimson.

Tubiflorum. A remarkable variety, having long straight tubular needle-like petals of pink and white. 25 cts.

15 cts. each; \$1.50 per dozen; \$10.00 per 100, except where noted, or the set of 53 varieties for \$8.00

CHINESE SECTION—LARGE FLOWERED.

Alfonso. Crimson, pointed with yellow.

Alfred Salter. Large delicate pink.

Alfred Warne. Pure white, finely incurved, dwarf and compact habit. 50 cts.

Baron Beust. Bronzy orange; incurved.

Cullingfordi. The brightest shade of crimson, a large and fine flower. 25 cts.

Diana. One of the very best whites in cultivation.

Duchess of Connaught. Silvery rose; extra fine.

Elaine. White, petals tinted carmine.

Jean D'Arc. White, tipped rosy lilac, finely incurved; a superb flower.

John Collins. Very large flower; bronzy purple.

New Meteor. Very bright golden yellow.

Mrs. R. Elliott. A fine pure yellow flower; petals long, narrow and slightly drooping. 30 cts.

Mrs. Shipman. Fawn shading to bronze.

Phœbus. Pure chrome yellow, reflexed petals of symmetrical form and large size. 30 cts.

Pink Perfection. Very large bright pink.

Princess of Wales. Very fine incurved crimson.

Queen of England. Blush, striped rose; incurved.

Yellow Stone. Fine yellow.

Yellow Prince. Very finest rich deep yellow.

15 cts. each; \$1.50 per dozen, except where noted; \$10.00 per 100; set of 27 sorts, \$3.00.

CHRYSANTHEMUMS—POMPONE SECTION.

Black Douglas. Large brilliant crimson; good shape.

Bob. Fine crimson.

Cardia. Fine yellow.

Compactum. Delicate blush.

Golden Pheasant. Rich golden yellow; fine form.

Julia Lagravere. Deep velvety crimson.

La Fiancee. Pure white, fringed; fine for cut flowers

Mad. de Paleville. Clear rose.

Orange Beauty. Beautiful orange yellow.

Princess Louise. Clear rose.

Princess Meletia. White fringed; fine.

St. Michael. Very bright golden yellow; fine.

15 cts. each; \$1.50 per dozen; set of 13, \$1.50.

"VICTORIA" SET.

The "Victoria" set of single Chrysanthemums we offer with all confidence, as it comprises only the purest and best colors, finest forms and novel shapes. For pot or garden culture, or for exhibition purposes, it is all that could be desired.

Ariadne. Brilliant red, large golden centre, broad reflexed petals.

Corinne. Creamy white, petals tubular almost their entire length, flattening out on the tips.

Hermione. A distinct variety with tubular petals and fringed edges, pure white streaked with silvery rose.

Lynette. Flowers six inches in diameter, petals tubular, fringed and flattened on the ends; of effective shape, and a beautiful silvery rose color.

May Fair. Brilliant red with golden disc; a bold and effective flower.

Phœbus. A lovely variety, bearing large flowers of an attractive shade of rose, regularly fringed.

Isis. Pure yellow striped crimson.

Progress. Very large incurved flowers, of a pure white color lightly streaked violet rose and pink, large yellow disc.

Rosalind. A distinct and pleasing variety, bearing large tubular flowers of a peculiar bronzy salmon shade, end of petals flattened and edged bright red. 50 cts.

Sappho. Beautiful rosy magenta flowers over 6 inches in diameter; a bright and showy sort.

Sylvia. Immense flowers with broad heavy petals of a pure white color, yellow disc; an extra fine sort.

Virginia. Long, narrow tubular petals, pure white, of large size and pretty form.

15 cts. each; set of 12, \$1.50.

SINGLE CHRYSANTHEMUMS.

The single varieties are very showy and excellent for cutting during the early fall and winter. They are more attractive than Paris Daisies, and last longer when cut. The varieties we offer include only the best that have been offered and several new sorts not heretofore sent out. The flowers are very distinct in shape and color, and need only to be seen to be appreciated.

Aspasia. Bronze, shaded crimson, reverse old gold.

Edith. Blush, large yellow centre, fine shape.

Endymion. Sulphur yellow, broad, flat petals.

Evangeline. A very large pure white flower with incurved petals, of globular shape when first opening, expanding flat when full blown.

Ione. Large flowers of an entirely new shade of violet carmine, broad petals, very regular in form and one of the most distinct.

Juliet. Silvery rose; large, distinct and pretty.

Nydia. Pure white, yellow disc, large, heavy petals; a desirable sort for cutting.

Psyche. Bright magenta, centre yellow, petals slightly fringed.

Zenobia. Crimson shaded orange and salmon.
15 cts. each; set of 9, \$1.00.

THORPE, JR.

ANEMONE FLOWERED
CHRYSANTHEMUMS.

Bessie Pitcher. Deep rose pink with lighter centre.

Geo. Sand. Red with golden centre; fine and free.

Souv. de Dorothe Souveille. Beautiful light blush.

Timbal d'Argent. Snowy white; one of the most beautiful of all Chrysanthemums.

Thorpe Junior. A most beautiful variety; the color is a rich pure golden yellow; the flowers are of large size, smooth and perfect in shape.

20 cts. each; set of 5, 75 cts.

COBEA SCANDENS.

A beautiful climber of rapid growth, bearing large purple bell-shaped flowers. For covering arbors, trellises, etc., it is indispensable, as its dark green foliage and pretty flowers make it very attractive.

15 to 25 cts. each; \$1.50 to \$2.50 per doz.

DAHLIAS.

Pompone, Liliputian or Bouquet.

The term "Liliputian" applies to the flowers, not the plants. They are possessed of a neat bushy habit, and produce in profusion small flowers of varied and attractive colors. They are very desirable for cutting and for decorative purposes.

Alba Nana. Pure white, of perfect form.

Butterfly. Orange, tipped with scarlet.

Colibri. Rich bright scarlet; handsome.

POMPONE DAHLIAS—Continued.

Deutscher Goldmeteor. Golden yellow, broad crimson margin.

Deutscher Turnergruss. Crimson scarlet, edged with white.

Deutsche Maedchentliebe. Lilac.

Dr. Webb. Rich scarlet; medium size.

Darkness. Very dark, rich maroon.

Eli Millard. White, shaded pink, edges fimbriated and of perfect form.

E. F. Jungker. Amber shaded lemon, of compact form.

Favorite. Deep velvety maroon, crimson edge.

Gem of the Liliputs. Dark scarlet.

Gold Pheasant. Yellow, tipped crimson.

Hindoo. Bright orange red.

Ida Fisher. Pure white, full centre.

Isabel. Beautiful well-formed flowers of a dazzling orange scarlet.

Jessie McMillan. Yellow, suffused bright orange.

J. C. A. Stanza. Orange yellow.

Kline Domitea. Buff yellow, marked with red.

Kleiner Preusse. White, edged with maroon.

Kleiner Rufus. Maroon.

Little Arthur. Amaranth, tipped scarlet.

Little Najade. Rose, edged crimson.

Lurline. Canary yellow.

Pearl D'or. Lake red, tipped with yellow; extra.

Panorama. Apricot yellow, pointed with carmine.

Pursuit. Very deep maroon; fine shape.

Solfaterre. Rich yellow.

Theo. Heymann. Very dark red.

Tijo Wylle. Cochineal red, close petals.

Unermuedliche. Lively rose, spotted purple.

Venus. Crimson, shaded with purple.

William Buchner. Lilac, tipped yellow.

Ground roots 25 cts. each; \$2.50 per dozen; set of 33, \$7.00.

Young plants 15 cts. each; \$1.50 per dozen; set of 33, \$4.00.

WHITE BOUQUET DAHLIA.

Guiding Star.

A grand variety, producing its pure white flowers, which are of exquisite shape, in the greatest profusion. The habit of the plant is all that could be desired, being dwarf and symmetrical. Invaluable as a cut flower, and cannot be too highly recommended. 30 cts.; 4 for \$1.00.

CACTUS DAHLIAS.

A very showy and effective section of this desirable garden flower. The blooms are of peculiar shape, resembling in some varieties the Cactus "*Cereus Speciosissimus*." Hence the name, "Cactus Dahlia." They grow from 3 to 4 feet high, are very branching, and bear profusely their very striking flowers, which are quite unlike those of an ordinary double Dahlia, the florets being flat and not cupped.

Cochineal. Brilliant crimson, toned maroon.

Constance, or Ariel. Pure white, of elegant shape and one of the freest blooming.

Empress of India (New). An intense deep crimson, shaded maroon and magenta; the flowers are of medium size and borne in profusion. 50 cts.

Fire King (Glare of the Garden). Fiery crimson scarlet, flowers of medium size and produced in profusion, giving the plant a rich and dazzling appearance.

Formosissima Picta. Orange color with bright scarlet stripes; a distinct and taking flower.

Guinea. Amber tinted rose; a very pretty flower.

Henry Patrick (New). Good form, flowers well developed, petals partially recurved and twisted; fine pure white. 50 cts.

Juarezii. A grand and distinct variety, valuable for all purposes through late summer and autumn. Large flowers of rich crimson scarlet color.

Lyndhurst. Rich deep scarlet shaded maroon, excellent for cutting and a fitting companion for Constance.

Mrs. Hawkins. Of close neat habit, rich sulphur yellow, shading lighter towards the tips and slightly tinted red; a lovely flower. 50 cts.

Mrs. Tait. A peculiar and pretty Dahlia, somewhat resembling Juarezii, and is a fine improvement on Constance or Ariel in its whiteness and serrated form and appearance and must become a general favorite for cut flowers. It does not require rich soil and preparation, but will grow almost anywhere. 50 cts.

25 cts. each, except where noted; set of 10, \$2.00.

DAHLIAS.

DOUBLE FANCY. LARGE FLOWERING.

For exhibition purposes the varieties entered in this list are admirably adapted. They should be liberally supplied with water and manure, and kept in a growing condition.

- Adeline.** White, tipped crimson.
- Amazement.** Yellow, striped with crimson.
- Amazon.** Primrose, full centre.
- Amorette.** Light rose, edged with lilac.
- Autumn Glow.** Orange salmon, buff edge.
- Beppo.** Primrose, tipped scarlet.
- Bob. Ridley.** Large, bright scarlet.
- Comte de Boises.** Fawn, shading to orange.
- Crimson King.** Rich glowing crimson.
- Dandy.** Maroon, striped lilac.
- Defiance.** Pale yellow, tipped white.
- Earl of Radnor.** Dark crimson.
- Fascination.** Deep rosy lilac.
- Fanny Purchase.** Fine, pure yellow.
- Flora.** Deep purple, shaded lilac.
- George Rawlings.** Very dark maroon, neatly cupped and symmetrical.
- Gladiator.** White, broad maroon margin.
- Gloire de Guiscard.** White, shaded buff, distinct.
- Hector.** Large orange scarlet.
- John Standish.** Rich crimson.
- John Kirby.** Buff.
- Leah.** Orange yellow.
- Mantes de la Ville.** Rosy lilac.
- Marie Bersand.** Orange scarlet.
- Mrs. Bond.** Crimson, shaded scarlet.
- Mrs. Dodds.** Fine, clear yellow.
- Mrs. Gladstone.** Very delicate shade of pink.
- Oblata.** Pure white.
- Ovid.** Bright purple, fine form.
- Penelope.** Blush, striped purple.
- Queen's Messenger.** Deep purple.
- Republican.** Brilliant purple.
- Rival.** Dark purple.
- Rover.** Deep scarlet, shaded maroon.
- S. Sickman.** White, edged maroon.
- Virgo Marie.** Pure white.
- Wacht am Rhein.** Maroon.

Roots 25 cts. each; \$2.50 per doz.; set of 36 for \$7.00.
Plants 15 cts. each; \$1.50 per doz.; set of 36 for \$4.00.

SINGLE DAHLIAS.

A class of Dahlias which is rapidly growing in favor on account of its freedom of bloom and various and attractive coloring. The varieties we offer have been carefully selected from a large collection. The fancy sorts frequently come self-colored early in the season, but show their true colors later on.

- Amos Perry.** Deep velvety maroon, running to a lighter shade. Very free-blooming; of good habit and a fine sort in every way.
- Beacon.** Rich fiery crimson; neat habit.
- Bridal Wreath.** Creamy white, changing to pure white.
- Canary.** Canary yellow, good shape and free.
- Cetewayo.** Rich blackish maroon. medium size, regular form.
- Christine.** Lovely silvery pink, well-rounded petals.
- Empress.** Pure white, embellished with a yellow ray round the centre.
- Juno.** Rosy lake; bordered silvery rose.
- Le Baron.** Rich mulberry; shaded crimson.
- Miss Linaker.** Bright cherry red; good form.
- Mrs. Gilbert.** Pale yellow, tipped white; a delicate shade.
- Silver King.** Orange, flushed silvery white, edged yellow.
- Zephyr.** Crimson and bronze, with yellow stripe at edge of petals.

25 cts. each; set of 13, \$2.00.

SINGLE DAHLIAS.

ERYTHRINA CRISTA-GALLI.

(Coral Plant.)

A magnificent plant, producing its scarlet and crimson pea-shaped flowers on spikes 18 inches long. Planted in May they will flower profusely through the summer. They may be taken up in the fall, and kept in perfect preservation during the winter in a dry cellar, the roots covered with half-dry earth.

25 to 50 cts. each, according to size.

FRAU EMMA TOPFER (STORM KING).

FUCHSIAS.

These graceful plants delight in a cool, shady position, and require a rich sandy loam, or equal parts of loam, sand and manure, thoroughly decomposed. They are not adapted to sunny or exposed situations, as their resting season is during late summer.

TWELVE BEST SINGLE.

- Arabella.** White tube and sepals, rose corolla; early.
Black Prince. Tube and sepals bright waxy carmine, sepals tipped green, large, open pale pink corolla.
Bland's Striped. Tube and sepals scarlet, corolla purple, striped rose.
Carmell's Favorite. Tube and sepals pure white, petals reflex, corolla scarlet.
Emily Ney. White tube and sepals, corolla purple.
Fairy Queen. Tube and sepals white, recurved; corolla rosy carmine.
Flambeau. Crimson reflexed sepals, corolla dark violet, striped scarlet.
Galatea. Rosy carmine tube and sepals, corolla rich purple.
Grandidens. Large, reflex rich carmine tube and sepals, purple corolla.
Mrs. Rundle. Very long, rosy carmine tube and sepals.
Symmetry. Crimson tube and sepals, corolla rich violet plum.
Warrior Queen. Scarlet sepals, large, bluish-violet corolla.

20 cts. each; set of 12, \$2.00.

TWELVE BEST DOUBLE.

- Agamemnon.** Plum corolla, rich scarlet sepals.
Desideratum. Tube and sepals dark scarlet, corolla bluish violet.
Depute Berlet. Corolla violet, tube and sepals bright rose.
Elm City. Crimson sepals, fine dark corolla.
Extraordinary. A large size; scarlet sepals, rich violet-blue corolla.
Francis Desbois. Corolla violet purple, red sepals.
Frau Emma Topfer (Storm King). Undoubtedly the best double white Fuchsias ever sent out. It is of strong, graceful habit, and bears its pure white double flowers in the greatest profusion.
Joseph Rosaine. Very large scarlet tube and sepals; corolla violet blue, striped deep scarlet.
Phenomenal. Larger than Champion of the World; short tube and sepals rich crimson red; corolla full and double, of a beautiful azure violet flaked with red.
President Gunther. Light scarlet tube; corolla violet, shaded rose.
Prince Leopold. Crimson sepals, double purple corolla.
Tower of London. Scarlet sepals, double purple corolla.

20 cts. each; set of 12, \$2.00.

VARIEGATED GERANIUMS.

As an ornament for the parlor or conservatory, or for bedding purposes, nothing excels this class of beautiful plants; the flowers are quite attractive in addition to the richness of foliage.

- Black Douglas.** Golden bronze type. Splendid dark zone, on a fine yellow ground; scarlet flowers.
Happy Thought. Large yellow blotch in the centre of the leaf, with an outer band of green in the margin; flowers rich rose; habit dwarf. A good bedder.
Marshal McMahon. Golden bronze type. Fine bold leaf; broad zone of chocolate on golden yellow ground; one of the best and most effective.
Mrs. Pollock. One of the most beautiful of golden tricolor class; bronzy scarlet zone, golden edge, scarlet flowers.
Mountain of Snow. Silver edge; vigorous grower.

20 cts. each; \$2.00 per doz.; set of 5, 75 cts.

SCENTED GERANIUMS.

- Apple.** **Nutmeg.** **Mrs. Taylor.** **Rose.** **Shrubland Pet.** **Variegated Rose.**
 15 cts. each; \$1.50 per dozen; set of 7, 75 cts.

SINGLE GERANIUM—GLORY OF LYONS.

A magnificent flower, of a beautiful shade of scarlet overlaid with rosy salmon. The size of the individual pip is all that can be desired, to which is added the increased value of a truss fully half as large again as in the ordinary varieties. This sort will be in demand where masses of color are desired, or for market purposes where its brilliant color and striking form will make it a marked flower.

25 cts. each ; \$2.50 per dozen.

TWENTY FIVE BEST SINGLE GERANIUMS.

Aurora. Salmon red, shaded rose on edge of petals.
Belisaire. Salmon, veined crimson, shaded carmine; large truss.
Cyclope. Blush white, with rosy red centre.
Dazzler. The richest scarlet, very large white eye.
Frazier. Light rosy pink; immense trusses.
General Grant. Dazzling scarlet; enormous truss.
General Sherman. Crimson scarlet; very large.
Guinea. Bright salmon yellow.
Glow. Crimson, scarlet light eye.
Juliette. Pink, marbled white.
John Salter. Salmon, tipped white.
L'Elysee. Rosy salmon, mottled white.
Lord Gifford. Crimson scarlet, distinct white eye.

15 cts. each ; \$1.50 per doz. ; set of 25 varieties \$2.50.

Lucius. Immense truss of salmon rose.
Marie Mangin. Rosy salmon, shaded red and white.
Master Christine. Bright pink; the best shade.
Nelly Thomas. Rich bright scarlet, feathered maroon.
Queen Olga. Bright clear pink, a fine flower.
Rev. Mr. Atkinson. Dark crimson truss of immense size.
R. Masson. One of the finest deep crimson bedders.
Rosy Morn. Rosy pink; a distinct shade.
Sam Sloan. A fine deep crimson variety of the nosegay section, very large trusses; a free bloomer.
Souv. de Cuigneaux. Rich deep maroon crimson.
Queen's Pet. Velvety scarlet, shaded crimson.
White Clipper. Pure white.

DOUBLE GERANIUM—WHITE SWAN.

A perfectly double pure white variety which has received a first-class certificate from the Royal Horticultural Society of London as being the best of its class. It is remarkably free blooming, and in season a perfect ball of snow-white flowers. As a pot-plant for house or greenhouse decoration it will fill a long felt want, as many of the white sorts become semi-double, or run into rose or blush shades during the spring and winter months.

25 cts. each ; \$2.50 per dozen.

GERANIUMS.

Twenty-five Best Double.

- Annatole de la Forge.** Bright magenta; large truss.
Crimson Velvet. Rich deep crimson.
Conrad Kirchner. Brilliant scarlet, white centre.
Deputy Lafize. Dark vermillion purple; very rich.
Electric. Lightest shade of vermillion, tinged with light puce; trusses and flowers very large and bold.
Emile de Girardin. Beautiful clear rose.
Emerson. Pink and salmon, shaded flesh color.
Emile Lemoine. Rich dazzling scarlet.
Gambetta. Dark red.
Geo. Thorpe. Of the most intense crimson, very free; an elegant bedding variety.
Golden Dawn. Rich orange, salmon shaded; the nearest approach to yellow yet sent out.
Hollyhock. Orange scarlet, large and fine form.
Hoffman Beach. Rich amaranth purple.
James Y. Murkland. Bright peach, rose centre, broadly margined with white.
James Vick. Deep flesh with dark bronze shadings.
La Pilote. Brilliant crimson scarlet, full and free.
La Titien. Lovely salmon, edged white.
Maggie Hallock. Deep salmon pink, shaded rose; distinct.
Md. Blanche de la Rue. Fine white, large truss and a pure color.
Md. Grandgeorge. Carmine cherry; large truss.
Remarkable. Very rich deep magenta, a distinct free-flowering sort.
Richard Brett. Large trusses of a peculiar orange color; very double.
Robt. Buist. Brilliant crimson.
S. A. Nutt. The best rich dark crimson variety; the flowers are of perfect shape and large size; the trusses massive and produced in great number; close, compact habit.
Thumborg. Carmine, occasionally spotted white.
 15 cts. each; \$1.50 per dozen; set of 25, \$2.50.

DOUBLE IVY LEAVED GERANIUMS.

This class of Geraniums is especially adapted for pot culture or trailing on trellises, or as trailing plants in hanging baskets.

- Anna Pfützer.** Salmon rose, shaded pink.
Count de Choiseul. Rich cherry pink.
Eden Marchii. Pinkish crimson.
Eurydice. Rose mauve, shaded red.
Jeanne D'Arc. One of the finest varieties in size of flower, perfectly double; pure white, suffused light lavender.
La Rosiere. Bright pink.
 15 cts. each; \$1.50 per doz.

GLADIOLUS.

Our list of this charming flower has again been revised, and includes only the very choicest of the old sorts and the cream of the new. Many more good sorts might be listed; but we have endeavored to offer only those possessing the highest merit as to size of flower and spike, purity of coloring and distinct marking.

Our mixtures will also be found of a high standard of excellence. A succession of bloom may be had from July to September by planting at intervals from April to June. The strongest bulbs should be kept for the latest planting. The cultivation of Gladiolus is very simple, as they will thrive in any good garden soil, but amply repay care and liberal feeding by enhanced size and beauty. The bulbs should be taken up before frost and stored in a dry cellar or cool room, where they will not freeze.

- Africaine.** Scarlet ground, streaked scarlet and pure white.
Angele. White; showy and effective.
Anna. Cherry, tinted bright orange, lower petals striped dark carmine.
Astree. Pure white, carmine violet blotch, throat suffused pale lilac.
Aurora. Bright salmon rose, striped orange carmine and lilac.
Bicolor. Rosy salmon, lower petals ivory white, suffused rose.
Brenchleyensis. Bright vermillion scarlet.
Chameleon. Slaty lilac, flamed orange, large creamy white blotch.
Chas. Dickens. Delicate rose, tinted buff, flamed and striped carmine rose.
Conquete. Bright cherry red, pure white blotch, upper petals striped rose.

Add 10 cts. per dozen to price of Gladiolus when ordered to be sent by mail.

GLADIOLUS—Continued.

- Eugene Scribe.** Flower very large and perfect; soft rose blazed with carmine red.
- Grand Lilas.** Tall spikes of large, perfect flowers, of a delicate lilac color, dark shaded edges.
- Hesperide.** Profusely blotched and flaked, bright rose salmon on a pure white ground.
- Ida.** White ground, tinted rose, flamed carmine, lower petals yellow.
- Isaac Buchanan.** Pure yellow; a beautiful flower.
- La Candeur.** Pure white, faintly striped carmine.
- Le Poussin.** Light red, large white blotch.
- Le Vesuve.** Intense fiery red; a rich color.
- Leander.** A lovely shade of lilac flamed carmine, white band in centre of each petal.
- Mad. Monneret.** Delicate rose, striped white, carmine blotch on salmon ground.
- Martha Washington.** Pure light yellow, lower petals tinged rose, long spikes.
- Marie Lemoine.** Pale cream flushed salmon lilac, lower petals purplish violet bordered yellow.
- Meyerbeer.** Brilliant scarlet, flamed vermillion, amaranth blotch.
- Napoleon III.** Bright scarlet, striped white.
- Phœbus.** Brilliant red, with large pure white blotch.
- Princess of Wales.** White, flamed carmine rose, dark carmine blotch.
- Reine Blanche.** Pure white, dark crimson blotch.
- Romulus.** Brilliant dark red, pure white blotch.
- Sappho.** Cherry, tinged orange; pure white blotch feathered with red.
- Schiller.** Sulphur, large carmine blotch.
- Shakespeare.** White, suffused carmine rose, large rose blotch.
- Stella.** White, tinged yellow and rose, flamed carmine.
- Van Spandonk.** Fiery red; a splendid flower.

15 cts. each; \$1.50 per dozen; postpaid, \$1.60 per dozen; set of 30, \$3.00; \$10.00 per 100, our selection.

Gladiolus in Assortments.

These selections have been made with special reference to color, time of flowering and quality of bloom. They will meet the views of our customers, as no poor sorts are used to cheapen the price. The care that has been bestowed upon the Gladiolus has resulted in the production of flowers of large size, charming colors and strong habit. These good points, coupled with the ease with which they may be grown and the prolonged season of blooming, are bringing this class of bulbs yearly into more extended notice.

A. 12 fine sorts named, \$1.50; postpaid, \$1.60.	C. 12 light colors, mixed, \$1.00; postpaid, \$1.10.
B. 12 good " " 1.25; " 1.35.	D. 12 all colors, " .75; " .85.

Gladiolus in Mixture.

To gain an effect with Gladiolus they should be planted in a liberal manner and well manured. In no other plant is there such diversity of color combined with freedom of bloom and easy cultivation.

We offer very fine sorts mixed at the following low rates: All colors, mixed, 50 cts. per doz.; \$3.50 per 100. Light colors, mixed, 75 cts. per doz.; \$5.50 per 100.

Add 10 cts. per dozen to price if ordered to be sent by mail.

HYDRANGÆA ROSEA.

HYDRANGEAS.

- Hortensis.** An old favorite, producing large heads of pink flowers in great profusion; the color may be changed to a beautiful blue by mixing the iron scales from a blacksmith's shop among the soil. Hardy with protection.
- Hortensis Variegata.** An exceedingly ornamental plant; the leaves are deep green, margined with pure white; fine for shady positions.
- Imperatrice Eugénie.** Rose, shaded with white and blue.
- Otaksa.** A Japanese variety lately introduced, having beautiful glossy foliage, and large heads of pink flowers.
- Paniculata Grandiflora.** See Shrubs.
- Rhamnus Pictus.** A grand variety, producing immense heads of deep rose-colored flowers.
- Rosea.** Similar in habit and growth to the popular Thomas Hogg, except in color, which is a bright resy red.
- Thomas Hogg.** Large pure white flowers which, on well-grown plants, measure more than 12 inches in diameter. Is quite as hardy as the other garden sorts.

25 to 50 cts. each, according to size; set of 7, \$1.50 to \$3.00.

Selma, Ala.—“The plants you sent were received, all looking fresh and in a good condition. Many thanks for your prompt attention to my order and the extra plants.”—Mrs. R. J. Davidson.

Jackson, Tenn.—“The plants came all right. I am delighted with them, you sent so many more than I expected.”—Miss Linnie D. Crews.

Bayou Sara, La.—“On Wednesday I received the flower seeds and plants in good condition, and am obliged for your prompt attention to my order.”—A. E. Butler.

Dexter, Me.—“Received the plants you sent me in good condition. Many thanks for extras and note regarding Camellias.”—H. Abbott.

HOLLYHOCKS.

Few hardy plants combine as many good qualities, lend themselves as readily to varied uses, or are as free from disease as the Hollyhock. For planting in rows or groups on the lawn, or for interspersing among shrubbery, they are invaluable. The flowers, which are as elegant in shape as a Camellia, form perfect rosettes of the most lovely shades of yellow, crimson, rose, pink, orange, white, etc. It is not surprising that this old favorite should again become popular; for, by careful selection, the flowers have been so much improved, that they are marvels of beauty and elegance. The Hollyhock requires a rich, deep soil, well drained, and will repay in quantity and elegance of bloom any extra care. A slight protection during winter will be beneficial. We make a specialty of Hollyhocks, and offer them in the best possible condition for immediate or permanent effect.

Separate Colors. White, Rose, Blush, Pink, Yellow, Crimson, Maroon, Salmon, Scarlet, Cardinal, Black, Purple. Young plants 15 cts. each; \$1.50 per dozen. Strong plants 25 cts. each; \$2.50 per doz.

Mixed Colors. Young plants 10 cts. each; \$1.00 per doz.

HELIOTROPE.

HELIOTROPE—QUEEN OF THE VIOLETS.

Chieftain. Lilac, large truss.

Grandiflorum. Pale lilac.

Mad. de Blonay. Large truss, nearly pure white.

Mrs. D. Woods. Deep violet-purple; very free and desirable sort; trusses large.

Queen of the Violets. Of the deepest violet-purple, with large, almost pure white eye and very fragrant. The plant is of vigorous habit and very floriferous. 15 cts. each; \$1.50 per doz.; set of 5, 60 cts.

CHINESE HIBISCUS.

Small shrubs, blooming freely during the summer months, and fine for garden decoration. They are equally desirable for winter blooming.

Aurantiaca plena. Double salmon.

Grandiflora. Large rose.

Lutea plena. Double yellow.

Miniatus semi-plena. The finest and most brilliant, semi-double vermilion scarlet flowers, 4 inches in diameter.

Schizopetalus. Flowers drooping, with reflex orange-red lacinated petals; a curious and valuable variety. 25 cts. each.

Vivicans. Remarkably large flowers, 4½ inches in diameter, full, double; brilliant crimson scarlet; very showy.

Zebrinus. Petals scarlet-edged and striped with creamy yellow and white.

25 cts. each; \$2.50 per doz.

IMPATIENS LUCY.

IMPATIENS.

One of the most distinct and beautiful plants either for winter flowering or summer bedding. Of compact, neat habit, and a perpetual bloomer; the flowers are $1\frac{1}{2}$ inches in diameter, and produced so freely that a well-grown specimen appears to be quite a ball of flowers.

Lucy. A lovely shade of rosy lilac, tinted mauve. This we consider decidedly superior to Sultani, as it stands the summer heat and is a complete mass of flowers from early summer till late autumn. Excellent for edging or massing. 25 cts. each; \$2.50 per doz.

Sultani. Of compact, neat habit, and a perpetual bloomer; the flowers are a peculiar brilliant rosy scarlet color, $1\frac{1}{2}$ inches in diameter, and produced very freely. 15 cts. each; \$1.50 per doz.

IPOMEAS.

LEARI. This is a fine large Morning Glory, with deep azure-blue flowers, over 6 inches in diameter; a very desirable handsome climber, as a companion for I. Noctiflora. 25 cts. each; 5 for \$1.00; 12 for \$2.00.

MEXICANA, OR PALMATA. A distinct and pretty Mexican species, bearing fine clusters of large purplish rose-colored flowers; it grows rapidly and succeeds in almost any position; as a plant for covering arbors, verandahs, etc., it is invaluable; being tuberous-rooted, it may be wintered like a Dahlia.

25 cts. each; 5 for \$1.00; 12 for \$2.00.

NOCTIFLORA (Evening Glory, or Moon Flower). A rapid-growing plant of the "Morning Glory" family, with pure white moon-like flowers, 6 inches in diameter, which open at night; as a rapid climber for covering arbors, verandahs, trees or walls it has no superior.

15 cts. each; 4 for 50 cts.; 10 for \$1.00.

LAVINIA WELTONIENSIS.

(Santolina Argentea.)

A beautiful dwarf and compact-growing white foliage plant, very desirable for carpet and ribbon bedding; is very effective when used in connection with the bright colored Alternantheras.

15 cts. each; \$1.50 per doz.; \$6.00 per 100.

LANTANAS.

One of the best summer-flowering plants for our climate; equally fine in dry or wet weather, sun or shade. There are few bedding plants that bloom more continuously or afford a greater variety of color. When grown with a single stem and trained as standards, with fine bushy tops and straight stem, they present an effect that is surpassed by few plants.

Comtesse Morny. Blush and rose.

Craig. Rich orange carmine.

Favorita. Yellow merging into crimson.

Imperatrice Eugenie. Blush and white.

Perfection. Green foliage, variegated with yellow lilac flowers; very showy and constant.

Pluie d'or. Very clear canary yellow; a novel shade.

Queen Victoria. Fine white.

15 cts. each; \$1.50 per doz.; set of 7, 75 cts.

LEONOTIS LEONORUS.

An old plant recently reintroduced, producing long terminal spikes of beautiful orange-colored flowers; treated in the same manner as Chrysanthemums, they will flower continually from the early part of September until mid-winter.

15 cts. each; \$1.50 per dozen.

LINUM FLAVUM.

LINUM FLAVUM.

An old plant which should receive more attention. As an early winter-flowering plant it is simply indispensable; its brilliant orange flowers are produced so profusely as to completely cover the plant, making it look like a golden ball. Its easy cultivation and usefulness as a house plant should bring it again into notice.

15 to 25 cts. each; \$1.50 to \$2.50 per dozen.

MADEIRA, OR MIGNONETTE VINE.

Of rapid growth, suitable for covering arbors, etc. Flowers feathery white, with a fragrance resembling Mignonette.

10 cts. each; 75 cts. per dozen.

MILLA BIFLORA.

(Mexican "Star of Bethlehem.")

One of the loveliest and most desirable bulbs. The flowers are nearly $2\frac{1}{2}$ inches in diameter, of a pure waxy white color, and usually borne in pairs; the petals are thick and leathery, of great substance, and will keep for days when cut and placed in water.

10 cts. each; 12 for \$1.00; 30 for \$2.00.

MONTBRETIA POTTSI.

A beautiful plant, resembling somewhat a Gladiolus. Each bulb throws up several flower-spikes from 6 to 10 inches long, with numerous small side spikes, making it exceedingly floriferous. Flowers of a bright orange red, of perfect and graceful form.

15 cts. each; \$1.50 per dozen.

MUSA ENSETE.

The noblest of all plants is the great Abyssinian Banana. The fruit of this variety is not edible, but the leaves are magnificent, long, broad and massive, of a beautiful green, with a broad crimson midrib; the plant grows luxuriantly from 8 to 12 feet high. During the hot summer, when planted out, it grows rapidly, and attains gigantic proportions, producing a tropical effect on the lawn, terrace, or flower garden. It can be stored in a light cellar or cool greenhouse during the winter, with a covering of soil, or planted in a tub, watered sparingly.

Plants 8 in., 50 cts.; 1 ft., \$1.00; 2 to 3 ft., \$2.50; 5 ft., \$5.00 each.

PELARGONIUMS.

Pelargoniums.

The Pelargoniums we offer have been selected from one of the finest English collections, which embraces none but the very best and most distinct varieties. We can furnish, if desired, many other fine sorts suitable for market purposes, but consider the following the cream of the collection:

Digby Grand. Blush white, with crimson veins and blotch on upper petals; fringed petals.

Dr. Masters. Large black centre, with narrow margin of rich crimson.

Duke of Albany. Deep rich crimson maroon, margined rosy lake; fringed petals.

Eclipse. Blackish maroon, edged crimson, light centre.

Jessie. Upper petals dark maroon edged with crimson, lower petals rosy pink spotted dark crimson.

Kingston Beauty. Ground color pearly white, dark purple spot on each petal.

Masterpiece. Blush, occasionally flaked carmine; centre of petals crimson.

Mad. Thibaut. White, richly blotched and marbled with rose, the upper petals crimson maroon; large fine trusses.

Miss Maller. Pure white, feathered lilac; a free bloomer.

PELARGONIUMS—Continued.

- Rob Roy.** Lower petals purple, upper black edged purple.
Robert Green. Bright purplish crimson, spotted maroon.
Salisbury. Rosy crimson, blotched maroon.
Triumph de St. Maud. Magenta suffused with crimson, having dark blotches on the top petals.
 30 cts. each; \$3.00 per dozen.

PYRETHRUM AUREUM.

(Golden Feather.)

Used largely for massing or ribbon-edging. The leaves are golden yellow, delicately cut; the color is retained all summer in the brightest sun. The flower shoots should be taken off when they appear to preserve the shape of the plant.

10 cts. each; \$1.00 per doz.; \$6.00 per 100.

DOUBLE PETUNIA "MRS. G. DAWSON COLEMAN."

An entirely new and distinct shape, and without exaggeration the finest double white Petunia ever sent out. The flowers are large, very double, deeply fringed and of a pure white color. We sent out this variety in 1886 with an assured feeling that it would meet with the approbation of plant lovers. The many flattering testimonials we have received from all parts of the country, combined with our own observation of its merits, have led us to grow a large quantity of it, so that we may be able to meet all demands. 25 cts. each; \$2.50 per dozen.

DOUBLE PETUNIAS.

For many years we have made a specialty of Double Petunias, growing from three to five thousand seedlings annually, from which we select the best for propagation. We have discarded the plain-edged sorts, as the fringed and laced varieties listed below are very much better.

<p>Atlantic. Rich rosy purple, edged white.
 Aida. Rosy lilac, edged purplish lilac, distinct and handsome.
 Charmer. Mottled white and carmine, beautifully fringed.
 Cherub. White, splashed with carmine and crimson.
 Cheerfulness. White, mottled with rosy crimson.
 Diana. Light rosy crimson; a beautiful flower.
 Dauntless. Crimson, shading white towards the edge.
 Estelle. Mottled crimson, purple and white.
 Galatea. Fine, deep purplish crimson, edged white.
 Irene. Mottled purple, white and crimson.
 Lucinda. Purplish carmine, mottled white.
 20 cts. each; \$2.00 per dozen; set of 22, including Mrs. G. D. Coleman, for \$3.00.</p> | <p>Mayflower. White, mottled rosy crimson.
 Niobe. Rich purplish crimson, tipped rose and white.
 Oracle. Rosy carmine, edged with white.
 Parsifal. White, crimson and carmine.
 Rev. J. G. Drayton. Rich crimson purple, deep fringe; the finest self-colored variety in cultivation.
 Sappho. Pure white, edged bright purple.
 Silver Queen. Beautiful clear white, suffused silvery pink.
 Snowdrift, Improved. Pure white.
 Thistle. Crimson, flaked white.
 Volunteer. White, with large rosy crimson blotches.</p> |
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SINGLE PETUNIAS.

The varieties offered have been selected from many hundreds of finest seedlings, varying through all the shades of crimson, rose and purple, to the purest white, striped, mottled, self-colored and fringed. A solid bed of Single Petunias makes a very effective show of flowers during the entire season, and one that suffers but little on account of drought or too much rain.

<p>Marvellous. White, striped with rich carmine, elegantly fringed.
 Matchless. White, beautifully flushed with delicate rose, splashed and mottled with crimson; finely fringed.
 Princess. Rosy purple, light veined throat.
 15 cts. each; \$1.50 per dozen.</p> | <p>Progress. Rosy carmine, splashed and marbled with white; finely fringed.
 Startler. Rich crimson, edged pure white, throat veined purple.
 White Perfection. Pure white, deeply fringed; a handsome and desirable variety.</p> |
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PANSIES.

As we have given this plant special selection and cultivation, the stock offered can be relied on as embracing the best from foreign and domestic collections. It combines with flowers of the largest size and finest form the most exquisite gradations of color.

Pot-grown, 15 cts. each; \$1.50 per doz.

Out of frames, 10 cts. each; 75 cts. per doz.; \$5.00 per 100.

VERBENAS.

Blue Bird. Bluish purple, large white eye.

Charm. Rosy carmine, white eye.

Candidissima. Finest white.

Diana. Rich deep scarlet.

Incognito. Rosy crimson, deeper centre.

10 cts. each; \$1.00 per dozen; \$6.00 per 100.

TIGRIDIA. (Shell Flower.)

Curious and beautiful shell-like flowers about 4 inches in diameter, flowering from July to October. The bulbs can be planted about the middle of May, and taken up in October and kept over winter in dry sand.

Conchiflora. Orange, with crimson spots.

Pavonia. Red, with crimson spots.

Pavonia grandiflora alba. Large ivory-white flowers, spotted with maroon and rosy lake in centre.
10 cts. each; 75 cts. per dozen; set of 3 25 cts.

TORENIA.

Asiatica. An exquisite plant, bearing a profusion of porcelain blue flowers, tipped with rich violet purple; it succeeds out of doors in the summer season.

Bailloni. Trailing habit, producing bright golden yellow flowers with a deep brownish red throat. It thrives in the open border, greenhouse or window.

Fournieri. This variety produces large sky-blue flowers, with dark blue spots and a bright yellow centre. Exposed to the full sun, it forms a compact bushy plant about 1 foot high, which commences to flower in June and continues incessantly until frost.

15 cts. each; \$1.50 per dozen.

TUBEROSES.

Double Italian. One of the most delightfully fragrant and beautiful of the summer flowering bulbs, throwing up tall spikes of double white flowers 3 feet high, which remain in bloom a long period. By skilful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March, in the greenhouse or hot-bed; and for a succession they can be planted at intervals as late as August. For flowering in the open border plant about the 1st of May.

Postpaid 10 cts. each; \$1.00 per doz.

Express 8 " " 75 cts. " "

\$5.00 per 100.

Started in pots for early flowering, \$2.00 per doz.

Pearl. The value of this sort over the Double Italian consists in its flowers being of larger size, very double and imbricated; of dwarf habit, growing only from 18 inches to 2 feet in height; its short growth making it desirable as a pot plant or for winter forcing.

Postpaid 10 cts. each; \$1.00 per doz.

Express 8 " " 75 cts. " "

\$5.00 per 100.

Started in pots, \$2.00 per doz.

Variiegated Leaved. Leaves striped with light yellow, very showy when planted in masses; flowers single.

20 cts. each; \$2.00 per doz.

VERBENAS.

With perhaps the exception of the Geranium the Verbena is the most popular and useful bedding plant. Verbenas delight in a sunny situation, a rich soil, and thorough cultivation. The varieties offered comprise the best colors, and include the best of the Mammoth strain sent out last season, and are a marked improvement on the older sorts.

Linda. Cherry crimson.

Blue Peter. Fine blue.

Mrs. Woodruff. Dazzling scarlet.

Oracle. White, striped and splashed with crimson and scarlet.

Purple King. Rich purple, white eye.

Raccoon. Deep maroon, white eye.

Remarkable. White, mottled, splashed and striped with purple.

Inimitable. Bright dazzling scarlet, white eye.

SALVIA (SAGE).

These rich and abundant flowering plants are indispensable in the autumnal garden; either in masses or scattered among shrubbery they display their beauty to advantage.

Soucheti fl. alba. Pure white.

Splendens. Scarlet Sage.

Marmorata. Flowers and calyx pure white, beautifully mottled and spotted with scarlet; dwarf habit, free blooming.

10 cts. each; \$1.00 per dozen; \$8.00 per 100.

VINCAS.

This old and popular plant should be in every garden. Of compact, bushy growth, blooming from June till frost. A desirable plant for massing or pot culture.

Alba. Pure white.

Alba Oculata. White, crimson eye.

Rosea. Rose, dark eye.

15 cts. each; \$1.50 per dozen; \$8.00 per 100.

VINCA MAJOR VARIEGATA.

One of the very best vase plants. Leaves glossy green, broadly margined creamy white. Blue flowers.

15 cts. each; \$1.50 per doz.

VIOLETS.

One of the leading florists' flowers for bouquets. All the varieties should have a slight protection of leaves during the winter. A better plan to insure early spring flowering is to plant in cold frames in the fall. They thrive best during the summer in a shady situation, in a rich, deep soil.

Marie Louise. Deep violet blue; very fragrant and free-flowering. It should be grown by all, on account of its easy forcing qualities.

Mons. Millet. Of a beautiful violet rose color, of large size; very fragrant and a free bloomer. So far this new sort has been free from the disease which has ruined so many violets. 25 cts. each.

Queen Victoria. A large single-flowering sort, deep blue, very fragrant and free; a good forcing variety.

Swanley White. A sport from the popular and well-known Marie Louise, similar in habit and freedom of flowering, but of a pure white color.

Schœnbrun. Single, deep blue; very fragrant.

15 cts. each, except where noted; \$1.50 per doz.

MISCELLANEOUS BEDDING PLANTS.

The limited space of this Catalogue prevents us from giving a full description of many of the following popular and well-known plants. The list embraces some of the oldest and best known varieties, which should not be overlooked.

Asclepias linæfolia alba. 15 cts. each.

Cestrum Parqui. Night-blooming Jasmine. 20 cts. each.

Cheonostemma hispida. A dwarf free-flowering plant bearing small pure white flowers. Pretty for baskets. 15 cts. each.

Echeveria secunda glauca. One of the most desirable plants for carpet bedding.

15 cts. each; \$1.50 per doz.; \$8.00 per 100.

Gazania splendens. Bright orange flowers. 15 cts. each; \$1.50 per doz.

Genista fragrans. Spikes of bright yellow flowers, produced in March and April; very fragrant. 25 cts.

Lemon Verbena (Aloysia citriodora). Fragrant foliage. 15 cts. each; \$1.50 per dozen.

Lobelia speciosa compacta. Fine deep blue.

15 cts. each; \$1.50 per dozen.

Lobelia alba maxima. Pure snowy-white flowers.

15 cts. each; \$1.50 per dozen.

Othonna Crassifolia. A desirable basket plant, bearing bright yellow flowers, which are produced in great profusion. 15 cts. each; \$1.50 per dozen.

Oxalis floribunda alba. An ever-blooming variety, used for pots and baskets, white-flowering. 10 cts. each; \$1.00 per dozen.

Oxalis floribunda rosea. Similar to the preceding one, with rose-colored flowers. 10 cts. each; \$1.00 per dozen.

Plumbago capensis. Light blue. 25 cts. each.

“ **larpentæ.** Dark blue. 20 cts. each.

Stevia serrata variegata. Leaves edged with white; an effective plant for inside row of ribbon-beds.

10 cts. each; \$1.00 per doz.; \$8.00 per 100.

HOUSE AND GREENHOUSE PLANTS.

ASPARAGUS PLUMOSUS NANUS.

ASPARAGUS PLUMOSUS NANUS.

The stems of this extremely elegant plant are tufted, slender and gracefully arching. From the upper portions the branches, which are finer than the fronds of the most delicate Fern, spread in all directions. The whole plant

is of a bright cheerful green. It is one of the most distinct and effective decorative plants for the stove or warm conservatory. \$2.00 each.

ASPARAGUS TENUISSIMUS.

A beautiful species of climbing habit. Remarkable for the extreme delicacy of its foliage; the leaves are longer and of a lighter tint than those of *A. Plumosus Nanus*. As a decorative plant for the stove or warm conservatory it is very striking, and for contrast with the foliage of other plants it is one of the most effective. Like *A. Plumosus Nanus*, the sprays retain their beauty a long time when cut.

25 to 50 cts. each; \$2.50 per dozen.

ANTHERICUM.

Picturatum. A most distinct and handsome variety, differing from the well-known *Anthericum Vittatum Variegatum* in having a bright yellow band running through the centre of the leaf, edged with bright pea-green; as a plant for the embellishing of window-boxes, baskets or vases, it is invaluable.

50 cts. each.

Anthericum Vittatum Variegatum. Desirable for centres of baskets, vases, etc. Long, narrow foliage, striped white. 25 cts. each.

ACHIMENES.

ACHIMENES.

Tropical plants for summer blooming; the scaly tubers must be preserved entirely dry during winter. In early spring pot in peat, sand, and a little light soil. They delight in heat, moisture and shade while growing, but in a cooler temperature when in bloom. Do not water the foliage. Excellent for baskets. 6 choice varieties named.

20 cts. each; \$2.00 per doz.

AZALEA INDICA.

(Chinese Azalea.)

Beautiful plants for window or conservatory decoration. The ease with which they can be grown and their diversity of color will always keep them in public favor. They force readily, are perfectly hardy south of Washington, and if protected by cold frames can be safely kept over winter even in the North. The collection we offer comprises the cream of the best sorts.

Apollon. Large, pure white.

Bernhardt Andreas. Bright rose, star-shaped; a very double flower.

Bernhardt Andreas Alba. Pure double white.

Baron de Vriere. Enormous snow-white flowers with undulated edges, ribboned poppy-red.

Ceres. White, striped rose; fine blooms.

Dr. D. Moore. Perfect form; lively rose, white and violet reflex.

Deutsche Perle. The best of the double white varieties; an early and free bloomer.

Eugene Mazel. Salmon rose, upper petals violet.

Flag of Truce. Pure white; very large and double.

Iveryana. White, occasionally striped rose.

Mad. de Greve. Lively flesh color, bordered white, carmine blotch.

Mad. Vandercruyssen. Large bright rose.

AZALEA INDICA—Continued.

Mad. C. Van Langenhove. Snow-white barred salmon red and light rose.

Roi de Holland. Orange scarlet, saffron blotch.

Raphael. Large, pure double white.

Simon Mardner. Violet rose; fine and free.

Superba. Light red; very fine.

Souv. de Prince Albert. Very large and double; lobes half white and half rose, pure white edges.

We can supply plants at 25 cts., 50 cts., 75 cts., \$1.00 and \$1.50 each; \$2.50, \$5.00, \$9.00 and \$15.00 per dozen.

AMARYLLIS HYBRIDS.

AMARYLLIS.

Beautiful flowering bulbs, which should find a place in every garden. They force readily, and by proper care can be had in bloom during the whole year.

Aulica, Lily of the Palace. Dark crimson, large and fine. \$1.50 each.

Belladonna Major. Bright rose pink. 20 cts. each.

Formosissima (Jacobean Lily). Crimson, blooming early in the summer. The flowers have a most graceful appearance. 20 cts.; \$2.00 per doz.

Hybrids of Vittata. White ground, striped with red. \$1.00 each.

Hybrids of Vittata. Red ground, striped with white. \$1.00 each.

Johnsoni. Very large flower of a rich crimson scarlet color, striped with white. 75 cts.; \$7.50 per doz.

Longiflora Alba. Large fragrant white flowers. 40 cts. each.

Longiflora Rosea. Rose-colored flowers. 40 cts. each.

Prince of Orange. Bright orange, large and fine. \$1.50 each.

Regina. Large orange scarlet flowers, with yellow throat. 75 cts. each; \$7.50 per doz.

Vallota Purpurea. Rich dark crimson scarlet. 30 cts. each.

Vittata. White, striped dark rose; extra. \$1.00 each. Set of 12 sorts, one of each, for \$8.00.

ALLAMANDA HENDERSONI.

A useful climber, for training over trellises or posts in the warm conservatory, producing in clusters tubular-shaped flowers two and one-half inches across of a bright golden yellow color. 50 cts. each.

ALOCASIA MACROHIZA VARIEGATA.

Foliage nearly as large as Caladium Esculentum, broadly splashed with white. Its easy growth, combined with rich variegation, makes this one of the most valuable exhibition plants. 50 cts. to \$1.50 each.

BEGONIA REX.

(Ornamental Leaved.)

We offer ten of the most distinct and handsomely marked varieties of this beautiful class of Begonias. These are grown for their variegated foliage, and are very desirable for house and garden decorations, in shady positions, and especially well adapted for baskets, vases, etc.

25 cts. each; \$2.50 per doz.

FANCY LEAVED CALADIUMS.

For many years the Fancy Leaved Caladiums have been a special feature of our establishment. We grow several large houses of these beautiful plants alone. Our collection has been carefully revised and contains only first-class, distinct and well-marked varieties, and is acknowledged to be the finest in the country. Their greatest value is for the decoration of conservatories, greenhouses and window boxes, while nothing can surpass them as exhibition plants for fairs during the summer and fall. Most of the varieties, if planted about the first of June in partly shaded warm borders, in well-enriched light soil, succeed admirably as bedding plants, the various colorings and markings of which cannot be obtained in any other class of plants. We list 25 fine sorts, but from our collection of over 60 sorts we are able to supply other varieties equally distinct and fine. Many of the fine varieties do not show their variegation when young, and often appear exactly the same as older sorts.

Annibal. Brilliant crimson veins on a rich green ground, spotted with carmine.

Argyrites. Distinct small leaved variety, never exceeding 6 inches in height, bright pea-green leaves, beautifully spotted and marbled with white.

Berose. Deep green spotted, red veins and midrib crimson, light green centre.

Boildieu. Bright crimson centre, deep green margin.

Canerti. Green spotted white, crimson centre.

Candida. Clear white ground, strongly marked ribs and margin.

Chantini Splendens. Spotted rose and crimson, brilliant centre.

Diana. Rich green, spotted red centre, crimson rayed.

E. G. Henderson. Green, spotted with rose, and rayed crimson.

Isadore Leroy. Metallic green, crimson rayed centre.

Jupiter. Green ground, splashed with white, bright crimson midrib.

La Perle du Bresil. White, delicately tinted with rose, midrib and veins dark green; large and transparent; one of the loveliest in cultivation.

Louis Duplessis. Red rays and veins, on a white ground, green margin.

Louis Poirier. Crimson ground, white spots and green margin; finely marked.

Mad. Alfred Bleu. Deep green, white blotches, broad veins of crimson scarlet.

Mad. Fritz Kœchlein. White ground, violet rose ribs, green veins; very handsome.

Meyerbeer. White, veins green, midrib red.

Mons. A. Hardy. Rich reddish carmine veins, on a white ground, tinted with rose and spotted green; a bold and lovely variety.

Napoleon III. Flamed crimson centre on green ground.

Prince Albert Edward. Crimson midrib and veins, dotted with ivory white; black leaf stem.

Reine Victoria. Dark green, spotted white and crimson.

Sauchoniatum. Crimson centre, deep crimson ribs and pea-green margin.

Sieboldii. Fiery red centre, spotted with claret red.

Triomphe de l'Exposition. Crimson centre, bright red ribs and green border.

Wightii. Light green, with crimson and white spots.

Strong bulbs, 30 ets. each; \$3.00 per doz. Set of 25 varieties for \$6.00, or 50 varieties for \$10.00.

CALLA ETHIOPICA.

(Lily of the Nile.)

An old, favorite plant, which should be found in every collection; it grows freely and requires an abundance of water, and produces large pure white blossoms during the winter and spring; the resting period during June and July can be given by turning the pots on their sides, without watering, in a shady place.

25 to 50 cts. each; \$2.50 to \$5.00 per dozen.

CAMELLIA JAPONICA.

The varieties we offer of this desirable plant are the best of their respective color, and consist of white, pink, mottled, rose, etc. We can supply twelve distinct sorts. Special prices for specimen plants on application.

\$1.00, \$1.50 and \$2.00 each.

CISSUS DISCOLOR.

A beautiful climber for hanging-baskets, with mottled and marbled crimson and green foliage. 30 cts. each.

CLERODENDRON BALFOURI.

A hot-house climber, bright scarlet and white flowers, curious shape; admirable house plants. 25 cts. each.

CYCLAMEN PERSICUM GIGANTEUM.

A charming greenhouse bulb, which succeeds admirably in the house. 30 to 50 cts. each.

DRACÆNA GOLDEANA.

DRACÆNA.

(Dragon Tree.)

One of the most desirable of our ornamental foliage plants for decoration, either in or out-doors, as it does not appear to suffer under the dry atmosphere of rooms; in a partially shaded situation it stands remarkably well during the summer out of doors. Its bright foliage renders it very useful for the window garden, planted as a centre-piece in a rustic stand, jardiniere, or window box, or for summer decoration in vases, ornamental beds, etc. It thrives best in a light rich soil, composed of leaf-mould, sand, loam and thoroughly decomposed manure.

Amabilis. Green, white and pale violet; strong plants. 50 cts. to \$1.00 each.

Baptisti. Green, creamy-white flakes flushed with rose. 50 cts. to \$1.00 each.

Goldeana. Irregularly banded with dark green and silver gray in alternate straight bands. \$3.00 each.

Imperialis. A strong growing variety, with large deep rose and creamy-white foliage. \$1.00 each.

Terminalis. Rich crimson foliage marked with pink and white. 30 cts. to \$1.00 each.

Youngi. Light green changing to copper color. \$1.00 each.

DRACÆNA-CORDYLINE.

The Cordylines are especially well adapted for centres of vases, baskets, etc., the bright green narrow foliage contrasting well with other foliage and flowering plants.

Australis. A very long, narrow, graceful foliage.

Indivisa. Long foliage; green, graceful.

Veitchi. Long foliage, brown streaked. 25 to 50 cts. each.

EUCHARIS.

Amazonica. A splendid hot-house plant, blooming nearly the entire season. It sends up stalks bearing several pure white, star-shaped flowers, 4 inches across, delightfully fragrant. It is very highly prized in bouquets, baskets, etc. 30 cts. to \$1.00 each.

FICUS.

Elastica (India Rubber Tree). One of the best plants for table or parlor decoration; its thick leathery leaves enable it to stand excessive heat and dryness, while its deep glossy green color always presents a cheerful aspect. The plants we offer are in fine order and are of a size to be useful immediately. 75 cts. to \$1.50 each.

Chauveri. Large foliage, cream rib. \$1.00 each.

Parcelli. Marbled green and white leaves. 50 cts.

Repens. Creeper for green or hot-house. 25 cts.

✻ FERNS. ✻

We make a specialty of Ferns, and can supply the leading kinds in quantity at all seasons. Our collection embraces the best varieties of this beautiful class of plants, whose diversity and gracefulness of foliage make them much valued for Wardian Cases and Ferneries. Where there is moisture and shade the stronger varieties succeed well when planted on rock-work out of doors. A light soil mixed with bone-dust, sand and peat will be found the best for Ferns. Good drainage must be provided, as stagnant water is fatal to success.

Adiantum (Maiden Hair).

- **Assimile.**
- **Amabile.**
- **Anitiense.**
- **Bellum.**
- **Concinum.**
- **Concinum latum.**
- **Cuneatum.**
- **Caudatum.**
- **Decorum.**

Actinopteris radiata. 50 cts.

Alsophilla Australis. 25 cts. to \$1.00.

Blechnum Braziliense.

Cibotium regalis. 50 cts to \$2.00.

Denistœdia Davalioides.

Davallia Mooreana. 50 cts.

“ **stricta.** 50 cts.

Dicksonia Antarctica. 50 cts.

Gymnogramma chrysophylla (Gold Fern).

Adiantum.

- **Farleyense.** 50 cts.
- **Fissum.** 50 cts.
- **Formosum.** 50 cts.
- **Gracillimum.**
- **Le Grande.**
- **Macrophyllum.** 50 cts.
- **Peruvianum.** 50 cts.
- **Princeps.** 50 cts.
- **Pubescens.**

Gymnogramma Peruviana argyrophylla (Silver F.)

- “ **schyzophylla.** 50 cts.
- “ **sulphurea (Sulphur Fern).**

Lastrea Richardsii multifida.

- “ **Aristata variegata.**

Lomaria gibba.

- “ **ciliata.**

Lygodium scandens.**Microlepia hirta cristata.****Nephrolepis davalloides furcans.** 50 cts.

- “ **Duffi.** 50 cts.

- “ **exaltata.**

- “ **pectinata.** 50 cts.

Onychium Japonicum.**Polypodium aureum.****Pteris argyrea.**

- **cretica.**
- **cretica albo lineata.**
- **nemoralis.**

Pteris Ourardi.

- **serrulata.**

- **tricolor.**

Sitalobium cicutarium.

25 cts. each: \$2.50 per dozen, except where noted, or the entire collection of 54 varieties, including the 4 new sorts, for \$12.50.

NEW FERNS.

ADIANTUM CUNEATUM GRANDICEPS.

Adiantum Cuneatum Grandiceps. A very beautiful form of *A. Cuneatum*, having long graceful fronds, with the ends of the fronds developed into bunching tasselled heads; a distinct and lovely variety. 25 and 50 cts. each.

Adiantum Rhodophyllum. A most distinct and beautiful Maiden-Hair Fern; the fronds are densely crowded, and attain a height of 15 to 18 inches; when first developed the young pinules are crimson, gradually changing to a rosy green, and finally to a soft pale green. 50 cts. each.

Davallia Fijiensis. A charmingly elegant evergreen Fern; free in growth, firm and durable in texture, and bright green in color. From the Fiji Islands. The fronds grow 2 to 3 feet long. \$1.00 to \$1.50 each.

Nephrolepis Refulgens Tripinnatifida. A distinct and handsome variety with long, graceful foliage, peculiarly divided and overlapping. The fronds present a very feathery appearance. \$1.00.

Pteris Serrulata Cristata Nana Compacta. A new and beautiful form of *Pteris Serrulata Cristata*; spreading habit, large foliage, finely crested. 50 cts. each.

JASMINUM GRACILLIMUM.

JASMINUM.

Gracillimum. Exceedingly floriferous; A flowering shoot is produced from every joint, which terminates in a dense cluster of pure white fragrant flowers; in bloom from Oct. to Feb. 50 cts. each.

JASMINES—Continued.

Grandiflorum. This favorite variety, known as the Catalonian Jasmine, is a valuable winter blooming sort. The flowers are pure white and deliciously fragrant. 25 cts. each.

Grand Duke. Large white, imbricated double flowers; fragrant. 30 cts. each.

Sambac. Creamy white, star-shaped flowers; very fragrant and free. 30 cts. each.

Sambac fl. pl. Of same color as above, but bearing larger flowers, which are very double. 30 cts. each. Set of 5 for \$1.50.

MOSESSES.

The following list comprises the most useful of the Lycopodiums and Selaginellas, and such as can be grown without difficulty:

Cæsium.	Denticulatum.	Krausea aurea.
Martensi compactum.		Serpens.

15 cts. each; \$1.50 per dozen.

MANDARIN ORANGE.

The best of the Oranges for house culture. Of dwarf, bushy habit, and a heavy bearer. We can supply plants old enough to bear fruit. \$1.00 each.

GLOXINIA CRASSIFOLIA GRANDIFLORA.

A charming class of summer blooming bulbs which succeed with ordinary care. They should be grown in a moderately shady place, as the sun burns the foliage when wet, making brown spots appear. If planted in frames, they will thrive admirably and produce their lovely flowers from June to September. After planting the bulbs in a mixture of fibrous peat, light loam, manure and sand in equal parts, they require but little heat or water until they show signs of growth, when the quantity of moisture and heat may be increased. Air should be plentifully supplied to prevent damping off. When the plants have done blooming dry gradually off, and keep in pots over winter in a moderately warm place, or under the staging of a greenhouse.

We have made a specialty of the Gloxinia for many years, and have added all the improved strains as they have appeared, until our collection is unsurpassed either in this country or abroad. The past season we have added a strain of richly marbled and spotted sorts; also a fine strain of large self-colored varieties. The named varieties we offer are specially good, and our mixtures include flowers of lovely form and hue.

Butterfly. Flowers erect, of a lovely shade of porcelain blue, with large pure white throat.

Carmen. Flowers erect, pure white throat, lips rich crimson.

Crimson Queen. Flowers erect, of very large size, throat deep crimson, pure white lips.

Fanchon. Flowers pendulous, pure white, with large crimson blotch on lower lip.

Jenny Lind. Flowers erect, rich shade of deep purplish blue.

Purple Gem. Flowers erect, pure white lips, throat deep rich purple.

Sappho. Flowers erect, rich dazzling crimson, flowers large and of good substance.

Sylph. Flowers erect, pure white, with crimson-banded throat.

Triumphant. Flowers erect, of a bright rosy crimson color, throat pure white, minutely spotted with deep crimson.

30 cts. each; \$3.00 per dozen; set of 9 \$2.25.

MIXED GLOXINIAS.

These comprise all shades of color and erect, horizontal and pendulous flowers; for those who do not care about special color they will be found very desirable, as only fine varieties have been kept, the poor and dull colors having been discarded.

25 cts. each; \$2.50 per dozen.

ORCHIDS

FOR COOL GREENHOUSE.

These can be grown in any cool greenhouse or pit where the temperature does not fall below 38 or 40°. The time of flowering is given with each variety.

Acineta Humboldtii. Pretty straw-colored flowers, dotted form; blooms in May. \$1.50.

Bletia Tankervilleæ. A well-known variety; producing long spikes of large flowers during the winter months; sepals and petals brownish red, lip white, purple tip, and greenish yellow centre. \$1.00 to \$1.50.

Cattleya Citrina. The flowers are of a bright lemon yellow, deliciously fragrant, and are produced singly or in pairs; it blooms from May to August, and lasts for three or four weeks. \$1.00 to \$2.00.

Cypripedium Boxalli. Upper sepals of a beautiful fresh light green, with a narrow white border, covered with blackish brown spots; inferior sepals light green with lines of very small reddish brown spots; petals light green with dark lines. \$2.00.

Cypripedium Insigne. Flowers during mid-winter. The blooms will last six weeks; sepals and petals yellowish green, petals tipped with white and spotted brown; the lip is orange and brown. \$1.00 to \$5.00.

CATTELEYA CITRINA.

ORCHIDS FOR COOL GREENHOUSE—*Continued.*

Cypripedium Sedeni. Sepals greenish white; petals twisted, white edged with purple, lip medium-sized, rich crimson shaded with purple; winter. \$2.50.

Cypripedium Villosum. Flowers often measure six inches across, and have a fine glossy appearance over their whole surface, which is orange red intermixed with light green and dark purple; May. \$2.50.

Dendrobium Jamesianum. A fine species bearing pure white flowers with lip stained cinnabar red; spring and summer. \$3.00.

Lælia Anceps. Flowers fragrant, two to four inches across; sepals and petals rosy lilac; lip deep purple shaded with rosy lilac; very free flowering, and an easily grown species; December and January. \$1.50 to \$3.00.

Lælia Albida. Flowers $1\frac{1}{2}$ to 2 inches across and very fragrant; nearly white, with pale pink lip streaked yellow in centre; December and January. \$2.00.

Lælia Majalis. Flowers bright silvery rose, lip blotched crimson purple, and margined rosy lilac; June and July. \$2.00.

Lælia Autumnalis. A lovely and showy Orchid. It produces on spikes its blooms of from six to nine; the sepals and petals are of a beautiful purple color; lip rose and white, with yellow in the centre; the flowers are four inches across; December and January. \$1.50 to \$3.00.

Lælia Autumnalis Atrorubens. Flowers rich reddish or magenta purple, deepest towards the tips of the sepals and petals, especially so on the upper part, while the lower is almost pure white. \$3.00.

Lycaste Skinneri. Flowers from four to six inches across; sepals and petals white, more or less suffused with rose; lip rosy lilac, frequently very heavily blotched with the deepest rosy crimson; November to March. \$1.50 to \$2.50.

Lycaste Aromatica. Flowers yellow, disposed in spikes; free flowering, blooming during winter and spring, and remaining in beauty for weeks. \$2.00.

Odontoglossum Anceps. Flowers of a soft deep yellow, beautifully barred or spotted towards the centre with rich brownish crimson, measuring three to four inches across; winter. \$2.00.

Odontoglossum Alexandræ. Pure white with bright golden spots on the lips; a graceful plant, producing its lovely spikes of bloom very freely when kept quite cool; winter. \$1.00 to \$2.00.

Odontoglossum Grande. Flowers 4 to 7 inches in diameter, sepals and petals rich orange yellow, lower half banded and blotched bright chestnut brown, lip creamy white, spotted brown. A beautiful sort. \$1.50 to \$2.50.

Odontoglossum Harryanum. Sepals and petals rich chocolate, handsomely veined golden yellow; pure white lip veined violet. \$3.00.

Oncidium Crispum. This species blooms at different times of the year, and lasts in beauty for three or four weeks, producing long spikes of large flowers; the sepals and petals are of a rich coppery color; the lip is the same, but with lighter spots in the centre. \$2.00.

Oncidium Leuchochillum. Green, transversely streaked with bands of brown and occasionally crimson, lip pure white changing to yellow. \$1.50 to \$2.00.

Oncidium Ornithorhynchum. Flowers soft rosy purple, perfumed like the Heliotrope. The gracefully drooping panicles are thickly laden with bloom; autumn or winter. \$2.00 to \$3.00.

Stanhopea Oculata. Flowers large, curiously formed, thick and waxy in texture; the color of the flower is pale yellow spotted with purple; July to September. \$2.00.

ODONTOGLOSSUM ALEXANDRÆ.

ORCHIDS FOR TEMPERATE HOUSE.

These can be grown in an ordinary greenhouse where the temperature does not fall below 55° to 60°.

- Aerides Fieldingii.** Flowers white, large, beautifully mottled with bright rose. The racemes are two to three feet long and continue to produce flowers three to four weeks. \$5.00.
- Angraecum Citratum.** Flowers creamy white or pale lemon, produced on long racemes from the axils of two-year-old leaves. It often bears twenty flowers on a stem winter. \$2.50.
- Angraecum Ellisii.** Flowers pure white, fragrant, about two inches across; sepals and petals narrow, reflexed, borne on long racemes; winter. \$2.50.
- Angraecum Sanderianum.** A free-blooming and pretty winter variety, useful for cutting. Frequently 25 ivory-white flowers are borne on a single stem. \$1.50.
- Angraecum Scottiana.** Flowers pure white, of delicate texture, distinct; June and July. \$2.50.
- Angulosa Clowesii.** Clear golden yellow, fragrant flowers; lip pure white; tulip-shaped; summer. \$2.50.
- Calanthe Veitchii.** Flowers rich bright rose, with a white throat, spikes often attaining a height of three feet, bearing an immense quantity of flowers; winter. \$2.00 to \$3.00.
- Cattleya Amethystina.** A lovely Orchid from Brazil bearing flowers of a beautiful shade of amethyst. \$2.50.
- Cattleya Amethystoglossa.** A beautiful and distinct species growing from two to three feet, producing spikes of from six to seven flowers, measuring over five inches across; sepals and petals light rose spotted with purple; lip deep purple; March to May. \$3.50.
- Cattleya Boringiana.** A beautiful small-flowering species of easy growth. It produces bright carmine purple flowers during early winter. \$2.50 to \$3.50.
- Cattleya Eldorado.** Flowers large, sepals and petals pale pink, lip purplish crimson, stained orange in the throat, serrated edges; August to September. \$2.50.
- Cattleya Guttata.** Green, tinted yellow and dotted crimson; lip white, stained purple; Oct. and Nov. \$4.00.
- Cattleya Gigas.** Very large flowers; petals and sepals pale rose; large lip of a rich deep purple or crimson violet; distinct yellow blotches; April and May. \$3.00.
- Cattleya Sanderiana.** \$3.00.
- Cattleya Gaskelliana.** One of the best of this family on account of its free growth and the great beauty and rich coloring of its flowers. \$2.50.
- Cattleya Mendellii.** Sepals and petals varying from white to a light pink, large and broad; lip large, of a rich magenta color; April and May. \$3.00.
- Cattleya Mossiae.** Flowers from five to six inches across; sepals and petals are of a deep blush or rose color; large lip, of the same shade, in most instances beautifully fringed or crimped around the edge. One of the best; May to July. \$2.00 to \$4.00.
- Cattleya Percivalliana.** \$2.50.
- Cattleya Trianae.** The flowers measure four to six inches in diameter; sepals and petals blush; lip blush, or pale rose color outside; the throat orange, and the front rich purple; winter. \$2.50 to \$3.00.
- Catasetum Bungei.** Peculiar shaped chocolate-colored flowers. A strong and easily grown sort. \$1.50.
- Cœlogyne Cristata.** A magnificent Orchid. The flowers are borne in clusters of six or eight on a drooping raceme. Each flower is three to four inches across. Sepals and petals are undulating and of a pure white color with prominent blotches of yellow on the crest; remain in perfection four or five weeks; February and March. \$2.00, \$3.00 and \$5.00.
- Cymbidium Lowianum.** Flowers large; sepals and petals green with a few faint stripes of brown; lip pale yellow with a few brownish purple spots at the base; March. \$3.50.
- Cypripedium Caudatum.** A remarkable variety. The flower scapes which rise from the centre of the plant are twelve to eighteen inches long and bear singular flowers. Sepals and petals are yellowish brown. The long tail-like petals often attain a length of thirty inches. \$5.00.
- Cypripedium Concolor Roegneri.** Flowers cream-color, finely spotted; borne in pairs; leaves beautifully variegated. \$3.50.
- Cypripedium Sanderianum.** \$5.00.
- Dendrobium Devonianum.** Sepals and petals soft creamy white tinged with pink; lip white margined with purple and spotted rich orange at the base, and edged with a delicate lace-like frill. \$2.50.
- Dendrobium Fimbriatum.** Rich deep orange flowers, two inches across; margin of lip bordered with a golden moss-like fringe; March and April. \$2.50.
- Dendrobium Nobile.** One of the best known and easiest grown. The flowers are large, sepals and petals white tipped with rosy pink; lip white, blotched at the base with deep velvety crimson; February to April. \$1.50 to \$3.00.
- Epidendrum Fragrans.** Very fragrant greenish white flowers; freely borne. \$1.50.
- Lælia Dayana.** Sepals and petals rosy purple; lip rich purple margined with lilac and white; a handsome free-flowering species. \$2.00.
- Lælia Purpurata.** Flowers very large; sepals and petals pure white; lip large, often three inches in length, and of a rich deep purplish crimson; blooms during May and June; a grand species; \$3.00.
- Leptotes Bicolor.** A neat and pretty species with a creeping rhizome which throws up several slender stems which terminate in a fleshy leaf. The flower rises from the base of the leaf and is of a white color streaked with purple. \$2.00.
- Oncidium Jonesianum.** The elegant flowers are borne on drooping racemes; wavy sepals and petals of a pale greenish straw-color, blotched dark brown; pure white lip. The claw has on each side a roundish yellow auricle with small purple dots and a prominent white crest dotted red. \$1.50.
- Odontoglossum Razzii.** Sepals pearly white; petals stained with a rich purple at the base; lip large, flat, stained with yellow at the base and streaked with chocolate brown; autumn. \$2.50.
- Odontoglossum Vexillarium.** The flower-spikes are produced from the side of the bulbs, and bear from five to seven flowers each; sepals and petals rosy pink; lip of the same color. \$2.50.
- Oncidium Varicosum.** Sepals and petals pale green banded with brown; lip large and of a bright yellow color; produces on strong plants scapes about three feet long with large panicles of from eighty to ninety flowers. \$2.50.
- Schomburgkia Tibicina.** The blooms are produced on spikes five feet or more in length; each flower measures two inches across; sepals and petals pink, spotted with rich chocolate; lip white with rose color on the sides; flowers during May and June, and lasts in good condition for about six weeks. \$3.00.
- Zygopetalum Mackayi.** A very handsome plant, producing long spikes of large flowers during the winter months. The color of the flowers is greenish yellow spotted with brown and lilac. It lasts in perfection for a long time. \$2.00 to \$3.00.

TROPICAL ORCHIDS.

These require the temperature of a hot-house or warm conservatory.

- Aerides Crispum.** A beautiful free-growing kind; the blossoms, which are abundant, are white tipped with pink; June and July. \$2.50.
- Aerides Expansum Leonæ.** One of the very best sorts. The pendulous scape is 15 inches long, densely crowded with flowers, spotted and stained with pale purple on a white ground. \$4.00.
- Aerides Maculosum.** Flowers large; sepals and petals pale rose color, spotted with purple; lip flat, of a deep rosy purple; June and July. \$2.50.
- Aerides Odoratum.** Sepals and petals creamy white tipped pink; very fragrant. \$3.00.
- Aerides Odoratum Majus.** Of same color and habit as *Odoratum*, but with a larger and longer spike of beautiful flowers. \$3.50.
- Cypripedium Belatulum.** \$5.00.
- Cypripedium Ciliolare.** A distinct and handsome flower of a brownish-purple color, traversed white and green veins. \$3.50.
- Cypripedium Haysaldiana.** Upper half of sepals faint rose and white, lower half green, beautifully blotched with brown; inferior sepal pale green slightly spotted brown; lip green; winter. \$2.50.
- Cypripedium Lavigatum.** Bearing from 3 to 4 flowers on each stem; sepals striped inside with purple; petals 6 inches long, very much twisted, beautifully blotched with chocolate, purple and green; lip yellow; spring. \$2.50.

PHALAENOPSIS SCHILLERIANA.

TROPICAL ORCHIDS—Continued.

- Cypripedium Lawrenceanum.** A handsome species, with beautiful variegated foliage, having on their inner surface a dark green mosaic on a light green, nearly white ground. Flowers greenish white with dark purple spots and stripes; winter. \$2.50 to \$3.00.
- Cypripedium Niveum.** Of a soft snowy white, except a few spots of cinnamon scattered over the sepals and petals; foliage dark green on upper side, with lighter markings; under side vinous red; winter. \$2.50.
- Cypripedium Spicerianum.** Upper sepals white with a central line of purple, sepals greenish, with a central line; lip greenish white spotted violet; one of the most beautiful; early winter. \$4.00 to \$5.00.
- Cypripedium Stoneii.** A superb species; sepals large, white, streaked with dark purple, and tinged with yellow; petals 5 inches long, yellow, streaked and blotched with purple; lip large, purplish, with red veins; winter. \$3.00.
- Dendrobium Crassinode.** Sepals and petals waxy white, tipped with rich purple, lip purple, with an orange blotch at the base; February and March. \$2.50.
- Dendrobium Chrysanthum.** Flowers rich deep yellow, borne in twos and threes on leafy stems; lip fringed, dark crimson blotch; September. \$2.50.
- Dendrobium Dalhousianum.** Flowers 3 to 4 inches wide, sepals and petals buff shaded pale lemon, lip of same color, with two large dark crimson blotches; margined rosy pink; April and May; \$3.00.
- Dendrobium Formosum Giganteum.** Flowers white, 4 to 6 inches across, lip large, white with orange throat. \$3.00.
- Dendrobium Heterocarpum.** Flowers amber, produced in bunches of from 4 to 6, very fragrant; lip amber with brown and purple; February. \$2.50.
- Dendrobium Thyrsiflorum.** A showy species, producing splendid clusters of golden yellow and white flowers; a lovely Orchid of easy cultivation; March and April; \$2.50 to \$4.00.
- Dendrobium Wardianum.** Flowers 3 to 4 inches in diameter, 30 to 40 to a bulb; sepals and petals white, upper portions rich bright magenta; lip large, white above, rich orange in the lower part, with two deep spots of crimson magenta; May. \$2.50 to \$3.00.
- Epidendrum Bicornutum.** A curious and handsome species; flowers pure white with a few crimson spots in the centre of the lip; summer. \$2.00.
- Oncidium Ampliatum.** Flowers clear yellow, much paler on the under side, scape three feet high; spring and early summer. \$2.50.
- Oncidium Bicallosum.** A showy dwarf-growing species; sepals and petals dark brown; lip bright yellow;

winter. \$2.00.

- Oncidium Cavendishianum.** Flowers yellow, produced in great abundance from strong branching panicles; winter. \$2.00.
- Oncidium Hastatum Roezli.** Flowers yellow, dotted brown; lip yellowish white. \$3.00.
- Oncidium Krameri.** A pretty species, somewhat like *O. Papilio*; color yellow, heavily spotted brown. \$3.00.
- Oncidium Lanceanum.** Sepals and petals large, ground color yellow, tinged with green, barred and blotched with chocolate brown; lip large, rich violet in the lower portions, rose above. \$1.50 to \$2.00.
- Oncidium Papilio (Butterfly Orchid).** Flowers pale golden yellow, barred with chestnut brown, resembling a large butterfly in shape; sepals long, narrow, erect, bearing a resemblance to the antennæ and proboscis of a butterfly. \$2.00 to \$3.00.
- Peristeria Elata (Dove, or Holy Ghost Flower).** Flowers white, with small lilac specks on the base of the lip, waxy, very sweet-scented, about 1½ inches in diameter; July or August. \$1.50 to \$3.00.
- Phalaenopsis Amabilis.** Flowers often 5 inches in diameter; sepals and petals pure white, of great substance, the lip having a few bright yellow streaks; autumn. \$3.50.
- Phalaenopsis Schilleriana.** Flowers 2½ inches in diameter, arranged in two rows along the spike; petals and sepals of a fine rose color; lips rose color and white; spike 3 feet in length, bearing sometimes 100 flowers; winter. \$3.50.
- Saccolabium Cæleste.** Petals and sepals tipped sky blue, base of lip blue, the recurved spur also having a blue tint on both sides. \$3.00.
- Saccolabium Giganteum.** Flowers sweetly perfumed and freely produced on long racemes, sepals and petals white spotted amethyst, lip a beautiful mauve violet; blooms in winter. \$4.00.
- Saccolabium Guttatum.** A very handsome species; the flowers are closely set, so as to form massive wreaths; sepals and petals waxy white, spotted deep rosy purple; lip small and of a purple shade; May to August. \$3.50.
- Vanda Cærulea.** This remarkably handsome plant produces upright spikes, each bearing from 8 to 10 flowers, which are nearly 5 inches across; sepals and petals pale blue; lip of a deeper shade of blue; autumn. \$3.50 to \$5.00.
- Vanda Tricolor.** A charming free-growing species; the sepals and petals are pale yellow, spotted crimson; lip purple striped with white. It blooms at different times and lasts long in perfection. \$5.00.

LATANIA BORBONICA.

CHAMÆROPS EXCELSA.

→ PALMS. ←

The following is a select list of rare and handsome varieties, which can be recommended for apartments, conservatory decoration, or vase plants during the summer. All are in a clean and thrifty condition suitable for making immediate effects, and require no nursing to bring them into proper shape. The Seaforthias, Arecas, Latanias and Kentias are of quick and graceful growth, and can be grown without much trouble.

Areca Baueri. A distinct and graceful Palm, excellent for table decoration. \$1.50 to \$2.00 each.

Areca Rubra. Foliage deep green, tinged red, stems red. 50 cts. to \$1.00 each.

Areca Lutescens. One of the most valuable and beautiful Palms in cultivation; bright glossy green foliage and rich golden yellow stems. 50 cts. to \$2.00 each.

Areca Sapida. A strong upright growing variety with dark green feathered foliage. \$1.00 to \$3.00 each.

Areca Verschaffelti. One of the most elegant varieties, with dark shining green foliage and light-colored band through the centre of each leaf. \$1.00 to \$3.00.

Caryota Urens (Fish Tail Palm). An easily grown and useful sort. 50 cts. to \$1.00 each.

Chamædora Elegans. A pretty decorative variety with deep glaucous green foliage. 50 cts. to \$1.00 each.

Chamærops Excelsa. A handsome Fan Palm, of rapid, easy culture. 50 cts. to \$1.00 each.

Cocos Weddelliana. The most elegant and graceful of all the smaller Palms. 50 cts. to \$1.00 each.

Cocos Plumosus. Plume-shaped foliage. The Cocos are admirable for Fern dishes, as they are of slow growth, and maintain their beauty for a long time. 50 cts.

Corypha Australis. An Australian Palm, of rapid growth and easy cultivation. 50 cts. to \$1.00 each.

Curculigo Recurvata. A very graceful Palm-like plant for decorative purposes. 50 cts. to \$3.00 each.

Euterpe Edulis (Assai Palm). Of spreading graceful habit. 50 cts. to \$1.00 each.

Cycas Revoluta (Sago Palm). The stem of this variety is very thick, and bears the foliage in whorls at the top. \$5.00 to \$12.00 each.

Kentia Belmoreana. A beautiful strong-growing Palm, with deep green crisp foliage. \$1.50 to \$3.00 each.

Kentia Fosteriana. One of the finest of the Kentias, with graceful bright green foliage. \$1.50 to \$3.00 each.

Latania Borbonica (Chinese Fan Palm). The most desirable for general cultivation, especially adapted for centres of baskets, vases, jardinières, etc. 50 cts., \$1.00, \$2.00, \$3.00, \$5.00 each.

Phœnix Reclinata. Beautiful reclinate foliage. 50 cts. to \$2.50 each.

Phœnix Rupicola. Of graceful arching habit. 50 cts. to \$2.50 each.

Phœnix Sylvestris. An attractive sort, deep green foliage. 50 cts. to \$2.00 each.

Ptychosperma Alexandræ. 50 cts. to \$1.00 each.

Seaforthia Elegans. One of the very best for ordinary purposes, of graceful habit, and rapid, easy growth. 50 cts. each.

PANDANUS UTILIS.

PANDANUS (Screw Pine).

Utilis. Called Screw Pine from the arrangement of the leaves on the stem. Excellent for the centre of vases and baskets, or grown as a single specimen; a beautiful plant. 30 to 75 cts. each.

PANDANUS—Continued.

Javanicus Variegatus. Leaves green, with broad stripes of pure white gracefully curved. \$1.00 each.

Veitchii. This is one of the most attractive plants. The leaves are light green, beautifully marked with broad stripes and bands of pure white, and gracefully curved. \$1.50 to \$10.00.

STEPHANOTIS FLORIBUNDA.

One of the most charming hot-house climbers, growing rapidly, with long glossy deep green foliage, and producing clusters of pure white flowers, deliciously fragrant.

50 cts. to \$1.00 each.

SMILAX.

(*Myrsiphyllum Asparagoides*.)

A climbing plant, unsurpassed in the graceful beauty of its foliage; its peculiar wavy formation renders it one of the most valuable plants for bouquets, wreaths, festoons and decorations. Can be easily grown in the house.

15 cts. each; \$1.50 per dozen.

TABERNÆMONTANA CAMASSA.

Greenhouse shrub, neat and compact, resembling the Gardenia in growth and fragrance; pure white double flowers, fine for cut-flower work. 50 cts. each.

RHODODENDRONS.

The Rhododendron is one of the most valuable of our hardy decorative plants. The leaves are broad, green and glossy, and when planted in groups have a cheerful appearance in the midst of winter. In June the ends of the branches are covered with large clusters of beautiful flowers. They bear pruning well, and can be kept down to 2 feet, or allowed to grow 6 or 8 feet; as standards, they are particularly fine.

They require only a good garden soil, which should be dug at least two feet deep, and mixed with some leaf mould or peat; it is also well to mulch the ground during the summer, and a protection of leaves and brush during the first winter will be beneficial. The finest varieties are the Hybrids of *Catawbiensis*, from which our stock is especially selected with reference to hardiness. We offer a choice collection of plants from 12 to 24 inches high, bushy and well established, ranging in color from the purest white through all the shades of rose, pink, purple and crimson.

\$1.00 each; \$10.00 per dozen. Plants set with buds, \$1.50 each; \$15.00 per doz.

Extra large specimens in bud, 3 feet high, \$2.50 each; \$24.00 per doz.

THE BEST HARDY SHRUBS.

First quality, 30 cts. each, except where noted; \$3.00 per dozen; \$20.00 per 100.

Second " 25 " " " " " 2.75 " " 18.00 " "

Acacia Rosea (*Robinia pseudo-acacia hispida*). Elegant rose colored flowers; blooms in mid-summer. 50 cts.

Almond, Double Pink (*Prunus Japonica rosea plena*). A small shrub, bearing in spring, before the leaves appear, an abundance of double, rose-like flowers.

Almond, Double White (*Prunus sinensis flore alba plena*). Flowers pure white.

Althea, or Rose of Sharon (*Hibiscus Syriacus*). Strong, erect growing shrubs of the easiest culture, which bear large and showy flowers in early fall.

Althea Bicolor Hybrida.

" **Carnea Plena.** Double, flesh color.

" **Double Purple.**

" " **White.**

" **Elegantissima.**

" **Grandiflora Superba.**

" **Lady Stanley.** Double variegated flowers.

" **Speciosa.**

" **Semi-Double Violet.**

" **Van Houttei Monstrosa.**

" **Single White.**

Barberry (*Berberis Canadensis*). American Barberry.

Yellow flowers April to June, followed by red berries.

Barberry (*Berberis vulgaris*). Yellow flowers in drooping racemes, in early summer, followed in autumn with orange-scarlet fruit.

Barberry, Purple (*Berberis vulgaris purpurea*). Violet colored foliage and fruit; very effective.

Box, Common (*B. myrtifolia*). A hardy evergreen shrub, with bright glossy leaves. Size, 2 to 3 feet. 50 cts. to \$1.00 each.

Box, Broad (*B. latifolia*). Large leaved, bushy and compact. Size, 2 to 2½ feet. 75 cents each.

Box, Golden (*B. aurea variegata*). Leaves edged yellow. 75 cts. each.

Burning Bush (*Euonymus Europeanus*). Covered with a profusion of scarlet and orange seed during autumn and winter. 50 cts. each.

Burning Bush, Dwarf (*Euonymus Europeanus nanus*). Bushy, compact, dark green foliage, held late in autumn. 50 cts. each.

Calycanthus, Sweet Shrub (*Calycanthus Floridus*). Flowers fragrant, like strawberries; double, and of a chocolate color.

Cornelian Cherry (*Cornus mascula*). Clusters of bright yellow flowers in early spring, followed in autumn with large scarlet berries; very acid, but good for cooking. 50 cts. each.

Cornelian Cherry, Variegated (*Cornus mascula variegata*). Leaves variegated with broad bands of yellowish white. Size, 3 feet. \$1.00 each.

Crataegus Pyracantha (*Evergreen Thorn*). A valuable plant for growing singly or for a hedge. Attractive, rich, glossy foliage; fragrant white flowers, succeeded by bright orange-red berries. 25 cts. each.

Crataegus Oxyacantha. The English Hawthorn. Pure white flowers, fragrant.

Daphne Mezereum. Flowers bright pink, delightfully fragrant; appearing very early in spring.

Deutzia Crenata. Bears a profusion of pink and white flowers; very pretty.

Deutzia (*Crenata flore plena*). Flowers double white, tinged with pink.

Deutzia Fortunei. Large pure white single flowers.

Deutzia Gracilis. A dwarf bush, covered with spikes of pure white flowers in early summer.

HARDY SHRUBS—Continued.

Deutzia, Rough Leaved (*D. scabra*). Strong growing; single white flowers produced in early summer.

Dogwood, Red Twigged (*Cornus sanguinea*). A strong growing bush, with crimson colored branches, making it an attractive object in winter.

Exochorda grandiflora. Finely shaped shrub, with a profusion of the most lovely pure white flowers; blooms in the spring. 50 cts., 75 cts. and \$1.00 each.

Filbert, Purple (*Corylus purpurea*). Leaves dark purple; very curious and attractive; contrasts beautifully with other foliage when planted in a group.

Forsythia, Golden Bell (*F. viridissima*). Produces bright yellow flowers in spring before the leaves appear.

Forsythia, Weeping (*F. suspensa*). Has long drooping branches.

Fringe, Purple or Smoke Tree (*Rhus cotinus*). Has very curious bloom, which when covered with dew, resembles a cloud of smoke or mist. 50 cts. each.

Fringe, White (*Chionanthus Virginica*). The bloom is very much like white fringe; one of the most pleasing ornaments for the lawn. 50 cts. each.

Globe Flower (*Kerria*, or *Corchorus Japonica*). Small shrubs, with abundant yellow flowers in early summer.

Hypericum, or St. John's Wort (*H. kalmianum*). Flowers bright yellow; blooms in midsummer.

Indigo Bush (*Amorpha fruticosa*). A fine shrub; bears long slender spikes of dark violet flowers; very pretty.

Japan Quince (*Pyrus Japonica*). A very showy and popular shrub, which blooms profusely in early spring; flowers dazzling scarlet. Makes an excellent and very showy hedge.

Judas Tree, or Red Bud Japan (*C. Japonica*). The flowers are a brilliant rose color, and borne in profusion. 3 to 5 feet; \$1.00 to \$1.50 each.

Laburnum (*Cytisus laburnum*). Long racemes of golden yellow flowers. In bloom June to July.

Lilac (*Syringa vulgaris*). Charles X. Large trusses of reddish purple flowers.

Lilac, Common (*Syringa vulgaris*). The common purple species; and one of the best.

Lilac, Common White (*S. vulgaris alba*). Flowers pure white; very fragrant; beautiful.

Lilac, French Red (*S. Rothomagensis*). A distinct variety, with reddish flowers of great size.

Lilac, Josika's (*S. Josikea*). Deep lilac flowers. A choice late blooming variety. 50 cts. each.

Lilac, Persian White (*S. Persica alba*). Slender growth, fine, beautiful white flowers.

Lonicera Tartarica. White Tartarian Honeysuckle. Fragrant pink and white flowers; upright growing.

Magnolia conspicua. Flowers large and pure white, and borne profusely. 4 to 6 feet; \$3.00 each.

Magnolia gracilis. Forms a bush 8 or 10 feet high; flowers dark purple. 3 to 5 feet; 60 cts. each.

Magnolia Norbertiana. Flowers 10 inches in diameter; upper side of petal white, under purple. 4 to 6 feet; \$1.50 each.

Magnolia purpurea. Dwarf; flowers bright purple; very profuse. 3 to 5 feet; 60 cts. each.

Magnolia soulangeana. Beautiful; flowers of large size, resembling Norbertiana. 4 to 6 feet; \$2.00 each.

Mock Orange (*Double flowered Syringa—Philadelphus fl. pl.*). Partially double white flowers; very fragrant.

Mock Orange, or Syringa (*Philadelphus*). Fragrant, pure white flowers.

Mock Orange, Dwarf (*P. nanus*). A dwarf compact variety; neat and pretty.

Mock Orange, Large Flowered (*P. grandiflora*). Showy; large flowers; slightly fragrant.

Privet, California (*L. ovalifolium*). Nearly evergreen. Bears white flowers in the early summer; one of the best hedge plants.

Prunus triloba. Double flowering plum. Flowers delicate pink, thickly set on slender branches.

Spirea ariafolia. Habit dense and bushy. Greenish white flowers in July.

Rhamnus frugula (*Buckthorn*). Flowers white. Small black fruit.

Ribes arvensis. Yellow flowering currant.

"sanguinea". Bears profusely deep red flowers early in spring.

Spirea Billardii. A strong growing, pink flowered, late blooming species.

Spirea callosa alba. Low dwarf growth; white flowers in mid-summer.

Spirea callosa rubra. Low dwarf growth; red flowers in July—August.

Spirea Douglasi. Rose colored, late flowering.

Spirea opulifolia aurea. Distinctly yellow, rich looking. One of the most effective.

Spirea prunifolia (*Bridal Wreath*). Flowers double, white and abundant; early blooming.

Spirea Reevesii. Covered in spring with an abundance of white flowers.

Spirea Reevesii flore plena. A double flowering form of the above.

Spirea Thunbergii. One of the most charming of all low-growing shrubs, with fine, delicate foliage and a profusion of small white flowers in spring.

Spirea Tomentosa. Tufts of pink flowers in mid-summer.

Snowberry (*Symphoricarpos racemosus*). Pink flowers in summer; large white, waxy berries in autumn.

Snowberry, (*Red or Indian Currant—S. glomeratus*). More compact form, with small red berries in autumn.

Tamarisk (*Tamarix tetandra*). Feathery foliage, small fringed, light pink flowers.

Viburnum Snowball (*Viburnum opulus sterilis*). Snowy white flowers, borne in large balls in early summer.

Viburnum, Japan Snowball (*V. plicatum*). A new variety which blooms more profusely and in more perfect balls. 75 cts. each.

Viburnum, Maple-Leaved (*V. acerifolium*). White flowers in summer; red berries in autumn.

Weigela candida. Pure white. This is the only white Weigela that is of any value, all the other sorts being poor growers or bearing pink flowers. 50 cts.

Weigela Desboisii. Beautiful deep rose colored flowers.

Weigela Grenewegenii. Rose colored flowers streaked dark red.

Weigela hortensis nivea. Pure white; constant bloomer. 50 cts. each.

Weigela Isoline. Flowers open white, and change to blush.

Weigela lutea. Pale yellow; blooms after the other varieties.

Weigela multiflora. Flowers pendulous, chocolate color with white stamens.

Weigela rosea. Fine colored flowers; one of the best.

Weigela Symondsii. Rose and white; distinct and beautiful.

HARDY GHENT AZALEA.

A magnificent class of hardy flowering plants, bearing large trusses of lovely, fragrant flowers. Their diversity of color and form should render them, even to a greater extent than at present, leading shrubs for outdoor purposes. Very dry situations are not suitable for this class. The soil should be prepared as per instructions for Rhododendrons. The collection offered is from the best European sources. \$1.25 each; \$12.00 per dozen.

HYDRANGEA PANICULATA GRANDIFLORA.

This is the finest hardy shrub in cultivation, and endures heat and cold extremely well. The flowers, which are borne in dense pyramidal panicles in the greatest profusion, are white when they first open, but gradually change to rose color, and remain in good condition for weeks. 25 cts. to \$1.00 each, according to size.

HEDGE PLANTS.

American Arborvitæ (*Evergreen*). 9 to 12 inches, \$8.00 per 100; 12 to 18 inches, \$10.00 per 100; 18 to 24 inches, \$15.00 per 100; 2 to 3 feet, \$25.00 per 100.

Cydonia Japonica (*Deciduous*). Bright scarlet flowering. Makes an excellent hedge. \$10.00 to \$12.00 per 100.

Hemlock Spruce (*Evergreen*). 1½ to 2 feet, \$25.00 per 100; 2 to 3 feet, \$40.00 per 100; 4 to 5 feet, \$75.00 per 100.

Osage Orange (*Deciduous*). Two years old, \$1.00 per 100, \$7.00 per 1,000.

Privet, California (*Deciduous*). Dark green foliage, bears trimming well. 1 to 2 feet, \$20.00 per 100.

Fruit Department.

While we exercise the greatest care to have all our trees and plants true to name, well grown, and packed in the best possible manner, and hold ourselves in readiness to replace all trees or plants that may accidentally prove untrue, it is mutually understood and agreed between the purchaser and ourselves that we disclaim any liability for results arising from defective planting or planting at improper seasons, or from subsequent faulty treatment and cultivation, and are not in any respect responsible for any loss or damage arising from any failure thereof.

APPLES.

The following are given as being the varieties best adapted to general cultivation in this latitude, in addition to which are many varieties not here described which have only a local reputation, or which succeed only in certain localities. The trees have made a thrifty, vigorous growth during the past season, and are furnished with a quantity of fibrous roots.

Size, 5½ to 7 feet. 50 cts. each; \$5.00 per doz. Selected specimens.

EARLY.

- Early Harvest.** Medium; straw color; flavor rich.
- Summer Hagloe.** Large; greenish yellow, with red cheeks; juicy; sub-acid.
- Early Strawberry.** Small; dark crimson; sub-acid.
- Sweet Bough.** Large; pale yellow; very sweet.
- Red Astrachan.** Large; bright crimson; rich, acid flavor.

SUMMER.

- American Summer Pearmain.** Medium; red, streaked with yellow.
- Maiden's Blush.** Large; pale yellow, with a beautiful blush cheek.
- Primate, or Belle Rose.** Medium size; white, with red cheek; good flavor.
- Tetofsky.** Medium; yellow, striped with red; firm, juicy.
- Townsend.** Large; yellow and red.

AUTUMN.

- Duchess of Oldenburg.** Medium; yellow, striped with red; rich and juicy.
- Fall Pippin.** Very large; rich yellow; sub-acid.

Gravenstein. Large; yellow, striped with red; juicy, and high flavored.

Jeffries. Medium; yellow, striped with red; mild sub-acid flavor.

Nyack Pippin. Very large; conical; yellow, with red cheek.

Orange Pippin. Large; yellow, with red cheek.

Porter. Large; bright yellow; fine sub-acid flavor.

Rambo. Medium; yellow, striped with red; pleasant flavor.

WINTER.

American Golden Russet (Sheepnose). Small; yellowish russet.

Baldwin. Large; deep red; sub-acid and high flavored.

Ben Davis (New York Pippin). Large; bright red, juicy, rich sub-acid.

Bellefleur (Bell Flower). Large; bright golden yellow.

Dominie. Medium; greenish yellow, striped with red.

Fallowater. Very large; greenish yellow, with dark blush cheek; sub-acid.

Fameuse (Snow Apple). Medium; deep crimson; flesh white.

Grimes' Golden Pippin. Medium; bright yellow; rich and spicy.

Hubbardson's Nonesuch. Large; yellow, striped with red; sweet.

King of Tompkins County. Large; yellowish red; rich; sub-acid.

Monmouth Pippin (Red Cheek Pippin). Large; greenish yellow, with red cheek.

Nero. Medium; dark red; sub-acid.

Red Romanite. Medium; dark red; crisp and sub-acid; a good keeper.

Roxbury Russet. Greenish yellow; covered russet; an excellent keeper.

Roman Stem. Medium; yellow, juicy; rich, acid flavor.

Smith's Cider. Large; red, marbled yellow; pleasant; sub-acid.

Smokehouse. Medium; yellow, shaded with red; firm, juicy.

Talman's Sweet. Medium; light yellow, with pale blush.

Tewkesbury Winter Blush. Small; yellow, with red cheek; firm, juicy.

Wine Sap. Medium; dark red; flesh yellow, rich and high flavored.

NEWER VARIETIES.

Price, 75 cts. each; \$7.50 per doz.

Pewaukee. Medium round; bright yellow, striped with dark red; tender and juicy, sub-acid; good quality; a good winter variety.

Red Bietigheimer. Ripening in early fall, large size; light yellow, nearly covered with red.

Wealthy. Medium; yellow, shaded with crimson; tender, juicy, sub-acid; a hardy and vigorous winter variety.

White Carver. Medium to large; bright yellow; agreeable sub-acid flavor; good and regular bearer; a valuable summer variety.

Yellow Transparent. A new Russian variety; clear white skin, changing to a beautiful yellow when fully ripe; of good quality, and for an early apple a good keeper; ripens from ten days to two weeks before the Early Harvest.

CRAB APPLES.

Price, 50 cts. each; \$5.00 per doz.

Chicago. Small; yellow, with vermilion cheek; ripens late and keeps till midwinter.

Hyslop. Large; dark red, sprightly sub-acid; excellent for cooking.

Lady Elgin. Small, fair and handsome; very tender and good to eat uncooked.

Marengo. Large; bright red on yellow ground; a good keeper.

Yellow Siberian. Large; fine rich yellow.

STANDARD PEARS.

Standard Pears, although probably succeeding best on a strong loam, can be grown in almost any good soil, with same treatment as Apples.

Size, 5 to 6 feet. Price, 75 cts. each; \$8.00 per doz.

Size, 6 to 7 feet, \$1.00 each; \$10.00 per doz. Selected specimens.

SUMMER VARIETIES.

Bartlett. Large; yellow; juicy, fine grained, and of good flavor.

Beurre Gifford. Medium; pale yellowish green, with red cheek; juicy, sweet; of good flavor.

Brandywine. Large; russet yellow, red cheek; sweet, juicy and melting.

Clapp's Favorite. Large; pale yellow, with crimson cheek; juicy.

Doyenne D'Ete. Small; nearly round; yellow, with red cheek; juicy and sweet.

Le Conte. A new variety; large; bell shaped; bright yellow; vigorous.

Manning's Elizabeth. Small; yellow, with bright red cheek; sweet and sprightly.

Osband's Summer. Small; yellow, with brown cheek; melting and sugary.

AUTUMN VARIETIES.

Belle Lucrative. Medium; pale yellowish green; very juicy.

Beurre D'Anjou. Large; russet yellow; very juicy, sprightly, vinous flavor.

Buffum. Medium; yellow, shaded with red.

Doyenne Boussock. Large; bright yellow, with russet cheek.

Flemish Beauty. Large; pale yellow, with a dull blush; juicy and sprightly.

Seckel. Small; bright russet; juicy and high flavored.

Sheldon. Medium; bright russet; sweet and aromatic.

WINTER VARIETIES.

Duchess de Bordeaux. Medium; yellow, with russet cheek; an excellent market variety.

Lawrence. Medium; pale yellow.

Mount Vernon. Medium; russet, on a yellow ground.

DWARF PEARS.

Dwarf Pears require thorough cultivation and great care to grow them to perfection, but are desirable in small yards, or where there is but little room.

75 cts. each; \$8.00 per doz.

Bartlett. For description, see Standards.

Buffum. For description, see Standards.

Doyenne D'Ete. For description, see Standards.

Duchess D'Angouleme. Very large; dull yellow, rich, juicy, buttery, and of good quality; vigorous and productive; the best dwarf. (Autumn and early winter.)

Howell. Large; yellow, with red cheek and russet dots; juicy and melting, with vinous flavor. (Autumn.)

Kieffer. Hardy, productive, good flavored. (Winter.)

Louise Bonne de Jersey. Large, beautiful dull russet; juicy, melting, delicious; one of the best dwarf pears. (Autumn.)

Mount Vernon. For description, see Standards.

Rutter. Large; greenish yellow, slightly covered with russet; juicy, melting, slightly vinous; of good quality, and a desirable winter variety.

CHERRIES.

Cherries succeed best on moderately rich, light, loamy, or sandy soil. Many of the free growing varieties, of pyramidal form and dark, rich foliage, are very ornamental.

75 cts. each; \$8.00 per doz., selected.

Black Tartarian. Large; juicy, and excellent; early and productive

Coe's Transparent. Pale amber, mottled with red; one of the best early.

Downer's Late Red. Light red; sweet and luscious; late.

Early Richmond. Medium; acid; very early; profitable market variety. 50 cts. each; \$5.00 per doz.

Elton. Large; pale yellow, spotted with red; early.

English Morello. Large; acid; one of the best for cooking; productive; late.

Governor Wood. Large; pale yellow, shaded red; sweet, rich, and delicious; productive; one of the best.

May Duke. Dark red; an early, acid, juicy, well tried variety.

Napoleon Bigarreau. Large; white, with red cheek; excellent.

Rockport Bigarreau. Large; pale amber, marbled with red; productive.

Yellow Spanish Bigarreau. Large; nearly white, with a faint blush; firm, rich and delicious.

PLUMS.

The Plum will succeed on any soil that is sufficiently well drained, though a rich loam, inclined to clay, produces the most vigorous growth.

5 to 6 feet, 75 cts. each; \$7.50 per doz.

Coe's Golden Drop. Large; pale yellow, with red spots; late.

General Hand. Large; golden yellow; sweet; productive.

Imperial Gage. Medium; pale green, shaded yellow; juicy, rich, and productive.

Lombard. Medium; purple; juicy and vigorous.

Monroe. Medium; greenish yellow; firm, rich, and pleasant.

McLaughlin. Large; yellow, dotted with red.

Pond's Seedling. Large; yellow; vigorous and abundant bearer.

Richland. Small; light purple; excellent for cooking.

Reine Claude. Large; pale yellow; juicy and melting; fruit hangs well; a great bearer.

Smith's Orleans. Large; reddish purple; rich and sprightly; vigorous.

Washington. Very large; clear yellow, marbled with red.

Weaver. Large; purple; a regular bearer.

Wild Goose. Medium; bright red; juicy, sweet, and of good quality; early.

Yellow Egg. Large; deep yellow; productive and popular.

Yellow Gage. Medium; golden yellow; rich, sweet, and melting.

PEACHES.

Peaches do best on warm, light, moderately rich soil. The trees should branch low, not having more than 3 or 4 feet of trunk. Trees should grow broad rather than high, to facilitate gathering fruit.

4 to 5½ feet, 25 cts. each; \$2.50 per doz., selected.

Alexander. Large; fine flavored and early.

Amsden's June. Large, beautiful, and of good quality.

One of the best extra early Peaches.

Bilyeu's Late October. Large; white, with bright red cheek; a good shipper; very late.

Brandywine. Large; yellow; freestone.

Crawford's Early. A magnificent yellow fleshed Peach; tree regular bearer; fruit of large size, and highly colored.

Crawford's Late. Large; yellow, with red cheek.

Downing. Fruit medium; greenish white, mottled red; flesh white, juicy and sweet.

Early Louise. Medium; bright red; melting, juicy and excellent.

Early Rivers. Large; pale yellow; melting and rich; ripens about two weeks before Crawford's Early.

Foster. Yellow freestone; large; round; good quality.

Hale's Early. Medium; white, with a deep red cheek; flesh white, juicy and agreeable.

Heath Cling. Large; creamy white, with slight blush; rich, juicy and melting; valuable for preserving.

Large Early York. The best of its season; large; white and red; juicy, rich and excellent.

Late Rareripe. Large; pale yellow and red; melting, juicy and rich.

Morris White. Large; white freestone; prized for canning or preserving; a moderate bearer.

Mountain Rose. Early; large; red; flesh white; rich flavor.

Old Mixon Free. Large; sprightly flavor, and bright, handsome color.

Reeves' Favorite. Large; yellow, red cheek; good vinous flavor.

Smock. Medium; yellow, with red cheek; rich and pleasant flavor.

Stump the World. Very large; white, with red cheek; highly flavored; very productive.

Ward's Late Free. Large; white, with red cheek; luscious; late.

Wildor. Large; flesh juicy and rich; vigorous grower.

Waterloo. Medium to large; whitish green in shade, red in the sun; a Peach of great promise; ripens very early.

Wager. Large; yellow, with red cheek; yellow flesh; juicy; fine flavor; valuable for canning.

Yellow Rareripe. Large; orange, red cheek; juicy and melting; pleasant vinous flavor.

APRICOTS.

Plant on a Northern exposure, that the buds may not start early, and be injured by the late frosts. Heavy soil preferable. Prune moderately every spring.

50 cts. each; \$5.00 per doz.

Breda. Small; rich orange color; juicy and high flavored.

Early Golden. Small; pale yellow; flesh yellow, juicy and sweet; productive and hardy.

Peach. Large; deep orange; rich; high flavored.

MULBERRIES.

Valuable on account of its fruit, which is highly esteemed by some, and for its habit of growth, which renders it a desirable shade tree. It is desirable also for the successful growth of the silk worm.

Downing's Everbearing. Fruit large; blue black; juicy, rich, sugary, with a sprightly vinous flavor.

Tree vigorous and productive, continuing in bearing for about three months. A large and desirable shade tree. 4 to 5 feet, 50 to 75 cts. each.

Russian. A rapid grower; specimens 6 years old measuring 20 feet in height and 6 or 8 inches in diameter; they are productive and early bearers; fruit is desirable for dessert or jellies; foliage suitable for silk worms. 4 feet, 25 cts. each; \$2.50 per doz.

White (Morus Alba). Fruit small; nearly white; of inferior quality; tree of rapid growth; cultivated chiefly for food for the silk worm, for which purpose it is valuable. 2 to 3 feet, 25 cts. each; \$2.50 per doz.; 5 to 6 feet, 50 cts. each.

NECTARINES.

A smooth skinned fruit which resembles the peach. Plant on light soil and prune the young growth thoroughly every year.

50 cts. each; \$5.00 per doz.

Downton. Large; pale green, with deep red cheek.

Hardwick. Large; pale yellowish green.

New White. Medium; greenish white, with red cheek.

QUINCES.

Quinces require a deep, rich soil. On account of roots being very near the surface, the ground should be kept well worked and free from grass and sod. Make frequent and thorough search for borers. Do not prune much, but carefully remove the old and decayed wood.

MEECH'S PROLIFIC QUINCE.

Champion. This variety is no longer looked upon as a doubtful acquisition, but its merits are acknowledged by all who have fruited it. It is of upright, symmetrical growth, producing a small, attractive tree. Fruit exceedingly large, pear shaped; bright, handsome yellow, vigorous, hardy and productive. Two years, 3 to 5 feet, well branched. 75 cts. each.

Meech's Prolific. A strong, vigorous grower; immensely productive; fruit uniformly of large size and of very handsome appearance; ripens later than the Orange Quince, from which it also differs in form and shape. It cooks tender and entirely free from hard lumps; unsurpassed for making jelly. One year, 75 cts. each. 2 years, \$1.50 each.

Orange, or Apple. Large; rich golden yellow; firm; productive and desirable for market. 3 to 4 feet, well branched, 50 cts. each.

BLACKBERRIES.

Plant in good soil, in rows 5 or 6 feet apart, and 3 or 4 feet apart in the row. After the fruiting season, or in early spring, cut out all the dead wood. Blackberries should be planted early, before the buds start. A good top dressing of stable manure, applied annually, will be conducive to large crops. Keep the ground clean.

Erie. This is a new berry of great promise, on account of ripening its entire crop at once and early. Berries medium or large size, black when ripe, firm, sweet, and of good quality. 50 cts. each; \$4.00 per doz.

Early Harvest. The berry is of fair size (not large); long form; a splendid shipper and of good quality. Early, hardy and excessively prolific. \$1.50 per doz.; \$8.00 per 100.

Dorchester. Yields fine crops of fruit. Large size; long, glossy, black; of good flavor. \$1.00 per doz.; \$4.00 per 100.

BLACKBERRIES—Continued.

BLACKBERRY.

Kittatinny. Large; juicy, sweet and excellent; hardy and productive. Considered the best and most profitable late berry. \$1.00 per doz.; \$4.00 per 100.

Wilson's Early. A well known and desirable variety, though not considered entirely hardy north of Philadelphia; ripens early, and commands a high price in market. 75 cts. per doz.; \$4.00 per 100.

Wilson Junior. A seedling of Wilson's Early, of large size, unsurpassed productiveness, fine flavor, and early. The largest and best early Blackberry yet introduced. 15 cts. each; \$1.00 per doz.; \$6.00 per 100.

Lawton (New Rochelle). An old variety, once very popular. 75 cts. per doz.; \$4.00 per 100.

Snyder. Berries medium, but of excellent quality; hardy; of strong growth and enormously productive; ripens early. \$1.00 per doz.; \$4.00 per 100.

RASPBERRIES.

RASPBERRIES.

Plant in rows 5 or 6 feet apart, 2 to 4 feet apart in the row. Cut the tops off within a few inches of the ground when planted. After the fruiting season, early in the spring, cut out all the old wood which bore the last crop of fruit. Pinch the vigorous young shoots several times during the summer; they will then grow stout enough to stand without stakes.

Brandywine. Large; bright red; hardy and productive; an old variety, extensively grown for market. 75 cts. per doz.; \$3.00 per 100.

Caroline. Large; orange yellow; of luscious flavor; a strong grower; prolific and entirely hardy; excellent for home use. \$1.50 per doz.; \$8.00 per 100.

Cuthbert, or Queen of the Market. Large; firm; deep, rich crimson; of excellent quality; tall, strong and vigorous; perfectly hardy, and very productive; succeeds well in almost all localities; ripens medium to late. \$1.00 per doz.; \$4.00 per 100.

Hansell. Medium; bright crimson; very firm, rich, and of good quality; very early, ripening ten days in advance of Brandywine; desirable for market or home culture. \$2.00 per doz.; \$8.00 per 100.

Golden Queen. Berries large golden yellow, bright and firm, and of fine, rich flavor; vigorous, productive and healthy. 40 cts. each; \$4.00 per doz.

Philadelphia. Dark crimson; a variety grown for market, on account of its hardness and productiveness. 75 cts. per doz.; \$4.00 per 100.

Gregg. A large black variety; fruit firm, of excellent quality and a good shipper. \$1.50 per dozen; \$8.00 per 100.

Shaeffer's Colossal. An immense raspberry in point of fruit, cane and productiveness; dark color, and late. Agreeable, sub-acid flavor; of special value for canning or preserving. \$1.00 per doz.; \$5.00 per 100.

Superb. A most delicious berry; enormously productive; fruit dark scarlet, and of largest size; plant very hardy. As early as most red raspberries, and continues to bear till late. \$2.50 per doz.; \$10.00 per 100.

Turner, or Southern Thornless. Medium size; bright color; sweet and rich, hardy, and exceedingly productive. 75 cts. per doz.; \$3.00 per 100.

INDUSTRY GOOSEBERRY.

INDUSTRY GOOSEBERRY.

A Gooseberry possessing desirable qualities for table and market has long been a desideratum. The best American varieties have failed to satisfy the requirements, being too small and of poor flavor. The foreign varieties, wherever tried, have either mildewed more or less, or they have made an unsatisfactory growth. Hence a large, handsome sort of good quality has been much sought after. We take pleasure in submitting to the public a variety which we think destined to revolutionize gooseberry culture in this country. Although a foreign sort, it has done admirably for three seasons, being a vigorous grower and an immense yielder, and showing no signs of mildew. The annexed illustration shows the size of the fruit. We confidently recommend it for the garden and market, being unequalled for size, flavor, productiveness and vigorous growth. Color dark red.

25 cts. each; 5 for \$1.00; 12 for \$2.00.

GOOSEBERRIES.

Treatment same as for Currants.

2 year, \$2.00 per doz.; \$12.00 per 100, except where noted.

Cluster, or American Seedling. Medium; of good quality; productive and hardy.

Downing. Large; pale green; soft, juicy, and good for family use.

Houghton's Seedling. Medium; pale red; vigorous. \$1.50 per doz.; \$9.00 per 100.

Hudson. A new variety; of large size, and red color. 75 cts. each; \$8.00 per doz.

Smith's Improved. Large; pale green; productive bearer; good for family use or for market.

English Varieties. 25 cts. each; \$2.50 per doz.

Add 25 cts. per doz., when ordered to be sent by mail.

CURRENTS.

Currants and Gooseberries should be planted on good soil, which must be kept rich and well worked. Few fruits will so thoroughly repay good and proper treatment. Trim out the old wood as soon as it begins to decline, and shorten all the young shoots, to keep the bushes in good shape. Sprinkle ashes around the roots occasionally, to keep the borers away. The currant worm may be destroyed by sprinkling the bushes with powdered white hellebore while they are wet with dew. This powder is poisonous, and, where it has been applied, the fruit should not be used without first being washed.

Black Naples. Vigorous and productive; used for jelly and jams, and highly profitable for market in some sections. 2 years, \$1.50 per doz.; \$8.00 per 100.

Cherry. Fruit large, bunch small; deep red; acid. 2 years (very fine), \$1.50 per doz.; \$8.00 per 100.

Fay's Prolific. Too much can scarcely be said in favor of this most valuable fruit. Color rich red; as compared with the Cherry currant, Fay's Prolific is equal in size, better in flavor, contains less acid, and five times as prolific; and from its long, peculiar stem, less expensive to pick. 1 year, 20 cts. each; \$2.00 per doz. 2 years, 25 cts. each; \$2.50 per doz.

La Versailles. A popular, old variety; bunches large; berries large, bright crimson; fine, vigorous and productive. 2 years very fine, \$1.50 per doz.; \$8.00 per 100.

Lee's Prolific. A new black variety; about ten days earlier than Black Naples, with large berries; larger, longer bunches, and even more productive than that prolific variety. 2 years, \$2.00 per doz.

Red Dutch. Medium size; in large bunches; the old and well-known Currant of the garden; a profitable market variety. 2 years, \$1.50 per doz.; \$8.00 per 100.

Victoria. Bunches extremely long; berries medium; brilliant red, and of excellent quality; good grower and profuse bearer; a valuable late variety. 2 years very fine, \$1.50 per doz.; \$8.00 per 100.

White Grape. The best white variety; large, sweet and good; best for the table; a good bearer. 2 years very fine, \$1.50 per doz.; \$8.00 per 100.

PRINCE OF BERRIES.

STRAWBERRIES.

To cultivate the Strawberry for family use, we recommend planting in beds 4 feet wide, with an alley 2 feet wide between each bed. These beds will accommodate 3 rows of plants, which may stand 15 inches apart each way, and the outside row 9 inches from the alley. The beds can be kept clean easier and the fruit gathered without setting the feet upon them. The ground should be well prepared by trenching or ploughing at least 10 or 12 inches deep, and be enriched with well-rotted manure, ground bone, wood ashes, or any good fertilizer. When the ground freezes in the early winter, cover the entire bed with salt meadow hay to the depth of 1 or 2 inches. If this cannot be had, use straw, which is improved by being cut; corn-stalks, long manure, leaves, shavings, or other material that will not pack and smother the plant, will answer the purpose. In the early spring remove part of the covering, and place as much as possible under the foliage of the plants to keep the fruit clean and the weeds from growing.

STRAWBERRIES—POT-GROWN.

Potted plants appear expensive, yet when the labor necessary to grow them into proper condition and the time saved in the result of the crop are considered, they will be found much cheaper than ordinary layer plants; besides there is absolutely no loss in their removal and a crop can be taken from the ground, such as Peas, Beans, Lettuce, Radishes or other early summer vegetables, before the time of planting, and a crop of fruit secured in 10 months after planting.

Prices quoted in this catalogue are for layer plants grown in the regular way. Pot-grown plants will be ready for delivery after August 1st. Orders booked for plants to be grown especially, which insures the delivery of plants in the best possible condition. Prices for pot-grown plants are from \$2.50 to \$4.00 per 100, according to variety.

BIDWELL.

MOUNT VERNON.

Atlantic. Attractive, glossy color, possessing great keeping qualities. A productive late variety. 75 cts. per doz.; \$4.00 per 100; \$24.00 per 1,000.

Bidwell. Fine flavor; bright crimson; firm; medium early, and large; hardy and productive. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.

Belmont. The berry is large, crimson in color, oblong in shape, very solid and sweet, and of extra flavor and quality. Its texture is exceedingly fine; no hard spots; it colors evenly and perfectly. \$4.00 per 100.

Crescent Seedling. Very productive; profitable for a near market; medium size. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.

PARRY.

STRAWBERRIES—Continued.

- Charles Downing.** Flavor good; medium size; valuable for home or near market. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Crimson Cluster.** Berry very large and of a rich crimson color. Many plants average fully a quart to a plant. The plant is vigorous, and the berries are carried high in large and profuse clusters. \$1.00 per doz.; \$6.00 per 100.
- Cluster of Bomba.** A strong grower; fruit large size, firm; a good shipper; rich crimson, flesh dark red; ripens very early. \$1.50 per doz.; \$12.00 per 100.
- Cumberland Triumph.** Large, light red; regular in form and size, and of fine quality. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Daniel Boone.** Very large, conical with slight neck; clear red; firm and of good quality. 75 cts. per doz.; \$1.50 per 100; \$10.00 per 1,000.
- Glendale.** Large; firm; attractive color; rather acid; a prolific bearer. A profitable late variety. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Henderson.** Firm, solid flesh, of exquisite flavor, color deep crimson; of large size, good form and productive. Berries are borne on strong stalks well above the ground. A valuable berry for family use or market. \$4.00 per 100.
- Jewell.** Season medium; berry very solid and firm, of a bright red color, changing to crimson when very ripe. Of better color, more vigorous and productive than the Sharpless. \$4.00 per 100.
- Jersey Queen.** Bright crimson color; very firm; sweet and of large size. An attractive berry and very prolific. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Kentucky.** An old and well tried variety; of fair size and good flavor; a regular bearer. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Lenning's White.** The best white variety. It is highly perfumed and of exquisite quality. \$1.00 per doz.; \$5.00 per 100.
- Longfellow.** Large; deep crimson; very firm, highly flavored and sweet; a good bearer, and specially desirable for home use. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Manchester.** Large size; bright color; firm; of best flavor. Vigorous and remarkably productive. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Monarch of the West.** Very large, globular, and of fine flavor. Plant strong, vigorous and productive. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Mount Vernon, or Kirkwood.** Large; light scarlet; fine flavor; a desirable variety for home cultivation. Season late to very late. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Mrs. Garfield.** Large size; bright scarlet color; rich sweet flavor; very productive; ripens early. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Parry.** A new variety of great promise; a rank, vigorous grower; very productive; fruit stalks large and stocky. Berries large; uniform; bright crimson color. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Prince of Berries.** Large size; beautiful, brilliant color; fine, firm texture; very fine flavor, resembling,

STRAWBERRIES—Continued.

- in a remarkable degree, that of the wild strawberry. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Seth Boyden (No. 30).** Large; bright crimson; juicy, rich, firm and good; one of the well tried and popular standard varieties. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Sharpless.** Very large; clear red; firm, sweet and of good quality; somewhat irregular; a vigorous grower. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.
- Wilson's Albany.** A once popular variety which is now largely superseded by those of recent introduction. 50 cts. per doz.; \$1.50 per 100; \$6.00 per 1,000.

HARDY GRAPES.

Grapes will flourish and bear abundantly on almost any good, dry soil, especially if the vines are trained against a building. We would emphatically urge all farmers, and others who have barns or buildings, to plant grapevines about them. Many varieties will do well when thus supported and protected, where they are worthless grown on arbors. Nor is it necessary for persons to conclude, because some of the more tender varieties will not grow with them, that they cannot have grapes, because there are kinds adapted to almost every locality, that may be grown on a very cheap and simple arbor, or even on single poles or stakes.

- Agawam (Rogers' No. 15).** Large; dark red; sweet, sprightly, pleasant aromatic flavor; vigorous and productive.
- Bacchus.** An excellent black grape; fine flavor and attractive appearance; bunch large. 75 cts. each.
- Brighton.** In color and form it resembles the Catawba, combining its sprightliness with the richness of the Delaware; vines vigorous, hardy and productive; early.
- Catawba.** A very late keeper; red, sweet and rich, with pleasant musky flavor. Does best against buildings.
- Champion, or Talman.** Bunch compact, medium to large. Berries large and black. Vine a strong, vigorous grower; healthy, hardy and productive.
- Clinton.** Small; black. The fruit does not get fully ripe until after frost; it is then very sweet.
- Creveling.** Black; bunch and berry medium; vine healthy and productive. Ripens with Concord.
- Concord.** Popular; one of the most profitable and productive of all hardy grapes. Bunch and berry large; black, juicy and sweet; early; hardy.
- Delaware.** Small; light red; skin thin; very juicy, sweet, sprightly, fine flavor. Requires a rich soil and situation on the south side of a building, to succeed well.
- Diana.** Medium; pale red; sweet, rich and aromatic; late; hardy. Productive when trained against a building.
- Iona.** Medium; pale red; sweet and sprightly; vigorous and productive.
- Lindley (Rogers' No. 9).** Red; juicy, sweet and slightly foxy; resembles the Catawba.
- Martha (White Concord).** Large; pale yellow; strongly resembles the Concord in all points except color; hardy and vigorous.
- Merrimac (Rogers' No. 19).** Large; black; juicy, sweet and good; generally reliable.
- Moore's Early.** Ripens 10 days earlier than Concord; bunch and berry round and large; black, with a heavy blue bloom; good quality.
- Salem (Rogers' No. 22).** Large; bright reddish brown; fine, rich, aromatic flavor.
- Telegraph.** Large; black; juicy; sweet, agreeable flavor; early and hardy.
- White Lady.** Bunch compact and of good size; berry yellowish green; flavor sweet, rich and sprightly.
- Wilder (Rogers' No. 4).** One of the best of Rogers' seedlings; bunch and berry large; black, with a slight bloom; pulp tender, juicy, sweet and rich; vigorous and productive; ripens with Concord.
- Worden.** A few days earlier than Concord; a larger berry, and a larger and more compact bunch, of black color; hardy and healthy; of fine quality and very desirable.

Strong selected 2 year vines, 25 cts. each; \$2.50 per doz.

NEWER VARIETIES OF HARDY GRAPES.

Duchess. Medium size; greenish white; flesh tender; juicy, sweet, rich, spicy; excellent quality. Medium to large size; compact bunch. Vine a strong, vigorous grower, very productive and hardy; ripens with Concord. 2 year, 50 cts. each; \$5.00 per doz.

El Dorado. A very beautiful grape; clear, golden yellow; bunch and berry large; flesh tender, juicy, rich, and of best flavor; vine healthy and vigorous; ripens a week or ten days before Concord. 2 years, 50 cts.

Excelsior. Vine moderately vigorous; bunch large to very large; shouldered; moderately compact; berry medium to large; roundish; flesh meaty, tender, rich and sweet, with a fine aromatic flavor; ripens late. 2 years, 50 cts.

Jefferson. Vine very vigorous, hardy and productive; bunch very large, often double shouldered, very compact; berries large, roundish oval; light red; juicy, sweet, slightly vinous. 2 years, 50 cts.

Jessica. A new white grape, resembling the Champion in many respects, though of better quality; remarkably early. 2 years, 50 cts. each.

Lady Washington. Vine healthy and vigorous; bunch large and compact; berry large; beautiful pale yellow, tinged with pink where exposed to the sun; flesh soft, tender, juicy, sweet and of good quality; ripens a few days after Concord. 2 years, 50 cts.

Naomi. Berry clear, attractive rose color, with thin skin and good flavor; bunch large; vine vigorous and healthy. 2 years, 50 cts.

Empire State. White, fine flavored and productive. Vine vigorous and hardy. 2 years, 50 cts.

Niagara. Vine remarkably hardy and strong grower; bunches very large and very compact; sometimes shouldered; uniform; berries large, or larger than Concord; light greenish white, semi-transparent, slightly ambered in the sun; skin thin, but tough and does not crack; quality good; has a flavor and aroma peculiarly its own. 1 year, 50 cts.; 2 years, \$1.00 each.

Pocklington. A seedling of the Concord, resembling that variety in leaf, vine, habit of growth, hardiness and productiveness. Bunch and berry very large; attractive golden yellow color; ripens with Concord. 2 years, 50 cts. each.

Prentiss. Bunch large and compact; berry medium to large, of yellowish green color; skin thin, but very firm; sweet, juicy, with a pleasant musky aroma. Vine a good grower, very hardy and productive; inclined to overbear; ripens with the Concord; a remarkably good keeper. 2 years, 50 cts. each; \$7.50 per doz.

Vergennes. Bunch and berry large, of chocolate color; ripens early, and keeps until midwinter. 2 years, 50 cts. each.

Wyoming. A decidedly fine, early, red grape; bunch and berry double the size of the Delaware, of same color, and resembles it in flavor; ripens 10 days before the Concord. 2 years, 50 cts. each.

FOREIGN GRAPE VINES FOR GROWING UNDER GLASS.

The following list comprises only the best varieties for general use. The vines are all of the best quality, extra fine and strong. The varieties marked with an asterisk (*) require warm vineries.

Black Hamburg.

* " **Barbarossa.**

" **Prince.**

* **Bowood Muscat.**

Buckland's Sweetwater. Yellow.

Chasselas de Fontainebleau. Yellow.

* **Duchess of Buccleugh.** Yellow.

* **Gros Colman.** Black.

Early Dawn. Vine healthy, vigorous and very productive; bunch medium to large; berry medium; black; skin thin but firm; flesh tender, juicy, sweet, rich and of very good quality; a valuable early grape. 2 years, 50 cts. each.

MOORE'S EARLY.

Golden Hamburg.

* **Grizzly Frontignac.** Black.

* **Lady Downs.** Black.

* **Muscat of Alexandria.** Yellow.

Muscat Hamburg. Black.

* **Royal Ascot.** Black.

Trentham Black.

White Frontignac.

1 year old, \$1.00 each; 2 years old, \$2.00 each.

BIRD SEEDS AND POULTRY SUPPLIES.

The Bird Seeds we offer have all been re-cleaned, and are of the very best quality, free from must and other impurities that are injurious to the health of birds. Remit for postage 8 cts. per lb., 25 cts. per qt.

Mixed Bird Seed. For Canaries, etc. Qt. 20 cts.

Canary (*Phalaris canariensis*). Sicily, for Canaries. Qt. 20 cts.

Hemp (*Cannabis sativa*). Russian, for Parrots, etc. Qt. 15 cts.

Millet (*Panicum miliaceum*). American, for Canaries, Sparrows, etc. Qt. 15 cts.

Rape (*Brassica napus*). English, or Winter, for Canaries, Linnets, etc. Qt. 25 cts.

Rape (*Brassica napus*). German, or Summer, for Canaries, Linnets, etc. Qt. 25 cts.

Rough Rice (*Oryza sativa*). Unhulled, for Java Sparrows, etc. Qt. 25 cts.

Wild Rice (*Zizania aquatica*). For sowing in marshy places; it produces an abundance of seed which is greedily eaten by wild fowl. Lb. 25 cts. Postpaid 40 cts.

Maw Seed (*Papaver rhæas*). For young and sick birds during moulting. Oz. 10 cts., lb. 25 cts.

Bird Lettuce Seed (*Lactuca sativa*). For young, sick, and moulting birds. Oz. 10 cts., lb. 60 cts.

Cuttle Fish Bone. For birds to pick at, and sharpen their bills, etc. Oz. 10 cts., lb. 60 cts.

Mocking Bird Food. Prepared expressly for soft-billed birds. (By mail 65 cts. per bottle.) Per doz. bottles, \$3.50; bottle, 40 cts.

POULTRY FOOD.

Imperial. Very useful for making hens lay winter and summer; it supports them during moulting, and keeps the fowls in the best condition. It is estimated that one-half of the chickens and turkeys hatched annually die before reaching maturity. It supplies all the needed material for forming bones, muscles and feathers; it strengthens the digestive organs and makes the fowls healthy and more profitable. 1 lb. pkg. 50 cts., by mail 65 cts.; 2½ lb. pkg. \$1.00, by mail \$1.40; 6 lb. pkg. by express \$2.00; 25 lb. keg by express \$6.50.

Pratt's Food. Will make hens lay all the year, and is excellent for feeding to young chicks. For large fowl, mix 1 ounce with the food for 15 or 20. For 15 or 20 chicks, give ½ ounce every other day. 1½ lb. package, 25 cts.; 5 lb. package, 60 cts.

Royal. Supplies the needed material for strengthening the digestive organs, and making vigorous, healthy and profitable fowls. For 15 to 20 fowls stir in

their food about two tablespoonfuls mixed with a little water, and feed every day. For Young Chicks and Turkeys mix half the quantity and feed every other day.

8½ cts. per lb. in 10 lb. bag; or 2 lb. pkg. 20 cts.

Prepared Oyster Shells for Poultry. Manufactured from shells in a pure condition. The lime contained in the shells assists in the formation of the egg, and contributes to the general health of the fowls. A handful to five fowls daily will be found valuable at all seasons of the year. Five lbs. 20 cts., 25 lbs. 65 cts., 50 lbs. \$1.00, 100 lbs. \$2.00, bbl., 350 lbs., \$4.00.

Coarse Ground Bone. The use of ground bone is rapidly extending among poultry raisers; it tends to keep the fowls in good health and materially aids laying hens. 5 lb. pkg. 25 cts.; 200 lb. bag \$5.00.

SUNDRIES.

Bird Boxes. For nailing to walls or hanging in trees. 35 to 50 cts. each.

Portable Fountains. For poultry. Cannot be overturned and avoids the drowning of young chickens. 50 cts., 75 cts., and \$1.00 each.

Canary Bird Powder, or Song Restorer. An invigorating tonic and restorative for Canaries, Goldfinches, Linnets, and all seed-eating birds. This preparation will in every case restore their natural notes to birds that have lost their song from cold or moulting. (By mail 30 cts.) Per box, 25 cts.

Bird Lice Destroyer. Non-poisonous, simple, and effective. Put up in Bellows Boxes, which facilitate its application. (By mail, 30 cts.) Per box, 25 cts.

Medicated Nest Eggs. Each 5 cts., per doz. 50 cts.; by mail 10 cts.; per doz. 85 cts.

Porcelain Nest Eggs. Each 5 cts., per doz. 50 cts.; by mail 10 cts.; per doz. 75 cts.

White Bird Sand. Washed and prepared for birds. Qt. 5 cts. (Not mailable.)

Red Bird Sand. Washed and prepared for birds. Qt. 5 cts. (Not mailable.)

Hand Bone and Oyster Shell Mill.

No. 1, without legs, \$5.00.

No. 1, with legs, \$7.00.

Ricketson's Weeding Tongs.

An excellent tool for removing Docks, Daisies, etc., from lawns. \$1.50.

WOODEN LAWN RAKES.

These we consider the best patterns, and the most useful Lawn Rake made.

Lawn King.	22 teeth.....	40 cts.
" "	26 ".....	50 "
Automatic.	22 ".....	60 "
" "	26 ".....	70 "

GARDEN AND FARM IMPLEMENTS

Of leading English and American manufacture, made from best material and newest patterns.

CUT.		EACH	CUT.		EACH
	Axe , handled, medium.....	\$1.25	20	Plow , Bateman's Hand.....	\$1.25
	" Small.....	1.00	51	Rakes , Solid Steel Garden or Gravel, short	
	Bellows , Atomizer for liquid or powder....	2.00		teeth, 14 teeth, 55 cts.; 16 teeth, 65 cts.;	
	Syringe, for liquid.....	3.00		18 teeth.....	.75
33	Bill Hook	1.50	51	Solid Steel Garden, 6 teeth, 35 cts.; 8 teeth,	
	Brush Hook , handled.....	1.50		40 cts.; 10 teeth, 45 cts.; 12 teeth, 50 cts.,	
	Bull Lead , Lytle.....	.75		14 teeth, 55 cts.; 16 teeth.....	.60
	Crowbars , Steel, 12 to 20 lbs.....Per lb.	.08		Wrought Iron Garden, 12 teeth, 70 cts.;	
45	Dibble , Improved.....	.75		14 teeth, 80 cts.; 16 teeth.....	.90
17	Dock Extractor , or Lifter.....	2.00	54	Bow, 11 teeth, 50 cts.; 13 teeth, 65 cts.;	
21	Daisy Grub , or Lifter, Small, 75 cts., Large	1.25		15 teeth.....	.75
29	Fruit and Flower Gatherer , English,		25	Davis' Lawn.....	.60
	Small, \$1.00; Medium, \$1.50; Large.....	2.00	36	English Lawn, 20 teeth.....	3.50
	Fruit and Flower Gatherer , American,			English Lawn, 24 teeth.....	4.00
	Plain, 85 cts.; Nickel.....	1.00		Hay, wooden, 11 teeth.....	.30
	Fruit and Flower Gatherer , 4 ft. handle...	5.00		Lawn, wooden, 14 teeth.....	.40
	Fruit Picker , Crider's Adjustable.....	.75		Rattan Brooms , For walks or stables...	.75
	Fruit Picker , Boss.....	.75		Cocoa Brooms , 9 in., 60 cts.; 12 in.....	.75
47	Floral Sets , or Garden Tools in boxes.....	.75	22	Saws , Pruning, 14 in., 90 cts.; 16 in., \$1.00;	
	" " " " " long handles,	1.00		18 in., \$1.15; 20 in., \$1.40; 24 in.....	1.60
	for ladies and children,		32	Lightning, double cutting, 16 in., 75	
	75 cts., \$1.50, \$1.75, \$3.00, and	4.00		cts.; 18 in., 90 cts.; 22 in.....	1.25
24	Forks , Hand Weeding, 3 styles, 30 cts., 75 cts.	1.00	13	Scissors , Bow Handle Pruning, 4 in., \$1.00;	
	Digging, or spading, 4 prong.....	.90		5 in., \$1.25; 6 in., \$1.50; 7 in.....	1.75
	5.....	1.15		Bow Handle Pruning, nickel plated, 4	
	Manure, long handle, 4 tine, heavy.....	.65		in., 75 cts.; 6 in.....	1.00
	Manure, D " " medium.....	.80	35	For thinning Grapes, 5 in., \$1.00; 6 in.,	
	Manure, D " " heavy.....	.85		\$1.25; 7 in., \$1.50; 8 in.....	1.75
	Manure, D " " 5 tine, medium.....	.90	52	Scythes , English Lawn, riveted back, 30 in.,	
	Hay and Straw, long handle, 3 tine, medium	.50		\$1.25; 34 in., \$1.35; 36 in., \$1.50; 38 in....	1.65
	Fumigators . See page 133.			American, of best steel.....	.85
34	Garden Reels , Iron, painted.....\$1.00 and	1.25		Waldron pattern.....	1.00
	Garden Reels , extra heavy, galvanized.			Bush or Brier.....	.85
	Single.....	1.50		Marston Scythe and Snath, complete.....	1.75
	Garden Reels , extra heavy, galvanized.			Scythe Stones , Darby, 10 cts.; Talacre.....	.20
	Double.....	3.00		Rifles, 15 cts. Snaths , The best pattern	.75
	Garden Lines , best Italian flax,			Seed Sower , Randolph's Hand, postpaid...	1.50
	90 ft., 50 cts.; 180 ft., \$1.50; 300 ft.....	3.00	31	Shears , Grass Border, 8 in. blade, \$2.50; 10 in.	3.00
44	Gooseberry Pruner , for thorny bushes.....	1.25		Grass Border, with wheel, 8 in. blade,	
	Grass Edger , Philadelphia.....	5.50		\$3.00; 10 in.....	3.50
50	Grass Hooks , or Sickles, English. Riveted		16	Grass Border, two wheels, 8 in. blade.....	3.50
	back. No. 0, 50 cts.; No. 1, 60 cts.;			Hedge, English, with notch, 8 in., \$2.00;	
	No. 2, 70 cts.; No. 3.....	.80		9 in., \$2.25; 10 in.....	2.50
	Grass Hooks , American Plain Back,		14	Hedge, German, with notch, 7 in., \$1.75;	
	No. 2, 40 cts.; No. 3.....	.50		9 in., \$2.25; 10 in., \$2.50; 12 in.....	3.00
	Grass Hooks , Dutch, Steel.....	.50	27	Long Handle, Quaker City and Eagle....	2.50
2	Hoe , Allen's Weeding.....	.75	15	" " Saynor, very powerful.....	4.50
10	Celery, 14 inch.....	2.00		Sheep, English. For grass, 6 in. 85 cts.; 7½	1.15
19	Dutch, or Scuffle, 4 in., 40 cts.; 5 in., 50			" " with inside spring, 7½ in.....	1.25
	cts.; 6 in., 60 cts.; 7 in., 65 cts.; 8 in.,			" American, 7 in. blade.....	.75
6	70 cts.; 9 in., 80 cts.; 10 in.....	.90		Shovels , Round Point, polished, No. 2.....	1.10
3	Garden, with sharp point.....	.40	55	Square Point, polished, No. 2.....	1.00
	Garden, 2 prongs, 40 cts.; 3 prongs, 45 cts.;			Long Handle, Round Point, No. 2.....	1.00
	4 prongs.....	.50		Adjustable Draining, small, \$1.10; large...	1.25
23	Grubbing, or Mattock.....\$1.25 and	1.50	53	Spades , Ames', polished, No. 1, \$1.20; No. 2,	
8	Hexamer's Improved, 6 prong.....	1.25		\$1.25; No. 3.....	1.30
	Lyman's Adjustable.....	.75		Griffith's, polished, No. 2.....	1.00
26	Tomato, for transplanting tomatoes.....	.50		Griffith's, nursery, No. 2.....	1.15
1	Half Moon, solid socket, 3 in., 35 cts.; 4			Griffith's, nursery, No. 0000.....	.80
	in., 40 cts.; 5 in., 45 cts.; 6 in., 50 cts.;			Spuds , Long Handle, for thistles and docks...	.50
	7 in., 55 cts.; 8 in.....	.60	11,12	" " with foot rest.....	.75
4	Square, solid socket, 6 in., 60 cts.; 7 in.,			Long Handle, for thistles and docks,	
	70 cts.; 8 in.....	.80		English.....	.75
49	Warren, 3 sizes.....	.50, 65 and		Thermometers , Tin, Japanned, 7 in., 20	
7	Weeding Hoe and Rake, 4 teeth.....	.60		cts.; 8 in., 25 cts.; 10 in.....	.30
	Weeding Hoe and Rake, 6 teeth.....	.70		Boxwood, white or black.....	.40
5	Trowel-shaped.....	.50		Hot Bed or Dairy.....	.35 cts. and
	Knife , Asparagus, 14 in. long, with saw.....	1.50		Registering, maximum or minimum.....	3.50
56	Asparagus, 14 in. long, plain.....	.40		Tree Scrapers , Short Handle.....	.50
37	Knives , Saynor's Pruning. The best. No.			Long Handle.....	.75
	37, \$1.25; 38, \$1.20; 39, \$1.00; 40.....	1.75		Trowels , American Garden, polished, 5 in.,	
41	Pruning, other makes, 65 cts., 75 cts., \$1.00	1.25		12 cts.; 6 in., 15 cts.; 7 in., 20 cts.; 8 in.,	.25
42	Saynor's Budding.....	1.25	28	English Garden, polished, will outlast sev-	
	Budding, other makes, 75 cts., \$1.00.....	1.25		eral of the American. 6 in., \$1.00; 7	
	Pruning and budding combined.....\$1 90	1.25		in., \$1.15; 8 in.....	1.30
43	Grafting.....	.75		American (English pattern) 6 in.....	.60
46	Grass Edging, 8 in., \$1.25; 9 in., \$1.50; 10 in.	1.75	9	Transplanting, for tomatoes, etc.....	.65
	Corn, for cutting corn stalks.....	.50 cts.		Weeders , Excelsior, postpaid, 25 cts.....	.20
	Pick , Railroad, handled.....	1.25	18	Gem, postpaid, 30 cts.....	.25
	Pickaxe	1.25	30	Hazeltine, postpaid, 30 cts.....	.25
				Lang's, postpaid, 30 cts.....	.25

LAWN MOWERS.

The Pennsylvania Hand Lawn Mowers. Pronounced excellent in all respects by those who have used them. They have the open cylinder and solid Cast-Steel Knives, which are hardened and tempered in oil, and seldom require sharpening. By their peculiar construction and having the rear cut they cut the grass more smoothly, run easier, cut longer grass, and require less repairs than any other machine. They are thoroughly and substantially built; the knives are self-sharpening, and, owing to their extreme toughness and perfect temper, will pass through more obstructions, with less injury, than those of any other machine made. Almost noiseless in operation. We do not hesitate to recommend them for all kinds of work.

10 inch, weight 30 lbs.....\$7.00	14 inch, weight 36 lbs.....\$ 9.00	18 inch, weight 41 lbs.....\$11.00
12 " " 33 " 8.00	16 " " 38 " 10.00	

Pennsylvania New High Wheel Lawn Mower. These are the best mowers for cutting high grass, and are particularly adapted for large lawns, cemeteries and rough grounds. Will cut grass when 6 to 10 inches high. Height of Wheel, 10½ inches; diameter of Cylinder, 6½ inches.

15 inch, weight 48 lbs.....\$12.00	19 inch, weight 54 lbs.....\$14.50
17 " " 51 " 13.00	21 " " 57 " 16.50

PENNSYLVANIA HORSE LAWN MOWER.

PHILADELPHIA HAND LAWN MOWER.

PENNSYLVANIA HAND LAWN MOWER.

The Quaker City Lawn Mower. This machine is made of good material by the manufacturers of the Pennsylvania; but as it is of the central cut pattern, it can be made at less cost.

10 inch, \$6.00; 12 inch, \$7.00; 14 inch, \$8.00; 16 inch, \$9.00.

Continental Hand Lawn Mower. These machines have been thoroughly tested and have proved satisfactory. They are double-gearred, have long bearings, run at a high rate of speed, and are made in a superior manner. They run very lightly, and will cut high grass with ease.

CONTINENTAL HAND MOWER.

Low wheel.....10-inch cut, weighs 30 lbs.....\$ 7.50
" "12 " " " 32 " 8.50
" "14 " " " 35 " 9.50
" "16 " " " 37 " 10.50
" "18 " " " 38 " 11.50
High wheel.....15 " " " 46 " 12.50
" "17 " " " 48 " 13.50
" "19 " " " 50 " 15.00
" "21 " " " 57 " 17.00

Philadelphia Hand Lawn Mower. New open wiper pattern. An improvement on the old style closed wiper, as they run quieter, smoother and do better work.

14 inch, weighs 33 lbs., \$9.00; 16 inch, weighs 34 lbs., \$10.00; 18 inch, weighs 36 lbs., \$11.00.

Pennsylvania Horse Lawn Mower. This machine is made wholly of iron and steel, with the gearing neatly boxed. It has an open cylinder, and all the bearings, including the knives, are made of solid cast steel. It is thoroughly and substantially built, and will give satisfaction. Width of cut, 30 inches. Weight, 320 lbs.

With draft irons only.....\$72.00	With shafts and seat.....\$78.00
With draft irons and seat.....76.00	With shafts, seat and draft irons.....79.00

The draft irons are for use either with or without the shafts, to enable the horse to draw the machine without treading on the uncut grass. We recommend the mower with draft irons only.

Pennsylvania Horse Lawn Mower. Solid cylinder, 30 inch cut, draft irons only, \$67.50.

Philadelphia Horse Lawn Mower.

30-inch machine, with draft rod, \$67.50. With shafts and seat in addition, \$80.00.

36-inch machine, with seat, shafts, and handles, \$120.00.

Philadelphia Lawn Sweeper. A simple machine for cleaning the lawn. A driving roller gives motion to a revolving brush placed directly in front, causing it to sweep the sod clean and throw the sweepings backward from the top of the brush into a large box in the rear of the roller. In the horse machines this box can be dumped without stopping.

Hand Machine sweeps 24 inches wide.....\$16.50
Horse " " 40 " " 60.00

Lawn Mower Oil. An oil specially adapted for use on Lawn Mowers. Will not gum. Per qt., 50 cts.; per gal., \$1.50. Oiler containing one pint, 25 cts.

Horse Boots. For use on Lawn. They are made of strong leather, fastened with copper rivets, and will wear a long time. Per set of 4, \$12.00. Sewed instead of riveted, per set, \$10.00.

PHILA. LAWN SWEEPER.

FARM AND GARDEN TOOLS.

A. H. MATHEWS' VEGETABLE SEED DRILL.

Comstock Drill.

A. H. MATHEWS' LITTLE GEM SEED DRILL.

Seed Sower 3.00

A. H. Mathews' New Vegetable Seed Drill. This is the most perfect Seed Drill in use. It may be used in either field or garden. It opens the furrow, drops the seed evenly at the required depth, covers it lightly, rolls the earth over the seed, marks the next row, all with the utmost precision. It is thoroughly made, and warranted to sow, with evenness and regularity, all the different varieties of vegetable seeds. One of the most valuable improvements, possessed by no other drill, is a convenient shut-off, arranged to stop the flow of the seed at any point. \$10.00.

A. H. Mathews' Little Gem Seed Drill. This Drill was designed for farmers and small gardeners, who have long felt the need of a low-priced, reliable Seed Drill. The "Little Gem" will make the drill, drop and cover all the seeds, such as Turnip, Carrot, Sage, Spinach, Onion, Parsnip, Beet, etc., and mark the next row as perfectly as the best \$10.00 Drills. Weighs only 20 pounds. \$5.50.

THE MODEL DRILL.

The Index or Indicator is plain, convenient and reliable. It is placed in open sight and can be quickly adjusted to the slightest variation. The names of the principal seeds are plainly shown on the Index. The flow of seed can be instantly stopped by a swinging cut-off, which prevents all loss of seed at the end of rows. Its swinging or gravity form will be found preferable to slides, as it cannot be jammed by falling seed. The marker is simple, easily adjusted and firmly held. The main wheel is of large size and of sufficient width to prevent its sinking into soft earth. The covering roller is attached by swinging frame, enabling the operator to roll lightly or otherwise, by varying the pressure on handles.

Price, \$8.00.

Lee's Iron Frame Hand Wheel Hoe.

Light, simple, strong, and easily worked. The teeth and hoes can be used separately or combined. The hoes are of different widths. \$5.00.

GARDEN AND FARM WHEELBARROWS.

No. 2.	Jacob's Pat. Wheel.....	\$4.00
No. 3.	" " ".....	4.25
No. 4.	" " ".....	4.75
No. 5.	Steel Wheel.....	
Canal Barrows, Wood Body.....		2.50
" " " Iron ".....		5.00

The Planet Jr. Combined Drill, Cultivator and Plow.

Suitable for the farm or garden. It holds one quart of seed, has a finely adjustable Spring, Brass Seed Reservoir, an Adjustable Plow, new Seed Index, two Hoes, three Cultivator Teeth and two Covering Rakes. It opens furrows, covers hills, plows to and from the plants, works safely and closely to both sides of the row at once. \$12.00.

The Planet Jr. No. 2 Drill.

It has an adjustable opening Plow. No hoeing attachments. It will sow with ease and accuracy. Holds 2 1/2 quarts. \$10.00.

Gem Single Wheel Hoe and Cultivator.

Five steel teeth, two scuffle hoes, and two plows, one right and the other left hand. The hoes, etc., can be set in any position. Wheel and handles. \$5.00.

Gem Double Wheel Hoe and Cultivator.

Same as above, except that it has two wheels, which allow it to work both sides at once. \$6.00.

FARM AND GARDEN TOOLS.

The "Fire-Fly" Single Wheel Hoe, Cultivator and Plow Combined. This implement has a great variety of adjustments, and can be set to work to and from the rows to any desired depth. - \$4.50.

The "Fire-Fly" Hand Wheel Garden Plow has a polished steel mould-board and eyes for attaching a rope in plowing double depth in the spring. It opens furrows for peas, beans, corn, potatoes, etc., and neatly covers them. \$3.00.

The Planet Jr. Double Wheel Hoe, Cultivator and Plow. Has two hoes, four cultivator teeth, two rakes and two plows. Will do the work of six to ten men with the common hand hoes among market garden and root crops. Is especially adapted to onion culture; light, firm, strong, quickly set and easily managed. All the blades are tempered and polished steel. The hoes cut from 6 to 18 inches wide. \$8.00.

The Planet Jr. Single Wheel Hoe. Combines extreme lightness and strength. It has one pair of hoes, three cultivator teeth, two rakes and a plow. \$6.00.

Jewel Cultivator and Wheel Hoe, Double.

The "Jewel" is capable of being quickly adjusted in depth or width of working or height of handles. As shown in cut it is provided with four slender stirring teeth, each one made of one piece of steel, unexcelled for thorough work, especially in hard soil; one pair of curved side hoes, particularly intended for use among small plants; also, a pair of plows for throwing to or from the row, or for opening furrows. The standards of these hoes and plows are of malleable and wrought iron. \$6.00.

Concave Potato Knife.

Cut a thin slice from center of Potato, hold up to light and see feeders as in small cut.

For cutting seed potatoes. This is undoubtedly the best knife for the purpose. 25 cts. each; post-paid 30 cts.

Planet Jr. Horse Cultivator.

AS A COVERER, WITH LEVELING AND PULVERIZING RAKE.

Plain Cultivator, with steel standards, including attachments, as shown above, \$9.75.

COMBINED HOE AND CULTIVATOR.

Plain Cultivator, with steel standards, including attachments, as shown above, \$7.50.

AS A COVERER, WITH WHEEL, ROLLER AND SIDE HOES.

Plain Cultivator, with steel standards, including attachments as shown above, which make a complete cultivator, hoe and coverer, \$10.50.

PLAIN CULTIVATOR.

Plain Cultivator, as above \$4.50
Price of separate attachments.
Wheel \$1.00
Roller 2.75
Reversed Rake 1.20
Two side hoes with steel standards 2.25

Iron Age Horse Cultivator.

Plain Cultivator \$4.00
Plain Cultivator, with hoeing attachments as above \$5.50
Cultivator, with hoeing attachments, wheel and leveler \$7.00
Complete Cultivator, with hoeing attachments, wheel, leveler and set narrow weeding teeth \$8.00
Price of separate attachments.
Wheel \$1.00
Leveler 1.00
Weeder 1.35

Lee's Horse Hoe.

A very thorough cultivator for all crops, \$10.00.

Scratch Harrow.

One horse \$7.00
Two " 11.00

Spike-Tooth Expanding Harrow.

Can be regulated to cultivate between rows of different widths, \$4.50.

Diamond Point Expanding Harrow.

Teeth set at an angle like a plow point; an excellent implement for leveling or cultivating, as it does not make ridges. \$5.00.

Evans' Harrow.

One of the very best tools for private or market gardens. The harrows are provided with runners so they can be easily moved without tearing up walks or roads. 24 tooth, \$6.00; 30 tooth, \$7.00.

Plows.

Advance Chilled, One Horse.....	\$ 4.75
" " " " Two " " " " " " " "	13.00
Syracuse " " " " " " " " " " " "	14.00
" " " " " " " " " " " " " "	6.00
Hill-side, the lightest swivel plow, One Horse, with wheel.....	8.00
Two " " " " " " " " " " " "	15.00

Syracuse Chilled Plow.

Wooden Beam.

No. 7, Medium, Two Horse.....	\$14.00
" 9, Light, " " " " " " " "	14.00
Iron Beam.	
No. 2, Medium, Two Horse.....	\$14.00
" 5, " " " " " " " " " "	7.50

Potato Digger.

Planet Jr., \$15.00.
Hall's Pat., \$15.00.

Subsoil Plow.

Pittsburgh, One Horse.....	\$ 9.50
" Two " " " " " " " "	20.00

Hand and Power Corn Shellers.

Pony, one hole with fan, \$12.00.	
Keystone, two hole with fan, \$22.00.	
Kiger, two hole, \$25.00.	
The Pet, \$8.00.	

Hay, Straw and Corn Stalk Cutters.

Belle City, No. 5, \$18.00.	
Belle City, No. 6, \$28.00.	
Belle City, No. 4, \$38.00.	
Ross Hay Cutter.....	\$14.00
Telegraph Hay Cutter.....	12.00
" " " " " " " " " "	14.00

Root Cutter.

No. 1, Clark's, \$10.00.	
No. 2, Clark's, \$14.00.	

Hand Bone and Oyster Shell Mill.

No. 1, without legs, \$5.00.	
No. 1, with legs, \$7.00.

Wrought Iron Lawn and Field Roller.

These Rollers are all made of the best wrought iron, and filled with concrete to give them additional weight, and are preferable to cast iron, as they are not so liable to break.

24 inches diam., 30 inches long, weight about 450 lbs., \$40.00.

28 inches diam., 36 inches long, weight about 550 lbs., \$45.00.

With sections loaded for road and lawn purposes.

24 inches diam., 30 inches long, weight about 700 lbs., \$45.00.

28 inches diam., 36 inches long, weight about 900 lbs., \$48.00.

Wrought Iron Garden and Lawn Roller.

Made of the best wrought iron, and filled with concrete to give them additional weight.

10 inches diam., 13 inches long, weight about 130 lbs., \$7.50.

12 inches diam., 18 inches long, weight about 200 lbs., \$9.50.

14 inches diam., 21 inches long, weight about 300 lbs., \$12.00.

16 inches diam., 24 inches long, weight about 400 lbs., \$18.00.

We also have Field and Lawn Cast Iron Sectional Rollers. Prices furnished on application.

Horse Radish Grater.

Will grate 15 lbs. per hour.
Box Pattern, \$8.00.
New York Pattern, \$11.00.

Grindstone.

No. 1 Stone, 24 in. diam., \$5.50.	
No. 2 Stone, 20 in. diam., \$5.00.	
No. 3 Stone, 18 in. diam., \$4.50.

Perfect Milk Pail and Stool.

The milker sits on top of the pail while milking.

One size only, \$2.25.

Wire Sieves.

We can supply any size mesh from No. 1 to 30. **Iron Wire.**

20 inch diameter, extra heavy...\$1.00

18 inch diameter, extra heavy...90 cts.

20 inch diameter, medium.....	75 "
18 " " " " " " " " " "	65 "
16 " " " " " " " " " "	55 "

Brass Wire. Will not rust. 20 in. diameter, all sizes of mesh. \$1.25 each.

Silver Milking Tube.

Made of coin silver. By pushing the slide up or down, the length can be changed. Regular size, 1 1/2 inches in length. 50 cts. each.

Small's Calf Feeder.

Thoroughly made, perfect in construction, and answers the purpose. \$2.50.

Cahoon Broadcast Seed Sower.

Will sow any kind of grain or grass seed. Hand Machine, \$4. Power Machine, \$18.00.

Hand Water Truck and Barrel.

An indispensable article for farmers and gardeners who have water to carry. The weight is raised easily and balanced over the axle, so that no lifting or down pressure is needed in moving it. Also has a sprinkling attachment.

Water Truck and Barrel, 1 1/2 inch tires, \$10.00.

Water Truck and Barrel, 2 1/2 inch tires, \$12.00.

Water Truck and Barrel, 4 inch tires, \$14.00.

Sprinkling attachment, extra, \$3.00.

Box for carrying stones, earth, etc., extra, \$3.50.

AMERICAN IMPROVED BRASS GARDEN SYRINGES.

Of various sizes and patterns, for the conservatory, greenhouse, garden, etc., fitted with caps or roses for ejecting water in one stream, or in a fine or coarse spray. They are heavily made and of the best material and workmanship.

No. AA. Very small, with one fine spray rose, 7 1/4 inches long and 1/2 inch diameter. \$1.25.

No. A. Polished, with one stream and spray rose, 12 inches long and 1 inch diameter; used for whale oil soap, etc. \$2.25.

No. C. Polished, with one stream and spray rose, 14 1/2 inches long and 1 1/2 inch diameter. For whale oil soap, etc. \$3.50.

No. O. Polished, with one stream and spray rose, 12 inches long, 1 inch diameter; T handle. \$1.75.

No. 2. With one stream and two roses, 13 1/2 inches long and 1 1/8 inches diameter. \$4.50.

No. 3. With one stream and two roses, 18 inches long and 1 1/2 inch diameter (best plate valve). \$6.00.

No. 5. With one stream and two roses, 18 inches long and 1 1/2 inch diameter (ball valve). \$6.50.

No. 7. Knuckle-joint, which can be turned in any direction, with one stream and two roses, 18 inches long and 1 1/2 inch diameter (ball valve). \$9.00.

No. 8. Best conical valve, with cross handle and one spray rose, 10 inches long, 1 1/2 inch diameter. \$5.50.

No. 10. Conical valve, two spray roses and jet, 18 inches long, 1 1/2 inch diameter. \$4.50.

No. 11. Two spray roses and jet, 18 inches long, 1 1/2 inch diameter. \$4.00.

No. 12. Two spray roses and jet, 14 inches long, 1 inch diameter. \$2.75.

No. 13. Tin, japanned, improved ball valve, for whale oil soap, etc., for garden use, 14 inches long, 2 inches diameter. \$1.00.

Lewis' brass syringe, spray only, 20 inches long, 1 1/2 inch diameter. \$1.75.

Lewis' zinc syringe, spray only, 20 inches long, 1 1/2 inch diameter. \$1.25.

IMPORTED BRASS SYRINGES.

Good material and workmanship, and adapted to the uses for which they are made.

703. Read's Patent. Ball valve. 2 roses and jet.	18 inches long, 1 1/2 inches diameter	\$4.00.
706. Gardener's. 2 roses and jet.	18 " " 1 1/2 " "	3.00.
709. Ladies' Garden. 2 roses and jet.	14 " " 1 " "	2.25.
709 1/2. " " 2 " " "	16 " " 1 1/4 " "	2.75.

American Round Watering Pot.

4 qt. Light.	\$0.85	4 qt. Heavy.	\$2.00
6 " "	1.25	6 " "	2.50
8 " "	1.50	8 " "	3.00
12 " "	2.00	12 " "	3.50
		16 " "	4.00

French Watering Pot.

4 qt. oval	\$2.00
6 " "	2.50
8 " "	3.00
12 " "	3.50
16 " "	4.00

Rubber Hose.

Best 3-ply 3/4 inch Rubber Hose: 10, 12, 15, 18, 20 and 25 cents per foot, according to quality.

Price for other sizes on application.

Hose Nozzles.

For throwing either fine or coarse spray, or straight stream.

Gem	\$.75
Magic	1.00
Hallowell (nickel)	1.00
Boss (nickel)	1.00
Branch Pipes, 50 and 75 cts.

Hose Reels.

Excelsior, No. 1	\$2.75
" No. 2	3.25
Acme	2.50
Gem	1.50
Peerless, No. 1	2.25
" No. 2	2.75

Hose Menders.

	Each.	Doz.
Hickman's, 3/4 inch	20	\$2.00
" 1 "	25	2.50
White Metal, 3/4 inch	10	1.00
Woodason, 3/4 inch	8	.75

Deakin's Double Action Fountain Pump.

Of brass, and well-made. Will throw a continuous stream 20 to 30 feet. \$7.50.

Revolving Lawn Sprinkler.

Brusie's, 8 arm	\$7.50
Peck's, 8 "	5.00
" 4 "	4.00
Ball and Basket, \$2.50 extra.

Hydronette, or Fountain Pump.

This improved single-action pump is simple in mechanism; has 3 feet of rubber hose, straight stream and a sprinkler attached.

Deakin's	\$7.00
Whitman's	7.00

Scollay Rubber Sprinkler.

Each, \$1.00. By mail, \$1.15.

Bellows Syringe. For spraying plants with insecticides.

French, \$2.50. Woodason's, \$2.00.

Improved Water Truck.

This sprinkler is invaluable for watering walks, lawns, etc., and consists of a perforated iron tube bent on a circle, thereby throwing water outside the wheels. The water can be shut off by a valve shown in the cut. With this barrel we furnish a force pump capable of throwing water 50 feet. For washing windows, spraying trees, etc., it will be found very serviceable. The pump is attached so that it can be removed when not needed.

Truck and Barrel, with Force Pump attached, \$16.00
 " " " and Sprinkler and Pump, 18.50
 Pump alone, 6.50

The wheels on Truck shown have 1½ inch tires. We can supply wheels with 2½ inch or 4½ inch tires at \$2.00 or \$4.00 extra.

Diamond Point Expanding Harrow.

The best harrow for private or market gardens. The teeth are set on angle, are reversible, so that they can be used for leveling or harrowing or cultivating. Does not make ridges.
 \$5.00.

Jugl's Patent Wooden Hose Couplers.

This invention saves money. A leaky hose can be spliced and made tight in a few moments by cutting the hose and inserting a coupler.

	Per doz.	Per 100.		Per doz.	Per 100.
½ inch.....	.30	\$2.50	1½ inch.....	.75	\$5.50
¾ inch.....	.50	3.25	1½ inch.....	1.00	7.00
1 inch.....	.60	4.00			

Asparagus Buncher.

By its use Asparagus can be tied in neat and compact bunches, so it will not come apart in cooking, and will make a neat appearance in market. \$2.00 each.

Universal Glass Cutter.

Will never lose the point. It works entirely different from all others, having a diamond in one corner and a wheel in the other, thus giving it a sure cut. This is really a most useful implement and better than any other cutter.

Bone handle, \$5.00; ebony handle, \$3.50.

Carts.

Leaf Cart. An excellent cart for removing leaves and grass and light rubbish. With box for stones, etc., it is the most complete cart in the market. \$14.00.

Lansing Hand Cart. A light and serviceable cart. Will carry 300 pounds easily pushed by one man. \$8.00.

Thompson's Broadcast Seed Sower.

Sows a space 14 feet wide. The best machine for sowing grass, clover, millet seed, etc. The frame is light and the box is carried on a wheelbarrow frame. Will sow ½ acre without refilling. \$10.00.

SUNDRIES.

Grafting Wax, first quality, in bars. With directions for use. 1 lb., 40 cts.; ½ lb., 25 cts.; ¼ lb., 15 cts. By mail, 18 cts. per lb. additional.

Raffia, the best material for tying plants, vines, etc. Per lb., 40 cts.

Green Linen Twine, for Smilax. 80 cts. per lb.

Jute Twine, for tying plants or vegetables. 20 cts. per lb.

Archangel Mats (new), 8 feet long and 4½ feet wide. 85 cts. each.

Russian Bass Mats for budding and covering hot beds, second-hand. 1st quality, 25 cts. each; \$2.50 per doz. 2d quality, 15 cts. each; \$1.50 per doz.

Jersey Peat, for potting plants, etc. \$1.50 per bbl.

Propagating Sand. \$1.50 per bbl.

Prepared Potting Soil. 75 cts. per

bush.; \$1.50 per bbl.

Sphagnum Moss, for packing, growing Orchids, etc. \$1.50 per bbl.; \$2.50 per bale.

Cocoa Fibre, for propagating and mulching. 90 cts. per bushel.

Jardinieres and Fancy Pots. Different patterns and colors. 75 cts. to \$2.00 each.

Window Boxes. Terra cotta and wooden. \$1.25 to \$3.50 each.

Iron Brackets. To hold from one to four pots; bronzed and painted. 20 cts. to \$2.00 each.

Coal Oil Bellows. For spraying disinfectants in poultry houses, cellars, etc. \$1.50.

Snow Shovels. Steel points. 40 and 50 cts. each.

FERTILIZERS.

Bowker's Ammoniated Food for Flowers. Made especially for plants grown in the Conservatory, House or Garden; clean, free from offensive odor. Full directions with each bag or package. Package, 35 cts.; by mail, 50 cts.; 5 lb. bag, 75 cts.; 10 lbs., \$1.25; 50 lbs., \$3.50.

Bowker's Kitchen Garden Fertilizer. A general kitchen-garden manure, may be used on all garden crops, fruits, etc.; easily applied, free from weed seeds, and will give as large crops as stable manure. It has very little odor, and clean to handle. Every one who has a garden should give it a trial. Bags of 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50.

Bowker's Lawn Dressing. This Dressing is prepared so that it acts gradually through the season. It may be applied at any time during the spring, summer, or autumn, or as often as the grass seems to need nourishment. It will restore many lawns to full luxuriance that have been nearly ruined by drought. Bags of 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50.

Crushed Bone. Ground coarse, for grape borders. 200 lb. bag, \$5.00; per ton, \$40.00.

Dreer's Pure Ground Bone. Excellent for restoring and quickening grass plots, gardens, etc. Apply 400 to 600 lbs. to the acre. 5 lbs., 25 cts.; 100 lbs., \$3.00; sack of 200 lbs., \$4.50; per ton, \$40.00.

Dreer's Pure Bone Meal. Ground expressly for our trade. Better than Ground Bone for mixing with potting soil, as it is much finer, and in better condition for giving immediate effect. 3 lb. box, 15 cts.; 5 lb. bag, 25 cts.; 100 lbs., \$3.00; 200 lb. bag, \$4.50; per ton, \$40.00.

Bone Flour. Ground perfectly fine; an excellent fertilizer for pot-plants or beds where an immediate effect is wanted. 5 lb. bag, 30 cts.; 25 lbs., \$1.25; 100 lbs., \$4.50; bbl., 200 lbs., \$6.50.

Land Plaster. Excellent for composting, fertilizing or mixing with guano. 25 lb. bag, 50 cts.; 100 lb. bag, \$1.00; barrel, \$1.50; per ton, \$10.00.

Pulverized Sheep Manure. Excellent for mixing with potting soil or lawn dressing. 100 lb. sack, \$5.00.

Pure Peruvian Guano. The quantity used per acre is three to four hundred pounds; before using, mix with loam or plaster. It should not be mixed with lime, ashes, muck or clay; nor should it come in contact with growing plants when used in a dry state. 1½-lb. box, 15 cts.; 3-lb. box, 25 cts.; 5 lbs. in a tin box, 40 cts.; per 100 lbs., \$4.00; per sack of 200 lbs., \$7.00; per ton, \$65.00.

Truxillo Guano. Prepared with especial care for garden crops and small fruits. 5 lbs., 25 cts.; per 100 lbs., \$3.00; sack of 200 lbs., \$5.50; per ton, \$50.00.

Granulated Tobacco. For fertilizing lawns, etc.; will keep the lawn green. 25 lb. bag, \$1.25; bbl., 200 lbs., \$5.00.

Powdered Tobacco and Sulphur. An odorless and clean fertilizer and effective as an insect destroyer. 5 lb. bag, 40 cts.; 25 lbs., \$1.50; 100 lbs., \$5.00.

Star Bone Phosphate. Contains a large percentage of soluble Bone phosphate of Lime, and is a stimulant to a quick and healthy growth. Apply 400 to 600 lbs. to the acre. 5 lbs., 25 cts.; 10 lbs., 50 cts.; 25 lbs., \$1.00; 100 lbs., \$2.50; sack of 200 lbs., \$4.00; per ton, \$32.00.

GREEN FLY.

RED SPIDER.

BLIGHT.

MEALY BUG.

SCALE.

THRIP.

Hammond's Slug Shot. An impalpable powder, containing agents that will destroy the Cut Worm, Potato Bug, Chinch Bug, Rose Bug, Rose Slug, Curculio, and all Lice, Worms or Caterpillars upon Melons, Cucumbers, Squash or Grape Vines, Tobacco, Cotton or Egg Plants, Currants, Fruit or Ornamental Trees, and all Shrubs and Flowering Plants. It is an excellent fertilizer; plants upon which it is used will grow and look much finer than those upon which it is not. It contains nothing injurious to domestic animals, and does not deteriorate by age. On low growing plants it should be dusted on with a very fine sifter. On tall shrubs and trees it should be applied with the Double or Single Cone Bellows. 5 lbs., 30 cts.; 10 lbs., 60 cts. Bags, 100 lbs., \$5.00; in barrels in bulk, weighing 225 lbs. net, 4 cts. per lb. Tin canisters with perforated tops, holding ½ pint, 25 cts.; by mail, 40 cts.

Combined Soap. Good's New Preparation. Most effective for destroying Insects. In cans, with directions. ½ lb. cans, 15 cts.; 1 lb. cans, 25 cts. each; by mail, 25 and 40 cts.

Carbolic and Whale Oil Combined, in cans, with directions. Three sizes, 30, 50 and 80 cts. each; the two small sizes only mailable; mailed for 40 cts. and 75 cts. Quantities of 25 lbs. and upwards at 15 cts. per lb.

Carbolic Acid Soap. Kills and drives away Lice, Fleas, Ants, Bugs, Worms, Grubs, and all insects that destroy animals and plants. With directions. Per cake, 10 cts.; by mail, 20 cts.

Flour of Sulphur. A preventive and cure for mildew on grape vines, etc. Per lb., 10 cts.; by mail, 30 cts.

Gishurst's Compound. Extensively used in England, on the Continent, and in this country, for preventing and destroying Green Fly, Mildew, Thrip, Mealy Bug and Scale. With directions. Per box, 75 cts.; by mail, 90 cts.

Hellebore, for destroying Rose Slugs. One or two applications are usually sufficient for a season, and it is thoroughly effective. With directions. Per lb., 40 cts.; by mail, 50 cts.; per bottle, 20 cts.; by mail, 35 cts.

Pinner's Tobacco Soap. A convenient and potent specific for the destruction of all insects, parasites, and their eggs, infesting either plants or animals. Per lb., 50 cts.

Pyrethrum Roseum, or Persian Insect Powder. For destroying Roaches, Ants, Fleas, and all other noxious insects. Per lb., 75 cts.; by mail, 85 cts.; per bottle, 25 cts.; by mail, 40 cts.

Pure Paris Green, for destroying potato bugs. It is effectual for destroying that pest. Directions for use with each package. 30 cts. per lb.; by mail, 40 cts.

Soluble Fir Tree Oil. A preparation for destroying insects and parasites, whether on the foliage or at the roots of the plants, such as Mealy Bug, Red Spider, Scale, Thrip, Green Fly, Fleas, etc. It answers every purpose as an Insecticide, is harmless to the hands and skin when used as an Insecticide, or when applied for destroying parasites on animals or man, or when used as a wash for dogs. Full directions with each can. Gallon, \$5.00; half gallon, \$2.50; quart, \$1.50; ½ pint, 50 cts.; small bottle, 25 cts.

Tobacco Dust. Cheaper than snuff, and quite as effectual. A sure remedy for Green Fly. 5 lb. package, 25 cts.; 100 lbs., \$3.50.

Tobacco Stems, for fumigating. Per lb., 10 cts.; per bbl., \$1.25; in bales of about 250 lbs., \$2.50.

Whale Oil Soap. An effectual remedy for destroying and preventing insects on plants, trees, vines, etc., for washing down the bark of trees, Grape Vines, etc. In cans, with directions. Three sizes, 20, 35 and 60 cts. each; the two small sizes only mailable, 30 and 60 cts. Quantities of 25 lbs., 10 cts. per lb.

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WHAT IT NEEDS FOR 1889.

AS the love of flowers is innate in children, we shall endeavor to bring into notice some of the simple and pretty things which can be grown by them without much trouble, and tend not only to make the garden cheerful, but foster in the child-mind the love of home and the beautiful in nature. The newest seeds and plants will not give them half the pleasure they can obtain from such old favorites as Candytuft, Poppies, Marigolds and Zinnias, from which they can gather an abundance of bloom and thereby receive compensation for their labor.

"Spring has come again, and I have nothing for my garden. My tools are lost, and the mice have eaten all the seed I had left. I don't break all my things, but I lose them somewhere and don't know where to look for them. Tom says I make him mad because I *have* to use his tools when I can't find mine, and I forget to clean them and put them away, and he says he is going to tell father; but I know he won't, because he don't stay mad long with me and he'll forget all about it. I'm going to ask father to buy me some of Mr. Dreer's tools and seeds, because all my seeds that came from him grew first-rate and the tools did not break. I had one of his little seed frames last year and I put it in the kitchen window and filled it with seed, which came up thick, but the plants all died because I forgot to water them. Wasn't that too bad? But I'm going to try again this year and have my plants early and not forget to water them."

THE BEST VEGETABLE SEEDS.

We shall send out in our children's packages just as large a quantity and the same quality as in our regular packets, and shall, as far as possible, do our part to make their gardens pretty and successful. Directions for growing each kind are printed on the packets, and on pages 5 and 6 will be found all the information necessary for successfully raising their seeds.

Collection No. 1. Scarlet Turnip Radish, Boston Market Lettuce, Bastian's Turnip Beet, Danvers Carrot, Nichols' Cucumber, Paragon Tomato. 25 cts.

Collection No. 2. Golden Wax Beans, Eclipse Beet, Wakefield Cabbage, Early Horn Carrot, Cory Corn, Nichols' Cucumber, Boston Market Lettuce, Long Scarlet Radish, Hanson Lettuce, Optimus Tomato. 50 cts.

Collection No. 3. Golden Wax Beans, Bastian's Turnip Beet, Early Summer Cabbage, Danvers Carrot, Stabler's Extra Early Corn, White Spine Cucumber, Black Seeded Simpson Lettuce, Salamander Lettuce, Baltimore Musk Melon, Strasburg Onion, Lightning Peas, Telephone Peas, Wood's Early Frame Radish, Scarlet Turnip Radish, Long Standing Spinach, Brazilian Sugar Squash, Mikado Tomato, Thyme, Sage. \$1.00.

Collection No. 4. Red Valentine Beans, Golden Wax Beans, Bastian's Turnip Beet, Early Wakefield Cabbage, Early Half-Long Carrot, Albany Corn, Cory Corn, Nichols' Cucumber, Boston Market Lettuce, Silver Ball Lettuce, Bay View Melon, Silver Skin Onion, Dreer's Eureka Peas, American Wonder Peas, Scarlet Turnip Radish, Long Scarlet Radish, Long Standing Spinach, Brazilian Sugar Squash, Red Mikado Tomato, Sage, Thyme, Sweet Marjoram, Summer Savory. \$1.50.

"My Beans are Growing Splendid."

EASILY GROWN FLOWER SEEDS.

"Flowers from my Garden."

Collection No. 10. Balsam, French Marigold, Chinese Poppies, Single Petunia, Morning Glory, Four O'clock. 25 cts.

Collection No. 11. Sweet Alyssum, Peony Flowered Aster, Balsam, Calendula Meteor, Coreopsis, Chinese Poppy, Single Petunia, Sweet Peas, Morning Glory, Four O'clock, Zinnias, Marigolds, Mignonette. 50 cts.

Collection No. 12. Sweet Alyssum, Peony Flowered Aster, Balsam, Calendula Meteor, Coreopsis, Candytuft, Larkspur, Danebrog Poppy, Salpiglossis, Eldorado Marigold, Sweet Peas, Morning Glory, Large Flowering Zinnia, Four O'clock, Mignonette, Dwarf Nasturtium, Tall Nasturtium, Phlox, Pansy, Portulaca, Thunbergia, Catchfly, Verbena. \$1.00.

Collection No. 13. Sweet Alyssum, Joseph's Coat, China Aster, Quilled Aster, Balsam, Scarlet Cypress, Calendula Meteor, Coreopsis, Candytuft, Larkspur, China Pinks, California Poppy, Gaillardia, African Marigold, Marvel of Peru, Mignonette, Nasturtium, Empress of India, Tall Nasturtium, Pansy, Phlox, Petunias, Portulaca, Poppy Crimson King, Verbena, Eldorado Marigold, Sweet Peas, Mourning Bride, Castor Bean, Morning Glory, New Pomponne Zinnias, Double Sunflower. \$1.50.

Where not otherwise stated the packets contain the best varieties mixed. As these collections are put up specially they cannot be altered. If other kinds are desired they can be selected from our general lists.

SELECTED PLANTS.

The plants offered below are of small size but of good varieties and in healthy condition. At the price quoted they will be sent by mail, but the chances of success will be greatly improved if they are sent by express, as the soil is not removed from the roots. When received they should be at once unpacked and planted where they are to remain. In planting press the soil hard against the roots, water well, and cover when the sun shines with newspapers until they take hold, which will be in three or four days. Roses, Geraniums, and all the other plants we offer require sunny places, and will not do as well when planted in the shade.

- A. 12 Geraniums of the best kinds, \$1.00.
- B. 12 Tea Roses, the best for summer, \$1.00.
- C. 12 Verbenas, some with large eyes, and new sorts, 75 cts.
- D. 3 Geraniums, 3 Roses, 3 Verbenas, 3 Petunias, \$1.00.
- E. 3 Begonias, 3 Chrysanthemums, 3 Roses, 3 Geraniums, \$1.00.
- F. 2 Abutilons, 2 Heliotropes, 2 Roses, 2 Geraniums, 2 Coleus, 2 Carnations, \$1.00.
- G. 4 Roses, 4 Geraniums, 4 Coleus, \$1.00.
- H. 12 Coleus, different sorts, \$1.00.
- I. 6 Gladioli, 3 Roses, 3 Geraniums, \$1.00.
- J. 1 Moon Flower, 2 Roses, 2 Geraniums, 2 Abutilons, 1 Coleus, 1 Achyranthus, 1 Heliotrope, 1 Lantana, 1 Petunia, \$1.00.
- K. 6 Geraniums, nice varieties, 50 cts.
- L. 6 Coleus, prettily marked kinds, 50 cts.

As these collections are made up specially, they cannot be changed. If none of these suit, selections can be made from regular lists. As only good sorts are sent, we feel sure that the selections offered will be satisfactory.

"My Plants Grow."

SUITABLE TOOLS FOR CHILDREN'S USE.

"My Things Come from Dreer."

FRAME. 50 cts.

A very useful appliance for raising seeds in the house. It is 16 inches long, 12½ inches wide and 4 inches deep. Without glass, 40 cts. With glass, complete, 50 cts.

- No. 45. Spade, hoe, rake and fork. \$1.50.
- No. 30. Spade, hoe, rake and fork. \$1.25.
- No. 20. Spade, fork and rake. \$1.00.

No. 10. Spade, fork, and rake. 50 cts.
Ladies' and Boys' Special Set.—Spade, 8-tooth rake, 5-inch hoe, weeding hoe and rake. \$1.50.

English Trowels.

Strongly made and will outlast several of the American. Polished, 35 to 50 cts., postpaid. Unpolished, 25 to 40 cts., postpaid. American Trowels, 15, 25 and 35 cts., postpaid.

Hand Fork
20 cts. Postpaid, 25 cts.

Water Pots.

- 4 qt., 50 cts.
- 6 qt., 75 cts.

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HARDY DOUBLE SUNFLOWER.

(See Colored Plate on Opposite Page.)

One of the most showy hardy plants. It stands the severest winter without injury, and displays its beautiful double, golden-yellow flowers from early summer till cut down by severe frosts. If planted in a group or among shrubbery its brilliant effect will be greatly enhanced.

Strong blooming plants, 25 cts. each; \$2.50 per dozen.

CANNA EHEMANNI.

(See Colored Plate on Opposite Page.)

A most effective Canna, which bears its brilliant carmine-red flowers well above the foliage on long, drooping stems. It blooms continuously, and adds to this feature broad and massive foliage of a light green color. A variety that should be largely grown.

40 cts. each; \$3.50 per dozen.

The Hardy Perennial
Sun Flower