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McCULLOUGH'S

CATALOG OF

Bulbs, Seeds, Plants,
Roses, Shrubs, Fruit Trees,
Shade and Ornamental Trees, Etc.

WITH COMPLETE CULTURAL DIRECTIONS FOR BULBS

The J. M. McCullough's Sons Co.
SEEDSMEN

316 WALNUT STREET
Just Below Fourth 316

Cincinnati, O.
It is advisable to get your bulbs in the ground as early as possible after the first of October. Sooner will do no harm in cold localities. Although they can be planted as late as they can be planted early give finer flowers, as it is necessary for bulbs to make some root growth in fall to give the best results. The general line of bulbs will be ready the second week in September. A few kinds (chiefly lilies) are not ready for shipment before November, as they are not matured enough to take up before that time. Therefore, please note that all general orders will be shipped as soon as received, and the "November Bulbs" will be forwarded as early in November as possible. Should you wish us to hold your general order until November bulbs are ready, please so state.

Our prices include postage on single bulbs and by the dozen, except where otherwise noted. Bulbs quoted by the hundred are not sent prepaid.

Order Early. It will greatly facilitate shipments if orders are sent early. We aim to send off all orders the day received.

Send the Money with the Order. Remit by Post Office Order, Registered Letter, Express Money Order, or registered on Cincinnati or New York. United States Postage Stamps will be received for small amounts: be exceedingly careful about the least moisture getting on them, as they sometimes reach us so stuck together as to be almost worthless.

We do not send C. O. D. Everything being plainly priced, the return charges on money is an unnecessary expense.

Should you change your address, we will esteem it a favor if you will notify us, so that we can forward our Catalogues with regularity; if you receive two catalogues of the same kind, please hand one to some friend who is interested in horticulture.

Should an error occur, we desire to be promptly informed, and will take pleasure in making satisfactory corrections.

Write your name and address distinctly and in full; please use the order sheet and envelope inserted in this catalogue.

Our Spring Catalogue of Seeds, Bulbs, etc., for 1927, will be ready about January 1st, and will be sent free to all customers and applicants.

Parcel Post Rates

All parcels of seeds, bulbs and plants, up to and including 8 oz. at the rate of 1c for each 2 oz. regardless of distance; over 8 oz., at the Zone Rate. All merchandise other than seeds, bulbs and plants up to and including 4 oz. in weight, can be sent at the rate of 1c an ounce regardless of distance. Over 4 oz. at the Zone Rate.

Note.—When estimating postage on goods not included in our free delivery, bear in mind that while the packing boxes are of the largest size, they still must be considered as a full pound when adding postage. On larger quantities add postage in proportion. Limit of weight for delivery within local, first, second and third zones is 70 lbs; to all other zones, 50 lbs.

When larger quantities are wanted we can pack in two or more parcels if necessary, provided money is remitted to cover postage.

Trade Marks Registered: McCullough's Seeds, XXXX, Buckeye, Suburban Lawn Grass, Central Park Lawn Grass.

The J. M. McCullough's Sons Co., gives no warranty, express or implied, as to description, quality, productivity or any other matter of any seeds, bulbs or plants it sells, and it will not be in any way responsible for the crop.
DUTCH HYACINTHS

The Hyacinth is so well known and esteemed that any description of its many good qualities is needless. The list now offered includes nearly every shade of red, white, blue, yellow, etc.

CULTURE OF THE HYACINTH

FOR PLANTING HYACINTHS IN OPEN GROUND, the preferable season is September to November, but they can be set out at any later time as long as the ground is open. The best compost for their culture is one-third sand, one-third well-rotted cow manure, and one-third good garden mould; or, where the soil is naturally light, well-rotted cow manure liberally intermixed is all sufficient. The beds composed of the above compost should be well dug to a depth of fourteen inches, and raised from two to four inches above the level of the walk. The bulbs should be planted about six inches deep, and from five to six inches apart. Cut the roots out of the pots, rinse off the fibres in clean water, and wash the inside of the glass well. The water should never be allowed to freeze. When the flowers are well advanced, give them a shower of water every day.

FOR THE CULTURE OF HYACINTHS IN POTS, prepare the above compost, adding, if possible, a quantity of leaf mould, or use our Prepared Bulb Fibre. The most favorable time for planting is September, October and November for a succession of bloom, use a four or five-inch pot for a single bulb, and a seven-inch for three bulbs. Set the bulbs down in the soil and cover them: do not press them in too force, for this packs the soil under them, and when the roots start they are apt to lift the bulb. After planting, water and set away in a dark place until the pots are well filled with roots. Keep the earth moist, and bring to the light as wanted to bloom. Being exposed to the light for the first time, they are, of course, very delicate, care should, therefore, be exercised not to place them in the direct rays of the sun for two or three days.

FOR CULTURE IN GLASSES, the bulbs should be so placed that only the base touches the water; then place them for the first ten days, in a dark but cool closet or room, to promote the starting of the roots, after which expose them to light and air as much as possible; avoid placing them near gas-light. The water should be changed as it becomes impure; draw the roots entirely out of the pots, rinse off the fibres in clean water, and wash the inside of the glass well. The water should never be allowed to freeze. When the flowers are well advanced, give them a shower of water every day.

Choice Named Single Hyacinths

EXTRA SELECTED FIRST SIZE BULBS

Prices Per Dozen and Single Bulb Include Postage.

We offer the following named varieties at the uniform price of 25c each; $2.75 per dozen; $20.00 per 100.

SINGLE RED, ROSE AND PINK

ETNA, brilliant pink, large spike and flower, late flowering. GABIRALDI, brilliant carmine, very early. GENERAL DE WET, light pink, large spike, good flower. GENERAL PELISSIER, deep crimson, fine truss, early. GERTRUDE, deep rose, fine compact spike. GIANTINA, delicate pink, large bells. LADY DERBY, bright rose, large spike and flower, excellent for forcing or pot culture, large bulb. LA VICTORIE, brilliant dark pink, very large spike; one of the best. MARCONI, bright pink, large spike and flower; extra fine. MARIE CATHARINA, deep red, large spike. MORENO, winey pink; large truss and bells; extra fine variety. QUEEN OF PINKS, brilliant pink; large flower and spike; a great acquisition—one of the best. ROBERT STEIGER, bright crimson, a fine compact spike. ROI DES BELGES, bright scarlet, fine truss.

The above named Hyacinths, 25c each; $2.75 per dozen; $20.00 per 100.

If you want Flowers in your House this winter or in your Garden next spring, you must plant Bulbs this fall.

SINGLE PURE AND TINTED WHITE

ALBERTINE, pure white, early, good forcing variety. ARENTINE ARENDS, pure white, large spike and flower, very early; splendid for forcing. BLANCHE, pure white, large broad truss. BRITISH QUEEN, pure white, large truss; very early. CORREGIO, the large, fleshy bells are snow white, and form a perfect truss of great beauty and size; good forced. GENERAL VETTER, blush white, very large spike; splendid early forced. GRANDE BLANCHE, blush white, large spike and flower; early. LA GRANDESSE, pure white; with immense bells; one of the best in cultivation. L’INNOCENCE, pure white, extra large truss.

SINGLE BLUE, LAVENDER AND PURPLE

CAPTAIN BOYTON, bright lavender blue, with silvery shading; handsome long spike. ENCHANTRESS, delicate porcelain blue, large truss. GRAND MAITRE, deep porcelain blue, large truss. GRAND MONARQUE, light blue, large compact spike. KING OF BLUES, dark rich blue, splendid spike. MARIE, dark purple, very large spike. PERLE BRILLIANTE, light blue, large spike and flowers; late flowering. QUEEN OF BLUES, beautiful azure blue, large bells and handsome truss; late. REGULUS, light blue, large bells and spike.

SINGLE YELLOW

CITY OF HAARLEM, golden yellow, large well formed truss, extra fine. KING OF YELLOWS, pure yellow, large bell and spike. YELLOW HAMMER, golden yellow, fine large spike; one of the best.
Select Second-Size Named Single Hyacinths

These are smaller than our Extra Selected Exhibition or top size bulbs offered on page 1, but are fine flowering stock, and admirably adapted for pot culture and high-grade bedding where distinct shades of color are desired. We can furnish them in the following selected varieties at the uniform price of 20c each; $2.00 per dozen; $15.00 per 100.

SINGLE RED, ROSE AND PINK
CARDINAL WISEMAN, charming bright rose-pink, large spike.
GENERAL PELISSIER, deep crimson, fine truss, early.
GERTRUDE, deep rose, fine compact spike.
GIANT TEA, delicate pink, large bells.
LADY DERBY, bright rose, large spike and flower, excellent for forcing or pot culture, large bulb.
QUEEN OF PINKS, brilliant pink, large flower and spike.
ROBT. STEIGER, bright crimson, a fine compact spike.
ROI DES BELGES, bright scarlet, fine truss.

SINGLE PURE AND TINTED WHITE
ALBERTINE, pure white, early, good forcing variety.
ARENTE ARENSDEN, pure white, large spike, good forcer.
CORREGIO. pure white, large truss, good forcer.
GRANDE BLANCHE, blush white, large spike and flowers; early.
LA GRANDESSE, pure white, with immense bells, one of the best in cultivation.
L’INNOCENCE, pure white, extra large truss.

SINGLE BLUE, LAVENDER AND PURPLE
ENCHANTRESS, porcelain blue, large compact truss.
GRAND MAÎTRE, deep porcelain blue, large truss.
KING OF BLUES, dark, rich blue, splendid spike.
PERLE BRILLIANT, light blue, large spike and flowers.
QUEEN OF BLUES, beautiful azure blue, large bells and handsome truss; late.

SINGLE YELLOW
KING OF YELLOWS, pure yellow, large bell and spike.
YELLOW HAMMER, golden yellow, large spike.

Above named Hyacinths, 20c each; $2.00 per dozen; $15.00 per 100. Prices per dozen and single bulb include postage.

PREPARED BULB FIBRE
Growing bulbs, such as Dutch Hyacinths, Tulips and Narcissus in special prepared fibre has proven a great success. 50c per peck; $1.25 per bushel; $4.50 per bale. See page 9 for full description.

Round Bed of Named Single Hyacinths, Second-Size

This illustration represents a bed 15 feet in circumference, or 5 feet across, composed of 5 circular rows, requiring a total of 100 bulbs, planted 6 inches apart, as follows:

Combination No. 1. Center row contains 9 Red Hyacinths; second row contains 14 White Hyacinths; third row contains 20 Blue Hyacinths; fourth row contains 25 Pink Hyacinths; fifth row contains 32 Dark Blue Hyacinths.

Price $15.00, not prepaid.

Combination No. 2. Consists of 100 Un-named Hyacinths, mixed shades that will produce a charming effect.

Price $12.00; not prepaid.

Square Bed of Named Single Hyacinths, Second-Size

A bed six feet square divided diagonally into four equal parts, requires a total of 169 bulbs planted six inches apart.

PINK AND BLUE COMBINATION requires 85 Pink and 84 Blue Hyacinths.

Price for either Combination—Our Select Second Size, Named Hyacinths, $35.35, not prepaid.

Choice Un-named Single Hyacinths

FOR BEDDING AND FORCING IN SEPARATE COLORS AND MIXED SHADES

These are made up of varieties selected for beds and borders, or for forcing for cut flowers, and are of such superior quality as to be entirely satisfactory to florists who use large quantities of them. We offer the following un-named varieties at the uniform price of 15c each; $1.75 per dozen; $15.00 per 100.

Red, mixed shades, Pure White.
Rose. White, tinted. Dark Blue and Purple.

MINIATURE OR TALL SHAPE.

Belgian Blue, Claret, Crystal and Green colors. 35c each; $3.50 per dozen.

MATTE GREEN HYACINTH VASES. Tyre pattern. 50c each; $5.00 per dozen.

HYACINTH GLASSES

If you want Flowers in your House this winter or in your Garden next spring, you must plant Bulbs this fall.

For cultural notes see page 1.
TULIPS

Tulips are one of the most ornamental flowers grown; will thrive in any rich soil or situation if cultivated the same as the Hyacinth. Their brilliant colors impart a rich and beautiful appearance to the lawn in early spring. They can be grown in the house in pots and will force well with Hyacinths under the same treatment. For outdoor planting, October and November are the most favorable months. Have the ground well drained; plant from three to four inches deep and about six inches apart.

Darwin Tulips May Flowering

The Darwin are late May-flowering garden Tulips, producing very large bowl-formed flowers of symmetrical shape, on tall, strong stems, 2 to 3 feet high, and are effective grown in groups, in the shrubbery or herbaceous border. They far surpass in color and brilliancy anything before known in Tulips. They include almost every conceivable color and shade.

BARON TONNAY (26 inches.) Bright pink margined blush—base white, tinged blue. A long and beautiful flower. 7c each; 60c per dozen; $4.00 per 100.

BLUE AMIABLE. Heliotrope, inside dark violet-purple with a blue base; very large and handsome. 7c each; 78c per dozen; $5.00 per 100.

CLARA BUTT. A large flower of remarkable beauty; color soft salmon pink, shaded rose. 6c each; 50c per dozen; $3.50 per 100.

DREAM. Beautiful delicate lilac—large globular flower. 7c each; 65c per dozen; $4.50 per 100.

EUROPE. (Salmon King.) Glowing salmon scarlet, shaded rose, large distinct white base; one of the showiest bedders. 7c each; 65c per dozen; $4.50 per 100.

FARNCOMBE SANDERS. Immense flower of the most brilliant scarlet; one of the best and showiest. 7c each; 65c per dozen; $4.50 per 100.

GLOW. Brilliant, glowing vermilion; blue-black base, zoned white. 7c each; 75c per dozen; $5.00 per 100.

GORETCHEN. (Margaret.) A lovely large flower of globular form; outside soft blush; inside blush rose. 6c each; 50c per dozen; $3.50 per 100.

LA TULIPE NOIRE. Deep maroon black; the darkest and finest form of Darwin Tulip; strong stem and large flower. 7c each; 65c per dozen; $4.50 per 100.

MADAME KRELAGE. Soft lilac-rose, with a broad margin of bluish pink; large flower on a very tall stem; good for forcing. 7c each; 65c per dozen; $4.50 per 100.

PRIDE OF HAARLEM. Magnificently formed flower of immense size; color brilliant, deep salmon-rose, shaded with scarlet; electric blue base. 6c each; 50c per dozen; $3.50 per 100.

REV. EWBANK. Lilac mauve, shading to silvery heliotrope at edge, very beautiful and distinct color; good forcing. 7c each; 65c per dozen; $4.00 per 100.

WILLIAM COPLAND. Blue lilac; highly recommended for forcing. 7c each; 65c per dozen; $4.50 per 100.

FINEST MIXED. Great variety of all colors and shades. 6c each; 45c per dozen; $3.00 per 100.

Breeder Tulips

Breeders, formerly listed among the Cottage Tulips, really form a distinct class by themselves. These unbroken forms of the old Cottage Tulips are a most interesting class of Tulips. They have become very popular lately on account of their vivid, peculiar colors and vigorous growth. The enormous flowers carried on strong stems are very effective and especially suitable for garden decoration.

APRICOT. Bronzy buff, shaded orange, large peculiar shaped flower. 12c each; $1.20 per dozen; $8.50 per 100.

BRELLA QUEEN. (Chlo.) Delicate shade of brown, inside tinted golden bronze, beautiful tall stemmed flower of great substance; good forcer. 8c each; 85c per dozen; $6.00 per 100.

CARDINAL MANNING. (Goliath.) Dark wine red, flushed rosy bronze, very peculiar color; large flower. 8c each; 85c per dozen; $6.00 per 100.

DAVID PEDRO. A beautiful shade of coffee brown, shaded maroon, distinct attractive flower. 12c each; $1.20 per dozen; $8.50 per 100.

GODET PARFAIT. Bright violet, a very remarkable, beautiful color, large substantial flower. 12c each; $1.20 per dozen; $8.50 per 100.

LILY COMET. Fine lilac, immense flower. 10c each; 100c per dozen; $7.50 per 100.

LA SINGUIERIE. (Lord Curzon.) Silvery white, dark crimson, margined, very large. 10c each; $1.10 per dozen; $7.50 per 100.

LOUIS XIV. Rich dark purple, shaded steel blue, heavily flushed bronze, edged golden brown; enormous size and stately bearing. 30c each; $3.00 per dozen; $20.00 per 100.

MARIE LOUISE. Rose, flushed orange-salmon, a pleasing combination of colors; very attractive. 10c each; $1.00 per dozen; $7.00 per 100.

PANorama. Deep orange-red, shaded mahogany, large globular flower; good forcer. 10c each; $1.00 per dozen; $7.00 per 100.

PRINCE OF ORANGE. (Orange Beauty.) Orange scarlet with paler edge; large, beautiful flower. 12c each; $1.20 per dozen; $8.50 per 100.

MAGNIFICENT. Lilac shaded silverly white, base: a magn-
ificent Tulip. 10c each; $1.10 per dozen; $7.50 per 100.

TURBINE. (MacMahon.) Purplish brown with soft yellow edge, very large and early. 8c each; 85c per dozen; $6.50 per 100.

VELVET KING. (Dreadnaught.) Velvety black, en-
orous flower on strong stem; very showy. 15c each; $1.50 per dozen; $10.00 per 100.

YELLOW PERFECTION. Light bronze-yellow, edged golden yellow; very handsome flower. 10c each; $1.10 per dozen; $7.50 per 100.

If you want Flowers in your House this winter or in your Garden next spring, you must plant Bulbs this fall.

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Select Second-Size Named Single Hyacinths

These are smaller than our Extra Selected Exhibition or top size bulbs offered on page 1, but are fine flowering stock, and admirably adapted for pot culture and high-grade bedding where distinct shades of color are desired. We can furnish them in the following selected varieties at the uniform price of 20c each; $2.00 per dozen; $15.00 per 100.

SINGLE RED, ROSE AND PINK
CARDINAL WISEMAN, charming bright rose-pink, large spike.
GENERAL PELISSIER, deep crimson, fine truss, early.
GERTRUDE, deep rose, fine compact spike.
GIANTTEA, delicate pink, large bells.
LADY DERBY, bright rose, large spike and flower, excellent for forcing or pot culture, large bulb.
QUEEN OF PINKS, brilliant pink, large flower and spike.
ROBT. STEIGER, bright crimson, a fine compact spike.
ROI DES BELGES, bright scarlet, fine truss.

SINGLE PURE AND TINTED WHITE
ALBERTINE, pure white, early, good forcing variety.
ARETINE ARENDSEN, pure white, large spike, good forer.
CORREGIO, pure white, large truss, good forer.
GRANDE BLANCHE, blush white, large spike and flowers; early.
LA GRANDESSE, pure white, with immense bells, one of the best in cultivation.
L’INNOCENCE, pure white, extra large truss.

SINGLE BLUE, LAVENDER AND PURPLE
ENCHANTRESS, porcelain blue, large compact truss.
GRAND MAITRE, deep porcelain blue, large truss.
KING OF BULBS, dark, rich blue, splendid spike.
PERLE BRILLIANT, light blue, large spike and flowers.
QUEEN OF BULBS, beautiful azure blue, large bells and handsome truss; late.

SINGLE YELLOW
KING OF YELLOWS, pure yellow, large bell and spike.
YELLOW HAMMER, golden yellow, large spike.

PREPARED BULB FIBRE
Growing bulbs, such as Dutch Hyacinths, Tulips and Narcissus in special prepared fibre has proven a great success. $1.25 per peck; $4.50 per bushel. See page 9 for full description.

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Price $15.00, not prepaid.

Combination No. 2. Consists of 100 Un-named Hyacinths, mixed shades that will produce a charming effect.

Square Bed of Named Single Hyacinths, Second-Size

A bed six feet square divided diagonally into four equal parts, requires a total of 169 bulbs planted six inches apart.

PINK AND BLUE COMBINATION requires 85 Pink and 84 Blue Hyacinths.

Price for either Combination—Our Select Second Size, Named Hyacinths, $25.35, not prepaid.

Choice Un-named Single Hyacinths

FOR BEDDING AND FORCING IN SEPARATE COLORS AND MIXED SHADES

These are made up of varieties selected for beds and borders, or for forcing for cut flowers, and are of such superior quality as to be entirely satisfactory to florists who use large quantities of them. We offer the following unnamed varieties at the uniform price of 15c each; $1.75 per dozen; $12.00 per 100.

Rose. White, tinted.

Dark Blue and Purple. MIXED.
Light Blue. all colors.

Miniature or Dutch Roman Hyacinths

These may be planted close together in pots or boxes, also in beds in the open ground with charming effect. We can furnish named varieties in the following colors: Dark Red, Rose and Pink. Dark Blue, Light Blue, Pure White, and All Colors Mixed.

15c each; $1.00 per dozen; $10.00 per 100.

Collections of Named Single Hyacinths

Selection for Growing in Water. This selection is made up of sorts which are especially adapted for the purpose. 12 distinct named varieties $2.75

For cultural notes see page 1.

HYACINTH GLASSES

BELGIAN OR TALL SHAPE. Blue, Claret, Crystal and Green colors. 35c each; $2.50 per dozen.

MATT GREEN HYACINTH VASES. Tye pattern. 50c each; $5.00 per dozen.

Hyacinth Glasses and Lily Bowls CAN NOT be sent by mail.

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Darwin Tulips May Flowering

The Darwin are late May-flowering garden Tulips, producing very large bowl-formed flowers of symmetrical shape, on tall, strong stems, 2 to 3 feet high, and are effective in groups, in the shrubbery or herbaceous border. They far surpass in color and brilliancy anything before known in Tulips. They include almost every conceivable color and shade.

BARON TONNAVE (26 inches.) Bright pink margined blue, large flower. 7c each; 60c per dozen; $4.00 per 100.

BLUE AMIABLE. Heliotrope, inside dark violet-purple with a blue base; very large and handsome. 7c each; 75c per dozen; $5.00 per 100.

CLAIRA BUTT. A large flower of remarkable beauty; color soft salmon pink, shaded rose. 6c each; 50c per dozen; $3.50 per 100.

LEMON. Beautiful delicate lilac—large globular flower. 7c each; 65c per dozen; $4.50 per 100.

EUROPE. (Salmon King.) Glowing salmon scarlet, shaded rose, large distinct white base; one of the showiest bedders. 7c each; 65c per dozen; $4.50 per 100.

FARMCOMBE SANDERS. Immense flower of the most brilliant scarlet; one of the best and showiest. 7c each; 65c per dozen; $4.50 per 100.

GLOW. Brilliant, glowing vermilion; blue-black base, zoned white. 7c each; 75c per dozen; $5.00 per 100.

GREYCHEN. (Margaret.) A lovely large flower of globular form; outside soft blush; inside blush rose. 6c each; 50c per dozen; $3.50 per 100.

LA TULIPE NOIRE. Deep maroon black: the darkest and finest form of Darwin Tulip; strong stem and large flower. 7c each; 65c per dozen; $4.50 per 100.

MADAME KRELAGE. Soft lilac-rose, with a broad margin of blush pink; large flower on a very tall stem; good for forcing. 7c each; 65c per dozen; $4.50 per 100.

PRIDE OF HAARLEM. Magnificently formed flower of immense size; color brilliant, deep salmon-rose, shaded with scarlet; electric blue base. 6c each; 50c per dozen; $3.50 per 100.

REV. EUBANK. Lilac mauve, shading to silvery heliotrope at edge, very beautiful and distinct color; good forcer. 7c each; 60c per dozen; $4.00 per 100.

WHITE QUEEN. A large globular flower of pure white, faintly flushed with delicate blush. 7c each; 65c per dozen; $4.50 per 100.

WILLIAM COPLAND. Blue lilac; highly recommended for early forcing. 7c each; 65c per dozen; $4.50 per 100.

FINES MIXED. Great variety of all colors and shades. 6c each; 45c per dozen; $3.00 per 100.

Breeder Tulips

Breeders, formerly listed among the Cottage Tulips, really form a distinct class by themselves. These unbroken forms of the old Cottage Tulips are a most interesting class of Tulips. They have become very popular lately on account of their refined, peculiar colors and vigorous growth. The enormous flowers carried on strong stems are very effective and especially suitable for garden decoration.

APRICOT. Bronze buff, shaded orange, large peculiar shaped flower. 12c each; $1.20 per dozen; $8.50 per 100.

BRONZE QUEEN. (Clio.) Delicate shade of brown inside tinted golden bronze, beautiful tall stemmed flower of great substance; good forcer. 8c each; 85c per dozen; $6.00 per 100.

CARDINAL MANNING. (Goliath.) Dark wine red, flower rose bronze, very peculiar color; very large. 8c each; 85c per dozen; $6.00 per 100.

DOM PEDRO. A beautiful shade of coffee brown, shaded maroon, distinct attractive flower. 12c each; $1.20 per dozen; $8.50 per 100.

GODET PARFAIT. Bright violet, a very remarkable, beautiful color, large substantial flower. 12c each; $1.20 per dozen; $8.50 per 100.

KLOPSTOCK. Fine lilac, immense flower. 10c each; $1.00 per dozen; $7.50 per 100.

LA SINGULIERE. (Lord Curzon.) Silvery white, dark edges, margin angled, very large. 10c each; $1.10 per dozen; $7.50 per 100.

LOUIS XIV. Rich dark purple, shaded steel blue, heavily flushed bronze, edged golden brown; enormous size and stately bearing. 10c each; $2.00 per dozen; $20.00 per 100.

MARIE LOUISE. Rose, flushed orange-salmon, a pleasing combination of colors; very attractive. 10c each; $1.00 per dozen; $7.00 per 100.

PANORAMA. Deep orange-red, shaded mahogany, large globular flower; good forcer. 10c each; $1.00 per dozen; $7.00 per 100.

PRINCE OF ORANGE. (Orange Beauty.) Orange scarlet with paler edge; large, beautiful flower. 12c each; $1.50 per dozen; $8.50 per 100.

SAULON. Lilac shaded silvery white, white base; a magnificent Tulip. 10c each; $1.10 per dozen; $7.50 per 100.

TURNEE. (MacMahon.) Purplish brown with soft yellow edge, very large and early. 8c each; $8c per dozen; $6.00 per 100.

VELVET KING. (Drearnought.) Velvety black, enormous flower on strong stem; very showy. 15c each; $2.00 per dozen; $10.00 per 100.

YELLOW PERFECTION. Light bronze-yellow, edged golden yellow; very handsome flower. 10c each; $1.10 per dozen; $7.50 per 100.
Late May Flowering Single Tulips

This beautiful class is becoming more popular as it becomes better known. These Tulips are distinct from the early flowering sorts, coming into bloom two or three weeks later and extending the Tulip season over a period of four weeks or more. They are especially adapted for the permanent hardy flower border, where they should be liberally planted in clumps or masses. They may also be naturalized in grass, wild gardens, etc. For bedding they are superb, while as cut flowers they are much to be preferred to the early type, having long stems with flowers of great substance that will remain in perfect condition for a long time.

In planting, the bulbs should be set a little deeper than ordinary tulips, a covering of 4 inches being about right.

**BOUTON D'OR.** (Ida, Golden Beauty.) (21 inches.) Rich, deep golden yellow; a large, long stemmed, globular flower of finest substance; fine border and unequalled for cutting. 6¢ each; 50¢ per dozen; $3.50 per 100.

**GESNERIANA SPATHULATA.** (28 inches.) Intense crimson-scarlet, with glintering blue-black center. The tallest, largest flowered and showiest of all Tulips for bedding out in masses. Flowers of enormous size. 6¢ each; 55¢ per dozen; $3.75 per 100.

**GESNERIANA ROSEA.** (24 inches.) Very large flowers of a bright rose color, for cutting. 6¢ each; 50¢ per dozen; $3.50 per 100.

**GOLDEN CROWN.** (22 inches.) Large flowers with pointed petals, color rich yellow, petals faintly edged with red; a good border, sweet scented. 6¢ each; 50¢ per dozen; $3.50 per 100.

**INGLESCOMBE PINK.** (Salmon Queen.) (18 inches.) Bright rose-pink with a salmon sheen, large globular flower. 6¢ each; 50¢ per dozen; $3.50 per 100.

**INGLESCOMBE YELLOW.** Large globular flower, long stem, strong stock, good for bordering and cutting. May be called the Yellow Darwin Tulip on account of its Darwin Type. 6¢ each; 50¢ per dozen; $3.50 per 100.

**ISABELLA.** (Blushing Bride, Shandon Bells.) (18 inches.) Large, long, handsome flower, silvery white, suffused soft carmine-rose towards the edge; center creamy yellow and green. 6¢ each; 50¢ per dozen; $3.50 per 100.

**LA CANDEUR.** (Parisan White.) (15 inches.) Pure white changing to silvery pink; large egg-shaped flowers. 6¢ each; 55¢ per dozen; $3.75 per 100.

**LA MERVEILLE** (18 inches.) A magnificent variety with very large, sweet scented flowers; color, salmon-rose overlaid with orange-red; very effective in beds and borders. 6¢ each; 50¢ per dozen; $3.50 per 100.

**PARISIAN YELLOW.** (28 inches.) A beautiful, large, pure yellow of exquisite shade and shape; special value for cutting. 6¢ each; 50¢ per dozen; $3.50 per 100.

Single Early Tulips

The letters, a, b, c, following the varieties, indicate their earliness of bloom: the A’s flower together, and are the earliest; B, next, etc. The figures indicate the height attained in inches, to aid in arranging flower beds.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Height (inches)</th>
<th>Price per dozen</th>
</tr>
</thead>
<tbody>
<tr>
<td>BELLE ALLIANCE</td>
<td>10</td>
<td>$0.07 - $0.65</td>
</tr>
<tr>
<td>COTTAGE MAID</td>
<td>6</td>
<td>$0.07 - $0.65</td>
</tr>
<tr>
<td>CRIMSON KING</td>
<td>5</td>
<td>$0.06 - $0.65</td>
</tr>
<tr>
<td>DUCHESSE DE PARMA</td>
<td>7</td>
<td>$0.06 - $0.65</td>
</tr>
<tr>
<td>DUSART</td>
<td>9</td>
<td>$0.07 - $0.65</td>
</tr>
<tr>
<td>GRAND DUC (Keiserkroon)</td>
<td>9</td>
<td>$0.10 - $1.75</td>
</tr>
<tr>
<td>JOOST VAN VONDEL</td>
<td>8</td>
<td>$0.07 - $0.65</td>
</tr>
<tr>
<td>KING OF YELLOWS</td>
<td>9</td>
<td>$0.07 - $0.65</td>
</tr>
<tr>
<td>L’IMMACULEE</td>
<td>7</td>
<td>$0.06 - $0.65</td>
</tr>
<tr>
<td>MOLIERE</td>
<td>8</td>
<td>$0.06 - $0.65</td>
</tr>
<tr>
<td>PRIMROSE QUEEN</td>
<td>10</td>
<td>$0.06 - $0.65</td>
</tr>
<tr>
<td>PROSPERFINE</td>
<td>9</td>
<td>$0.06 - $0.65</td>
</tr>
<tr>
<td>PROSPERITY</td>
<td>9</td>
<td>$0.06 - $0.65</td>
</tr>
<tr>
<td>VERMILION BRILLIANT</td>
<td>9</td>
<td>$0.06 - $0.65</td>
</tr>
<tr>
<td>WHITE SWAN</td>
<td>9</td>
<td>$0.06 - $0.65</td>
</tr>
<tr>
<td>YELLOW PRINCE</td>
<td>7</td>
<td>$0.06 - $0.65</td>
</tr>
<tr>
<td>THREE CROWNS</td>
<td>8</td>
<td>$0.06 - $0.65</td>
</tr>
<tr>
<td>FINE MIXED</td>
<td>8</td>
<td>$0.06 - $0.65</td>
</tr>
</tbody>
</table>

**BEDS OF SINGLE EARLY TULIPS**

A bed eighteen feet in circumference or six feet across, requires a total of 200 bulbs planted five inches apart.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price per dozen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow and Scarlet Combination</td>
<td>$0.07 - $0.65</td>
</tr>
<tr>
<td>White, Crimson and Yellow Combination</td>
<td>$0.07 - $0.65</td>
</tr>
</tbody>
</table>

Price for either Combination, $7.00 each; not prepaid.

The above combinations are prepared from Named Varieties that will bloom together.

**McCULLOUGH'S 'PREMIER' combination of SINGLE TULIPS** consists of 200 superfine mixed Single Tulips, embracing a wide range of beautiful colors. Price $4.00; not prepaid.

If you want Flowers in your House this winter or in your Garden next spring, you must plant Bulbs this fall.

**MAY FLOWERING TULIPS**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price per dozen</th>
</tr>
</thead>
<tbody>
<tr>
<td>PICOTEE</td>
<td>$3.50 - $4.50</td>
</tr>
<tr>
<td>SWEET NANCY</td>
<td>$3.50 - $4.50</td>
</tr>
<tr>
<td>CHOICEST MIXED</td>
<td>$3.00 - $4.00</td>
</tr>
</tbody>
</table>

Prices for dozen and single bulb include postage.
**Double Tulips**

This class of Tulips is one of the most valuable. The earlier varieties are admirably adapted for pot culture and form a pleasing contrast to the Single Tulips in the greenhouse or conservatory. When planted in the open border they are very showy, and a succession of bloom may be had by a judicious selection from the earlier and later varieties. The Rex Rubrorum and La Candeur form a dense mass of bloom when grown in beds and the flowers remain in perfection of bloom longer than those of the single varieties. For Cultural Directions, etc., See Tulips, Page 3.

**CATALOG**

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Price Per Dozen</th>
<th>Price Per 100 Doz.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COURONNE D'OR</strong>, b8, golden yellow flushed orange, large handsome flower; excellent for growing in pots or beds.</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
<tr>
<td><strong>DUKE OF YORK</strong>, b8, carmine edged white; good for bedding and late forcing.</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
<tr>
<td><strong>GLORIA SOLIS</strong>, a7, deep crimson with broad golden margin; very large.</td>
<td>$4.50</td>
<td>$45.00</td>
</tr>
<tr>
<td><strong>IMPERATOR RUBRORUM</strong>, a9, rich crimson-scarlet; extra fine for forcing.</td>
<td>$5.00</td>
<td>$50.00</td>
</tr>
<tr>
<td><strong>LA CANDEUR</strong>, b8, pure white, extensively grown for bedding.</td>
<td>$5.00</td>
<td>$50.00</td>
</tr>
<tr>
<td><strong>MURILLO</strong>, b8, blush white shaded rose, large flowers; fine for forcing and bedding.</td>
<td>$5.00</td>
<td>$50.00</td>
</tr>
<tr>
<td><strong>RUBRA MAXIMA</strong>, a9, dark crimson-scarlet; splendid early forcer and good bedding.</td>
<td>$5.00</td>
<td>$50.00</td>
</tr>
<tr>
<td><strong>SCHOONOORD</strong>, b10, the finest double white; a sport from Murillo.</td>
<td>$5.00</td>
<td>$50.00</td>
</tr>
<tr>
<td><strong>TEA ROSE</strong>, b10, saffron-yellow changing to rosy apricot; good forer for growing in pots and pans.</td>
<td>$6.00</td>
<td>$60.00</td>
</tr>
<tr>
<td><strong>TOURNESOL</strong>, a7, scarlet margin yellow; one of the best for forcing.</td>
<td>$5.00</td>
<td>$50.00</td>
</tr>
<tr>
<td><strong>SEPARATE COLORS</strong>, Pink, Red, Striped Red and Yellow; White and Yellow.</td>
<td>$4.25</td>
<td>$42.50</td>
</tr>
<tr>
<td><strong>FINE MIXED</strong>, including all colors and shades.</td>
<td>$5.00</td>
<td>$50.00</td>
</tr>
</tbody>
</table>

Prices Per Dozen and Single Bulb Include Postage

**McCULLOUGH'S "NORWOOD" collection of DOUBLE TULIPS** consists of 200 superfine, mixed double Tulips. Price, $7.00, not prepaid.

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**CROCUS**

This brilliant and universally admired spring flower will thrive in any soil or situation, but to be brought to the highest perfection it should be grown in an open bed or border of deep, rich, sandy loam. When planted in large groups or lines of distinct colors, the effect is very striking and the bulbs are now offered so cheap as to justify their liberal use. They are invaluable for pot culture. To secure a succession of bloom, commence planting early in October: 6 to 8 bulbs in a pot (the named varieties are best for this purpose), using rich soil and planting about an inch deep. Place the pots on a surface of ashes, cover the top one inch deep with soil and the leaves appear, when they may be removed to the house.

**LARGE FLOWERING NAMED CROCUS**

These are large bulbs of the best varieties, remarkable for richness of color and size of their flowers, and are the best to use for pot culture or where extra fine results are wanted.

<table>
<thead>
<tr>
<th>Item Name</th>
<th>Per Doz.</th>
<th>Per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ALBION</strong>, lavender, striped white and violet</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
<tr>
<td><strong>BARON BRUNOW</strong>, purplish mauve, shading to deep purple at tips</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
<tr>
<td><strong>KING OF BLUES</strong>, light blue, large flower</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
<tr>
<td><strong>KING OF WHITES</strong>, pure white; extra large flower</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
<tr>
<td><strong>LA MAJESTEUSE</strong>, violet striped white; large flower</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
<tr>
<td><strong>LADY STANHOPE</strong>, white, extra large</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
<tr>
<td><strong>MAMMOTH YELLOW</strong>, large golden yellow</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
<tr>
<td><strong>MAY KING</strong>, large, pure white; extra</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
<tr>
<td><strong>NON PLUS ULTRA</strong>, light blue, with white border</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
<tr>
<td><strong>PRINCE ALBERT</strong>, dark blue; extra fine</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
<tr>
<td><strong>SIR WALTER SCOTT</strong>, white, striped with violet</td>
<td>$0.40</td>
<td>$4.00</td>
</tr>
</tbody>
</table>

**MIXED CROCUS**

The bulbs offered under this head are smaller than our Large Flowering Named Sorts, but are quite satisfactory for planting in the grass or for any position out of doors.

<table>
<thead>
<tr>
<th>Color</th>
<th>Per Doz.</th>
<th>Per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue and Purple</td>
<td>$0.30</td>
<td>$3.00</td>
</tr>
<tr>
<td>Striped and Variegated White</td>
<td>$0.30</td>
<td>$3.00</td>
</tr>
<tr>
<td>Yellow</td>
<td>$0.30</td>
<td>$3.00</td>
</tr>
<tr>
<td>Mixed</td>
<td>$0.30</td>
<td>$3.00</td>
</tr>
</tbody>
</table>
NARCISSUS OR DAFFODILS

A beautiful class of early blooming flowers, both for outdoor blooming and for use as cut flowers in the house. Their delicious fragrance, easy culture and thriftiness entitled them to the greatest popularity. The double and single sorts are perfectly hardy and need not be disturbed oftener than once in three or four years, and not then unless they have become too much crowded by offsets.

Plant in the fall in good garden soil, about three or four inches deep and two to six inches apart.

SINGLE NARCISSUS

BARRI CONSPIQUA. Large, broad yellow perianth; broad, short crown edged with scarlet; a robust, strong grower and free bloomer; should be grown in quantity for cutting, as it lasts longer than most sorts. 15c each; $1.50 per dozen; $9.00 per 100.

EMPEROR. Perianth deep primrose-yellow, trumpet large, rich golden yellow; one of the finest Daffodils in cultivation; should be in every collection: a magnificent flower, much prized for cutting. 20c each; $1.75 per dozen; $12.00 per 100.

EMPERESS. Perianth white, trumpet rich yellow, serrated at edges; a magnificent large variety, bold, erect and of rare beauty for cutting. 20c each; $1.75 per dozen; $12.00 per 100.

GOLDEN SPUR. Perianth deep yellow, trumpet golden yellow; a charming, highly perfumed flower, flowering early and freely. 20c each; $1.75 per dozen; $11.00 per 100.

POETICUS. (Pleasant’s Eye or Poet’s.) Flowers pure white with distinct red crown; sweet scented. 12c each; $1.25 per dozen; $9.00 per 100.

POETICUS OEBNATUS. Large, pure white flowers, saffron cup, tinted with rosy scarlet; very early. 12c each; $1.25 per dozen; $9.00 per 100.

PRINCEPS MAXIMUS. Large flowers with light yellow perianth and deep yellow trumpet. 15c each; $1.50 per dozen; $9.00 per 100.

VICTORIA. Perianth creamy white, trumpet rich yellow, delicately perfumed; a strong grower with massive flowers which stand boldly erect. 20c each; $1.75 per dozen; $12.00 per 100.

DOUBLE NARCISSUS

VON SION. The famous “Old Double Yellow Daffodil,” rich golden yellow perianth and trumpet; one of the best forcing sorts. 20c each; $1.75 per dozen; $12.00 per 100.

Polyanthus Narcissus

Beautiful, free flowering, deliciously sweet scented flowers of the easiest culture, suitable for forcing or for growing in water in the same way as the Chinese Sacred Lilies. Their tall spikes of bloom bear from 6 to 12 flowers each.

PAPER WHITE GRANDIFLORA. An improved large flowering form of the Paper White, possessing all the good qualities of that popular and easily-grown variety. It is more vigorous and earlier, producing pure white flowers of large size and good substance in large trusses. Is largely used for early forcing for cut flowers, being brought in without difficulty early in December. Can be grown in bowls of water and pebbles the same as Chinese Lilies.

Selected Bulbs, 8c each; $0.80 per dozen; $6.00 per 100.

Mammoth Bulbs, of special value for growing in water. 12c each; $1.25 per dozen; $8.00 per 100.

GRAND SOLIEL D’OR. Rich yellow flower with orange cup. 20c each; $1.75 per dozen; $11.00 per 100.

Chinese Sacred Lily or Oriental Narcissus

All orders should include these bulbs, as they have become most popular through their own merits, flowering in water and gravel in five or six weeks from time of planting.

They grow well in pots of soil, but the most popular way of blooming them is as follows:

SELECT BULBS, 20c each (if by mail, 25c each); by express not prepaid $0.80 per dozen.

LILY BOWLS. For Chinese Sacred Lilies and Polyanthus Narcissus; to hold one bulb, 25c each; 3 bulbs, 50c each. Cannot be sent by mail.

PEBBLES, for filling Lily Bowls, 10c per quart.

If you want flowers in your House this winter or in your Garden next spring, you must plant Bulbs this fall.
Chionodoxa
GLORY OF THE SNOW

A hardy, early flowering bulbous plant which is closely allied to the Scilla but differs among other characters in having short tube to the corolla. A good companion to the Scilla and Snowdrop.

GIANTAE. Light blue, white eye, large flowered. 7c each; 76c per dozen; $5.00 per 100.

LUCILLAE. Bright blue with white eye. 5c each; 45c per dozen; $2.00 per 100.

Grape Hyacinths
MUSCARIA

Charming, hardy spring flowering bulbs. They are something like the Hyacinth but the clusters are smaller and the individual flowers are smaller and of different shape; invaluable for naturalization.

BOTRYOIDES ALBA. White, 5c each; 45c per dozen; $2.50 per 100.

BOTRYOIDES COERULEA. Blue, 5c each; 35c per dozen; $2.50 per 100.

HEAVENLY BLUE. The best and largest of the Grape Hyacinths. Good for pot culture as well as for outdoors. 5c each; 45c per dozen; $3.00 per 100.

Calla Lilies
RICHARIA

An old favorite, and of easy culture, the only requisite for successful culture being rich soil and plenty of water when growing. By allowing them to rest through the summer, an abundance of bloom may be had the following winter.

WHITE CALLA OR LILY OF THE NILE

This old favorite is too well known to require any description.

Monkster Bulbs, postpaid........ 35c each; $3.00 per dozen
Extra Large Bulbs, postpaid..... 50c each; $5.00 per dozen
Large Bulbs, postpaid............ 25c each; $2.50 per dozen
ELLIOTTIANA. A yellow Calla of great beauty. It has the habit of growth of the white variety, with flowers of same size and shape, but of a rich golden yellow color the foliage is dark green, with a number of creamy white spots, which add much to its beauty. 40c each; $4.00 per dozen.

GODFREY OR EVERBLOOMING CALLA. Short, sturdy growth; very free flowering; medium sized white flowers; excellent for cutting. 5c each; $2.50 per dozen.

Extra Large Bulbs, 35c each; $3.50 per dozen.

Scilla Squills—Harebell

Very early flowering bulbs, doing well in ordinary soil, producing fine, graceful spikes of bell-shaped flowers. Very showy and attractive as pot plants, and require about the same treatment as Hyacinths. The Scilla Campanulata are splendid for naturalizing, because they will flower in shady places. Scilla Siberica is used as a companion to Crocus for borders or masses.

Campanulata Blue Queen. Large bright blue flowers. 5c each; 50c per dozen; $3.50 per 100.

Siberica. A perfect gem, with flowers of richest blue, dwarf and hardy, excellent planted with Crocus and Snowdrops, or in borders and masses. 6c each; 60c per dozen; $4.00 per 100.

Snowdrops

One of the earliest white flowers of spring. They should be planted in beds in the border, or in clumps in the lawn, and will endure any amount of hard treatment: still, no flower better repays care and attention. Plant the bulbs in September or October—the earlier the better—to enable them to become well-established before freezing weather. Set about two or three inches deep, and one inch apart, in clumps or triple rows; if planted singly they are not conspicuous. The bulbs should not be kept long out of the ground, and should not be disturbed oftener than once in 2 or 3 years. For growing in pots or baskets, the double are the better.

Single Flowering, 5c each; 45c per dozen; $3.00 per 100.
Double Flowering, 8c each; 85c per dozen; $7.00 per 100.

Freezia, Improved Purity

This is one of the most popular and charming bulbs we offer for pot culture, flowering in the winter and spring, in the conservatory or window garden. Six bulbs should be planted in a four inch pot. They force rapidly, and can be had in bloom by Christmas if desired. The flowers are produced six to eight on stems about nine inches high, and are particularly useful for cutting, remaining in good condition, kept in water, for two weeks.

IMPROVED PURITY. A distinct and greatly improved type producing large sprays of pure white flowers with a yellow bledted throat of immense size and delicious fragrance. It is very free blooming and of great value for forcing for cut flowers.

Large Bulbs................... 25c per dozen; $2.00 per 100
Mammoth Bulbs................. 45c per dozen; $3.25 per 100
Monster Bulbs.................. 60c per dozen; $4.00 per 100
RAINBOW. We can now supply this long waited for, beautiful colored Freezia.
Orange, Large Bulbs............. 65c per dozen; $5.00 per 100
Persian, Pink, large bulbs... 66c per dozen; $5.00 per 100
Finest Mixed, all colors........ 55c per dozen; $4.00 per 100

LILY OF THE VALLEY

This popular and fragrant flower should receive more attention than is usually given. Like most other plants it will repay for being well treated, and if given a liberal top-dressing of well-rotted stable or sheep manure in fall or early spring, it will show the effect by increased size and vigor of the flowers. We offer strong clumps suitable for out door planting.

50c each; $5.00 per dozen; $40.00 per 100; by mail, 60c each.

For prices on Lily Bowls, Marble Chips, Pearl Chips, Pebbles, Mica Grit and Prepared Bulb Fibre or Peat Moss, see page 9.

SUBURBAN LAWN GRASS SEED

Suburban Lawn Grass Seed, sown in fall, makes beautiful and permanent lawns. See page 12.

If you want Flowers in your House this winter or in your Garden next spring, you must plant Bulbs this fall.
LILIES

No class of plants capable of being cultivated out of doors possesses so many charms. Rich and varied in color, stately and handsome in habit, profuse in variety, and of delicious fragrance, they stand out prominently from all other hardy plants, and no herbaceous border, however select, should be without a few of its best sorts. With a well selected collection, Lilliums may be had in bloom from June until October.

Culture. They should be planted in good, rich, loamy soil, abundantly mixed with very rotten cow manure. Plant about four inches deep, and during the winter it is advisable to cover the surface of the bed with a thin layer of manure, which will not only afford a slight protection to the bulbs, but will materially enrich the soil. In spring the manure may either be removed or dug in between the rows.

Pot Culture. The best soil to use is a rich loam, with the addition of one-third well-rotted manure. Select a large sized pot, say eight or ten inches, so as to allow of deep planting — most essential matter where there are upper roots to protect. Dust a little charcoal about the bulb to keep it fresh, and cover at least two inches with soil.

After potting, one of the most important things to observe is the proper placing of the pots containing the bulbs. Like all other bulbs, to get the best results in flowering, the pots must be filled with roots before the top starts to grow; and to do this, they must be placed in some cool place and excluded from the light, until, on examination the roots are found to be formed around the ball of earth.

Orders for Lilies cannot be filled before November, excepting Candidum and Harrisii, which are ready August 1.

Prices on single bulbs are postpaid. By the dozen or hundred, they will be forwarded at expense of purchaser.

AURATUM. (Golden-banded Lily.) Undoubtedly one of the finest. Its large, graceful, fragrant flowers are composed of six petals of a delicate ivory-white color, thickly studded with chocolate crimson spots, and striped through the center with a golden yellow band; 3 to 5 feet.

Large Bulbs, 8 to 9 inches, 30c each; $2.75 per dozen;
Extra Large Bulbs, 9 to 11 inches, 40c each; $4.00 per dozen; $30.00 per 100.

CANDIDUM. (Annunciation or Madonna Lily.) The flowers are pure white and very fragrant, borne on long stems. To succeed with it, it should be planted early in the autumn, so that it can make some growth before frost; 3 to 4 feet; May-June.

Large Bulbs, 25c each; $2.50 per dozen; $17.50 per 100.
Extra Large Bulbs, 35c each; $3.50 per dozen; $25.00 per 100.

LONGIFLORUM FORMOSUM. The plant grows about 3 feet high and produces beautiful, snow-white, trumpet-shaped flowers, 6 to 8 inches long. It is perfectly hardy, blooming in the open in June and July. This Lily is also a very important winter flowering type.

Large Bulbs, 7 to 9 inches, 25c each; $2.50 per dozen; $17.50 per 100.

HARRISII (Bermuda Easter Lily.) This splendid Lily is undoubtedly one of the best for house culture, as it comes quickly into bloom and flowers freely. The flowers are trumpet-shaped, pure waxy-white and delightfully fragrant.

Extra Large Bulbs, 7 to 9 inches; 40c each; $4.00 per dozen; $30.00 per 100.

LONGIFLORUM GIGANTEUM. A splendid type, later flowering than the others, but of strong, free, healthy growth, and while it can be forced into bloom for Easter it is just the thing for Decoration Day and later flowering; quite hardy and good for outdoor planting.

Large Bulbs, 7 to 9 inches 35c each; $3.50 per dozen; $25.00 per 100.

REGAL (The Regal Lily.) This grand new species is acknowledged to be the finest Lily in cultivation and is undoubtedly the most popular novelty that has been offered for many years. It is absolutely hardy and is excellent for forcing under glass. The white flowers are long, trumpet-shaped, slightly suffused with pink, with a beautiful shade of canary yellow at the centre, extending part way up the trumpet. It is delightfully perfumed, but without the heavy, oppressive odor of most Lilies. 60c each; $6.50 per dozen.

SPECIOSUM. "Japan Lily." The varieties of this class are magnificent border plants, and also excellent for pot culture. All are perfectly hardy, and are among the most satisfactory Lilies to grow.

Speciosum Album. Pure white, very fragrant.
Large Bulbs, 8 to 9 inches, 40c each; $4.00 per dozen; $30.00 per 100.
Extra Large Bulbs, 9 to 11 inches, 60c each; $6.50 per dozen.

Speciosum Rubrum or Roseum. White, suffused and spotted with crimson.
Large Bulbs, 8 to 9 inches. 30c each; $2.75 per dozen; $20.00 per 100.
Extra Large Bulbs, 9 to 11 inches, 40c each; $4.00 per dozen; $30.00 per 100.

TIGRINUM. "Tiger Lily." Orange-salmon, spotted with black. 25c each; $2.25 per dozen; $17.50 per 100.

If you contemplate making a Lily bed, kindly give us dimensions of same, and we will be pleased to submit you an estimate, stating suitable varieties and lowest cost.

If you want Flowers in your House this winter or in your Garden next spring, you must plant Bulbs this fall.
CATALOG OF BULBS, 1926

Lily Bowls
For Chinese Sacred Lilies and Polyanthus Narcissus
LILY BOWLS, to hold 2 bulbs, 25c each.
LILY BOWLS, to hold 3 bulbs, 35c each; 4 bulbs, 50c each; 6 bulbs, 75c each.
FANCY LILY BOWLS. Assorted colors, to hold 3 bulbs, 50c each; 4 bulbs, 75c each; 6 bulbs, $1.00 each.
MARBLE CHIPS for filling Lily Bowls............. 5c per lb.
PEARL CHIPS for Lily Bowls.................. 15c per lb.
PEBBLES, for filling Lily Bowls................ 10c per quart.
MICA GRYT, for filling Lily Bowls.............. 15c per quart.

Iimported Granulated Peat Moss

Growing bulbs, such as Dutch Hyacinths, Tulips and Narcissus in special prepared fibre has proven a great success.

McCullough’s Selected Flower Seeds

For Fall and Winter Sowing

On the following pages we give a list of the Best Hardy Perennials which are now so deservedly popular. Sown this fall in a cold frame or protected corner of the garden, you can have, with little trouble, an abundant supply of Columbines, Canterbury Bells, Delphiniums, Foxgloves, Galillardias, Hollyhocks, Forget-me-nots, Daisies, Sweet Williams, etc., the following season. The list also includes a choice selection of other Flower Seeds for autumn sowing, such as Cyclamens, Pansies, Primulas, etc.

1—ABUTILON. (Chinese Bell Flower.) Finest mixture. Half hardy perennial.................. 10c pkt.
7—ALYSSUM, Little Gem or Carpet of Snow. Dwarf compact habit; pure white flowers. ½ oz., 20c; oz., 50c; 10c pkt.
9—ALYSSUM, Sweet. Of trailing habit; flowers white. Hardy annual.................. ½ oz., 15c; oz., 30c; 10c pkt.

ANTIRRHNINUM (Snapdragon) Half-hardy Perennial

TALL, GIANT FLOWERING

Flowers nearly double the size of the older sorts
14—Apple Blossom. Rosy pink, with white tube........ 10c pkt.
15—Dress. Fiery scarlet........................ 10c pkt.
16—Diamond. Carmine scarlet, lilac tube............ 10c pkt.
17—Old Gold. Deep golden yellow................. 10c pkt.
18—Snowflakes. Pure white with yellow tube........ 10c pkt.
19—The Rose. Rose pink........................ 10c pkt.
20—Special Collection. One packet each of the above 6 varieties.................. 10c pkt.
21—Tall Giant Mixed. A splendid mixture, containing all the colors, magnificent, large individual flowers. ½ oz., 30c; oz., $1.00; 10c pkt.

Semi-Dwarf Giant Flowering

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tones.
24—Golden Queen. Pure yellow................... 10c pkt.
25—Grenadier. Orange scarlet, white tube........ 10c pkt.
26—Purity. Pure white.......................... 10c pkt.
27—Silver Pink. Pearly pink, self colored........ 10c pkt.
28—Special Collection. One packet each of the above 6 varieties.................. 50c.
29—Half-Dwarf Mixed. Large variety of colors; best for bedding..................... ½ oz., 20c; 10c pkt.

AQUILEGIA OR COLUMBINE

Hardy Biennial

88—Coerulea Hybrids, "Rose Queen." Large, long-spurred flowers, shading from light pink to dark rose with white center and yellow anther. 3 pkts., 25c; 10c pkt.
89—McCullough’s Long-Spurred Hybrids. Blue, white, yellow, orange, scarlet and bright rose-pink in large flowers with long spurs............. 3 pkts., 25c; 10c pkt.
90—Double. All colors, mixed.................... ½ oz., 25c; 10c pkt.
91—Single. All colors, mixed.................... ½ oz., 25c; 10c pkt.

Granulated Peat Moss is native Bulb Fibre, now being used for home bulb forcing. Hyacinths, Tulips, Lily of the Valley, Narcissus, Crocus, Snow Drops, etc., bloom luxuriously therein. Use bowls without any drainage holes at the bottom. Moisten the Granulated Peat Moss allowing surplus water to drain off and fill the bowl or dish 2-3 full. Arrange the bulbs and water occasionally, just enough to keep the Moss damp.

Ferns, Palms and other potted foliage plants that are placed in lardinières or window boxes, will keep wonderfully well, if the space between the pots is filled in with moistened Granulated Peat Moss to the height of the shoulder of the plant pots. Flower pots are porous, and the capillary attraction of the roots draws the moisture from the moss through the pots; furthermore the air is allowed free access and is always somewhat damp—a natural condition for most pot plants.

This Granulated Peat Moss or Mull is especially selected for horticultural purposes. It is finely granulated, of little weight, and is entirely free from foreign matter. It is packed in compressed bales, burlapped on all sides, and wire strapped. When loosened the contents will cover 240 sq. ft. 1 inch deep. It is not sold by weight, because the weight of the bale is dependent on its moisture content, which varies according to atmospheric conditions.

A few of the many purposes for which it is used: Fertilizer Carrier, Mulching, Cold Frames, Lawns, Improving Soils, Propagating, Cuttings, Landscape Work, Benches (Greenhouse), Golf Courses, Packing, Storing Bulbs, Potting, Layering, Seed Beds, etc. Send for booklet giving detailed information.

Prices: 50c per peck; $1.25 per bushel; large bale (13 cu. ft. and covers 240 sq. ft. one inch deep).............. $4.50
BELLIS. (English Daisy.) Half-hardy perennials.

103—Longfellow. Large, double, dark pink... 10c pkt.
104—Snowball. Double white flowers... 10c pkt.
105—Giant Double Mixed. Extra fine mixture... 10c pkt.
106—CALCEOLARIA. Hybrida Grandiflora. Large flowers of fine form, rich colors, beautifully spotted and marbled; finest strain in cultivation. Greenhouse perennial... 10c pkt.

CAMPANULA. (Canterbury Bells.) Hardy biennial. Calycanthema. (Can and Saucer Canterbury Bells.)

115—Pink. Delicate rose-pink... 10c pkt.
116—Blue. A fine clear shade... 10c pkt.
117—White. Pure white... 10c pkt.
118—Finest Mixed. All colors of the Cup and Saucer type... ½ oz., 50c; 10c pkt.

Medium. (Single Canterbury Bells.)

119—Single Mixed. All colors... ½ oz., 30c; 10c pkt.
120—Double Mixed. All the double-flowering medium varieties... ¼ oz., 40c; 10c pkt.

CANDYTUFT. Hardy annual.

121—Giant Hyacinth Flowered. Pure white flowers in a pyramid of bloom... ¼ oz., 25c; oz., 40c; 10c pkt.
122—Rose Cardinal. Bright carmine rose... 10c pkt.
124—White Rocket. Pure white... ¼ oz., 25c; 10c pkt.
125—Dwarf Hybrids Mixed... 10c pkt.
126—Mixed Colors. ½ oz., 15c; oz., 25c; 10c pkt.

HARDY CANDYTUFT. (See Iberis.)

CARNATION. Half-hardy perennials. Indispensable both for greenhouse culture in winter and the garden in summer.

129—Marguerite. Is best for summer flowering. Finest mixed; excellent for cutting... ¼ oz., 50c; 10c pkt.

153—CINERARIA. H y b r i d a Grandiflora. Large flowering exhibition varieties embracing the richest and most varied showy and attractive colors. Greenhouse annual... 25c pkt.
114—COREOPSIS. Lanceolata Grandiflora. Bright golden yellow flowers with broad fringed petals on long stems; excellent for cutting. Hardy perennial... ¼ oz., 25c; 10c pkt.

DELFINIUM. (Hardy Perennial Larkspur.) One of the most choice blue-flowered flowers that we have. Very effective planted in beds, masses or borders. Plant 1½ to 2 feet apart each way. Perennial varieties should be sown in the fall or early in the spring, transplanting to the open ground. Hardy perennial.

175—Giant-Flowering Hybrids. These magnificent Hybrids, produce beautiful spikes of immense flowers, single, semi-double and double. Flower spikes are from 2 to 3 feet in length. Colors are beautiful, ranging from pure white through all shades of lavender and blue... 10c pkt.
177—Bellamoseum. Beautiful spikes of blue flowers... 10c pkt.
178—Chinese Varieties, Mixed. Contain a great variety of shades, from pure white to gentian-blue... 10c pkt.
181—DIANTHUS. Plumarius Semperflorens. (Ever-blooming Hardy Garden Pink.) Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of colors... 10c pkt.

DIANTHUS BARBATUS. (See Sweet William.)

186—DIGITALIS. (Foxglove.) Hardy biennial. A splendid strain; 3 to 5 feet. Finest Mixed... 10c pkt.
205—GAILLARDIA. Grandiflora. (Blanket Flower.) The flowers are of enormous size and the colors the most varied; in flower for about three months. Hardy perennial. 2 feet... 10c pkt.
219—HIBISCUS. (Marshmallow. Mallow Marvels. Immense flowers from 5 to 10 inches in diameter, in the following colors: fiery-crimson, blood-red, shell-pink and white. Hardy perennial... 10c pkt.

HOLLYHOCK. For planting among shrubbery or forming a background for other flowers, it is without an equal. Hardy perennial.

220—Chater's Double Pink... 10c pkt.
221—Chater's Double Rose... 10c pkt.
222—Chater's Double Scarlet... 10c pkt.
223—Chater's Double White... 10c pkt.
224—Chater's Double Yellow... 10c pkt.
225—Chater's Prize, Double Mixed. Unrivaled in richness and delicacy of color. 3 pkt., 25c; 10c pkt.
226—Mammoth Fringed Allegheny. Mammoth flowers; the colors range from the palest shrimp-pink to deep red. 6 to 7 feet. 3 pkt., 25c; 10c pkt.
227—Single. Finest Mixed; all colors... 10c pkt.

IBERIS. (Hardy Candytuft.)

222—Semprevirens. A white-blooming plant, coming in flower early in the spring; much used for cemeteries, rockeries, etc. 1 foot. Hardy perennial... 10c pkt.

LATHYRUS. (Everlasting, or Hardy Pea.) Free-flowering climbers; continually in bloom; fine for cutting. Hardy perennial.

240—Lathalilius "White Pearl." The finest white... 10c pkt.
241—Pink Beauty. Rosy pink... 10c pkt.
242—Mixed. All colors... ¼ oz., 15c; oz., 40c; 10c pkt.

MIGNONETTE. (Reseda.) Half-hardy annual.

257—Defiance. Enormous spikes, with individual florets of immense size; fragrant; excellent for forcing... ¾ oz., 20c; 10c pkt.
258—Machet. Dwarf pyramidal growth, large spikes; fragrant; one of the best for forcing; ½ oz., 15c; 10c pkt.
259—Sweet-scented. The old variety but very sweetly scented... oz., 20c; 10c pkt.

MYOSOTIS. (Forget-me-not.) Half-hardy perennial.

265—Alpestris Victoria. Early flowering, of bushy habit, bearing large, bright azure-blue flowers... 10c pkt.
266—Palustris Semperflorens. Dwarf, continuing in bloom from early spring until autumn; blue flowers... 10c pkt.

PHLOX DECUSATA. Hardy perennial.

339—Mixed. In the greatest variety of colors. 3 feet... 10c pkt.

POPPY. Hardy Perennials. Iceland. (Papaver Nudicaule.) Most hardy, with bright scarlet, fern-like foliage, formed in tufts, bearing brilliant flowers in endless profusion on slender stalks about 12 inches high...

345—Finest Mixed. All colors... ½ oz., 25c; 10c pkt.
343—ORIENTALE. (The large Oriental Poppy.) Large deep crimson flowers, having a conspicuous black blotch on each petal; exceedingly showy... ½ oz., 25c; 10c pkt.
344—Oriental Hybrids. Produce flowers of immense size and of many novel colors, such as salmon, pink, cherry, etc... ¼ oz., 50c; 10c pkt.
GIANT FLOWERED PANSIES

302—Blue Perfection. The best dark blue flowers of immense size. 3½ oz., 50c; 16c pkt.

303—Bridesmaid. White shining rose, beautifully blotched. 3½ oz., 50c; 16c pkt.

304—Burt's Superb Blotched. A French strain of extra large size, choicest colors, with beautiful broad blotches and delicate pencillings. Finest mixed. 3½ oz., 75c; 20c pkt.

305—Canary Bird. Giant five-spotted yellow. ¾ oz., 60c; 10c pkt.

306—Cassier's Giant. A very showy strain saved from large and beautifully blotched flowers. ¾ oz., 60c; 16c pkt.

307—Gold Queen. Golden yellow, very vigorous. ½ oz., 50c; 10c pkt.

308—King of Blacks. Lustrous jet black flowers of immense size. ¾ oz., 60c; 10c pkt.

309—Madame Perrett. Colors dark wine, pink and red, with edges of petals frilled and bordered white. ½ oz., 50c; 10c pkt.

310—Masterpiece. The enormous flowers are borne well above the stems, and the petals of the flowers are waved or curled and contain the richest colors. Each petal is distinctly marked with a large dark blotch and most of the flowers are margined with a light, white or yellow edge. ½ oz., 50c; 10c pkt.

311—Orchid Flowered. Beautiful light shades, large frilled flowers. ½ oz., 50c; 15c pkt.

312—Snowflake. The finest and largest pure white flowers. In covering the ground in early spring, ½ oz., 50c; 15c pkt.

313—Triumph. A beautiful, showy class, very large frilled flowers, in a great variety of rich colors: extra fine ¾ oz., 75c; 20c pkt.

314—McCullough’s ‘Premier.’ The cream of American and European Specialists. In the magnificent mixture of mammoth-flowering Pansies the blossoms are borne on long stems well above the foliage and are distinguished for their gorgeous and varied colorings and beautiful markings; of fine substance, velvety texture, perfect form, and giant size; frequently measuring 3 inches in diameter. The colorings are wonderfully rich and varied; every shade and tint of rose, canary, yellow, white, black, garnet, sky-blue and orange are produced in endless variation. ¾ oz., $1.00; ¾ oz., $1.75; 25c pkt.

315—McCullough’s Special Mixture. A superior mixture, selected from choice, large flowering strains. This strain is one of great excellence, the individual flowers being superb and include many fine shades in a number of colorings, and is intended to supply the want of a first-class mixture at a moderate price. ½ oz., 60c; ¾ oz., $1.00; 15c pkt.

316—McCullough’s Choice Mixture. A great diversity of colors, free flowering; blossoms slightly smaller than the Giant sorts. ½ oz., 50c; ¼ oz., 50c; 10c pkt.

317—PETUNIA. Double Grandiflora Mixed. Cholost strains of fine colors and large flowers. Hardy annual. 25c pkt.

320—Single, McCullough’s Mammoth. The finest mixture of petunias procurable. 5 pkt., 50c; 20c pkt.

PRIMULA. They are one of the most important winter-blooming pot plants in the home or conservatory.

365—Chinensis Fimbriata. Finest mixed. All colors. 20c pkt.

366—Oenobtunia Grandiflora. Large flowers with finely fringed and toothed petals; a beautiful pot plant. 10c pkt.

367—Oenobtunia Gigantea. Strong, vigorous growth with immense heads of large individual blooms. 2 pkt., 25c; 15c pkt.

361—Forbesi. (Baby Primrose.) Rosy lilac flowers. 2 for pots. 3 pkt., 25c; 10c pkt.

362—Malacoides. A fine house plant, somewhat like P. Forbesi, but larger in all its parts; flowers delicate lilac. 15c pkt.

HARDY PRIMROSE. These are among the best of the early spring-blooming plants. Half-hardy perennial.

358—Primula Auricula. Finest mixed. Extra choice; saved from a prize collection. 10c pkt.

359—Primula Veris. (Polyanthus.) Splendid colors: extra fine. 10c pkt.

360—Primula Vulgaris. True English Primrose; canary yellow, and orange; 10c pkt.

348—PYRETHRUM. Single Hybrids. Large flowers and choicest colors; saved from named varieties. Hardy perennial. Finest mixed. 10c pkt.

372—SCABIOSA Caucasia. (Blue Bonnet.) Especially valuable for cutting, the blooms lasting a long time in water; lilac-blue; 3 feet. Hardy perennial. 10c pkt.

312—SHASTA DAISY. A grand, large-flowering Daisy of hardy, robust growth; white flowers. 3 pts., 25c; 10c pkt.

376—STOCK (Gilliflower), McCullough’s Cincinnati Market. A grand variety producing one long sturdy spike closely set with enormous double white flowers; a fine forcing. 10c pkt.

377—Princess Alice. (Cut and Come Again.) Pure white clusters of fragrant blossoms; excellent for cutting. 10c pkt.

380—STOKESIA (Cornflower or Stokes’ Aster) Cyanae. A hardy perennial, producing handsome lavender-blue cornflower-like blossoms; in full bloom from July till frost; one of the best hardy border plants. 10c pkt.

381—SWEET WILLIAM (Dianthus Barbatus). Hardy perennial.

387—Holborn Glory. The flowers are of extraordinary size and color, all showing a clear, white eye. 10c pkt.

388—McCullough’s Selected Single Mixed. A very choice assortment of all the best single-flowering varieties. 10c pkt.

389—Double Mixed. This mixture you will find of very superior quality, containing all colors and shades. 10c pkt.

391—VINGA (Madagascar Periwinkle, or Old Maid). Ornamental, free-blooming plants. Tender annuals.

401—Rosea. Rose, dark eye. 10c pkt.

402—Alba Rosea. White, crimson eye. 10c pkt.

403—Alba Pura. Pure white. 10c pkt.

404—Mixed. ¾ oz., 25c; 10c pkt.

VERBENA. Half-hardy annuals.

410—Gigantea Litera. Large intense brilliant scarlet with no eye. 10c pkt.

411—Gigantea Finest Mixed. Choice mixture of colors. 10c pkt.

412—Mammoth Defiance. Brilliant scarlet; fine for bedding. 10c pkt.

413—Mammoth Candissima. Large trusses of pure white flowers. 10c pkt.

414—Mammoth Blue. Bright blue, in various shades. 10c pkt.

415—Mammoth Pink. Bright shades of pink. 10c pkt.

416—Mammoth. Finest Mixed. A fine strain of beautiful colors and shades. ¾ oz., 25c; ¼ oz., 40c; 10c pkt.

All 10c Packets of Flower Seeds are 3 Packets for 25c; 13 Packets for $1.00.
McCullough’s “Suburban” Lawn Grass Seed
WILL MAKE A BETTER LAWN THAN TURF OR SOD

Is a mixture of the finest quality domestic and imported grasses. It contains a large proportion of Kentucky Blue Grass, one of the best Lawn Grasses for the central states, but which, on account of slow growth, must be mixed with other quick-growing sorts for best results. Our mixture is the result of several years experimenting, and, as we now offer it, is unequalled. The quantity required for making a new lawn is 75 to 100 pounds per acre, or for renovating old lawns, 40 to 50 pounds per acre. For a plot 10x25 or 250 square feet, one pound is required for a new lawn, or about one-half pound for renovating.

Our “Suburban” Lawn Seed mixture is very much to be preferred to any single grass, because the several varieties of grasses which compose it, mature at different seasons of the year, thus keeping the green sward in good color and condition during the hot weather, not losing its color, as the single variety is liable to do.

How to Make a Lawn.—A well-kept lawn instantly commands the attention of all lovers of the beautiful in Nature and is an unerring mark of intelligence and taste. To obtain best results the main point is to start right. Seed will make a better lawn than turf or sod. The best soil is a good medium texture; the surface should be thoroughly pulverized and smoothed to the desired grade; remove all large stones, roots and hardened pieces of earth that can not be readily broken, ample time being allowed for the thorough settling of the soil, which is greatly aided by a few heavy showers of rain. When the soil is firm, level and suitably moist, sow “Suburban” Lawn Grass Seed at the rate of 75 to 100 pounds per acre. It is wise to be too economical in the quantity of seed used, if the best results are desired. The seed should be sown broadcast and as evenly as possible, then give a thorough rolling or tamp well with the back of a spade. The seed must be well firmed in the soil. When the young grass attains sufficient height, it should be mown with a lawn mower every week or ten days, according to the season.

General Surface Renovating.—When your lawn has been established, you will find it to your advantage to lightly re-seed each season. As early as possible, carefully rake off all dead leaves, etc., and give the lawn a dressing of our pulverized SHEEP MANURE, or our PURE BONE MEAL, at the rate of at least 500 pounds per acre, and rake in, after which sow our “Suburban” Lawn Grass Seed at the rate of three to four bushels (40 to 50 lbs.) to the acre; roll thoroughly or tamp with the back of a spade.

Prices:—½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00; 10 lbs., $3.75; 20 lbs., $7.25.

“SHADY PLACE” LAWN GRASS SEED

On nearly all lawns there are more or less shady places, which result in having bare and unsightly spots on which the owners have difficulty in securing a satisfactory stand of grass. After many years of experimenting with different grasses, both native and foreign, we several years ago developed our present “Shady Place” Lawn Grass Seed Mixture. This mixture of grasses is adapted for such places, as it is composed of dwarf-growing grasses which are found naturally growing in shady locations. Sow the seed at the rate of 75 pounds per acre, or 1 lb. to each 250 square feet after which roll thoroughly.

½ lb., 30c; 1 lb., 50c; 5 lbs., $2.25; 10 lbs., $4.25; 20 lbs., $8.35.

“EDEN PARK” LAWN GRASS SEED

To supply the demand for a Lawn Grass Seed that will meet general requirements, it has become necessary to place on the market our “Eden Park.” The quality of this lawn grass seed will compare favorably with a majority of the lawn grass mixtures on the market. ½ lb., 25c; 1 lb., 40c; 5 lbs., $1.75; 10 lbs., $3.25; 20 lbs., $6.25.

TERRACE MIXTURE

There is nothing more annoying than to have ground washed out. In this mixture we have put quick-growing and deep-rooted grasses. Of course, it depends a great deal on this being well started before very heavy rains.

½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00; 10 lbs., $3.75; 20 lbs., $7.25.

PUTTING GREEN MIXTURE

Of late years there has developed a tendency among golf Architects and Greenskeepers to determine the use of commercial grass seed mixtures on Putting Greens, due probably to many unsuitable mixtures on the market and to the increasing use of German Bent seed alone and the recently introduced method of planting Creeping Bent vegetatively by means of stolons or runners. There is, however, a steady demand for a reliable mixture of grass seeds from those who have found Bent Greens more liable to fungus attack than Greens composed of mixed grasses, and it is to meet this demand that our mixture is prepared.

Our Putting Green Mixture contains a liberal quantity of German Bent in combination with the finest grades of Kentucky Blue Grass and Fancy Red Top, and will give fine satisfaction on green or lawn. Red Fescue may be included if desired. Sow 8 to 10 lbs. to 1,000 sq. ft. ½ lb., 40c; 1 lb., 75c; 5 lbs., $3.50; 10 lbs., $6.75; 20 lbs., $13.00.

We are in a position to furnish a hardy strain of Creeping Bent stolons for planting greens and lawns vegetatively.

Prices and full information on application.

FAIRWAY MIXTURE

A mixture of grasses for fairways is to be preferred to any one grass and our fairway mixture will give splendid satisfaction wherever used. We make no mystery of its composition and will be glad to furnish any of the grasses separately to prescribe for any condition of soil and climate. For fall sowing we recommend a large proportion of Kentucky Blue Grass, but where quick results are desired more of the rapid growing species should be used. 50 lbs. to 100 lbs. to the acre. 1 lb., 45c; 5 lbs., $2.00; 50 lbs., $18.00; 100 lbs., $35.00.
KENTUCKY BLUE GRASS (Poa Pratensis)

Also known as June Grass, Green Grass, etc. This is rated as the finest permanent pasture grass. Especially suited to rich lands. It is the grass of the famous and fertile limestone soils of Kentucky, and is no less a favorite all through the Northern States. A perfect lawn grass. Sow 50 to 60 lbs. per acre for lawns, and 100 to 150 lbs. per acre for fairways, 30 lbs. to the acre for pastures. (14 lbs. per bushel.)

Kentucky Blue Grass Seed, Fancy Cleaned. Per lb., 45c; 5 lbs., $2.00; 10 lbs., $3.75; 20 lbs., $7.25.

Write for special prices on large quantities and other grades.

ORCHARD GRASS (Dactylis Glomerata)

Rough Cocksfoot. Perennial. Height, 3 feet. It blossoms about the same time as Red Clover, making it a desirable mixture with that plant. It is exceedingly palatable to stock of all kinds, one of the very best pasture grasses. Sow 25 to 35 lbs. to the acre. (14 lbs. per bushel.)

RED TOP GRASS (Agrostis Palustris or Alba)

Herd's Grass, Quick Grass. Perennial. Height, 1 to 2 feet. Valuable either for lawn mixtures, mixing in hay, or permanent pasture grasses; succeeds almost everywhere.

FANCY RED TOP PURE SEED. Weight, about 30 lbs. per bushel. Sow 10 to 12 lbs. per acre.

CHOICE RED TOP SEED IN CHAFF. Sow, if alone, 40 to 50 lbs. per acre. (14 lbs. per bushel.)

PERENNIAL OR ENGLISH RYE GRASS (Lolium Perenne)

Imported English Blue Grass. Height 15 to 24 inches. Considered invaluable for permanent pastures. It produces an abundance of remarkably fine foliage, tillers out close to the ground and soon forms a compact sward. After being cut, it grows up in a very short time and remains bright and green throughout the season, consequently is well adapted for lawn mixtures. Valuable for shady places. Also a good variety for hay, if cut when in blossom, as it is then most nutritious. Sow, if alone, 50 to 60 lbs. per acre (24 lbs. per bushel).

NOTE—Stocks of Rye Grass available for fall sowing are of American origin and contain a percentage of Italian Rye Grass. There is no noticeable difference in growth.

PACEY'S IMPROVED SHORT RYE GRASS

Similar to Perennial Rye Grass, but seed is heavier and smaller, consequently is superior for lawn purposes. (24 lbs. per bushel.) Sow, if alone, 50 to 60 lbs. per acre.

MEADOW FESCUE (Festuca Pratensis)

Erroneously called English Blue Grass. Highly valuable for permanent grass land. Does not, however, attain its full productive power until the second or third year. Sow 30 to 40 lbs. to the acre. (24 lbs. per bushel.) This is the true Evergreen Grass of the South.

AWNLESS BROME GRASS (Bromus Inermis)

A hardy perennial, standing extremes of heat, cold and drought. It will grow well on all kinds of soil. (10 lbs. per bushel.) Sow 25 to 30 lbs. to the acre.

BERMUDA GRASS (Cynodon Dactylon)

A valuable grass for the south and for tropical climates; will not endure frost. Sow 10 to 15 lbs. per acre.

CRESTED DOGSTAIL

(Cynosurus Cristatus)

An excellent grass for hard, dry soils; valuable for pastures and lawns, as it is very hardy. (21 lbs. per bushel.) Sow, if alone, 30 to 35 lbs. per acre. Perennial. Height, 1 to 1 1/2 feet.

SOUTH GERMAN MIXED BENT

Formerly called Creeping Bent, is a natural mixture of several fine bent grasses, including Rhode Island and Creeping Bent. The best turf grass for Putting Greens. Sow 5 lbs. to 1,000 sq. ft. Per lb., $1.25; 5 lbs., $5.50; 10 lbs., $10.00.

NOTE—Pure Creeping Bent turf cannot be secured from German Bent Seed, but may be produced from the American Creeping Bent (Seaside Bent) seed, or from planting Creeping Bent Stolons.

AMERICAN CREEPING BENT (Seaside Bent) (Agrostis Maritima)

A pure strain of Creeping Bent grown in the United States. Should produce a green equal to one planted from stolons at a fraction of the cost. Sow 3 to 5 lbs. to 1000 square feet. 1 lb., $3.00; 3 lbs., $8.75; 5 lbs., $14.50.

CANADIAN BLUE GRASS (Poa Compressa)

Also called Flat-Stemmed P. Poa-Flat-Stalked Meadow Grass. Grows a foot or more high. Recommended for horses, cows and sheep. Thrives well on clay. Sow 30 to 40 lbs. per acre.

HARD FESCUE (Festuca Durisiaca)

Perennial. Height, 12 to 24 inches. Thrives well in dry situations. Sow, if alone, 30 to 35 lbs. per acre. (12 lbs. per bu.)

SHEEP'S FESCUE (Festuca Ovina)

Similar to Hard Fescue.

ITALIAN RYE GRASS (Lolium Italicum)

Bennial. Height, 18 to 30 inches. As it is not perennial, it is not adapted for permanent pastures, but for one or two years hay it is unsurpassed. Sow, if alone, 45 to 50 lbs. per acre. (18 lbs. per bushel.)

RED OR CHEWINGS FESCUE (Festuca Rubra)

A creeping-rooted species, forming a close and lasting turf and especially adapted for dry sandy soils. It resists extreme drought and thrives on poor soils; also valuable for shady places in lawns as well as for golf courses and particularly on Putting Greens. 7 lbs. for 1,000 square feet (24 lbs. per bushel).

ROUGH STALKED GRASS (Poa Trivialis)

No grass is better adapted for pleasure grounds, particularly under trees, as it will not only grow in such places, but forms a fine sward where few other grasses can exist. Sow 20 to 25 lbs. to the acre.
GRASS SEEDS Continued

TALL MEADOW OAT GRASS
(Avena Elatoir)
A perennial. Has broad, flat leaves, and grows about 3 feet high. Sow 25 to 30 lbs. per acre.

TIMOTHY
(Phleum Pratense)
Herb’s Grass. Cat’s-tail Grass. This Grass stands at the head for meadows. Never use less than a peck to the acre, then up to one-half bushel, as to circumstances. Market Price.

WOOD MEADOW GRASS
Used in shady places, but now displaced to a large extent by Rough Stalked or Canada Grass. Market Price.

FOR OUR SPECIAL PRICE

McCullough’s High Grade Clover Seeds

ALFALFA OR LUCERNE
(Medicago Sativa)
Alfalfa is one of the most profitable crops the dairyman or stock farmer can raise. It yields the best hay and most feed alfalfa, which is due to its root system, which is somewhat variable, enabling it to withstand freezing and thawing weather, droughts and other hardships which the common alfalfa will not endure.

Genuine Ontario Grim in field of the original Libby strain, giving fully as good satisfaction and is lower in price than North-Western seed. We handle both North-Western and Ontario Grim Alfalfa. Sow in the spring or fall of year at the rate of 10 to 15 lbs. per acre. Prices on application.

CANADIAN VARIEGATED ALFALFA
This is considered by many to be fully as hardy as Grim and is of the Grim strain.
We recommend it very highly and it can be obtained at a small advance in price over common Alfalfa.

ALSIKE OR SWEDISH CLOVER
(Trifolium Hybridum)
This variety is perennial and on account of its fibrous root system does not winter-kill. Will grow well on poor soil and do better than any other alfalfa, which is due to its root system, which is somewhat variable, enabling it to withstand freezing and thawing weather, droughts and other hardships which the common alfalfa will not endure.

CRIMSON OR SCARLET CLOVER
(Trifolium Incarnatum)
CRIMSON SCARLET or CARNATION CLOVER. This Clover grows about two feet high, makes good hay and is excellent for feeding. When fed being immense. Should be sown in August to October, also early spring. 12 to 15 lbs. per acre.

WHITE OR DUTCH CLOVER
(Trifolium Repens)
This variety thrives on nearly all soils: is a low close-growing Clover, and on account of its earliness and hardiness should be used in mixtures for permanent pastures and lawns.

LIST OF GRASS AND CLOVER SEEDS

McCullough’s MIXED GRASSES
FOR MEADOWS AND PASTURES

There are always certain grasses that are especially adapted to certain kinds of soils, and these are so carefully combined in our mixtures that in our Mixture for Permanent Pastures grasses will be found that mature at intervals during the season, thereby insuring continuous pasturage, while our Mixture for Permanent Meadows will furnish excellent hay as well as late pasturage.

FIRST QUALITY MIXTURES

For meadows, for permanent pasture, for pasture and hay in orchard and other shady places, for marshy grounds, for sandy and rocky grounds. Sow 20 to 30 lbs. per acre.

BOKHARA OR SWEET CLOVER
WHITE FLOWERED. (Melilotus Albus.) It will make an excellent mixture on any lime land, and is less liable to winter-kill or so any soils so hard and barren that they will sustain no other vegetation.

The roots are very long, penetrating the soil to a depth of three to four feet, are large, and being fleshy, decay more rapidly than alfalfa roots, hence their nitrogen becomes more quickly available for other crops.

YELLOW FLOWERED; HULLED SEED, SCARIFIC. Market price.

JAPAN CLOVER
(Lespedeza striata)
This Clover is especially adapted for the South, because it occupies the same position in pasture mixtures for the South that White Clover does in the North. Will thrive on poor land, and, as it grows thickly, soon furnishes abundant pasturage. This Clover is a half-hardy annual, without any objectionable root or leaf. Hardy, and can be sown from August 1st to October 1st, broadcast, 1 to 1½ bushels per acre, or to 1½ bushels per acre, to which we suggest adding half a bushel of winter rye or wheat.

VETCHES OR TARES

SAND, HAIRY OR WINTER VETCH. (Vicia Villosa.) This is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, broadcast, 1 to 1½ bushels per acre, to which we suggest adding half a bushel of winter rye or wheat.

RED CLOVER—MEDIUM
(Trifolium Pratense)

Sow 10 to 12 pounds to the acre, according to quality of seed used and conditions will be found for the best order, always state quality desired, otherwise will send the best.

INOCULATE ALFALFA AND OTHER CLOVERS AND VETCHES WITH NITRAGIN

NITRAGIN is an old, reliable inoculator. The contents are always fresh, living bacteria to feed your plants. Easy to use. Sent by mail or express, prepaid.

FOR Alfalfa, Clover, Vetch, Peas and Beans

<table>
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<tr>
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State What Crop You Want the Nitrigin For.

FOR Soy Beans and Cow Peas

<table>
<thead>
<tr>
<th>Size</th>
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<tbody>
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In ordering, be sure to name crop to be inoculated.
The steadily increasing demand for hardy plants has induced us to make arrangements whereby all the plants we offer are tested to determine their relative merits. Consequently, the amateur or professional grower need have no fear that all the varieties we offer will produce the desired effects, when judgment in arranging and care in planting are observed.

For such of our customers who are not acquainted with the different varieties, we shall be pleased to make suitable selections of the most desirable species, that once planted, with very little care, will keep the garden gay with flowers from the time frost leaves the ground until late in autumn.

All plants are forwarded on receipt of order (weather permitting), unless instructed to the contrary, and are sent by Express, prepaid, with paying charges. We can forward plants by Parcel Post, if and when wanted sent in this way add 5c each, or 30c per dozen. Six plants of a kind at dozen rate.

**ACHILLEA (Milkfoil or Yarrow)**

Plants suitable for dry, sunny places. The dwarf kinds are useful for carpeting or for rockeries, the taller varieties as border plants.

*Boule De Neige.* (Ball of Snow.) An improved variety bearing pure white flowers of perfect form all summer. Fine for cut flowers. 40c each; 3 for 75c; $2.50 per dozen.

**ACONITUM ( Monkshood)**

Summer and late autumn-flowering plants with bold spikes of hood-shaped flowers thriving in either sun or shade. The roots are poisonous and should not be planted where the tubers might be mistaken for vegetables.

Fischeri. A dwarf variety with pale blue flowers. September. 50c each; 3 for $1.05; $3.50 per dozen.

**AGROSTEMMA (Rose Campion)**

Erect growing plants with silvery foliage and showy flowers during June and July.

Coronaria (Pink). Bright rose-crimson flowers; 2 1/2 to 3 feet. 35c each; 3 for 60c; $2.00 per dozen.

**AJUGA (Bugle)**

A useful plant for the rockery and for carpeting the ground, particularly in shady positions, as under trees where grass will not grow.

*Reptans Rubra.* Grows 3 to 4 inches high, with large spikes of purplish-blue flowers in May. 45c each; 3 for 90c; $3.00 per dozen.

**ALYSSUM (Rock Cress)**

Very popular for beds, borders, and winter flowering. Of easiest culture and very free blooming.

*Saxatile Compactum.* (Basket of Gold, Gold Tuft, Rock Madwort.) A fine plant for the rockery or border, grows 1 foot high and produces broad flat heads of yellow flowers in May. 40c each; 3 for 75c; $2.50 per dozen.

**ANCHUSA ITALICA**

Dropmore Variety. Remarkable for its free and continual flowering all summer, and the beautiful gentian-blue color of its flowers; grows about five feet high. 45c each; 3 for 90c; $3.00 per dozen.

**ANTHEMIS (Marguerite)**

Tintoria. Handsome, finely cut foliage, and large, golden yellow flowers produced all summer. Succeeds in the poorest soil. 35c each; 3 for $2.00 per dozen.

**AQUELIGIA (Columbine)**

Charming hardy plants, with distinct, cut-cage foliage, bearing in countless numbers throughout May and June, exquisite clear blue, white, rose, yellow, purple and striped blossoms. They thrive well with ordinary garden culture, but do best in partially shaded nooks.

Coronaria. Flowers often three inches in diameter; the outer sepals deep blue or blue, petals white, the deep blue spur tipped green. 45c each; 3 for 90c; $3.00 per dozen.

Chrysantha. (Golden Columbine.) Golden yellow flowers with long spurs. 40c each; 3 for 75c; $2.25 per dozen.

Long Spurred Hybrids. Beautiful variations from the standard type. 40c each; 3 for 75c; $2.50 per dozen.

Wayside Pink. A beautiful strain of nothing but clear pink colors. We do not think that they can be surpassed. 35c each; 3 for 90c; $3.00 per dozen.

Canadensis. (American Columbine.) A bright red and yellow variety, very attractive. 40c each; 3 for 75c; $2.50 per dozen.

**ARABIS (Rock Cress)**

Alpina. A desirable early spring flowering plant, adapted for edging and the rock garden, but does equally well in the border, being a dense carpet, completely covered with pure white flowers, which last a long time in bloom. 40c each; 3 for 75c; $2.50 per dozen.

**ARMERIA (Sea Pink or Thrift)**

Attractive dwarf plants forming evergreen tufts of bright green foliage, from which innumerable flowers appear in dense heads, on stiff wiry stems, from 9 to 12 inches high. They flower more or less continuously from early spring until late in the fall. Very useful in the rockery.

Launaea Rosea. Bright rose. 3 to 6 inches. 40c each; 3 for 75c; $2.50 per dozen.

**ARTEMISIA**

Lactiflora. A tall-growing plant of fine foliage and heads of small white flowers in August and September, which fill the garden with fragrance. 40c each; 3 for 75c; $3.50 per dozen.

**ASCLEPIAS (Butterfly Weed)**

Showy native plants about 2 1/2 feet high, blooming during July and August.

Tuberosa. Brilliant orange-colored flowers. 40c each; 3 for 75c; $2.50 per dozen.

**ASTERS (Michaelmas Daisies or Starworts)**

The hardy sorts are entirely distinct from Annual Asters, being smaller in bloom, but produced in greater quantity.

Felchman Blue. A pretty azalea blue; very free bloomer. 40c each; 3 for 75c; $2.50 per dozen.

Novae-Angliae Roseum Superbum. Color almost red and a profuse bloomer. 45c each; 3 for 90c; $3.00 per dozen.

Novi-Belgii Climax. The plant is of strong, vigorous habit, over 6 feet high. With pyramidal shaped flower stems filled with light lavender-blue flowers, each 1 1/2 inches or more in diameter. August to October. 50c each; 3 for $1.05; $3.50 per dozen.

**AUBRIETIA (Rock Cress or False Wall Cress)**

One of the daintiest and most delicately beautiful of all dwarf, creeping plants for carpeting beds or rockeries, offering brilliant sheets of blue, crimson or rose for many weeks. Massed on rockerys or in borders with white Arabis and yellow Alyssum, it forms a charming contrast. A gem for planting in crevices of rocks or wall, forming a cataract of color. 40c each; 3 for 90c; $3.00 per dozen.

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**BAPTISIA (False Indigo)**

Australia. Grows about 2 feet high with dark green, deeply-cut foliage and spikes of dark blue flowers in June. 40c each; 3 for 75c; $2.50 per dozen.

**BOCCONIA (Plume Poppy)**

Cordata. A splendid plant, growing sometimes six feet high, bearing panicles of creamy-white flowers in July and August, makes a grand effect as a center in a partly bed or a border background. 40c each; 3 for 75c; $2.50 per dozen.

We do not guarantee or replace plants, shrubs or trees at prices quoted.

Page 15
BOLTONIA (False Chamomile)
Tall growing, showy plants, with flowers resembling hardy Asters, appearing in September.

LAMIUM (Lavender, Pink, and Alumrods)
Tall plants, pink, tinted lavender; six feet. 40c each; 3 for $75c; $2.50 per dozen.

CALLIRHOE (Poppy Mallow)
Involucrata. A showy trailing plant with finely divided foliage and rosy-crimson flowers, with white center; blooms all summer. 45c each; 3 for 90c; $3.00 dozen.

CAMPANULA (Bell Flower)
CUP AND SAUCER CANTERBURY BELLS
(Campabanula Calycanthema)
Large semi-double flowers, each resembling a cup and saucer.
Pink. Beautiful variety with charming pink flowers. 35c each; 3 for 60c; $2.00 per dozen.
White. Similar to the preceding, but the flowers are white. 35c each; 3 for 60c; $2.00 per dozen.
Blue. Beautiful light blue flowers. 35c each; 3 for 60c; $2.00 per dozen.

CERASTIUM (Snow in Summer)
Tomentosum. Suitable for the rockery or for covering dry, sunny spots. Low growing plant with silvery foliage and white flowers in June. 40c each; for 75c; $2.50 per dozen.

COREOPSIS
Lanceolata Grandiflora. Plant grows eighteen inches high, and produces its bright golden yellow flowers in great profusion all season. 35c each; 3 for 60c; $2.00 per dozen.

DELPHINIUMS (Perennial Larkspur)
These are deservedly popular. They are perfectly hardy and will establish themselves in almost any garden soil, but respond quickly to liberal treatment. Will begin blooming about the middle of June. If stalks are cut off as soon as flowers are faded, they will continue blooming all summer.
Belladonna Hybrids. The freest and most continuous bloomer of all. The clear turquoise-blue flowers are not surpassed by any. 3 feet. 40c each; 3 for 75c; $2.50 per dozen.
Bellamosa. A dark blue of the type of Belladonna with the color of the old Formosa variety, but unable to mildew like the latter and of stronger growth. 40c each; 3 for 75c; $2.50 per dozen.

GIANT HYBRIDS. Unquestionably the finest strain of mixed hybrids ever offered. The plants are of strong, vigorous habit, with large flowers on spikes two feet and over. 45c each; 3 for 90c; $3.00 per dozen.

DIANTHUS (Hardy Pink)
Allwoodi. New perpetual hardy flowering pinks. They are perfectly hardy and flower continuously from early spring until late in autumn; the flowers are much more substantia than the old type of Dianthus, and are borne on long stems suitable for cutting; deliciously clove scented.

MIXED—Single and double; all colors. Strong field grown plants. 50c each; 3 for $1.05; $3.50 per dozen.

EUPIRATORIUM (Hardy Ageratum)
A splendid native plant, growing 6 to 10 inches high; immense clusters of flowers; fine for naturalizing along streams and ponds, and for planting among shrubbery.
Coelostinum. Lavender flowers, similar to the Ageratum, blooms from August until frost. 40c each; 3 for 75c; $2.50 per dozen.

When ordering Perennial Plants sent via Parcel Post, add 5c each or 30c per dozen, for postage.

We do not guarantee or replace Plants, Shrubs or Trees at prices quoted.
HARDY HERBACEOUS PLANTS—Continued

IBERIS (Hardy Candytuft)

Sempervirens. Low growing, with evergreen foliage. In spring and early summer, is completely covered with dense heads of pure white flowers. 4¢ each; 3 for 90¢; $3.00 per dozen.

LIBERTY IRIS (Iris Germanica)

(Flag Iris) The “Fleur-de-Lis” of France

The Liberty Iris is one of the most desirable May flowering plants. The flowers are of large size and exquisite colors. For the best results plant in a well-drained sunny position, barely covering the roots. Avoid fresh manure in preparing your border.

All the Liberty Iris roots offered by us are from plants transplanted a year ago and are of a size large enough to bloom next spring if given proper attention.

Choice New Introductions

Cecil Minturn. Soft Cattleya rose. A beautiful flower with broad petals, gracefully waved and crinkled; one of the finest Irises for size and extreme beauty. 90¢ each; $3.00 per dozen.

Lent. A. Williamson. Rated in 1922 by the American Iris Society as the finest Iris in the world. Standards Campanula-blue; falls rich, royal purple with yellow beard. Very tall and distinct. $2.25 each.

Lord of June. A magnificent variety of gigantic size. Standards lavender blue; falls rich violet purple. $2.25 each.

Mme. Chabant. A clover scented Plicata type. Prussian red with light brownish veins, on a pale chalice-undy tone. One of the most beautiful of all Irises. Height 36 inches. $2.25 each.

Queen Caterina. A mid-season variety of a beautiful clear orchid purple veined with brilliant gold; the whole being further enhanced with a bright orange beard, 90¢ each.

Shekinah. A delightful shade of pale yellow shading to crimson in the throat, with a lemon colored beard. This is a true yellow Pallida and the first of the type. A most uncommon and very handsome variety. $2.25 each.

Collection of one each of the above six new varieties. $10.00 postpaid.

GENERAL LIST OF LIBERTY IRIS.

Aleazar. This variety produces flowers of great substance, with unique coloring of great richness. Standards light bluish violet, with bronze-veined throat; style arms deep amber in color with a middle band of bluish-violet. Tall and vigorous growers, 10¢ each; $1.00 per dozen.

Caprice. Standards rosy red; falls deep rosy red. Large and handsome; 24 inches. 25¢ each; $2.50 per dozen.

Ingeborg. The only pure white intermediate in cultivation. Strong grower and free bloomer. 20¢ each; $1.00 per dozen.

Jeanne D’Arc. Standards very large, ruffled, spreading after the manner of the Japanese, white, with a border deep purple. Each style arm is tipped with bluish white; style tube of bluish-purple at base; style arms tipped and mid-rimmed deep, bright lilac, 3 inches. 20¢ each; $2.00 per dozen.

King of Iris. Standards clear lemon-yellow; falls rich maroon, bordered yellow. Brilliant colors. Large flowers. Very fine. 24 inches. 30¢ each; $3.00 per dozen.

Madame Chereau. White, elegantly frilled with a wide border of clear blue. 20¢ each; $2.00 per dozen.

Mandralisca. Rich lavender-purple, tall, large and handsome; very early. 20¢ each; $2.00 per dozen.

Monsignor. Standards violet; falls heavily veined purple, leaving a border of the violet; late flowering. 20¢ each; $2.00 per dozen.

Midnight. A rich deep purple, the finest in this color; a fine cut flower. 30¢ each; $3.00 per dozen.

Pallida Dalmatica. This is one of the finest Irises grown, having extremely fragrant, sweet-scented flowers. Standards lavender; falls lavender, shaded blue. Unequaled for massing and fine for cutting. Height, 40 to 45 inches. 30¢ each; $3.00 per dozen.

Prosper Laugier. Standards light bronze-red; fall velvety ruby-purple, with white beard yellow tipped. Very handsome; Vigorous growth. 36 inches. 20¢ each; $2.00 per dozen.

Sherwin-Wright. This variety has splendid golden-yellow flowers without shading or markings. Strong, vigorous plants about two feet high. Flowers of good texture and lavishly produced. 40¢ each; $4.00 per dozen.

Collection of one each of the 12 varieties, $2.50 postpaid.

We do not guarantee or replace Plants, Shrubs or Trees at prices quoted.

IRIS PUMILA

These beautiful little Irises do not grow over 4 inches high, and bloom in April and May. They are fine for bordering flower beds or planting in front of the tall Irises.

Coerules. Dark violet-blue. 25¢ each; $2.50 per dozen.

Excelsa. A splendid pale lemon yellow. 30¢ each; $3.00 per dozen.

Schneecuppe. A large, showy, pure white. 25¢ each; $2.50 per dozen.

JAPANESE IRIS (Iris Kaempferi)

They are most effective when planted in groups and thrive best in a moist soil. The flowers are of immense size, from six to eight inches in diameter, and of the most beautiful and delicate shades. They are perfectly hardy, flowering in great profusion during June and July.

Plant in rich soil early as possible in the fall, firm the ground well and cover lightly with straw or other litter.

We offer the following varieties:

50¢ each; $5.00 per dozen.

Gold Bound. A fine double, pure white flower, enriched by a creamy glow from the gold banded center.

Koko-no-Iro. Purple flowers with golden center.

Minerva. Single flowers, white, tinted rose.

Patrocle. Single flowers of superb dark, reddish violet.


Royal Purple. Double, deep purple blue with strong, stiff petals. One of the best of this color.

Tori Oderi. Vinous purple, speckled and splashed gray. Six petals.

Finest Mixed (Our Selection). Our mixed varieties embrace a wide range of colors and markings. 35¢ each; $3.50 per dozen.

If wanted by mail, add 5¢ each; 30¢ per dozen for postage.
HARDY HERBACEOUS PLANTS—Continued

LIATRIS (Blazing Star, or Gay Feather)
Showy native plants, producing their large spikes of flowers from July to September.

Pycnostachya. Spikes of light, rosy purple flowers; five feet. 40c each; for 90c; $3.00 per dozen.

LUMIN (Flax)
Perenne, A fine plant for the border or rockery; grows 2 feet high, with light, graceful foliage and large blue flowers all summer. 40c each; 3 for 75c; $2.50 per dozen.

LUPINUS (Lupine)
They grow about three feet high, producing large spikes of flowers; latter part of May and early June.

Polyphyllus. Clear blue. 30c each; 3 for $1.05; $2.50 per dozen.

Albus. A white variety of above. 50c each; 3 for $1.05; $3.00 per dozen.

LYCHNIS
Chalcedonica. A desirable plant, growing two to three feet high; flowers brilliant orange scarlet. 35c each; 3 for 60c; $2.00 per dozen.

LYTHRUM
Roseum Superbum. (Rose Loose Strife.) A strong growing plant, from four feet high, producing large spikes of rose colored flowers from July to September. 40c each; 3 for 75c; $2.50 per dozen.

MAGNIFICENT, hardy plants, almost rivaling the rose in perfume, brilliancy, color and perfection of bloom. They are perfectly hardy, require little or no care, and produce larger and finer blooms when well established.

This season we offer a superb assortment of double flowering Peonies. These will be furnished in divisions of 3 to 5 eyes.

Peonies should be planted in the fall for best results. If planted during the months of September, October and early November, they are almost certain to bloom the following season.

Albatre. Color of flowers is pure snow-white with a few delicate pencillings of carmine on the edge of the central petals; very waxy, chaste and fragrant; midseason. 75c each; $7.00 per dozen.

Avalanche. Creamy white, slightly flecked with carmine. Large, compact crown type; fragrant. Midseason. 60c each; $6.00 per dozen.

Duchess de Nemours. Guard petals white, center lemon yellow; cup-shaped. Strong grower, fragrant and free bloomer. Early midseason. 50c each; $5.00 per dozen.

Eugene Verdier. Very large compact double flowers. Color delicate Hydrangea-pink, outer guard petals lilac-white. Erect dwarf habit with strong stems. A late bloomer and fragrant. 75c each; $7.50 per dozen.

Felix Crousse. Large, full, brilliant red flowers of globular form, bomb type and fragrant. Strong vigorous grower of medium height and free bloomer in clusters. Late mid-season. 75c each; $7.50 per dozen.

Festiva Maxima. Flowers very large, globular and of rose color. Petals white centers very broad. Pure white centers usually flecked crimson; outer petals sometimes pale lilac-white on first opening. Early and most popular white for cut flowers. 50c each; $5.00 per dozen.

La Noblesse. Identical with Edulis Superba in earliness and color, which is a clear mauve-pink with silvery reflex. 40c each; $4.00 per dozen.

La Tulipse. A midseason variety with large, globular, fragrant flowers of delicate blush white, shading to ivory white, with red tulip markings on outside of guard petals. 50c each; $5.00 per dozen.

Marguerite Gerard. Pale salmon-pink, fading to almost white. Large, compact flowers of rose type. Late. 75c each; $7.50 per dozen.

Marie Lemoine. Pure white with cream-white center. Large, very compact, rose type; medium height and fragrant. Very late. 60c each; $6.00 per dozen.

We do not guarantee or replace Plants, Shrubs or Trees at prices quoted.

MERTENSIA (Blue Bells)

Virginia. An early spring-flowering plant, growing about one to one and one-half feet high, with drooping panicles of handsome, light blue flowers, fading to clear pink; blooming in May and June. 40c each; 3 for 75c; $2.50 per dozen.

MONARDA (Bergamot)

Showy plants, growing from two to three feet high, succeeding in any soil or position, with aromatic foliage, and producing their bright flowers during July and August.

Didyma. Cambridge Scarlet. (Oswego Tea.) Flowers bright scarlet. 40c each; 3 for 75c; $2.50 per dozen.

MYOSOTIS

Alpestris. (Alpine Forget-Me-Not.) Splendid for naturalizing on edge of ponds and streams; also for beds, borders and rockeries. 46c each; 3 for 90c; $3.00 per dozen.

OENOOTHERA (Evening Primrose)

Elegant subjects for growing in an exposed, sunny position, either in the border, or on the rockery, blooming all summer.

Missouriensis. Large; golden yellow flowers. 40c each; 3 for 75c; $2.50 per dozen.

DOUBLE HERBACEOUS PEONIES

Princess May. Guards lilac-rose, collar creamy white, crown seashell-pink, center flecked crimson. Mid-season. 40c each; $4.00 per dozen.

Queen Victoria. An early mid-season sort of bomb type. Considered the best every day white. In the bud state it has a faint bluish tinge, opening white, center petals tipped with carmine. Large, full, compact blooms. 48c each; $4.50 per dozen.

Unnamed Varieties. Colors, red, pink and white. 25c each; $2.50 per dozen.

If wanted by mail, add 5c each; 30c each, per dozen, for postage.

PEONY (Officinalis Rubra)

This is the oldest and still one of the most popular sorts. It is the earliest to bloom. Producing freely, brilliant glowing deep carmine double flowers. 50c each; $5.00 per dozen.

PENTSTEMON (Beard Tongue)

Barbatus Torreyi. Spikes of brilliant scarlet flowers from June to August. Grows 3 to 4 feet high. 40c each; 3 for 75c; $2.50 per dozen.
HARDY HERBACEOUS PLANTS—Continued

HARDY PHLOX (Phlox Decussata)

Perennial Phloxes succeed in almost any soil enriched with manure in spring, and in hot weather an occasional soaking of water. If the first spikes of bloom are removed as soon as they become dry, plants will produce continuous flowering throughout the season. We recommend only those plants which continue the display until late in Autumn. These later blooms are often finer than the first. (We offer nothing but strong, 2-year-old plants.)

We offer the following collection of extra choice varieties.

40c each; 3 of a kind for 75c; $2.50 per dozen.


Crepuncle. White with delicate mauve suffusion and rosy purple eye.

Champs Elysee. Fine, rich crimson.

Europa. A new variety, with large crimson-carmine eye. Very large flower and truss.

Gefion. Tender peach-bloom pink with bright rose eye, creating a soft mauve effect. Flower and truss very large on erect, compact stems.

Jules Sandeau. Large, fine, very free flowering, pure pink.

La Vague. An improvement over older varieties of similar color, with immense, conical heads, borne in great profusion. Warm mauve with emphatic carmine eye.

Mrs. Jenkins. White; immense panicles; free bloomer.

Rheinland. A beautiful salmon pink, with flowers and trusses of immense size.

Rijnstrom. Lively rose-pink, much like Paul Neyron rose. Immense trusses on others.

Thor. A beautiful lively shade of deep salmon-pink, suffused and overlaid with a scarlet glow; has aniline-red eye.

White Lady. Very fine late pure white.

Any of the above varieties. 40c each; 3 of a kind for 75c; $2.50 per dozen. If wanted by mail, add 5c each; 30c per dozen; for postage.

PHLOXES OF SORTS

Divaricata Canadensis. It commences to bloom early in April and continues through May, with large, fragrant lavender flowers, on stems 10 inches high. 45c each; 3 for 90c; $3.00 per dozen.

Subulata. (Moss or Mountain Pink.) An early spring flowering type, with very pretty mosslike evergreen foliage, which, during the flowering season, is hidden under the masses of bloom.

Alba. Pure white. Rosea. Bright rose. 40c each; 3 for 75c; $2.50 per dozen.

Suffruticosa. Miss Lingard. The best Phlox in cultivation. It produces immense heads of beautiful white flowers in June and blooms again in September and October. Splendid foliage and habit, and free from attacks by insects. Better results will be had if old flowers are cut off. 50c each; 3 for $1.05; $3.50 per dozen.

PHYSOSTEGIA (False Dragonhead)

Virginia. Forms large clumps 3 to 4 feet high, bearing long spikes of delicate pink flowers, tubular in form. July and August. 40c each; 3 for 75c; $2.50 per dozen.

PLATYCODON

(Balloon Flower or Japanese Bell Flower)

Grandiflorum. Deep blue, cupped, star-shaped flowers, one and one-half inches across. 40c each; 3 for 75c; $2.50 per dozen.

Mariesii. Deep blue, bell-shaped flowers, nearly three inches across on one-foot-high plants. 40c each; 3 for 75c; $2.50 per dozen.

POPPIES, ORIENTAL (Papaver Orientale)

For a gorgeous display of rich and brilliant coloring, nothing equals them during their period of flowering in May and June. After flowering, the plants die back, usually re-sprouting new growth in early September, or as soon as the weather gets cool.

Apricot Queen. Large, apricot colored flowers.

Beauty of Livermore. Crimson, with black blotch, fine large flowers.

Mrs. Perry. Orange-apricot; very fine. Any of above varieties. 40c each; 3 of a kind for 90c; $3.00 per dozen.

Mixed Varieties. 40c each; 3 for 75c; $2.50 per dozen.

PYRETHRUM

Ulliginosum. (Giant Daisy.) Grows four to five feet high, and is covered with large, white, daisy-like flowers three inches in diameter from July to September. 40c each; 3 for 75c; $2.50 per dozen.

When ordering Perennial Plants sent via Parcel Post, add 5c each or 30c per dozen, for postage.

We do not guarantee or replace plants, shrubs or trees at prices quoted.
ORNAMENTAL FLOWERING SHRUBS

Shrubs are as much a part of the garden as the lawn or flower borders, and a well arranged planting presents an attractive appearance throughout the entire year.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared to stock that is never moved from the cutting beds until sold.

We do not guarantee or replace plants, shrubs or trees at prices quoted.

ALMOND, Double Flowering. A desirable class of early flowering shrubs, erect slender branches, covered with small double pink flowers. 2 to 3 feet. $1.00 each; $10.00 per dozen.

ALTHEA. (Rose of Sharon.) Valuable on account of their late season of blooming, which is from August to October. Are also extensively used as hedge plants. 2 to 3 feet. $6.00 each; $60.00 per dozen.

BOULE-DE-FEU. Double red. 2 to 3 feet. 60c each; $6.00 per dozen.

JEANNE D'ARC. Double white. 2 to 3 feet. 60c each; $6.00 per dozen.

LADY STANLEY. Double blush white, crimson center. 2 to 3 feet. 75c each; $7.50 per dozen.

DOUBLE ROSE, WHITE AND PURPLE. To 3 feet. 60c each; $6.00 per dozen.

BERBERIS THUNBERGII. (Japanese Barberry.) One of the most beautiful shrubs either for hedging or general purposes. It is of neat, compact growth and the foliage is beautiful at all times, turning in the fall to a most brilliant crimson color. The plant is covered with bright scarlet berries all the fall and winter. It seldom grows over four feet high.

15 to 18 inches, 40c each; $4.00 per dozen; $20.00 per 100.

18 to 24 inches, 45c each; $4.50 per dozen; $25.00 per 100.

24 to 30 inches, 60c each; $6.00 per dozen; $30.00 per 100.

BUDDLEIA. (Butterfly Shrub or Summer Lilac.) Variabilis Magnifica. Flowers are the shape and color of lilacs. Flowers all season. 60c each; $6.00 per dozen.

CALLICARPA. Purpures. Clusters of bright glossy, violet-purple berries are borne in September remaining on the plant until mid-winter. 75c each; $7.50 per dozen.

CALYCANthus FLORIDUS. (Sweet-Scented Shrub.) Flowers fragrant, double and of a chocolate color. Blooms in April. 1 1/2 to 2 feet. 75c each; $7.50 per dozen.

CERCIS CANADENSIS. (Judas Tree or Red Bud.) All the branches and twigs are covered with a mass of small pink flowers early in the spring, before the leaves appear. 2 to 3 feet. 75c each; $7.50 per dozen.

CLETRA ALNIFOLIA. (Sweet Pepper Bush.) Dark green foliage and upright spikes of creamy white, fragrant flowers in August. 1 1/2 to 2 feet. 75c each; $7.50 per dozen.

CORCHORUS. (Kerra.) Globe Flower or Japanese Rose. Japanese. Flower bright yellow, large and showy. 1 1/2 to 2 feet. $1.00 each; $10.00 per dozen.

CORNUS FLORIDA. (White Flowering Dogwood.) Flowers white and very showy. 2 to 3 feet. $1.50 each; $15.00 per dozen.

CORNUS FLORIDA RUBRA. (Red Flowering Dogwood.) The flowers are rich, rosy-red. 3 to 4 feet. $5.00 each; $50.00 per dozen.

CORINUS MASCULUM. (Cornelian Cherry.) Clusters of bright, yellow flowers early in spring which are followed by red berries. 2 to 3 feet. 75c each; $7.50 per dozen.

CRAB. (Bechtel's Double Flowering.) Most beautiful of all the flowering Crabs. Hardy. Trees are covered in early spring with large beautiful, double, fragrant flowers, resembling small roses of a delicate pink. 3 to 4 feet. $2.00 each; $20.00 per dozen.

DESMODIUM PENDULIFLORUM. A shrub-like plant that dies to the ground in winter, but comes up vigorously in spring. Bears during September sprays of rose-colored flowers. 1 1/2 to 2 feet. 90c each; $9.00 per dozen.

DEUTZIA CRENATA FLORA PLENA. Flowers double white, tinged with pink. 2 to 3 feet. 60c each; $6.00 per dozen.

DEUTZIA GRACILIS. A dwarf bush, covered with spikes of pure white flowers in early summer. 1 1/2 to 2 feet. 75c each; $7.50 per dozen.

DEUTZIA LEMOINEI. Habit dwarf, flowers white. One and one-half to two feet. 75c each; $7.50 per dozen.

DEUTZIA PRIDE OF ROCHESTER. Large double white flowers, slightly tinted with rose. 2 to 3 feet. 60c each; $6.00 per dozen.

ELDER, GOLDEN. (Sambucus.) Golden yellow foliage. 3 to 4 feet. 75c each; $7.50 per dozen.

ELEAGNUS LONGIPES. Nearly evergreen. Yellowish flowers in May, followed by scarlet-yellow berries during summer. 2 to 3 feet. 75c each; $7.50 per dozen.

EXOCHORDA GRANDIFLORA. (Pearl Bush.) The early buds look like pearls, opening up to long glistening sprays of pure white. 1 1/2 to 2 feet. $1.25 each; $12.50 per dozen.

HYDRANGEA ARBORESCENS STERILIS. (Snowball Hydrangea.) Snowy white bloom; will flower for fully three months; a very showy variety, excellent for borders. (See cut.) 18 to 24 inches. 75c each; $7.50 per dozen. 2 to 3 feet. $1.00 each; $10.00 per dozen.

HYDRANGEA PANICULATA GRANDIFLORA. The flowers which are borne in dense panicles in the greatest profusion, are white when they first open but gradually change to rose and remain in good condition for weeks. 18 to 24 inches. 75c each; $7.50 per dozen. 2 to 3 feet. 75c each; $7.50 per dozen; $9.00 per dozen.

HYDRANGEA PANICULATA GRANDIFLORA. Standard or Tree-Shaped Plants. These are four and five years old, trained to tree shape with about three feet of straight stem and nicely shaped heads. Four to five feet. $2.25 each; $22.50 per dozen.

HYPERICUM AUREUM. (Golden Hypericum.) A dwarf shrub growing to about 3 feet. Foliage bluish green above and paler beneath. Flowers yellow, nectar 2 inches across. Excellent for massing in front of taller shrubs. July and August. 1 1/2 to 2 feet. 75c each; $7.50 per dozen.

LILAC. Purple. (Syringa Vulgaris.) Purple flowers. White. (Syringa Vulgaris Alba.) White flowers. 3 to 4 feet. 75c each; $7.50 per dozen.

Prices of any of the following named Lilacs, fine plants. 2 to 3 feet. $1.00 each; $10.00 per dozen.

Charles X. Reddish purple flowers.

Michael Buchner. Double pale-lilac flowers.

Madame Lemoine. Double white flowers.

LONICERA. (Bush or Upright Honeysuckle.) Morrowi. White flowers during May, followed by red fruit during the summer and autumn months. 2 to 3 feet. 60c each; $6.00 per dozen.

Tartarica. (Tartarian Honeysuckle.) Flowers red and white. Fruit red or orange. 2 to 3 feet. 60c each; $6.00 per dozen.

We do not guarantee or replace Plants, Shrubs or Trees at prices quoted.
ORNAMENTAL FLOWERING SHRUBS—Continued

PHILADELPHUS or SYRINGA. Grandiflorus. (Large flowered Mock-Orange.) Flowers are pure white and very large. 2 to 3 feet. 75c each; $7.50 per dozen.

PHILADELPHUS VIRGINIAL. Produces an immense mass of beautiful white flowers and blooms all summer. 1 1/2 to 2 feet. $1.00 each; $10.00 per dozen.

RHODOTYPOS. Kerrioides. (White Kerria.) Handsome foliage and large single flowers in the latter part of May succeeded by numerous black berries. 2 to 3 feet. $1.00 each; $10.00 per dozen.

ROBINIA HISPIDA. (Rose Acacia.) A very handsome shrub. The leaves are similar to those of the Locust. In June and July long panicles of rose red blossoms of colored flowers hang from the branches. 2 to 3 feet. $1.50 each; $15.00 per dozen.

SAMBUCUS. Aurea. (Golden Elder.) Attractive golden foliage and according to this shrub. Flowers white, borne in clusters throughout the year. 3 to 4 feet. 75c each; $7.50 per dozen.

SPIREA. A large group of showy, free-flowering, hardy shrubs.

Anthony Waterer. Makes nice, round bushes, three feet; beginning to bloom in summer, continuing until fall. Leaves round and clusters of white flowers all over the bush. 12 to 15 inches. 50c each; $5.00 per dozen.

Billardii. Pink flowers in bloom nearly all summer. It is good for planting in masses. 2 to 3 feet. 60c each; $6.00 per dozen.

Calliosa Alba. A white flowering variety of dwarf, bushy, symmetrical form. Blooms all summer. 18 to 24 inches. 60c each; $6.00 per dozen.

Van Houttiei. (Improved Bridal Wreath.) This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on lawn, in front of porch, in shrub borders or in a hedge. Handsome throughout the entire season, but when in flower it is a complete fountain of white bloom. Clusters of white blooms are set in the expanse of the foliage. Two to three feet. 50c each; $5.00 per dozen.

Prunifolia Fl. Fl. (Old Bridal Wreath.) Blooms in May, with pure white, double flowers. 3 to 4 feet. $1.00 each; $10.00 per dozen.

Revesei Fl. Fl. Tall, with dark, bluish green foliage, and large, double, pure white flowers in May and June. 3 to 4 feet. 75c each; $7.50 per dozen.

SPIREA SORBIFOLIA (Ash Leaf Spirea)

This shrub at maturity grows from 6 to 15 feet tall and its claim to recognition lies not alone in its perfect hardiness, but the unique effect it offers with its delicate green foliage, Monrovia. A 2-year-old bush is nearly a foot in diameter, bearing early in the spring, the foliage is a distinct factor in the beauty of the shrub throughout the season.

The narrow leaves, of a soft, downy character, that are a characteristic feature of this shrub, comes from the resemblance of its pure white blossoms in spikes of form nearly identical with that of certain Spireas like Salicifolia, etc. They appear in July and are beautiful both in bud and full blossom. Continues in bloom a long time.

It has been often remarked that Spirea Sorbifolia succeeds on any soil and under all exposures; and that it will grow and bloom where nothing else will. There are very few ornamental shrubs of which this may be said. It is a distinct type of shrub which should be found somewhere on every property; its location depending upon the size of the grounds and general effect required. In the landscape of any horticultural variety we suggest the use of this shrub wherever practicable, bearing in mind particularly its usefulness in massed effect. 2 to 3 feet. 50c each; $5.00 per dozen.

Thunbergii. Of dwarf, graceful form. Branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring. 2 to 3 feet. 75c each; $7.50 per dozen.

SYMPHORICARPUS. Racemosus. (Snowberry.) Flowers white or pinkish, in loose racemes in summer. Berries white, produced in showy, profuse clusters, the branches hanging under their weight. 2 to 3 feet. 75c each; $7.50 per dozen.

SYMPHORICARPUS. Vulgaris. (Coral-Berry or Indian Currant.) A grand shrub, producing a wealth of red berries, which remain on the branches all winter. Flowers greenish red in summer. Does well in shade. 2 to 3 feet. 75c each; $7.50 per dozen.

We do not guarantee or replace Plants, Shrubs or Trees at prices quoted.
ROSES

HARDY HYBRID PERPETUAL

Strong Two-Year-Old Plants. Ready for Delivery During October and November. $1.00 each; $10.00 per Dozen. Sent by express at customer's expense. If wanted by mail, add 5c each; 30c per dozen, for postage.

Clio. Large, globular flowers of flesh color, shading rosy-pink at center.

Frau Karl Druschki. An exquisite flower of the purest white.

General Jacqueminot. The old flavorite; velvety-crimson.

John Hopper. Brilliant crimson, large flowers, remarkable for their fragrance.

Jubilee. Flowers large, full and double; color glowing, velvety- crimson; fragrant.

Mad. Gabriel Luizet. Large full and fragrant flowers; soft pink with deep flesh colored center.

Magnan Charta. Deep pink, large, sweet scented and of fine form; one of the hardiest.


Mrs. John Laing. Large, beautiful pink blooms, borne on long, sturdy stems.

Paul Neyron. An immense rose of a deep rose color.

Prince C. de Rohan. (The Black Rose.) Deep velvety-crimson passing to intense maroon.

Ulrich Brunner. Cherry-crimson, large fine form, strong grower and hardy.

HARDY CLIMBING ROSES

We Offer the Best and Most Distinct Varieties. Strong Two-Year-Old Plants Ready for Delivery During October and November.

Price—Extra Strong Plants, 75c each; $7.50 per dozen. Sent by express at customer's expense. If wanted by mail, add 5c each; 30c per dozen for postage.

American Pillar. Color is a delightful shade of pink.

Climbing American Beauty. Same as its namesake in size, color and fragrance.

Crimson Rambler. Bright crimson flowers.

Dorothy Perkins. Beautiful shell-pink flowers.

Dr. W. van Fleet. Fine crimson-red; double; fragrant.

Excelsa. Crimson-scarlet; double flowers in clusters.

Gardenia. (Wichuriana.) Flowers cream color.

Pauls Scarlet Climber. Flowers scarlet, shaded crimson.

Silver Moon. Large, pure white flowers.

Tausendschon. Beautiful soft pink flowers.

HARDY CLIMBING PLANTS—Continued

WISTARIA, CHINESE. Delicate, violet-blue blossoms. 60c each; $6.00 per dozen; by mail, 65c each.

WISTARIA, WHITE. Large white flowers. 60c each; $6.00 per dozen; by mail, 65c each.

TREES

SHADE AND ORNAMENTAL

FOR LAWNS, STREET AND FOREST PLANTING

ASH. American white. A handsome, hardy, broad-headed tree. 5 to 10 feet. $2.00 each; $20.00 per dozen.

Catalpa Speciosa. A handsome, rapid growing tree. 8 to 10 feet. $2.25 each; $22.50 per doz.

Catalpa Bungei. (Umbrella Catalpa.) 6 to 7 feet. 1 year heads. $2.00 each; 2 year heads. $3.00 each.

ELM. American. A hardy, rapid grower; resists drought and is long lived. 6 to 8 feet. $1.50 each; $15.00 per dozen.

Linden. European. This is probably the largest leaved Linden. 6 to 8 feet. $3.00 each; $30.00 per dozen.

Maple. Norway. A large, handsome tree with a compact-rounded head of spreading branches. 8 to 10 feet. $4.00 each; $40.00 per dozen.

Maple. Rock or Sugar. An excellent shade tree of upright, dense growth. Grows to a large size and is long lived. 8 to 10 feet. $3.00 each; $30.00 per dozen.

Maple. Silver or Soft. Has wide, slender, spreading branches and thrives almost anywhere. 8 to 10 feet. $2.00 each; $20.00 per dozen. 10 to 12 feet. $2.25 each; $22.50 per dozen.

Peach. Flowering. Red and White. At its blooming time in May every twig and branch is bright with beautiful colored flowers. 3 to 4 feet. 75c each; $7.50 per dozen.

Poplar. Carolina. One of the surest and most rapid growing trees. 8 to 10 feet. $1.50 each; $15.00 per dozen.

Poplar. Lombardy. With age this tree becomes picturesque. 8 to 10 feet. $1.75 each; $17.50 per dozen. 10 to 12 feet. $2.00 each; $20.00 per dozen.

Sycamore. Plantanus Orientalis. (Oriental Plane.) Very hardy and does well in moist places. Thrives in smoky cities, making it a good tree for city planting. 5 to 8 feet. $2.00 each; $20.00 per dozen.

Tulip. (Liliodendron Tulipifera.) Tall, hardy tree of pyramidal habit and rapid growth. Bears flowers of a creamy-yellow and orange color in June. 6 to 8 feet. $2.00 each; $20.00 per dozen.

NOTE:—If planters will use our Prepared Humus in planting Shrubs, Trees, Roses, Evergreens and Hardy Perennial Plants, and mulch them with Peat Moss, much of the loss due to imperfect planting will be eliminated. (See pages 9 and 29.)

We do not guarantee or replace Plants, Shrubs or Trees at prices quoted.
CATALOG OF BULBS, 1926

Established 88 Years

FRUIT TREES, SMALL FRUITS, GRAPE VINES, ETC.

Select thrifty young trees in preference to old or very large ones, as the roots are more tender and fibrous. They bear transplanting better and are more apt to live if they can be moved more easily trimmed and planted to any desired form and the course of a few years will usually out-strip the older ones in growth. If not prepared to plant when your stock arrives, “hide in” by digging a trench deep enough to admit all the roots and setting the trees therein, carefully pack the earth about the roots, taking up when required. Never leave the roots exposed to the sun and air.

WINTER VARIETIES (Continued)

STAYMAN’S WINESAP. Fruit medium size, mostly covered with red on a yellow ground; flesh fine, crisp, juicy.

WINESAP. Medium, deep red, rich, sub-acid.

YORK IMPERIAL. Medium, yellow, shaded red, firm, juicy, sub-acid; an excellent shipping apple.

ONE YEAR OLD APPLE TREES

Of the Above Varieties

3 to 4 feet high... 35c each; $3.50 per dozen; 25 for $7.00; 50 for $13.00; 100 for $25.00.

CRAB APPLES

5 to 7 feet high... 90c each; $9.00 per dozen.

HYSLOP. Deep crimson; very popular on account of its large size, beauty and hardiness.

TRANSCENDENT. Skin yellow, striped with red.

QUINCES

3 to 5 feet high... 1.25 each; $12.50 per dozen.

APPLE OR ORANGE. Large, bright golden yellow, fine quality; flesh firm, cooks tender; October.

We do not guarantee or replace plants, shrubs or trees at prices quoted.
FRUIT TREES, GRAPE VINES AND SMALL FRUITS—Continued

CHERRIES
HEART AND BIGARDEAU (Sweet)
4 to 6 feet, first-class. $1.25 each; $12.50 per dozen.
BLACK TARTARIAN.
Very large, purplish-black, juicy rich, excellent, productive; last of June.
GOVERNOR WOOD.
Large, light red, juicy, rich, delicious; tree healthy and productive; June.
YELLOW SPANISH.
Large, pale yellow with light red cheek; late June.
DUKE AND MORELLO (Sour)
4 to 6 feet, first-class. $1.50 each; $15.00 per dozen.
DYEHOUSE.
A very early and sure bearer; ripens a week before Early Richmond; fine quality; June.
EARLY RICHMOND.
Medium, dark red, fine quality.
ENGLISH MORELLO.
Dark red, rich, acid, juicy, and good. Late July.

PEACHES
4 to 5 feet. 60c each; $6.00 per dozen.
CHAMPION.
Creamy white with red checks, freestone; early in August.
CRAWFORD'S EARLY.
Large, yellow, of good quality, freestone; early in September.
CRAWFORD'S LATE.
Large, yellow with red cheeks, freestone; last of September.
ELBERTA.
Large, yellow with red cheek, flesh yellow, firm, juicy, of high quality; very prolific; September.
HEATH CLING.
Large, flesh white, juicy and melting; October.
J. H. HALE.
Deep golden yellow overlaid with bright crimson. Large size and productive.
OLD Mixon FREE.
Large, yellow with red cheek; September.

PEARS—STANDARD
5 to 7 feet, first-class. $1.50 each; $15.00 per dozen.
BARTLETT.
Large, clear yellow, juicy, August.
FLEMISH BEAUTY.
Fruit is large, skin pale yellow, flavor sweet and melting; September and October.
KIEFER'S HYBRID.
Large, rich color and good quality.
SECKEL.
Small, yellowish brown; one of the best.

PLUMS
STANDARD ON PLUM STOCKS
5 to 7 feet. $1.25 each; $12.50 per dozen.
ABUNDANCE.
Large, yellow with heavy bloom, good quality; very prolific.
BURBANK.
The largest and best variety; color red; excellent quality; hardly and vigorous grower.
BROWN EXCELLENT.
Large, dark, fine quality; strong, vigorous grower; finest early extra plum.
SHIPPERS PRIDE.
Large, purple, fine, juicy and sweet.
YELLOW JUBILEE.
Beautiful, egg-shaped plum; of large size, flesh yellow; late August.

BLACKBERRIES
$1.00 per dozen; $5.00 per 100.
The Blackberry is one of the most profitable fruits to grow when properly managed, as it thrives well in almost any soil, but reaches perfection in a strong loam tending towards clay.
Ancient Briton.
Large fruit, stems loaded with good sized berries of fine quality; vigorous grower, one of the best.
Eldorado.
Large fruit, borne in large clusters and ripen well together, fine quality; good keeper.
Mercury.
Medium fruit, extra hardy, berries large, extra quality, sweet, rich and melting without core; good keeper and shipper; vigorous grower.
Taylor.
Medium fruit of fine flavor, extremely hardy and very productive; ripens late.

CURRANTS
Two-Year-Old Plants
A cool, moist soil is best adapted to the growth of Currants. Strong, moist loams with a considerable mixture of clay, are good. Even well-drained, stiff clay will give good results.
Cherry.
Large, bright red berries, with a thin skin and fine flavor.
Perfection.
A new red variety which promises to eclipse all other sorts, combining size, color, high quality and productivity; each; $4.00 per dozen.
White Grape.
Best white variety. 30c each; $3.00 per dozen.

SUITABLE DISTANCES FOR PLANTING SMALL FRUITS AND GRAPE VINES
Blackberries, 5 to 7 feet. Currants, 3 to 4 feet. Raspberries, black, 4 to 5 feet. Strawberries, 1½x3½ feet. Gooseberries, 3 to 4 feet. Raspberries, red, 3 to 4 feet. Strawberries, in beds, 1½x1½ feet. Grapes, 5 to 10 feet.

We do not guarantee or replace Plants, Shrubs or Trees at prices quoted.

DEWBERRY
Lucretia.
One of the low-growing, trailing blackberries. It has proved highly satisfactory wherever tried, and many say it is the best of all the blackberry family. $1.00 per dozen; $6.00 per 100.

GOOSEBERRIES
Two-Year-Old Plants
The best results are obtained by planting in moist, but not soggy, clay loams, but they will grow reasonably well in any well drained soil if they are well fertilized once each year.
Downing.
Large, pale green, and of splendid quality for both cooking and table use. 30c each; $3.00 per dozen.
Houghton's.
Small to medium; roundish, oval, pale red, sweet, tender, juicy, productive. 25c each; $2.50 per dozen.
Industry.
Berries of largest size, excellent flavor, pleasant and rich, dark red color when fully ripe; strong upright grower; an immense cropper. 25c each; $2.50 per dozen.
Smith's Improved.
Large, pale, greenish yellow, skin thin, of excellent quality. 35c each; $2.50 per dozen.

GRAPE VINES
ALL TWO-YEAR-OLD SELECTED STOCK
Grape vines will grow almost anywhere, but they should be carefully cultivated and
BLACK OR PURPLE GRAPES
*Concord. Large, black grape, hardy and productive; juicy and sweet. 20c each; $2.50 per dozen.
Ives' Seedling. Dark purple, sweet. 30c each; $3.00 per dozen.
Moore's Early. Ripens ten days earlier than Concord; bunch and berry round and large. 30c each; $3.00 per dozen.

RED GRAPES
*Catawba. Berries large, round; when ripe a dark copper color, sweet, rich. 30c each; $3.00 per dozen.
Delaware. Small, light red, thin skin; very Juicy, sweet, sprightly. 30c each; $3.00 per dozen.
Pecklington. Bunch and berry very large, attractive, golden yellow color. 30c each; $3.00 per dozen.

RASPBERRIES
They will do well in any good soil, but thrive best in deep, moist (not over wet) soil. The lighter loams are preferable for the red varieties, while the heavier loams suit the black varieties best.

The following varieties are all 75c per dozen, $5.00 per 100.
Cardinal. Produces a fine quality of dark red or almost purple berries through a long season.
Cumberland. The largest black cap; a healthy, vigorous grower; very productive.
Cuthbert. Large, firm, deep rich crimson, of excellent quality, tall, strong, vigorous. St. Regis. The berries are a bright crimson, of large size and surpassing quality—rich, sugary with full raspberry flavor.

STRAWBERRIES
Strawberries will do well in any soil that will grow good corn, soil should be made fine and loose. A generous supply of well rotted manure incorporated in the soil is of great benefit.

EVER-BEARING STRAWBERRY
Champion. Has no equal as to quality, productiveness, and hardness of plants. Quality of the fruit is of the very best. Size much larger than any other fall-bearing variety. 60c each; $2.50 per 100.

The following varieties are all 50c per dozen; $1.25 per 100.
Aroma. One of the finest for long-distance shipping. The large berries are bright red to the center, of conical shape with prominent annulus and productive yellow seeds.
Gandy. One of the best late varieties. Berries large, of rich, intense copper red, free from form and blemishes. 30c each; $3.00 per dozen.
Glen Mary. Large to very large, sometimes flattened; sweet, rich, delightful.
Senator Dunlap. Exceedingly vigorous, Fruit large, regular and attractive in form, deep red to the center; firm in substance.
### HORTICULTURAL TOOLS AND SUNDRIES

**CANES.** Six to eight feet long for plant stakes; per 100. $1.75

**CANES.** Japanese, green dyed, 3 feet long; per 100. $1.50

**GLASS CUTTER, CRESCENT.** The best cheap cutter on the market. Each, 20c; per dozen. $3.00

**GLAZING POINTS, PEERLESS.** Will stop your glass from sliding; made of galvanized steel wire.

<table>
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<th><strong>No.</strong></th>
<th><strong>Size</strong></th>
<th><strong>Price</strong></th>
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<td>15</td>
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<td>$1.50</td>
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**GLAZING POINTS, ZINC CITY.** Effective on large or small glass; easy to drive, easy to extract. Per lb. 60c

**KNIVES, PRUNING.** $1.25 to $2.00

**KNIVES, BUDDING.** $1.00 to $1.75

**KNIVES, ASPARAGUS.** 40c

**LABELS, WOOD.** For pots, painted: Per 100, 5c; per 1,000, 35c.

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<thead>
<tr>
<th><strong>Size</strong></th>
<th><strong>Price</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2 1/2 inch</td>
<td>$0.10</td>
</tr>
<tr>
<td>3 inch</td>
<td>$0.15</td>
</tr>
</tbody>
</table>

**LAMP, DEFUENCE FUMIGATING.** (For use in greenhouses.) It burns kerosene. Used by prominent Market Gardeners all over the country. Each, 65c; per dozen. $6.75

**Mastic Glazing Machine.** Price. $2.75

**Mats, Hotbed—Strong Burlap. Indestructible and warm. Size, 76x76 inches. $3.00

**Mattlock, Long Cutter, With handle.** Price. $1.75

**PRUNING KNOTS, TREE—Happy Thought. 6 ft. Price. $2.00

**PRUNING KNIVES, TREE—Detroit. 6 ft. Price.** $2.00

**PRUNING LITTLE GIANT TREE.** To use on a pole. Price. $1.25

**PRUNING SHEARS.** Lopping shears: 21-inch handles... $2.75

**PUTTY, PEERLESS BLACK GLAZING.** For glazing greenhouses. Remains flexible and pliable for years. Price. $1.75

**PUTTY, TWEEDLOW’S LIQUID GLAZING.** For bedding glass in such. One gallon will cover about 600 running feet (one side). Price. $2.75

**PUTTY BULB.** A useful tool for applying liquid putty and glazing greenhouses. Price. $1.25

**Japanese Broom Rake.** An ingenious device for cleaning the debris out of a lawn or grass plot, leaving it as free from refuse as though per 100, 60c; per 1,000, $8.00. 

**Lawn Cleaner, Pennsylvania.** This machine will clean your lawn more thoroughly and quicker than three or four men can do it with hand rakes; and greatly benefit the turf. In the autumn it takes up the heaviest fall of leaves. It is made of metal, wood and canvas and is put together in a most durable and thorough manner. Price. $38.00

**Masticia.** For glazing greenhouses. One gallon will cover about 600 running feet (one side); gallon. $2.75

### MITCHELL ALL-WOOD LAWN RAKE. Substantially built of Hardwood but light in weight. Special shaped teeth make it easy to use. Getting the loose grass without digging out the grass roots. For raking leaves it is the finest thing on the market. It will not scatter the leaves, so it does away with all the work. The head will not split. The round Hickory brace keeps the head solid on the handle. With twenty Hickory teeth set in a head 22 inches wide and a 6-foot handle, this rake is the ideal size for general use. $1.50

**RAFFIA, NATURAL.** The best tying material for plants, also used for making hats, baskets, etc.

**RAFFIA, COLORED.** For making baskets and fancy work in following colors: Black, Green, Orange, Pink, Red. Price per lb. 50c; 1 lb. $1.50

**Sash, Hotbed, Unglazed.** Made from strictly clear Cypress lumber. White lead used on the tenons and iron dowel pins at the corners;

- No. 1, 3 1/2 ft., three rows, 10-inch glass. Each. $3.50. Dozen. $35.00
- No. 2, 4 ft., five rows, 6-inch glass. Each. $4.50. Dozen. $45.00

**SAWS, PRUNING.** 16-inch. $1.00

**SAWS, PRUNING, Distson...** 2 1/2.

**SEED SOWER, LITTLE GIANT.** For scattering small or large-seeded grass seed, clover seed, etc.; in fact, any kind of seed broadcast. It weighs but three pounds and has three pounders at the end. Price. $1.00

**SPRINKLER, RUBBER, SCOL-LAY’S.** Indispensable for floral work and window gardening. Large size, $5.75.

**THERMOMETERS.** Hotbed or Mushroom. $2.75

**WATERING POT, GALVANIZED.** Made from best quality of iron and heavily galvanized. Two roses with each pot for fine and coarse watering. Large Spout. 4 qt. $2.75; 6 qt. $4.00; 8 qt. $4.80; 10 qt. $4.75; 12 qt. $5.50.

**WAX GRAFTING.** 1 lb. $1.00; 2 lb. $1.50; 5 lb. $2.00; 10 lb. $3.00

**Wire Folding Plant Stands.** There is more room for the pots and foliage than any other stand that takes the same amount of floor space.

- 3-Tray Wire Stand—Trays 7 1/2 in. wide x 20 in. long. $5.00
- 2-Tray Wire Stand—Trays 7 1/2 in. wide x 20 in. long. $4.00
- 1-Tray Wire Stand—Tray 10 in. wide x 24 in. long. $3.00

### Neponset Waterproof Paper Flower Pots

**Lower In Cost Than Earthen Pots and Unbreakable.**

For over twenty years florists, nurseriesmen and market gardeners have used the NEPONSET Flower Pot with entire satisfaction. The pot eliminates the troubles and loss caused to shippers of plants and nursery stock in clay. For transplanting and shipping bulbs, and for rooting or shipping strawberry, tomato and cabbage plants. Neponset Waterproof Pots are almost ideal.

<table>
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<th><strong>Size</strong></th>
<th><strong>Per 100</strong></th>
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<td>2 1/2 inch</td>
<td>$1.25</td>
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<tr>
<td>3 inch</td>
<td>$1.50</td>
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</tbody>
</table>

### JAPANESE BROOM RAKE

- An ingenious device for cleaning the debris out of a lawn or grass plot, leaving it as free from refuse as though per 100, 60c; per 1,000, $8.00.

- **Masticia.** For glazing greenhouses. One gallon will cover about 600 running feet (one side); gallon. $2.75

### Lack of space prevents us listing all the Horticultural Tools and Sundries we carry—but will be pleased to supply any equipment needed at current prices.
PARAGON SPRAYERS

These Sprayers are strongly constructed and can be easily operated by one man. They can be brought into close proximity to the work, thereby eliminating the use of a long, expensive hose. Our patented, self-cleaning strainer prevents the build-up of fine residue on the needle, thus preventing clogging and allowing the spray to be sprayed with a small amount of liquid, making it a very economical sprayer.

All parts of the machine are made of the best material obtainable.

The reservoir is made of heavy galvanized iron. All essential fittings and valves are made of brass, making it strong and durable. The body of these pumps is cast to prevent breakage. The screen is of heavy perforated brass and will last many years. The pump frame can be removed from the tank when it needs cleaning and by running water through the pump, the entire machinery can be easily and thorolyly cleansed.

Suitable for spraying Insecticides and Fungicides on trees, shrubs and vines, as well as the application of White-Wash and Cold Water Paints.

PRICE LIST OF PARAGON SPRAYERS

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity</th>
<th>Equipment</th>
<th>4 feet spray hose</th>
<th>3 feet spray pipe</th>
<th>1 mist spray nozzle</th>
<th>1 steel cap for mist nozzle</th>
<th>1 straight spray</th>
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<tbody>
<tr>
<td>1</td>
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<tr>
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<td>12 gallons</td>
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<tr>
<td>4</td>
<td>28 gallons</td>
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<td>36.00</td>
<td>4.75</td>
<td>12.50</td>
<td>$5.50</td>
</tr>
</tbody>
</table>

Sprayer No. 1 Paragon

Paragon Bucket Spray Pump, $7.00

SPRAY PUMPS,ATOMIZERS AND BELLOWS

HUDSON PERFECTION COMPRESSED AIR SPRAYER

It is just the thing for general work around the house, in gardens and small farms. Used for general spraying, white-washing, spraying disinfectants, cold water paints, etc.

Seams are all riveted and spot-welded, giving the great strength necessary for the high pressure it develops.

Tank. 7½ inches diameter, 20 inches long, capacity 4 gallons.

Made of first quality galvanized sheets or all brass as ordered.

No. 110G. Galvanized Steel Tank, Capacity, 4 gallons, $6.50
No. 110B. Brass Tank, Capacity, 4 gallons, $9.50

Hudson Perfection Junior Compressed Air Sprayer

Tank, 6½ inches diameter, 17 inches long, capacity about 2½ gallons. Made of first quality galvanized sheets. Tested under actual working conditions at the factory.

No. 140—G. Galvanized Tank, Price, each, $6.00
MYER'S Lever Bucket Brass Spray Pump, Complete with hose and graduating Vermorel fine, coarse spray and solid stream nozzles. $8.00
MYER'S Defense Brass Spray Pump. Complete with hose and graduating Vermorel fine, coarse spray and solid stream nozzles. $5.00

MYER'S Little Giant Brass Spray Pump. Complete with hose and imperial combination, fine, coarse spray and solid stream nozzle. $4.00
Four-foot Pipe Extension. 50c
Bordeaux Nozzle. $1.00
Graduating Vermorel Nozzle. 90c

AUTO COMPRESSED AIR SPRAYER

Can be suspended from the shoulder, allowing the free use of the arms. A few strokes of plunger in air chamber will compress enough air to discharge contents. A practical machine for potatoes, tobacco, small fruits, vineyards, perry houses, greenhouses, etc. Extension pipes for spraying trees.

Auto Sprayer, No. 1-B. Brass tank, with Auto Pop Nozzle. $9.00
Auto Sprayer, No. 1-D. Galvanized tank, with Auto-Pop Nozzle. $8.00
Brass Extension, 60c. 60c
Elbow, extra. 40c
Auto-Spray No. 5. Pump, hose, nozzle and strainer, complete. Price. $8.00
Brass Extension, extra, 60c. Elbow, extra. 40c

Page 26
SPRAYERS, ATOMIZERS AND BELLOWS—Continued

THE ROBERTSON COMPRESSED AIR SPRAYER

Gives a continuous spray. By means of the universal nozzle the spray can be thrown on the under side of leaves of plants and shrubs, the under side of beds and other furniture, into corners behind doors, on top of mouldings, window casings, behind steam pipes, and other difficult places. Capacity, one quart.

Tin Pump with Tin Reservoir, each 90c; Tin Pump with Galvanized Reservoir, each $1.15; Brass Pump with Brass Reservoir, each $1.65.

ACME CYCLONE ATOMIZER. Well made of heavy, bright tin plate. Tank 4 by 5 inches, air chamber 14\(\frac{1}{2}\) inches long, 1\(\frac{1}{8}\) inches in diameter. Capacity, 5 pints. Price, each... 75c

ACME GLASS TANK ATOMIZER. Mason jar, air chamber 1\(\frac{1}{2}\) inches in diameter, 18\(\frac{1}{8}\) inches long. Pfister rod copper better of our own make a single one which can be broken longer accidentally can be replaced at once with a Mason Fruit Jar. Price, each... 75c

ACME POWDER BELLOWS. It requires no base of supplies; all you need carry is a can of dry Insecticide and bellows. Without stooping—the elbow does it—it applies any powdered poison on any plant in any desired quantity at any angle or in any position. Price, each... 50c

WOODSON’S POWDER BELLOWS. Single cone, small... $2.50; single cone, large... $3.75

ACME FOG ATOMIZER. Strong, durable and satisfactory. Price, each... 50c

MIDGET ATOMIZER. A small, compact, substantial and very efficient Tin Sprayer. Price, each... 35c

HUDSON POWDER GUN. Tank 3 inches in diameter. A small and effective Powder Gun. Price, each... 50c

INSECTICIDES AND FUNGICIDES

Liquids Insecticides and Poisons cannot be sent by mail.

**AZENKE’S LIQUID FUNGICIDE**

Powerful, reliable remedy for Leaf Spot, Leaf Rust, Scab, Mildew, Black and Brown Rot and most other Fungous troubles. Per gallon, $3.00. (Sufficient to make 50 gallons of solution.)

**NICO-FUME LIQUID**

For destroying Aphids, Thrip and Red Spider. Contains 40 per cent nicotine. Use one to two teaspoonsful of Liquid to each gallon of water. This is a contact remedy. 1 lb., 75c; 1 lb., $2.25; 4 lbs., $8.00; 8 lbs., $15.00.

**CYANOGRAS (CALCIUM CYANIDE)**

(For Greenhouse Fumigation)

All fumigation should be started by using one-quarter ounce of Calcium Cyanide for each 1,000 cubic feet of space, the correct dosage for a tight house. This dosage should kill 100 per cent of aphis (“black fly), “green fly,” etc.) such as rose aphis and chrysanthemum aphis; 100 per cent each of adults and larvae of the white fly; all exposed thrips and the younger stages of the soft scale.

Fumigation is started at dark by simply scattering the Calcium Cyanide evenly on the walls, after which the house is closed for the night. The material is scattered evenly from end to end of the house on several of the walls; if it being unnecessary to treat every wall.

If it is inconvenient to weigh out the Calcium Cyanide it may be measured with sufficient accuracy on the basis of one-half ounce for the average level tablespoonful.

By the following morning the gas will have practically disappeared; hence it is not necessary to open the ventilators and air out the house.

Fumigating Greenhouses with Calcium Cyanide, will effect a saving to most growers of more than 75 per cent over the cost of present methods of fumigation. Per lb., 55c; 5 lbs., $2.25; 25 lbs., $8.75.

**NOTICE—Insecticides prefixed by star (**) cannot be mailed.**
INSECTICIDES AND FUNGICIDES—Continued

Liquid Insecticides and Poisons cannot be sent by mail.

PARADOW (Para-Dichior-Benzene) Kills the Peach Tree Borer
(Directions for Use.)

First: Prepare and level the ground around the base of the tree by clearing off the grass and weeds for a distance of 15 inches from the tree. Do not dig up the soil more than is necessary. Scrape gum and dirt from collar of tree.

Second: Apply one ounce (2 tablespoons) of Paradow evenly on the ground in a circular band entirely around the tree. Take care that the inner part of the band is 2 inches away from the tree trunk. Use one ounce per tree by weight, somewhat more for very large trees.

Third: Cover the Paradow carefully with a few shovels of dirt and pack it down with the back of a shovel, making a cone-shaped mound around the tree.

The packed earth holds the gas which is given off from the Paradow. This gas is heavier than air. It works downward even through the most dense soils to the trunk and to the roots of the trees, where it reaches and kills the larvae.

Time of Application: The best time to apply is in the fall of the year after all the eggs have hatched. In case a fall application has not been made, a spring treatment is desirable. One annual treatment in the fall, if properly made, will give a high degree of protection. Apply about September 16th in Michigan. October 1st in Connecticut and New York; about September 10th for New Jersey, West Virginia, Maryland, Illinois and Indiana; about September 25th for North Carolina and the Ozarks; about October 10th for Georgia and Texas.

Prices: 1 lb., 60c; 5 lbs., $2.50; 10 lbs., $4.25.

McCULLOUGH'S HIGH GRADE FERTILIZERS

All Fertilizers Delivered Free on Board Cincinnati. All Prices Subject to Change Without Notice.

CATTLE MANURE—Shredded

A SUBSTITUTE for stable manure in gardens and greenhouses, as it has been used for years and has proven to be worthy of extensive use. It is desirable for greenhouse and flower garden work, also for lawns and vegetables.

For pot plants, mix about one-third humus with two-thirds regular potting soil.

For lawns and greenhouse benches, it is applied as a top dressing from one-half to one inch in depth, which should be then worked in.

If grass seed is to be sown, then is the time to apply it, and on golf links it is used in a similar way.

For flower and vegetable garden, apply at the rate of one-half to two inches deep and fork in well in the soil, or apply it in trenches the same as you would well rotted manure.

The prepared Humus is dry, thoroughly pulverized, odorless and clean to handle and apply and absolutely free from weed growth.

The following quantities are required to effectively cover an acre. If applied 1/2-inch in thickness, thirty tons are needed for an acre.

If 1 inch thick, one hundred tons for an acre are needed for an acre lawn work as a top dressing, one hundred pounds will effectively treat about 800 square feet, or three tons per acre.

Prices: 50c; 10 lbs., 1,000 lbs., $1.25; 100 lbs., $1.75; 500 lbs., $8.00; 1,000 lbs., $15.00.

PLANT STIMULANT—TABLET

MAKES A WONDER GARDEN

Use it and you will have the largest crops of fruit and vegetables, and an abundance of the largest and sweetest-scented flowers of intense and vivid colors.

Here is the secret. Science has produced a tablet that is rich in plant food, containing 11 per cent Nitrogen, 12 per cent Phosphoric Acid and 15 per cent Potash, and it is odorless and clean. Compare this analysis with that of any other fertilizer.

This is no applied broadcast, but is put at the feeder roots of individual plants, so there is no waste and you feed the plants that need it. It produces no weeds, like ordinary stable manure, so it economizes time.

Each tablet contains highly concentrated, immediately available plant food, and enables the grower to control the development of plants. They increase production, heighten color and improve quality.

Insert tablet in the soil near plants. Or, four tablets dissolved in a gallon of water is the solution used instead of liquid manure and is less trouble and gives better results than the other objectionable method. It makes liquid applications to the soil—not on foliage or stems.

Complete directions with every package.

Price, postpaid: trial size (10 tablets) 75c; 50 lbs., $1.25; 100 lbs., $1.75; 500 lbs., $8.00; 1,000 lbs., $15.00.

(Fertilizers continued to next page.)
FERTILIZERS—Continued

AMMO-PHOS (AMMONIUM PHOSPHATE)

AMMO-PHOS contains 20% of ammonia, practically all soluble and readily available, and 20% of available phosphoric acid.

The product is dry and granular. It contains no free acid. It does not absorb moisture from the air.

Its continued use tends to check the growth of white clover, goose grass, chickweed and other noxious northern forage green weeds.

FOR GREENS. Apply three pounds of Ammo-Phos to the thousand square feet monthly during the growing season of five months, or a total of fifteen pounds per one thousand square feet per annum. To aid in obtaining a uniform distribution, the Ammo-Phos may be mixed with sand or loam compost before spreading. Follow the application by a thorough watering.

If mixing with earth before spreading is not convenient, due to conditions, the three pounds of Ammo-Phos may be dissolved in a half barrel of water, and the solution applied evenly with a sprinkling can, following, as above, with a thorough watering.

FOR FAIRWAYS. The quantity applied to greens is generally correct, but in poor soils it may be difficult to treat in the same manner. Then, too, it may not be possible to fertilize so often, due to labor conditions. Fifteen pounds per square foot three applications of five pounds per 1,000 square feet each, given dry as if sowing wheat, once in the spring, once in mid-year, and once in the fall, before a rain, is recommended.

It must be borne in mind that over fertilization causes burning and should be avoided by even distribution. If applied evenly over the specified area this should never occur. We regard this as very important.

1 lb. 15c; 2 lbs. 25c; 10 lbs. $1.00; 25 lbs. $2.00; 50 lbs. $3.75; 100 lbs. $7.00.

SULPHATE OF AMMONIA

CONTAINS approximately 25% of ammonia and comes in fine crystals which are very nice to apply broadcast. Owing to the firmness and keeping qualities it is preferred by some gardeners and fruit growers to Nitrate of Soda. Owing to the fact that it carries 5% more ammonia to the weight than Nitrate of Soda, the user should apply four pounds of Sulphate of Ammonia where he uses five pounds of Nitrate of Soda. 1 lb. 15c; 2 lbs. 25c; 10 lbs. $1.00; 25 lbs. $2.00; 50 lbs. $3.00; 100 lbs. $5.00.

MURIATE OF POTASH

APPLY 100 to 150 lbs. per acre, usually with other fertilizers. This must be used with great care as it is very powerful. Excellent for Potatoes, Corn, Grains, etc. 1 lb. 15c; 2 lbs. 25c; 10 lbs. $1.00; 25 lbs. $2.00; 50 lbs. $3.00; 100 lbs. $5.00.

ACID PHOSPHATE 16%

SOME soils contain a large percentage of Nitrogen and some Potash, but still are deficient in Phosphoric Acid. This must be supplied for the purpose of producing a balanced combination of fertilizer elements, by the application of 16% Acid Phosphate which produces a beneficial effect by supplying the proper proportion of Phosphoric Acid. Apply from 200 to 400 lbs. per acre. Analysis: Available phos. acid 16%; insoluble, 1%. 5 lbs. 30c; 10 lbs. 50c; 25 lbs. $1.00; 50 lbs. $1.50; per bag of 125 lbs. $2.25.

MOSS, PEAT

AND POTTING SOIL

Moss. Green Sheet. For hanging basket, etc. Per bale, 55c large bundle (5 bales). $2.00.

Moss, Sphagnum. For packing plants and growing orchids, etc. 1 lb. 15c; per bale, 55c.

Granulated Peat Moss. Per bale of 15 cubic feet $4.50.

Potting Soil. Peck 35c; per bushel, $1.25.
MUSHROOM SPAWN

(One pound of Spawn is sufficient for a bed 2x6 feet.)

American Made Pure Culture Mushroom Spawn. A very superior article, made in this country from carefully selected spawn, which it is claimed is much more vigorous than the imported article, and will produce Mushrooms of a very superior quality and flavor. The popularity of Pure Culture Spawn is increasing rapidly and many of the large growers are now using it. They claim it is a surer crop. Amateurs have much the best results with this kind. By express—customer to pay charges—per brick, 30c; 5 bricks, $1.25; 100 bricks, $20.00. By mail, 35c per brick; 5 bricks, $1.50; postpaid.

Treatise on Mushroom Culture, 10c, or given with an order of 10 bricks of Mushroom Spawn.

Mushroom Culture. (Wm. Falconer.) The most practical work on the subject, $1.00.

McCULLOUGH’S PLANT TUBS

An excellent tub, neat and durable. Made from 3/4-inch Cypress, with iron handles and feet, 3 steel hoops and 2 coats of green paint.

<table>
<thead>
<tr>
<th>Size</th>
<th>Each</th>
<th>Dozen</th>
<th>Per 100</th>
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CYPRESS PLANT TUBS

Made of seasoned selected Cypress, bound with steel hoops. Painted green, inside and out, and top edge finished with round bevel.

<table>
<thead>
<tr>
<th>Size</th>
<th>Each</th>
<th>Dozen</th>
<th>Per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 7-12</td>
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</tr>
<tr>
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FLOWER POT SAUCERS

<table>
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<td>6</td>
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<td>7</td>
<td>$0.08</td>
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Our Flower Pots and Saucers are standard make, of extra fine finish, and bear shipping well. No charge for Packing.

STANDARD FLOWER POTS, AZALEA FLOWER POT AND ROUND SEED PANS

<table>
<thead>
<tr>
<th>Size</th>
<th>Each</th>
<th>Dozen</th>
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<td>4</td>
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PRICE LIST OF HUTS AND CABINS

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</tr>
<tr>
<td>$2.75</td>
<td>Titmouse, each</td>
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<tr>
<td>$2.50</td>
<td>Chickadee Hut, each</td>
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<tr>
<td>$2.75</td>
<td>Woodpecker and Flicker Hut, each</td>
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<tr>
<td>$6.00</td>
<td>Martin Houses</td>
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<tr>
<td>$5.00</td>
<td>Squirrel Cabins, each</td>
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The Dodson Improved Sparrow Trap

The Dodson Sparrow Trap is made of tinned wire, electrically welded, strong and durable—will last for years. It has sharp, adjustable needle points projecting from the mouth of each of the two funnels, which effectively prevent any sparrows from getting out of either the front or second enclosure. Size 36 x 18 x 12 inches. Price, complete with receiving box $9.00

STUCO BIRD HOUSES

The birds which nest and harbor in cavities and hollows are in most instances the most valuable of our native birds, which love the vicinity of man, seemingly not only to delight him with chirp and song, but are the most diligent to keep plant life free from parasites and devouring insects. Our model hutlets and cabins which we provide for these charming entertainers are appreciated by all bird lovers.
POULTRY APPLIANCES AND SUPPLIES

PRAIRIE STATE SAND TRAY INCUBATORS

The Prairie State Incubators are built in four sizes, ranging from 100 to 300 eggs. All Prairie States are equipped with Sand Trays, Egg Trays, Nursery Mats, Thermometers, Egg Testers, Lamps and everything complete ready to operate.

PRICE LIST OF PRAIRIE STATE Sand Tray Diffusion Incubators

<table>
<thead>
<tr>
<th>Standard No.</th>
<th>Eggs</th>
<th>Price</th>
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<tbody>
<tr>
<td>0, 100 hen eggs; 135 lbs., crated</td>
<td>$35.00</td>
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<tr>
<td>1, 150 hen eggs; 160 lbs. crated</td>
<td>$32.50</td>
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<tr>
<td>2, 240 hen eggs; 240 lbs. crated</td>
<td>$47.50</td>
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<tr>
<td>3, 390 hen eggs; 325 lbs. crated</td>
<td>$62.50</td>
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</table>

Egg capacity considered, the Prairie State Incubators are now the lowest priced high-grade machines on the market.

BUCKEYE INCUBATORS

If we offer these incubators as the best Hot Water Incubators on the market. These incubators are built in several sizes to meet all requirements both in size and price. Send for Descriptive Catalogue.

BUCKEYE PORTABLE BROODER—Built in Three Sizes

The Outside Shell is made of 28-gauge galvanized steel; the inside shell is 28-gauge black iron, with a one-inch dead air space between. The Brooder Body is supported by three cast-iron legs that are rigidly secured to the sides by a set nut, which makes them easily detachable.

No. 20. Diameter, 19 inches; capacity, 60 chicks; shipping weight, 19 lbs. Price.
No. 21. Diameter, 22 inches; capacity, 100 chicks; shipping weight, 35 lbs. Price.
No. 22. Diameter, 30 inches; capacity, 150 chicks; shipping weight, 63 lbs. Price.

“RED CHIEF”

Rapid Grinding Feed and Grist Mill For Grinding Small Dry Grain

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity, 1 to 2 bushels per hour</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td>$3.60</td>
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<td>2.</td>
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<td>$5.00</td>
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<tr>
<td>5.</td>
<td>1½ to 2 bushels per hour with fly wheel</td>
<td>$7.00</td>
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<tr>
<td>10.</td>
<td>Capacity, 2 to 4 bushels per hour. Fitted with fly wheel. Price. $8.50</td>
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<tr>
<td>20.</td>
<td>Power Mill. Capacity, 10 to 20 bushels per hour. Price. $20.00</td>
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</tbody>
</table>

MOE’S DOUBLE FEEDING TRough

Double trough, with sliding top easily filled and cleaned. Accurately stamped with dies. No rough edges.

<table>
<thead>
<tr>
<th>No.</th>
<th>Length</th>
<th>Price</th>
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<tbody>
<tr>
<td>58.</td>
<td>12 in.</td>
<td>$0.45</td>
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<tr>
<td>59.</td>
<td>18 in.</td>
<td>$0.60</td>
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<tr>
<td>60.</td>
<td>24 in.</td>
<td>$0.70</td>
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</table>

Prices on all Poultry Feeds and Appliances subject to change without notice.
MANN'S GREEN BONE CUTTERS

No. 5-C. For flocks of 25 to 50 hens. Weight 35 lbs. Price $12.50
No. 5-B. For flocks of 25 to 50 hens. Weight 60 lbs. Price $15.50
No. 5-B-M. For flocks of 25 to 50 hens. Weight 85 lbs. Price $18.75
The No. 5-C, No. 5-B and No. 5-B-M. do not have the split hinged cylinder.
No. 7. For flocks of 75 to 100 hens. Weight 107 lbs. Price $20.75
No. 7½. Capacity, 50 to 100 lbs. per hour. Price $12.50
No. 9. For flocks of 200 to 300 hens. Weight, 170 lbs. Price $31.00
No. 11. Capacity, 100 lbs. and upwards per hour. Weight, 215 lbs. Price $45.00
No. 12. Capacity 150 lbs. per hour. Weight 260 lbs. Price $65.00

Send for Descriptive Catalogue of Bone Cutters.

MOE'S DRY MASH HOPPER

A trial will convince you that it is a Hopper of the greatest merit. Manufactured of heavy galvanized iron in four sizes.

No. 35—8 1/2 in. wide, each $1.50
No. 36—12 in. wide, each $2.00
No. 37—18 in. wide, each $4.00
No. 37—24 in. wide, each $2.80

IMPROVED HANDY HOPPER

The Improved Handy Hopper is made of galvanized iron throughout. All parts are spot welded together. It is provided with hinged lid over both hopper and trough, making it rat and mouse proof, as well as dirt proof.

Hopper is 15 inches in height, 4 1/2 inches in width and made in four lengths.

No. 1—12 inches in length, each $1.75
No. 2—18 inches in length, each $2.25
No. 3—24 inches in length, each $2.75
No. 4—30 inches in length, each $3.50

MOE'S GRIT AND SHELL BOXES

No. 9. Moe's Grit Box: capacity about 1/2 bushel. Price $3.00
No. 90. 4 compartments 1.25
No. 45. 2 compartments .40

WALL CHICK FEEDER

Wire screen keeps chicks from wasting the food. Sloping top prevents roosting.

10-inch, each. $0.75
20-inch, each. 1.25

ROUND BOTTOM DRY FOOD HOPPER

Dry mash and meat scrap feed readily. Each $0.50

UNION LOCK Poultry FENCING

As all of the cables are the same length, and run the whole length of the fabric, every part can be stretched perfectly. Because of its strength and construction, this fence requires no top or bottom rail and no more posts than the ordinary woven stock fence, or about one-half the number needed in ordinary poultry netting. Union Fence is especially adapted for use where a light, attractive and neat appearance is required.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
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<tbody>
<tr>
<td>12-in., bale of 10 rods</td>
<td>$2.00</td>
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<tr>
<td>36-in., bale of 10 rods</td>
<td>$4.35</td>
</tr>
<tr>
<td>18-in., bale of 10 rods</td>
<td>$3.00</td>
</tr>
<tr>
<td>24-in., bale of 10 rods</td>
<td>$3.60</td>
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</table>

Moe's Eclipse Feeding Trough

For chicks and growing stock.

No seams, rivets or solder.

Sliding top easy to fill and keep clean.

No. 27. Length 10 inches, each $0.25
No. 28. Length 20 inches, each $0.40

Moe's Improved Top Fill Fountains

Provides pure, fresh water at all times. The double wall construction retards freezing and keeps water cool in summer. Fills from the top, easily cleaned, and feeds automatically.

No. 1. Capacity 1 gallon, each $1.75
No. 2. Capacity 2 gallons, each $2.50
No. 4. Capacity 4 gallons, each $3.25

Moe's Star Fountain and Feeder

Made of a single piece of heavy metal. No solder, no seams, no loose parts. Suitable for feed as well as water. Little chicks can not drown. Fits any Mason jar in 1 pint, 1 quart, and 2 quart sizes.

No. 32 (Glass jar not included). 10c

Drop Bottom Fountain

Drop Bottom, easy to fill and to clean. Has wire handle and may be hung on the wall out of the litter and dirt.

2-qt. capacity, each $0.95
1-gal. capacity, each $1.20
2-gal. capacity, each $1.50

Peerless Drinking Fountain

Easy to clean and fill and fowls cannot injure their combs when drinking. Simple in construction, durable and practical.

5-qt. size, each $1.00

Prairie State Meat Scrap Hopper

Capacity 10 pounds scrap. Each $0.75
**ORDER SHEET**

THE J. M. McCULLOUGH'S SONS CO., Seedsmen  
R. S. McCULLOUGH, Pres.  
CHAS. R. MOORE, VICE PRES.  
316 Walnut Street,  
(Between Third and Fourth Streets)  
CINCINNATI, O.  
PHONE, MAIN 4398

WRITE YOUR NAME AND ADDRESS DISTINCTLY AND IN FULL

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
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<td>Post Office</td>
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<td>State</td>
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<td>Rural Route (If different)</td>
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<td>Shipping Point (from P. O.)</td>
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Please forward by

State if wanted by Mail, Express or Freight and which Company.

Remittance may be made by P. O. Order, Express Money Order, Postage Stamps, Drafts on New York or Cincinnati, or Cash by Express.

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<th>Enclosed find</th>
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POSTAGE { Bulbs by the dozen and single bulb are sent postpaid. On larger quantities purchaser pays transportation charges.

For postage on GRASS, CLOVER, FARM SEEDS, POULTRY FEEDS, PLANTS, etc., see postal rates 2nd page of cover.

Please use this order sheet for orders only and carry out catalogue price of each article. Order Flower Seeds by number. For further particulars and conditions of sale, see 2nd page of cover. Always write letters on a separate sheet from your order. More order blanks will be sent on request.

The J. M. McCullough's Sons Company gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, plants or bulbs it sells, and it will not be in any way responsible for the crop.

Trade Marks Registered, McCullough's Seeds, XXXX, Buckeye, Suburban Lawn Grass, Central Park Lawn Grass.

<table>
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<tr>
<th>Quantity</th>
<th>Name of Article Wanted</th>
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From

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The J. M. McCullough's Sons Co.,
SEED MERCHANTS,
No. 316 Walnut Street,
P. O. Box 845

CINCINNATI, OHIO
DOUBLE QUICK GRAIN SPROUTERS

The Perpetual Poultry Silo that grows Green Feed while you wait. Sprouts in 20 to 30 hours and forces growth of an inch to two a day. Makes 2 to 6 bushels of green feed from one of dry grain. Many thousands of the Double Quick now in every part of the United States and Canada, and is in use almost every civilized country in the world.

PRICES, CAPACITY, WEIGHT, SIZE

No. 24—24 Qts.—3/4 bu. For 75 to 100 hens. Size 22x16x26; 3 trays, six compartments. Weight, rated, 50 lbs. Price......$18.00

No. 40—40 Qts.—1 1/2 bu. For 125 to 175 hens. Size 22x16x40 inches; 5 trays, 10 compartments. Weight, rated, 90 lbs. Price......$24.00

No. 80—80 Qts.—2 1/2 bu. For 250 to 325 hens. Size 26x26x42 inches; 10 trays. Weight, rated, 125 lbs. Price......$35.00

No. 150—150 Qts.—5 bu. For 500 to 600 hens. Size 50x28x44 inches; 20 trays. Weight, rated, 200 lbs. Price......$49.00

No. 256—256 Qts.—8 bu. For 800 to 1,000 hens. Size 54x28x62 inches, 32 trays. Weight, rated, 300 lbs. Price......$72.00

ALUMINUM FEEDING TROUGH

Excellent for feeding Buttermilk, as the aluminum is not affected by the acids of sour milk and similar feeds. Has sliding top. Easy to clean and will never rust.

No. 69. Length 10 inches, each .....50c

No. 70. Length 20 inches, each .....90c

Poultry, Pigeon and Dog Feeds and Supplies

We have over 50 different feeds for Poultry, Pigeons and Birds, but on account of market fluctuations it is impossible to quote firm prices on Grain Feeds. We will be glad to quote Special Prices on Feeds of all kinds on request.

We quote present market values on the following:

MEAT SCRAPS. 50 per cent Protein. 3 lbs., 25c; 25 lbs., $1.40; 50 lbs., $2.60; bag of 100 lbs., $4.85.

DIGESTER TANKAGE. 60 per cent Protein. Per bag of 100 lbs., $4.85.

BLOOD. 80 per cent Protein. 2 lbs., 25c; 25 lbs., $1.75; 50 lbs., $3.35; bag of 100 lbs., $6.40.

GRANULATED BONE. Furnished in two sizes: fine and medium. 4 lbs., 25c; 25 lbs., $1.30; 50 lbs., $2.40; bag of 100 lbs., $4.50.

GRANULATED BONE MEAL, for Poultry and Hogs. 4 lbs., 25c; 25 lbs., $1.30; 50 lbs., $2.40; bag of 100 lbs., $4.50.

CHARCOAL. Furnished in four sizes: fine, chick, medium and coarse. 5 lbs., 25c; 25 lbs., 50c; 50 lbs., $1.25.

CRUSHED OYSTER SHELLS. Furnished in two sizes: fine for chicks, medium for pigeons, coarse for poultry. 5 lbs., 15c; 25 lbs., 50c; 50 lbs., 80c; bag of 100 lbs., $1.25.

MICA CRYSTAL GRIT. Furnished in three sizes: fine for chicks, medium for pigeons, coarse for poultry. 5 lbs., 15c; 25 lbs., 50c; 50 lbs., 80c; bag of 100 lbs., $1.20.

SPRATT’S CHICK MEAL. 2 lbs., 30c; 25 lbs., $3.40; 50 lbs., $6.65; bag of 100 lbs., $13.00.

SPRATT’S POULTRY MEAL. 2 lbs., 30c; 25 lbs., $3.40; 50 lbs., $6.65; bag of 100 lbs., $13.00.

SPRATT’S TURKEY MEAL, GAME MEAL AND PHEASANT MEAL. 2 lbs., 30c; 25 lbs., $3.40; 50 lbs., $6.65; bag of 100 lbs., $13.00.
NEWTOWN GIANT COLONY BROODERS

"Newtown" Colony Brooders were the first coal burning, self-feeding, self-regulating colony brooders made. They have proven satisfactory in every State and abroad. Made in three sizes to meet general requirements.

Actual photograph showing absolute Chick comfort under "Newtown" Coal-burning Colony Brooder.

The Chicks are happy and contented, because they have plenty of pure, fresh air.

Note the wide circle formed by the Chicks—just where the heat is distributed by the "Newtown's" specially constructed Heat Radiator and cone-shaped Deflector.

There is no crowding of Chicks around the "Newtown" and they get the temperature best suited to their individual needs by moving toward or away from the stove.

It is unnecessary to raise or swing this conical Deflector around when attending the Brooder and the Chicks are never disturbed.

No. 7. Capacity, 250 chicks or less ........................................... $25.00.
No. 11. Capacity, 500 chicks or less ........................................... $32.50.
No. 12. Capacity, 1200 chicks or less .......................................... $40.00.

ROYAL THERMIC FOUNTAIN

In cold weather it keeps the water at the right temperature. Warm water in the winter means more eggs at the higher prices. No chipping of ice in disagreeable weather when our fountain is used. In summer weather it insures good, clean, cool water at all times for the poultry. Easy to fill and clean. Inserted drinking pocket keeps dirt and litter out.

Made in Three Sizes: No. 2. 2-gal., each, $3.00; No. 3. 3-gal., each, $4.00; No. 5. 5-gal., each, $5.00.

ADJUSTABLE DRY MASH FEEDER

The Adjustable is an ideal mammoth baby chick feeder. It will keep plenty of clean, sweet feed within easy reach of the tiniest chicks without them wasting or getting into it. We say "ONE FEEDER DOES THE WORK OF THREE" because it is just as practical for the growing flock and matured fowls as for the baby chicks feeding them without wasting or clogging. It thus combines the three ordinary essential feeders in one and assures you of a feeder your chicks will never outgrow. A handy quick adjustment makes this possible. It is also labor-saving, for one filling lasts 200 to 275 chicks approximately one week.

It is made of heavy galvanized iron and has adjustable steel legs. It feeds from both sides—has five feet of feeding space—is weather-proof.

No. 35—Capacity, 1 bushel, each, $8.50.

The J. M. McCullough's Sons Co., Seedsmen

R. S. McCULLOUGH, President CHAS. R. MOORE, Vice-President

The Leading and Oldest Established Seed House in the Middle States

Trade Marks registered, McCullough's Seeds, XXXX, Buckeye, Suburban Lawn Grass, Central Park Lawn Grass

ILLUSTRATED CATALOG FREE

Phone Main 4598 316 WALNUT STREET 316 CINCINNATI

Ohio

Opposite Walnut Street Entrance Dixie Terminal Building