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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. Care must be taken not to press the earth too firmly around and over the bulbs. After planting, rake the bed or border smooth, and after the ground has frozen tolerably hard in early Winter, cover with a few inches of dry litter, leaves, evergreen boughs or coarse manure.

For the culture of Hyacinths in pots, prepare the above compost, adding, if possible, a quantity of leaf mould. 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 seven-inch for three bulbs. Set the bulbs down in the soil and cover them; do not press them in by 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, 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 room; then, to promote the growth of the roots, after which expose them to the light and air as much as possible: avoid placing them near a stove. The water should be changed as it becomes impure; draw the roots entirely out of the glasses, rinse off the fibers 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)

It is supposed by many that the best Hyacinths are those which produce double flowers. This is by no means correct, there being many more of the single varieties producing fine, free and brilliant spikes of bloom, and they succeed better in glasses than the double.

Prices per dozen and single bulb include postage

We offer the following named varieties at the uniform price of each 15c; per dozen $1.50; per 100 $10.00.

Single Pure and Tinted White (Cont’d)

Single Pure and Tinted White

ETNA, brilliant pink, large spike and flower, late flowering.
ETNALD, brilliant carmine, very early.
GENERAL DE WET, light pink, large spike, good flower.
GENERAL BELLISSIERE, deep crimson, fine truss, early.
GERTRUDE, deep rose, fine compact spike.
GIGANTEA, delicate pink, large bells.
LADY DEBBY, bright rose, large spike and flower, excellent for forcing or pot culture, large bulb.
LA VICTOIRE, brilliant dark pink, very large spike; one of the best.
MARCONI, light pink, large spike and flower; extra fine.
MARIE CATHARINA, deep red, large spike.
MORENO, waxy pink; large truss and bells, extra fine variety.
QUEEN OF PINKS, brilliant pink; large flower and spike; a great acquisition—One of the best.
ROBY STEGER, bright crimson, a fine compact spike.
ROI DES BELGES, bright scarlet, fine truss.

Single Red, Rose and Pink

ALBERTINE, pure white, early, good forcing variety.
ARENTE ARENDSEN, pure white, large spike and flowers, very early; splendid for forcing.
BLANCHEUR, 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 force.
GENERAL VETTER, bluish white, very large spike, splendid early forcing.
GRANDE BLANCHE, bluish white, large spike and flowers, early.
GRANDE MARIE, double pink, extra fine, very early.
GRAND MARINIERE, large red, early, good force.
GRAND MAITRE, deep pink, extra fine, very early.
GRANDE MOLLI, double pink, very early.
LA COURONNE, red, double, very early forcing.
LA MUSE, deep rose, early, double.
LA VICTOIRE, brilliant dark pink, very large spike; one of the best.
MARCONI, light pink, large spike and flower; extra fine.
MARIE CATHARINA, deep red, large spike.
MORENO, waxy pink; large truss and bells, extra fine variety.
QUEEN OF PINKS, brilliant pink; large flower and spike; a great acquisition—One of the best.
ROBY STEGER, bright crimson, a fine compact spike.
ROI DES BELGES, bright scarlet, fine truss.

Single Blue, Lavender and Purple

CAPTAIN BOYTON, bright lavender blue, with silvery shading; handsome long spike.
ENCH TRESS, delicate porcelain blue, large compact truss.
GRAND LILAS, silvery blue, large compact truss.
GRAND MAITRE, deep porcelain blue, large truss.
KING OF BLUES, dark rich blue, splendid spike.
LA PEYROUSE, light blue, large bells.
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.
SCHOTEL, light blue, long perfect truss; early, good force.

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 First-Size Named Double Hyacinths

While double-flowering Hyacinths do not, as a rule, produce as fine spikes as the single sorts offered on page 1, yet they are exceedingly handsome and deserve extensive cultivation. The varieties listed below are those which we have found by actual tests to be the most satisfactory.

We offer the following named varieties at the uniform price of . . . . . . Each, 15c; per dozen, $1.50; per 100, $10.00.

- **Double Red and Rose**
  - Chestnut Flower, bright rose, large flower.
  - Grootvorst, pink, large truss and bells.
  - Noble par Merite, rose, large bells, splendid truss.
  - President Roosevelt, bright rose, fine spike.
  - Prince of Orange, blush rose, fine spike, semi-double.

- **Double White**
  - Bouquet Royal, pure white, fine spike.
  - Edison, blush white, fine spike, early.
  - La Tour d'Auvergne, pure white, very early.
  - La Virginite, blush white, dwarf, large bells.
  - Queen of Whites, pure white, large truss, fine flower.

- **Double Blue**
  - Bloksberg, porcelain striped, large truss.
  - Crown Prince of Sweden, violet blue.
  - Carrick, blue blue, with bright blue stripe.
  - Van Speyk, porcelain blue, a grand flower.

- **Double Yellow**
  - Goethe, clear, pale yellow, large bells, fine truss.
  - Jamine Supreme, deep yellow, tinted with salmon.
  - Sir Rowland Hill, pure yellow, large spike.
  - Sunflower, yellow, tinted salmon.

Above named Hyacinths, Each, 15c; per dozen, $1.50; per 100, $10.00.

Prices Per Dozen and Single Bulb Include Postage.

Persons purchasing Hyacinths at our counters, or who wish to pay their own express charges may deduct 10c per dozen from these prices when bought by the dozen.

Select Second-Size Named Single Hyacinths

These are smaller than our Extra Selected first-size bulbs offered on Page 1, but are fine flowering stock, and admirably adapted for pot culture and high-grade bedding where distinctive shades of color are desired.

We can furnish them in the following selected varieties at the uniform price of . . . . . . Each 10c; per doz., $1.00; per 100 $7.00.

- **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.
  - Gigantea, delicate pink, large bells.
  - Moreno, waxy pink, large truss and bells, extra fine variety.
  - 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.
  - Arentine Arendsen, pure white, large spike, good forcing.
  - Corregio, pure white, large truss, good forcing.
  - Grande Blanche, blush white, large spike and flowers, early.
  - Grandeur a Merveille, rose-white, large truss.
  - 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 Blues, dark, rich blue, splendid spike.
  - La Feyrouse, light blue, large bells.
  - Marie, dark purple, very large spike.
  - Queen of Blues, beautiful azure blue, large bells and handsome truss; late.
  - Regulus, light blue, good forcing and bedder.

- **Single Yellow**
  - King of Yellows, pure yellow, large bell and spike.
  - Yellow Hammer, golden yellow, large spike.

The above named Hyacinths, each 10c; per doz., $1.00; per 100, $7.00.

Prices per dozen and single bulb include postage.

Persons purchasing Hyacinths at our counters, or who wish to pay their own express charges may deduct 10c per dozen from these prices when bought by the dozen.
Choice Un-Named 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.

Prices Per Dozen and Single Bulb Include Postage.

We offer the following un-named varieties at the uniform price of........ Each, 7c; per doz., 76c; per 100, $5.00.

**Single Varieties**

| Red, mixed shades.   | Dark Blue and Purple. |
| Rose.                | Light Blue.           |
| Pure White.          | Yellow.               |
| White, tinted.       | MIXED, all colors.    |

**Double Varieties**

| Red, mixed shades.   | Dark Blue and Purple. |
| Rose.                | Light Blue.           |
| Pure White.          | Yellow.               |
| White, tinted.       | MIXED, all colors.    |

**Hyacinths--Miniature or Dutch Roman**

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......................... Each, 5c; per dozen, 55c; per 100, $3.50.

**White Roman Hyacinths--Exclusively for Forcing**

These are extensively used by florists for forcing, which may be done at a temperature of 60 degrees. The white variety flowers two to three weeks in advance of the Holland Hyacinths. The flowers are pure white and very fragrant, and each bulb will throw up from three to four spikes. For forcing, three or four bulbs are generally planted in a suitable pot, in good soil as recommended for other varieties. The pots must be kept in a cool and dark place until filled with roots, when the flower spikes can be rapidly developed by exposure to light and moderate heat.

Each, 10c; per dozen, $1.00; per 100, $7.50.

**Round Bed of Named Single Hyacinths.**

**Second-Size**

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

**Combination No. 1.** (100 Hyacinths—select Second Size Named). 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 $7.00, not prepaid.

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

Price $5.00, not prepaid.

**Square Bed of Single Hyacinths**

This illustration represents a bed 6 feet square, requiring a total of 169 bulbs planted 6 inches apart.

**Pink and Blue Combination** requires 85 Pink and 84 Blue Hyacinths.

**Crimson and White Combination** requires 85 Crimson and 84 White Hyacinths.

Price for either Combination—Our Select Second Size, Named, Hyacinths, $11.50, not prepaid.

**"Suburban Combination"** consists of 169 Choice Un-named Hyacinths, mixed shades. Price $3.00, not prepaid.

**McCULLOUGH'S COLLECTIONS OF NAMED HYACINTHS**

Special Selection for Growing in Water.

This selection is made up of sorts which are especially adapted for the purpose. For cultural notes see page 1. 12 distinct named single varieties, our selection...... $1.50

**Special Selection for Growing in Pots.**

A selection of distinct sorts best adapted for the purpose. For cultural notes see page 1. 12 distinct named double varieties, our selection...... $1.50

Prices per dozen and single bulb include postage.

Persons purchasing Hyacinths at our counters, or who wish to pay their own express charges may deduct 10c per dozen from these prices when bought by the dozen.
Tulips

ARE one of the most ornamental flowers grown; will bloom for many years if properly treated. They thrive
best in rich, well-drained soil, and will do well in the
Hyacinths. Their brilliant colors impart a rich and
beautiful appearance to the lawn in early spring. They can
be grown in the flower borders, and will flower with
Hyacinths under the same treatment. For outdoor planting
October and November are the most favorable months.
May have the ground well drained; plant from three to four inches deep
and about six inches apart.

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

**Prices Per Dozen and Single Bulb Include Postage.**

### Single Early Tulips

<table>
<thead>
<tr>
<th>Variety</th>
<th>Per Doz.</th>
<th>Per Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTUS</td>
<td>6c;</td>
<td>3.75</td>
</tr>
<tr>
<td>COTTAGE MAIDEN</td>
<td>6c;</td>
<td>3.75</td>
</tr>
<tr>
<td>CRIMSON BRILLIANT</td>
<td>6c;</td>
<td>3.75</td>
</tr>
<tr>
<td>DUCAT</td>
<td>6c;</td>
<td>3.75</td>
</tr>
<tr>
<td>KING OF YELLOWS</td>
<td>6c;</td>
<td>3.75</td>
</tr>
<tr>
<td>POTTEBAKER'S DIAMOND</td>
<td>6c;</td>
<td>3.75</td>
</tr>
<tr>
<td>PRINCESS MARA</td>
<td>6c;</td>
<td>3.75</td>
</tr>
<tr>
<td>PRINCESS OF AUSTRIA</td>
<td>6c;</td>
<td>3.75</td>
</tr>
<tr>
<td>PROFESSOR</td>
<td>6c;</td>
<td>3.75</td>
</tr>
<tr>
<td>THOMAS MOORE</td>
<td>6c;</td>
<td>3.75</td>
</tr>
<tr>
<td>VERMILION BRILLIANT</td>
<td>6c;</td>
<td>3.75</td>
</tr>
<tr>
<td>WHITE PRINCE</td>
<td>6c;</td>
<td>3.75</td>
</tr>
</tbody>
</table>

**May Flowering Single Tulips**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Per Doz.</th>
<th>Per Pkt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>INGLESCOMBE PINK</td>
<td>5c;</td>
<td>3.50</td>
</tr>
<tr>
<td>INGLESCOMBE YELLOW</td>
<td>5c;</td>
<td>3.50</td>
</tr>
<tr>
<td>ISABELLA</td>
<td>5c;</td>
<td>3.50</td>
</tr>
<tr>
<td>LA CANDEUR</td>
<td>5c;</td>
<td>3.50</td>
</tr>
<tr>
<td>LA MERVILLE</td>
<td>5c;</td>
<td>3.50</td>
</tr>
<tr>
<td>PARISIAN YELLOW</td>
<td>5c;</td>
<td>3.50</td>
</tr>
<tr>
<td>PICOTEE</td>
<td>5c;</td>
<td>3.50</td>
</tr>
<tr>
<td>SWEET NANCY</td>
<td>5c;</td>
<td>3.50</td>
</tr>
</tbody>
</table>

**Prices per dozen and single bulb include postage**

Persons purchasing Tulips at our counters, or who wish to pay their own express charges, may deduct 5c per
dozen, when bought by the dozen. **Prices per 100 are not prepaid.**
Darwin Tulips

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.

<table>
<thead>
<tr>
<th>Each</th>
<th>Per Doz.</th>
<th>Per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASA GRAY. Dark carmine, large, finely formed flower.</td>
<td>$0.06</td>
<td>$0.50</td>
</tr>
<tr>
<td>BARONNE DE LA TONNAIÉ (2½ inches). Bright, pink margined flower—base white, tinged blue. A long and beautiful flower.</td>
<td>$0.06</td>
<td>$0.50</td>
</tr>
<tr>
<td>CLARA BUTT. A large flower of remarkable beauty; color soft salmon pink, shaded rose.</td>
<td>$0.06</td>
<td>$0.50</td>
</tr>
<tr>
<td>DREAM. Beautiful delicate lilac—large globular flower.</td>
<td>$0.06</td>
<td>$0.50</td>
</tr>
<tr>
<td>FARNCOMBE SANDERS. Immense flower of the most brilliant scarlet, one of the best and showiest.</td>
<td>$0.06</td>
<td>$0.50</td>
</tr>
<tr>
<td>GLOW. Brilliant, glowing vermilion; blue-black base, zoned white.</td>
<td>$0.06</td>
<td>$0.50</td>
</tr>
<tr>
<td>GRETCHEN. (Margaret). A lovely large flower of globular form; outside soft blush; inside blush rose.</td>
<td>$0.06</td>
<td>$0.50</td>
</tr>
<tr>
<td>MADAME KEBLAGE, soft blue rose, with a broad margin of blush pink; large flower on a very tall stem; good for forcing.</td>
<td>$0.06</td>
<td>$0.50</td>
</tr>
<tr>
<td>PAINTED LADY. Milk white, flushed heliotrope—a good bedding and forcing variety.</td>
<td>$0.06</td>
<td>$0.50</td>
</tr>
<tr>
<td>PRIDE OF HAARLEM. Magnificently formed flower of immense size; color brilliant, deep salmon rose, shaded with scarlet. Electric blue base.</td>
<td>$0.06</td>
<td>$0.50</td>
</tr>
<tr>
<td>THE SULTAN. Rich, glossy black maroon; one of the best dark varieties.</td>
<td>$0.06</td>
<td>$0.50</td>
</tr>
<tr>
<td>WHITE QUEEN. A large globular flower of pure white, faintly flushed with delicate blush.</td>
<td>$0.06</td>
<td>$0.50</td>
</tr>
<tr>
<td>FINEST MIXED. Great variety of all colors and shades.</td>
<td>$0.05</td>
<td>$0.45</td>
</tr>
</tbody>
</table>

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 group of Tulip form. 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. Bronzy buff, shaded orange, large peculiar shaped flower. Each, 8c; per dozen, 85c; per 100, $5.00.

BRONZE QUEEN. (Chloe). Delicate shade of brown, inside tinted golden bronze, beautiful tall stemmed flower of great substance, good forcing.

CARDINAL MANING. (Goliath). Dark wine red, flushed rosy bronze, very peculiar color, large flower.

DOM PEDRO. A beautiful shade of coffee brown, shaded maroon, distinct attractive flower. Each, 8c; per dozen, $1.65; per 100, $12.00.

EDWIN PARFIFT. Bright violet, a very remarkable, beautiful color, large substantial flower.

DOM PEDRO. Deep orange-red, shaded mahogany, large globular flower, good forcing.

LOUIS XIV. Rich dark purple, shaded steel blue, heavily flushed, base green, edged golden brown, enormous size and stately bearing.

MARIE LOUISE. Rose, flushed orange salmon, a pleasing combination of colors, very attractive.

PANAMA. Deep orange-red, shaded mahogany, large globular flower, good forcing.

SALOMON. Rose, flushed white, white base and a large magnificent Tulip.

VULGAR KING. (Dreadnaught). Velvety black, enormous flower on strong stem, very showy.

YELLOW PERFECTION. Light bronzy yellow, edged golden yellow, very handsome flower.

Parrot or Dragon Tulips

VERY large flowers of singular and picturesque forms and brilliant colors; very beautiful and interesting. The petals are curiously fringed or cut. They form showy flower beds or borders, are of endless variety of form and color, stand a long time when cut, and should be grown in every flower garden in quantity.

CONSTANTINOPLE. Large red flowers, tipped orange.

CRAMOISIE BRILLIANT. Deep crimson, with large, black, star-shaped center, extra fine.

LUTEA MAJOR. Large bright yellow, feathered with red and green. Each, 8c; per dozen, 45c; per 100, $2.00.

PERFECTA. Striped yellow and scarlet.

FINEST MIXED COLORS.

Each, 8c; per dozen, 40c; per 100, $2.50.

Home Collections of Double Tulips

Our "Home Collection No. 1" consists of fifty double-flowering Tulips carefully selected from named varieties, and will produce handsome large double flowers. Price, $1.50; not prepaid.

"Home Collection No. 2" consists of twenty-five double and twenty-five single-flowering Tulips selected from named varieties. Price, $1.50; not prepaid.

MCCULLOUGH'S "NORWOOD" collection of DOUBLE TULIPS consists of 200 superfine, mixed double Tulips. Price, $5.00; not prepaid.

Prices per dozen and single bulb include postage.

If you want Flowers in your House this winter or in your garden next spring, you must plant Bulbs this fall.
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 4.

**Boule de Neige**, b8, pure white, large flower; extra fine. Each, 6c; per dozen, 50c; per 100, $3.50.

**Couronne d'Or**, b8, golden-yellow, flushed orange, large handsome flower; excellent for growing in pots or beds. Each, 6c; per dozen, 60c; per 100, $4.00.

**Duke of York**, b8, carmine, edged white; good for bedding and late forcing. Each, 6c; per dozen, 60c; per 100, $4.00.

**Gloria Solis**, a7, deep crimson, with broad golden margin; very large. Each, 6c; per dozen, 65c; per 100, $4.50.

**Imperator Rubrorum**, a9, rich crimson-scarlet; extra fine for forcing. Each, 6c; per dozen, 65c; per 100, $4.50.

**La Candeur**, b8, pure white, extensively grown for bedding. Each, 6c; per dozen, 50c; per 100, $3.50.

**Muirillo**, b8, blush-white, shaded rose, large flowers; fine for forcing and bedding. Each, 6c; per dozen, 45c; per 100, $3.00.

**Rubra Maxima**, a9, dark, crimson-scarlet; splendid early forcing and good bedding. Each, 6c; per dozen, 50c; per 100, $3.50.

**Salvator Rosa**, a8, deep rose flushed with blush; a fine large double flower, suitable for early forcing or bedding. Each, 6c; per dozen, 60c; per 100, $4.00.

**Schoonoord**, b10, the finest double white; a sport from Muirillo. Each, 6c; per dozen, 50c; per 100, $3.50.

**Tea Rose**, b10, saffron-yellow, changing to rosy-apricot; good forer for growing in pots and pans. Each, 6c; per dozen, 65c; per 100, $4.50.

**Tour esol**, a7, scarlet, margined yellow; one of the best for forcing. Each, 6c; per dozen, 65c; per 100, $4.50.

**Choice Mixed**, from named varieties, extra fine. Each, 5c; per dozen, 40c; per 100, $2.50.

**Fine Mixed**, including all colors and shades. Each, 4c; per dozen, 35c; per 100, $2.00.

Persons purchasing Tulips at our counters, or who wish to pay their own express charges, may deduct 6c per dozen when bought by the dozen. Prices per 100 are not prepaid.

Bed of Single Early Tulips

This illustration represents a bed eighteen feet in circumference or six feet across, requiring a total of 200 bulbs planted five inches apart.

**Yellow and Scarlet Combination**—100 Yellow and 100 Scarlet Tulips.

**White, Crimson, Yellow and Pink Combination**—50 White, 50 Crimson, 50 Yellow, 50 Rose Tinted Tulips.

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 $6.00; not prepaid.
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, entitle 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.

The Polyanthus varieties for flowering in pots in the house are very satisfactory. They bloom about the first of February in dense clusters, two or three flower stalks to each bulb, while the earliest of all, the Paper White, will come into bloom as early as December.

A good, natural temperature suits them best. Pot in the fall, let them root for two or three months in the dark, then remove to the conservatory or sitting room, and water as often as the soil requires moisture.

Single Narcissus

**BAERI CONSPICUA.** 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.

Each, 5c; per dozen, 40c; per 100, $2.75.

**BICOLOR EMPRESS.** Perianth white, trumpet rich yellow, serrated at edges; a magnificent large variety, bold and erect and of rare beauty for cutting.

Each, 6c; per dozen, 60c; per 100, $4.00.

**BICOLOR GRANDIS.** Flowers large with broad white perianth, the petals of which are wide and over-lapping; trumpet yellow, beautifully imbricated; a flower of great substance and fine for cutting; late flowering and valuable for succession.

Each, 6c; per dozen, 60c; per 100, $4.00.

**BICOLOR VICTORIA.** Perianth creamy white, trumpet rich yellow, delicately perfumed; a strong grower with massive flowers which stand boldly erect.

Each, 6c; per dozen, 60c; per 100, $4.00.

**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.

Each, 6c; per dozen, 60c; per 100, $4.00.

**GOLDEN SPUR.** Perianth deep yellow, trumpet golden yellow; a charming, highly perfumed flower, flowering early and free.

Each, 6c; per dozen, 60c; per 100, $4.00.

**MRS. LANTRY.** Pure white perianth, broad and over-lapping; cup pale yellow, changing to white with age; free flowering variety.

Each, 5c; per dozen, 60c; per 100, $3.25.

**POETICUS.** (Pissard’s Eye or Poet’s). Flowers pure white with distinct red crown; sweet scented.

Each, 6c; per dozen, 75c; per 100, $2.00.

**POETICUS KING EDWARD VII.** A magnificent, large flowering early variety with a broad, round white flower with yellow cup edged deep red.

Each, 6c; per dozen, 60c; per 100, $4.00.

**PRINCES.** Large flowers with light yellow perianth and deep yellow trumpet.

Each, 6c; per dozen, 60c; per 100, $4.00.

**SIR WATKINS.** Perianth sulphur yellow, cup slightly deeper in color and tinged with orange; flowers very large and free flowering.

Each, 6c; per dozen, 60c; per 100, $4.00.

**STELLA.** Perianth white and slightly twisted, yellow crown; flowers large, free blooming and one of the best for naturalizing.

Each, 6c; per dozen, 60c; per 100, $4.00.

**TRUMPET MAJOR.** Flowers large and of uniform deep golden yellow; comes into bloom early and is excellent for forcing, bedding or naturalizing.

Each, 6c; per dozen, 60c; per 100, $4.00.

**VON SION SINGLE.** Large flowers of rich yellow color; an excellent sort for forcing, bedding or naturalizing.

Each, 6c; per dozen, 60c; per 100, $4.00.

Prices per dozen and single bulb include postage.

Double Narcissus

**ALBA PLENA ODORATA.** The double Poeticus; flowers pure white, large and very fragrant, one of the finest for all purposes.

Each, 5c; per dozen, 45c; per 100, $3.00.

**INCOMPARABLE.** Pale yellow and orange mixed, full double flower, large, varying somewhat in shade like the single variety, from pale citron yellow to deep orange sir.

Each, 6c; per dozen, 60c; per 100, $4.00.

**ORANGE PHOENIX.** Large double white, with orange segments in the center.

Each, 6c; per dozen, 60c; per 100, $4.00.

**SILVER PHOENIX.** Largest of the Double Narcissus; pale creamy white with sulphur, delicate fragrance; fine for cutting or for decorating purposes.

Each, 6c; per dozen, 60c; per 100, $4.00.

**VON SION.** The famous “Old Double Yellow Daffodil,” rich, golden yellow perianth and trumpet; one of the best forcing sorts.

Each, 6c; per dozen, 60c; per 100, $4.00.

**VON SION. SELECTED EXTRA LARGE.** True Northern grown Dutch Bulbs.

Each, 8c; per dozen, 60c; per 100, $6.00.

Prices Per Dozen and Single Bulb Include Postage.
Narcissus Poetaz Hybrids

These new hardy cluster-flowered hybrids between Poetazus and Polyanthus are handsome, strong and tall growers, some of the varieties attaining a height of 2 feet. The flowers are more like Poetazus in character, but are borne in clusters like the Polyanthus. Planted in permanent quarters they form large, luxuriant clumps.

ALSACE, very early flowering, color—pure white with yellow cup faintly edged red on opening. Each, 7c; per dozen, 65c; per 100, $5.00.

ELVIRA, pure white with yellow eye, large flower of good substance, 3 to 4 flowers on a stem; strong grower. Each, 7c; per dozen, 65c; per 100, $5.00.

IDEAL, pure white, with dark orange eye, large truss of 6 to 7 flowers; beautiful color. Each, 7c; per dozen, 65c; per 100, $5.00.

IRENE, sulphur yellow, changing to light yellow, orange eye; large broad truss bearing 8 to 9 flowers. Each, 7c; per dozen, 65c; per 100, $5.00.

TRIUMPH, perianth white, with yellow eye, the largest flowers of this section, 3 to 4 flowers on a stem. Each, 7c; per dozen, 65c; per 100, $5.00.

Polyanthus Narcissus

Beautiful, free flowering, deliciously scented flowers of the earliest 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. If planted in open borders, they must be well protected by a covering of litter.

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 paper 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. Each, 6c; per dozen, 60c; per 100, $3.50.

Mammoth Bulbs, of special value for growing in water. Each, 7c; per dozen, 65c; per 100, $5.00.

Grand Monarque, pure white flower of largest size, with yellow cup; borne on large heads. Each, 8c; per dozen, 80c; per 100, $5.00.

Grand Soliel D'Or, rich yellow flower with orange cup. Each, 10c; per dozen, $1.00; per 100, $7.50.

Gloriosa, white with orange cup. Each, 8c; per dozen, 80c; per 100, $5.00.

Mont Cenis. A splendid large flowered variety having broad round, overlapping petals of white, and large rich yellow cup; of compact growth, carrying large clusters of flowers. Each, 8c; per dozen, 80c; per 100, $5.00.

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 blooms commence planting early in October; 6 or 8 bulbs in a pot (the named varieties are best for this purpose), using rich soil, lining about an inch deep. Place the pots in a cold frame or on a surface of ashes, cover the top one inch deep with soil until 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.

Per Doz. Per 100

<table>
<thead>
<tr>
<th>Variety</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Albion</td>
<td>$0.25</td>
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<tr>
<td>Baron Brunow</td>
<td>$1.50</td>
</tr>
<tr>
<td>King of Blues</td>
<td>$1.50</td>
</tr>
<tr>
<td>King of Whites</td>
<td>$1.50</td>
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<tr>
<td>La Majesteuse</td>
<td>$1.50</td>
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<tr>
<td>Mammoth White</td>
<td>$1.50</td>
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<tr>
<td>Mammoth Yellow</td>
<td>$2.00</td>
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<tr>
<td>Mont Blanc</td>
<td>$1.50</td>
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<tr>
<td>Non Plus Ultra</td>
<td>$1.50</td>
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<tr>
<td>Prince Albert</td>
<td>$1.50</td>
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<tr>
<td>Sir Walter Scott</td>
<td>$1.50</td>
</tr>
<tr>
<td>Mixed Colors</td>
<td>$2.00</td>
</tr>
</tbody>
</table>

Prices on Crocus include postage. Customers may deduct 3c per doz.; 10c per 100; if sent by express at their expense.
Jonquils

EXCELLENT for early blooming. Charming, large, golden and deliciously odoriferous flowers, freely produced, of the finest effect either in garden, greenhouse or conservatory. May be successfully grown by everyone.

Put six in a five-inch pot and treat same as Hyacinths.

**CATALOGUE**

<table>
<thead>
<tr>
<th>Per</th>
<th>Per warm</th>
<th>Limited</th>
<th>Per</th>
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<tbody>
<tr>
<td>.05</td>
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<td>.40</td>
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</table>

**CAMPANULA RUGOSULUS** DOUBLE-FLOWERING, in a double form of the large flowering Campanella; a novelty of great merit.

Each

<table>
<thead>
<tr>
<th>Per Doz.</th>
<th>Per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>.05</td>
<td>.40</td>
</tr>
</tbody>
</table>

**DOUBLE**, fine golden yellow, very fragrant

.05 .50 2.50

**CAMPANELLA**, single, golden yellow, very large and fragrant

.05 .50 2.50

**ODORUS RUGOSULUS**, large flowering, deep yellow, enlivened flowers, exceedingly fragrant and very desirable for forcing or open garden

.05 .40 2.75

**SINGLE**, sweet scented, deep yellow

.05 .40 2.50

Chinese Sacred Lily or Oriental Narcissus

**Chinese Sacred Lily**

It is not absolutely necessary to put the bulb in the dark, but, if shaded until the leaves begin to grow, better results may be obtained. By making a small incision across the top of the bulb, in two or three places, about three-quarters of an inch from the center it will cause a fresh lot of leaves and flower stalks to start from these points. This must be done with care, so as not to injure the bulb—simply cut the skin. For a window ornament they are unexcelled, and lead to an interior a cheerful aspect when all outside is frostbound and dreary. The effect is heightened when several are put in a large dish. They can be planted at different times, and have a succession of flowers all winter. Flowers often double and single from the same bulb.

**SELECT BULBS**

Each, 15c; (if by mail, 20c each); by express not prepaid, per dozen. $1.60.

**MAMMOTH BULBS**

Each, 20c; (if by mail 25c each); by express not prepaid, per dozen. $2.25.

Original baskets containing 30 bulbs, $4.50.

**LILY BOWLS** For Chinese Sacred Lilies and Polyanthus Narcissus: Imitation cut glass, to hold one bulb, each, 25c; for 3 bulbs, 30c.

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

**Freseia**

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 readily, 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 fine condition when kept in water, for two weeks; the flowers are pure white, with a yellow blotched throat, and are exquisitely fragrant.

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

**LARGE BULBS**

Per dozen, 20c; per 100, $1.75.

**MAMMOTH BULBS**

Per dozen, 40c; per 100, $3.50.

**JONSTON BULBS**

Per dozen, 60c; per 100, $5.50.

**RAINBOW.** We can now supply this long waited for, beautifully colored Freesia. Limited quantity in following colors:

- Lavender and Pink, Large Bulbs.
- Finest mixed, all colors.

Per dozen, 60c; per 100, $4.00.

Per dozen, 60c; per 100, $3.50.

**Iris Spanish** (Iris Hispanica)

AMERICAN GROWN

THESE have appropriately been called "the Orchids of the Hardy Flower Garden." They are of the simplest culture, succeeding in almost any soil or position. The bulbs should be planted 2 to 3 inches deep and 6 inches apart, early enough in the autumn to allow them to make some growth before hard frost comes. For best effect they should be planted in beds or groups of 25 to 100 or more bulbs—the larger the number the finer the effect. They flower in June, and the bulbs may either be lifted or allowed to remain for another season.

Named varieties in following colors:
- Dark Blue, Light Blue, White, Bronze and Yellow, White and Yellow.

Each, 8c; per dozen, 76c; per 100, $5.60.

Lily of the Valley

**PLANT** in a shady place where they will not be disturbed for several years.

Clumps. For out of door planting.

Each, 30c; per dozen, $3.50.

Can only be sent by express or freight at purchaser's expense.

**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, lilies may be had in bloom from June till 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—a 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 for 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.

Lilium Auratum

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 centre with a golden-yellow band; 3 to 5 feet. Each. $2.25; per doz., $20.00.

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.

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 delicately fragrant.

HENRY, a splendid lily from the mountains of China. It grows 4 to 5 feet high, producing large panicles of orange-yellow flowers, banded with green. Each. 40c; per doz., $5.00.

LONGIFLORUM FORMOSUM. The plants grow about 3 feet high and produce 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.

Lilium Longiflorum Giganteum

with pink, with a beautiful shade of canary-yellow at the centre. The flowers are trumpet-shaped, slightly suffused with crimson. Each. 40c; per doz., $5.00.

Lilium Regale

REGALE (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 crimson. Each. 75c; per doz., $7.50.

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. Each. 75c; per doz., $7.50.

SPECIOSUM. RUBRUM or ROSEUM. White, suffused and spotted with crimson. Each. 75c; per doz., $7.50.

TIGRINUM. "Tiger Lily." Orange salmon, spotted with black. Each. 35c; per doz., $3.50.

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.
Calla Lilies (Richardia)

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 throughout 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.

Monster Bulbs, postpaid.
Each, 30c; per dozen, $3.00.

Extra Large Bulbs, postpaid.
Each, 20c; per dozen, $2.00.

Large Bulbs, postpaid.
3 Each, 15c; per dozen, $1.50.

Burbank's Golden Hybrid. 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 rich golden-yellow color; the foliage is dark green, with a number of creamy-white spots, which add much to its beauty.
Each, 50c; per dozen, $5.00.

Godfrey or Everblooming Calla.
Short, sturdy growth; very free flowering; medium sized white flowers; excellent for cutting.
Each, 20c; per dozen, $2.00.

Hyacinth Glasses

Hyacinth Glasses and Lily Bowls CAN NOT be sent by mail

BELGIAN or TALL SHAPE—Blue, Clarie, Crystal and Green Colors ........................................... Each, 35c; per dozen, $3.50.

LILY BOWLS—For Chinese Sacred Lilies and Polyantus Narcissus. Imitation Cut Glass—To hold 3 Bulbs.
Each, 30c; for 3 Bulbs, each, 35c.

MATT GREEN LILY BOWLS—To hold 2 bulbs, each, 35c; for 3 bulbs, 40c; 4 bulbs, 50c; 6 bulbs, 75c.

FEBBLES—For filling Lily Bowls, 10c per quart.

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, Gaillardias, Hollyhocks, Forget-me-nots, Daisies, Sweet Williams, etc., etc., the following season. The list also includes a choice selection of other Flower Seeds for autumn sowing, such as Cyclamens, Pansies, Primulas, etc.

Discount on Packet Flower Seeds.

For 25 Cents select 6 Five-cent, or 3 Ten-cent pkts. For 50 Cents select Packets to the amount of 65 Cents. For $1.00 select Packets to the amount of $2.65. For $2.00 select Packets to the amount of $4.00. FULL CATALOGUE—25 CENTS ON EACH PACKET. WE PAY THE POSTAGE.

BELLIS. (English Daisy). Half-hardy Perennials.
Longfellow. Large, double, dark pink. 10c pkt. Snowball. Double white flowers. 10c pkt. Giant Double Mixed. Extra fine mixture. 10c pkt.

CALCEOLARIA, Hybrida Grandiflora. Large flowers of fine form, rich colors, beautifully spotted and marbled; finest strain in cultivation. Greenhouse Perennial. 25c pkt.

CAMPANULA. (Canterbury Bells). Hardy Biennials.
Calycomthema. (Cup and Saucer Canterbury Bells.) Pink. Delicate rose-pink. 10c pkt. Blue. A fine clear shade. 10c pkt. White. Pure white. 10c pkt. Finest Mixed. All colors of the Cup and Saucer type. 10c pkt. Medium. (Single Canterbury Bells.) Single Mixed. All colors. 10c pkg. 25c pkt. Double Mixed. All the double-flowering medium varieties. 10c pkg. 40c pkg. 50c pkt.

CANDYTuFF. Hardy Annuals.
Giant Hyacinth Flowered. Pure white flowers, in a pyramid of bloom. 1/2 oz. 25c; 4 oz. 50c; 5 pkt.
Little Prince. Very large heads of pure white flowers; fine for borders and pots; 6 inches. 10c pkt.
Rose Cardinal. Bright carmine-rose. 10c pkt.
White Rocket. Pure white. 1/2 oz. 25c; 5 oz. 50c; 5 pkt.
Dwarf Hybrids Mixed. 1/2 oz. 25c; 5 oz. 50c; 5 pkt.
Mixed Colors. 1/2 oz. 75c; 1 oz. 25c; 5 oz. 50c.
Sempervirens. A white-blooming plant, coming in flower early in the spring, much used for cemeteries, rockeries, etc. 1 foot. Hardy Perennial. 5c pkt.

CARNATION. Half-hardy Perennials.
Indispensable both for greenhouse culture in winter and the garden in summer.
Earliest French Mixed. 1/2 oz. 50c; 10c pkg.
Marguerite. Is best for summer flowering. Finest mixed; excellent for cutting. 1/2 oz. 50c; 5c pkt.
FLOWER SEEDS—Continued

CINERARIA, Hybrida Grandiflora. Large flowering exotics, coming in the richest and most varied, showy and attractive colors. Greenhouse or Tender Annual. 10c pkt.

COREOPSIS, Lanceolata Grandiflora. Bright golden-yellow flowers with broad fringed petals on long stems. Excellent for cutting. Hardy Perennials. 1/2 oz., 25c; 1 oz. 50c pkt.


DELPHINIUM, (Hardy Perennial Larkspur). Hardy Perennials. Chinese Varieties, Mixed. Contain a great variety of shades, from pure white to golden-blue. 8c pkt.

Blatum (See Larkspur). Rich deep blue, free bloomer, 4 feet....5c pkt.

Flowers are of excellent quality, with broad fringed petals on long stems. Excellent for cutting. Hardy Perennials. 10c pkt.

Plumarius Fl. Pkts. (Double Hardy Garden Pinks). Double and semi-double varieties in beautiful colors. 10c pkt.

Plumarius Semperflorens. (Ever-blooming Hardy Garden Pinks). Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of colors. 10c pkt.

DIANTHUS, M. (see Pink). Finest Mixed. 10c pkt.

DIANTHUS BARBATUS. (see Pink). Finest Mixed. 10c pkt.

DIGITALIS (Foxglove). Hardy Biennials. A splendid strain: 3 to 5 feet. Finest Mixed. 10c pkt.

GAILLARDIA. Grandiflora. (Blanket Flower). The flowers are of enormous size and the colors the most varied; in flower for about three months. Hardy Perennials. 2 feet....8c pkt.

HIBISCUS (Marshmallow). Mallow Marvels. Immense flowers from 8 to 10 inches in diameter, in following colors: fiery-crimson, blood-red, shell-pink and white. Hardy Perennials. 1/2 oz. 10c pkt.

HOLLYHOCK. For planting among shrubbery or for massed background, or for other flowers, it is without an equal. Hardy Perennials. 10c pkt.

Charter’s Double Scarlet. 10c pkt.

Charter’s Double White. 10c pkt.

Charter’s Double Yellow. 10c pkt.

Charter’s Prize. Double Mixed. Unrivalled in richness and delicacy of coloring. 3 pkts., 25c; 10c pkt.

Ever-blooming. Double and semi-double flowers. Colors vary from white to blood-red and black. 10c pkt.

Mammoth Fringed Althee. Mammoth flowers; the colors range from the palest shell-pink to deep red. 6 to 7 feet. 3 pkts., 25c; 10c pkt.

LATHYRUS, (Everlasting, or Lady Pea). Free-flowering climbers; continually in bloom; fine for cutting. Hardy Perennials. Latifolia (Ecru-flowered). The finest white....10c pkt.

Pink Beauty. Rosy-pink. 10c pkt.

Mixed. All colors....3/4 oz., 10c; 3/4 oz., 40c; 5c pkt.

MIGNONETTE, (Rue). Half-hardy Annuals. Allen’s Defence. Enormous spikes, with large double florets of immense size; fragrant; excellent for forcing. 3/4 oz., 20c; 10c pkt.

Machet. Dwarf pyramidal growth, large spikes; fragrant, one of the best for forcing. 3/4 oz., 20c; 10c pkt.

Maiden of Honor or Trumpet (Painted-not). Half-hardy Perennials. 10c pkt.

Alpestris Victoria. Early flowering, of bushy habit, bearing large, bright, azure-blue flowers. 10c pkt.

Palustris. The trumpet-shaped flowers of bright blue. 6 inches. 10c pkt.

Delphinium Giant Hybrid

Palustris Semperflorens. A dwarf Forget-me-not continuing in bloom from early spring until autumn. Blue flowers. 10c pkt.

PANSY. Pansy seed has always been a leading specialty with us. The showy flowers bloom in fall and winter. The largest and finest flowers early in the following spring. Take care of the weakest-looking seedlings, as they usually give the finest flowers. Half-hardy Perennials.

MASTODON PANSIES

A new strain of American Grown Mammoth Flowering Varieties

Adonis. Light blue flowers, marked with a yellowish-white face and large dark blue-centered flowers. 1/4 oz., 10c pkt.

Blue Perfection. The best dark blue, flowers of immense size. 1/4 oz., $1.00, 25c pkt.

Candidissima. The finest and largest, pure white flowers. 1/4 oz., $1.00, 25c pkt.

King of the Blacks. Flowers of immense size, nearly all jet black and velvety in substance. 1/4 oz., $1.00, 25c pkt.

Madame Perrett. Colors are dark wine, pink and red, with edges of petals frilled and toward the base. 1/4 oz., $1.00, 25c pkt.

Meteor. Flowers a beautiful shade of wine-red; very free bloomer. 1/4 oz., 30c, 10c pkt.

Panama Pacific. Flowers of immense size, deep yellow. 1/4 oz., $1.00, 25c pkt.

Bugnot’s, Finest Mixed. 1/4 oz., 30c, 10c pkt.

Oder’s, Finest Mixed. 1/4 oz., 75c, 25c pkt.

Trimmer Giant, Finest Mixed. 3/4 oz., 50c, 10c pkt.

McCullough’s Special Mixture. A superior mixture selected from choice, large flowering strains of English, French and other European growers. 3/4 oz., 60c; 1/4 oz., 10c pkt.

Fine Mixture of Bedding Pansies. The old-fashioned Pansies. Our mixture contains all the most showy and distinctly marked varieties. For freedom of bloom most surpass them. 3/4 oz., 15c; 1/4 oz., 25c; 5c pkt.


Single. McCullough’s, Mammoth, or Hybrid. Finest of petunias procurable....3 pkts., 50c; 20c pkt.

PELOX DECUSSETTA. Hardy Perennial. Mixed. In the greatest variety of colors. 3 feet. 1/4 oz., 10c pkt.


ORIENTALE. (The large Oriental Poppy). Large, deep crimson flowers, having a conspicuous black blotch on each petal; exceedingly showy. 3/4 oz., 25c; 5c pkt.

Orientalia Hybrida. Produce flowers of immense size and of many novel colors, such as salmon, pink, cherry, etc. 3/4 oz., 50c; 10c pkt.
FLOWER SEEDS—Continued

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

- **Chinesis Fimbriata.** Finest mixed. All colors. 25c pkt.
- **Forbesi.** (Baby Blue, Fine flowers, fine for pots. 3 pkt., 25c; 10c pkt.
- **Malacoides.** A fine house plant, somewhat like P. Forbesi, but larger in all its parts; flowers delicate lilac. 15c pkt.
- **Obconica Gigantea.** Strong vigorous growth with immense heads of large individual blooms. 2 pts., 25c; 15c pkt.
- **Obconica Grandiflora.** Large flowers with finely fringed and toothed petals; a beautiful pot plant. 10c pkt.

**HARDY PRIMROSES.** These are among the best of the early spring-blooming plants.

**Auricula.** Finest mixed. Extra choice; saved from a prize collection. 10c pkt.

**Veris.** (Polyanthus). Splendid colors; extra fine. 10c pkt.

**Vulgaris.** True English Primrose; canary-yellow, fragrant flowers. 10c pkt.

**PYRETHRUM Single Hybrids.** Large flowers and clearest colors, saved from named varieties. 10c pkt.

**SCABIOSA.** (Caucasia). Especially valuable for cutting, the blooms lasting a long time in water; blue, purple, shades of violet. Hardy perennial. 10c pkt.

**Japonica.** A Hardy Perennial variety from Japan, forming bushy plants 2 1/2 feet in height, and bearing on long sturdy spikes, beautiful, lavender-blue flowers; a fine cut flower. 15c pkt.

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

**STOCK.** (Gilliflower). McCullough's Cincinnati Market. A grand variety producing one long sturdy spike. 3 pts., 25c; 10c pkt.

**Princess Alice.** (Cut and Come Again). Pure white clusters of fragrant blossoms; excellent for cutting. 3 pts., 25c; 10c pkt.

**STOKESIA.** (Cornflower or Stokes' Aster). Cayana. A hardy perennial, producing hand-some lavender-blue, cornflower-like blooms; in full bloom from July till frost. One of the best hardy border plants. 10c pkt.

**VINCIA.** (Madagascar Periwinkle, or Old Maid). Ornamental, free-blooming plants. Tender Annua1s.

- **Rosea.** Rose, dark eye. 10c pkt.
- **Alba Rosea.** White, crimson eye. 10c pkt.
- **Alba Pura.** Pure white. 10c pkt.
- **Mixed.** 1/4 oz. 25c; 5c pkt.

**Mushroom Spawn**

One pound of Spawn is sufficient for a bed 2 x 6 feet.

We supply many of the largest commercial growers in the United States, and have on hand at all times in the season fresh Spawn of the best manufacture.

**English Miltrack Mushroom Spawn.** Our celebrated English Miltrack brand (made by the best maker in England especially for our trade) has gained an enviable reputation among critical growers for its uniform good quality, and can be thoroughly relied upon to produce a good crop of the best Mushrooms. Commercially, it is more prone to produce any other Spawn. It comes in pressed bricks weighing about 20 ounces. They are broken into pieces the size of a walnut and put sidewise in the beds 10 to 12 inches apart each way.

Prices, by express—customer to pay charges—per brick, 20c; per lb., 50c; 10 lbs., $1.75; 100 lbs., $12.00. By mail, 30c per brick, postpaid.

**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 the sure crop. Amateurs have much the best results with this kind. By express—customer to pay charges—per brick, 30c; 5 bricks, $1.00; 100 bricks, $20.00. By mail, 50c per brick; 5 bricks, $1.50, postpaid.

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

**Mushroom Culture.** (Wm. Falerner.) The most practical work on the subject. $1.00.

Special Prices will be given to those who use Mushroom Spawn in quantity.
McCULLOUGH’S "SUBURBAN" LAWN GRASS SEED

(Trademark Registered)

**McCullough's "Suburban" Lawn Grass Seed**

(32 lbs.) per acre. For a plot 15x20, or 300 square feet, one pound is required for a new lawn, or about one-half pound for renovating.

How to Make a Lawn.—The matchless beauty of a well kept lawn instantly commands the attention of all lovers of the beautiful in Nature, because a fine lawn is an unerring mark of intelligence and taste, to obtain which, 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 four bushels (64 lbs.) per acre. It is unwise 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 pat well with the back of a spade. The seed must be well firm 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. In dry weather keep the lawn well watered.

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 two bushels (32 lbs.) to the acre; roll thoroughly or pat with the back of a spade.

**Prices:**—1/2 lb., 30c; 1 lb., 50c; 5 lbs., $2.25; 1/2 bu. (8 lbs.), $3.25; per bu. of 16 lbs., $6.00.

Postage Must Be Added if Wanted by Mail. See Postal Rates, Second Page of Cover.

"SHADY PLACE" Lawn Grass Seed

On nearly all lawns there are more or less shady places, which, if left, leave bare, unsightly spots 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 four bushels (64 lbs.) per acre, or 1 lb. to each 300 square feet, after which roll thoroughly.

**Prices:**—1/2 lb., 25c; 1 lb. 40c; 5 lbs., $1.75; 1/2 bu. (8 lbs.), $2.65; 1 bu. (16 lbs.), $5.00.

"EDEN PARK" Lawn Grass Seed

The quality of this lawn grass seed will compare favorably with a majority of the lawn grass mixtures on the market, as it contains practically the same grasses as our "Suburban" but without reseeding.

**Prices:**—1/2 lb., 25c; 1 lb., 40c; 5 lbs., $2.25; 1/2 bu. (8 lbs.), $3.50; 1 bu. (16 lbs.), $6.00.

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.

**Prices:**—1/2 lb., 30c; 1 lb., 50c; 5 lbs., $2.25; 1/2 bu. (8 lbs.), $3.50; 1 bu. (16 lbs.), $6.00.

Pulverized Sheep Manure and Pure Bone Meal are the Best Fertilizers for Lawns. See Fertilizers.

PUTTING GREEN MIXTURE

Having specialized for over three-quarters of a century in all varieties of Grass Seeds, and having become familiar with the habits and characteristics of all cultivated grasses, we were prepared to develop the Mixture of Grasses herewith offered by us, after making a careful study of the requirements for producing the most substantial turf for Putting Greens.

The numerous testimonials we have received establishes the fact that our Mixture of Grasses will produce a thick, tough, beautiful green turf.

The varieties comprising this Mixture of Grasses are all the finest-bladed, low-growing and most hardy kinds, and will maintain their rich, velvety green color throughout the season.

**Prices:**—1/2 lb., 35c; 1 lb., 60c; 5 lbs., $2.50; 1/2 bu. (8 lbs.), $3.50; 1 bu. (16 lbs.), $6.00.

GOLF LINKS MIXTURE

We have given much attention to grasses for golf links. The mixture of grasses we offer below is composed of such varieties as will thrive here, and are the result of experiments conducted on our grounds, as well as careful observation for several years of the practical results obtained on those golf links, for which we have supplied the grasses.

We shall be glad to prescribe for whatever the requirements of the links may be; for poor lands or rich; high and dry, or low and wet.

Per lb., 40c; 5 lbs., $1.75; 1/2 bu. (8 lbs.), $2.65; 1 bu. (16 lbs.), $5.00.

Pulverized Sheep Manure and Pure Bone Meal are the Best Fertilizers for Lawns. See Fertilizers.
Kentucky Blue Grass

McCullough's Grass Seeds

We specialize in Grass Seeds of all kinds and for every purpose.

FOR many years Grass Seeds have been one of our most important specialties, and our improved and perfected facilities for handling same (at a minimum cost, either in small or car lots), enables us to offer our customers the best possible service, both as to quality and promptness in executing orders.

We have four or five different grades of Grass Seeds, especially of the kinds most in demand, such as Clovers, Timothy, Blue Grass, Red Top, Orchard Grass. We will be pleased to quote lowest market prices on application.

For best results, we advise the use of our highest grades "XXXX" and "Buckeye." We are the largest buyers in this section of high-grade Seeds and will always pay the highest market price. Submit samples and name quantity to offer.

Our prices include delivery to freight or express depots here, purchaser paying transportation charges.

We make no charge for lookup bags for Blue Grass, Red Top in Chaff, Orchard Grass, Perennial Rye and other light Grass Seeds.

Seamless bags for Clovers, Timothy, Fancy Red Top and other heavy Seeds and Seed Grain are 30c each extra.

The number of pounds to the bushel, in brackets, is the old way of offering grasses, and is mentioned merely for reference.

We expect to adhere closely to prices quoted in this list, but owing to market fluctuations, it is impossible to guarantee prices.

All orders must be filled at lowest market price on the day of receipt.

Postage Must Be Added Wanted by Mail. See Postal Rates, Second Page of Cover.

KENTUCKY BLUE GRASS

(Poa pratensis)

Also known as June Grass, Green Grass, etc. This is rated as the finest permanent pasture grass. It is adapted to meadowed and 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 in grass mix. Sow 30 to 40 lbs. per acre for lawn.

2 bushels (25 lbs.) to the acre for pasture (14 lbs. per bushel).

Kentucky Blue Grass Seed, Fancy Cleaned.

Per lb., 55c; 3 lbs., $1.50; 5 bu. (7 lbs.), $3.40; 1 bu. (14 lbs.), $5.50.

Write for special prices on large quantities and other grades.

NOTE:—We wish to call attention to the fact that Cincinnati is the leading market in the world for Kentucky Blue Grass Seed. We export many carloads annually. The words "McCullough's" and "Kentucky Blue Grass" being very familiar to the principal Seed dealers of the world.

ORCHARD GRASS

(Dactylis Glomerata)

ROUGH Cockfoot. Perennial. Height, 3 feet. It blossoms about the same time as Red Clover, making it, on that account, a desirable mixture with that plant. It is exceedingly palatable to stock of all kinds, and its powers of enduring the cropping of cattle command it as one of the very best pasture grasses. Sow 25 to 35 lbs. to the acre. (14 lbs. per bushel). Market price.

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, but reaches its highest state of perfection in a moist rich soil, in which it attains a height of 2 to 2½ feet.

Fancy Red Top Pure Seed.

Weight, about 30 lbs. per bushel. Sow 10 to 12 lbs. per acre. ... Per lb., 30c; 10 lbs., $2.50; per 100 lbs., $22.00.

Choice Red Top Seed in Chaff.

Sow, if alone, 40 to 60 lbs. per bushel. Per lb., 20c; 7.5 lbs., $1.35; per bu. of 14 lbs., $2.50.

Perennial or English Grass

(Lolium Perenne)

IMPORTED English Blue Grass. Perennial. Height, 15 to 24 inches. Considered invaluable for permanent pastures. It produces an abundance of remarkably fine foliage, tillers our close to the ground and forms a compact tuft of grass. After being cut it grows up in a very short time and remains bright and green throughout the season, consequently is highly valuable for hay or pastures. Also a good variety for hay, if cut when in blossom, as it is then best to cut. Sow. If alone, 50 to 60 lbs. per acre. (24 lbs. per bushel).

Per lb., 25c; 12 lbs., $1.60; per bushel of 24 lbs., $2.75.

Impossible to quote firm prices on "Fancy Grass Seeds" at time of going to press.

Write for special prices on New Crop Seeds.

Pacey's Improved Short Rye Grass

SIMILAR to Perennial Rye Grass, but does not grow so tall, consequently is superior for lawn purposes. (24 lbs. per bushel).

Sow, if alone, 50 to 60 lbs. per acre.

Per lb., 25c; 12 lbs., $1.75; per bu. of 24 lbs., $3.00.

Meadow Fescue (Festuca pratensis)

(Erroneously called English Blue Grass).

HIGHLY valuable for permanent grass land. Does not, however, attain its full productive power till the second or third year. Relished by live stock, both in hay and permanent pasture and is one of the most desirable grasses for general culture. Sow 30 to 40 lbs. to the acre. (24 lbs. per bushel.) This is the true Evergreen Grass of the South.

Pacey's Improved Bermudagrass (Bromus inermis)

A HARDY perennial, standing extremes of heat, cold and drought. In the south it remains green all winter. It will grow well on all kinds of soil. The seed should be sown as early in the spring as the ground can be worked. (10 lbs. per bushel.) Sow 25 to 30 lbs. to the acre. Market Price.

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. Write for price.

Canadian Blue Grass (Poa compressa)

SIMILAR called Flat-stemmed Poa, Flat-staked 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. Market Price.

Crested Dogtail (Cynosurus cristatus)

EXCELLENT grass for hard, dry soils; valuable for pastures and lawns, as it is very hardy, tender, nutritious and relished by all stock. (21 lbs. per bushel). Sow, if alone, 50 to 65 lbs. per acre. (24 lbs. per bushel).

Per lb., 75c; 10 lbs., $7.00.

Fine-Leafed Sheep Fescue

(Festuca ovina tenella)

SIMILAR to the Sheep Fescue, except that the leaves are much finer. Sow, if alone, 40 lbs. per acre. (14 lbs. per bushel).

Height varies from 8 to 24 inches. Write for prices.
GRASS SEEDS—Continued

Hard Fescue (Festuca Durluscula)

Perennial. Height, 12 to 24 inches. Thrives well in dry situations. The herbage is decidedly tender, but the flower heads, when ripe, become hard. Sow, if alone, 30 to 35 lbs. per acre. (12 lbs. per bu.)

Market Price.

Italian Rye Grass (Lolium Italicum)

Bíenial. Height, 18 to 30 inches. As it is not perennial, it is best adapted for permanent pastures, but for one or two years hay it is unsurpassed. Sow, if alone, 45 to 60 lbs. per acre. (18 lbs. per bushel.)

Per lb., 25c; 10 lbs., $2.00; 100 lbs., $15.00.

Red 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. 40 lbs. to the acre. (24 lbs. per bushel.)

Market Price.

Rhode Island Bent (Agrostis Tenuis)

A fine grass, chiefly used for pastures and lawns, for which it is one of the best. (12 lbs. per bushel.) Sow 25 to 40 lbs. per acre. Write for prices.

Sweet Vernal Grass

For a mixture with pasture grasses it is valuable on account of its vernal growth, and also for continuing to throw up root foliage until late in the autumn. Its chief merit is its fragrant odor, which the leaves emit when partially dry, thus sweetening hay. Sow 3 to 5 lbs. per acre with other grasses.

True Perennial. (Anthoxanthum Odoraturn), Market Price.
Annual. (Anthoxanthum Odoratum Puelli.) Much smaller than the perennial. Prices on application.

McCULLOUGH'S MIXED GRASSES For Meadows and Pastures

After years of experimenting we have aided largely in establishing the fact that a thicker and more prolonged growth is produced by a mixture of several varieties than when only one or two are used. 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 meadow will furnish excellent hay as well as late pasturage.

We are prepared to furnish seeds adapted to all soils and all situations and for all purposes, composed of grasses for light, medium or heavy soils; by light soil we mean that which is more or less of a sandy or gravelly nature; the heavy, clay and heavy loams; while the medium is an intermediate between these two. A light, wet soil, with respect to the grasses suited to it, may be considered same as to the heavy soils, and a dry, heavy soil, more as to light soils.

Our best mixture is made entirely with our choice reclassed seeds, while in our second quality we use the same seeds, but without reclassing, and will be equal to the qualities usually to be had on the market. Our mixtures will all have a uniform weight of 16 pounds to the bushel. Quantity to be used per acre, one and one-half to two bushels, and half this quantity for renovating. In ordering, always state the soil and position on which you wish to use it.

First Quality Mixtures

For Meadows
Per lb., 35c; 8 lbs., $2.65; bu. of 16 lbs., $5.00.

For Permanent Pasture
Per lb., 35c; 8 lbs., $3.65; bu. of 16 lbs., $5.00.

For Pasture and Hay in Orchard
Per lb., 35c; 8 lbs., $3.65; bu. of 16 lbs., $5.00.

We supply SECOND QUALITY MIXTURES of any of the above at a reduction of 25c per bushel.

We specialize in Grass Seed of all kinds and for every purpose.

For larger quantities—write for special prices.

Sheep Fescue (Festuca Ovina)

Perennial. Height varies from 6 to 20 inches. Grows naturally on light, dry, sandy soils. Sheep are very fond of it. (14 lbs. per bushel.) Sow 30 to 36 lbs. per acre.

Market Price.

Tall Meadow Oat Grass (Avena Elatior)

A perennial. Has broad, flat leaves, and grows about 3 feet high; has an abundance of long, fibrous roots, penetrating deeply in the soil, enabling it to withstand drought and cold. Sow 25 to 30 lbs. per acre.

Market Price.

Timothy (Phleum Pratense)

Herd'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.

Various Leaved Fescue
(Festuca Heterophylla)

A very early hardy perennial, 2 to 3 feet high, thriving best in cold, moist soils. Yields heavily and is valuable in grass mixtures for permanent meadows. It grows very well in the shade and is highly recommended for shaded lawns and woodland parks. 40 lbs. to the acre.

Wood Meadow Grass (Poas Membrallis)

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. Market Price.

We specialize in Grass Seed of all kinds and for every purpose. For larger quantities—write for Special Prices.
McCallough's High-Grade Clover Seed

Alfalfa, or Lucerne (Medicago Sativa)

Alfalfa is one of the most profitable crops the dairyman or stock farmer can raise, due to the high yield of hay, even when the protein content is high. Alfalfa as grown in the United States, yields more than twice the digestible nutrients that Red Clover does and more than three times the nitrogen per acre. Alfalfa and corn make a perfectly balanced ration. Many farmers are using it in their rotation to take the place of Red Clover. This practice is satisfactory where the soil contains a large supply of lime and organic matter and the seed has been inoculated, or the land has been in Alfalfa previously.

Alfalfa is best adapted to steep limestone hillsides and gravelly river bottoms, where the soil can get away from the roots. Will grow on acid soils providing the water is drained off and sufficient lime is added to correct the acidity. Where land is being switched over to Alfalfa for the first time it will pay to inoculate the seed with Edwards' Legume Bacteria for Alfalfa.

Sow in spring or fall at the rate of 15 to 20 lbs. per acre. We offer American grown seed raised in the North-west and West on non-irrigated land. It is free as possible from noxious weeds. (60 lbs. per bushel.)

Prices on cheaper grades given on application.

Montana Alfalfa

A hardy variety from the non-irrigated or dry lands of eastern Montana. More or less severe in ordinary conditions the seed will serve all purposes because little is lost by being sown the "Montana" way, where it has been sown for the first time.

Sow in spring or fall at the rate of 15 to 20 lbs. per acre. We have secured a supply of high quality seed.

Prices on application.

Grimm Alfalfa

This variety of Alfalfa is being raised all over the United States. It seems to be more hardy than common Alfalfa, which is due to the division of its root system, enabling it to withstand freezing and thawing weather, droughts and other hardships which the common alfalfa will not endure.

We have this season secured a supply of Genuine Seed of this variety grown in northern Idaho, where the soil and climatic conditions are most favorable for its development. Consequently there can be no comparison between the quality of the seed offered by us and that offered from other sources of supply. When comparing prices kindly bear this fact in mind. Sow in spring or fall of year at the rate of 15 to 20 lbs. per acre.

Prices on application.

Aliske 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 on moist land than any other variety of Clover. It is highly esteemed as pasture for bees. Sow 6 to 8 lbs. per acre. Market Price.

White or Dutch Clover (Trifolium Repens)

This variety thrives on nearly all soils; is a low close-growing Clover, and on account of its cutting and hardiness should be used in mixtures for permanent pastures and lawns. Per lb. 70c; 10 lbs. $6.00.

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 pasture. This Clover is a half-hardy annual, without subjecting crops to damage from 15 to 20 lbs. per acre. (25 lbs. per bushel.) Market Price.

Bokhara or Sweet Clover

White Flowered. (Mellotitus Alba). A biennial plant and bears a close resemblance to Alfalfa, but is larger and coarser. It will make an excellent growth on any lime lands and stiffer clays, or 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 fleshly, decay more rapidly than alfalfa roots, hence their nitrogen becomes more quickly available for other crops. As they decay at the close of the second season, there is a good supply of humus.

White Flowered; Hull Seed, Scarified. Market Price.

Yellowed Flowered. (Mellotitus Officinalis). Biennial. It resembles the White Sweet Clover, but blooms about three weeks earlier, produces finer stalks and does not grow as tall. It makes first-class hay and excellent pasture for cattle and sheep. It will grow on any kind of soil, and, being deep-rooted, remains green in the driest season. It should be sown by bee keepers in locations where White Clover is not grown, as it is one of the best honey plants.

Yellow Flowered; Hull Seed, Scarified. Market Price.

Unhulled Seed of both varieties is very slow to germinate. Unhulled Seed (30 lbs. per bushel). Hull Seed (60 lbs. per bushel).

NOTE:—We have installed scarifying machinery, and our Hull Seed Clover is all scarified, which increases the germination 40 to 50 per cent.

Red Clover—Medium (Trifolium Pratense)

SOW 10 to 12 pounds to the acre. Accordingly to quality of seed used and condition of the soil. In ordering, always state quality desired, otherwise will send the best. Market Price.

Red Clover—Sapling or Mammoth (Trifolium Pratense Perenne)

Also called English Clover, Cow Grass, Perennial. Red Clover. Sow 10 to 12 lbs. per acre. Market Price.

Crimson or Scarlet Clover (Trifolium Incarnatum)

Crimson, Scarlet or Carnation Clover

A FIELD of this Clover in full bloom is a grand sight. This Clover grows about two feet high, makes good hay and is excellent for feeding green. The yield being immense, and after cutting it at one cominences to grow again and continues until freezing weather, but being an annual, dies after maturing its seed. Should be sown in August to October, also early spring. 12 to 15 lbs. per acre. Per lb. 20c; 10 lbs. $1.50.

Miscellaneous Farm Seeds

SOWING RAPE

A FORAGE plant of high feeding value. A rich, loamy soil is preferable, but it does well on sandy or stiff clays, and is excellent for sowing after a crop of wheat has been taken off. The plant is a rank grower and should have heavy manuring. It is excellent for fattening sheep and swine, produces an abundant flow of milk in cows, and is the ideal pasture for weaning lambs. Its value as a sheep pasture has been demonstrated in every State in the Union, and it is recommended by authorities everywhere as a superior value for hogs, furnishing the finest pasturage, or can be fed after cutting. It can be sown for fall crop in July, August and September, or later for seed. In a few weeks from the time of sowing, sheep, hogs or cattle can be turned on it. When on the Rape they should at all times have access to salt and mineral. When sown as a grass mixture, use five to six pounds, and if in drills, two to three pounds, to the acre. Per lb. 30c; 10 lbs. $1.50.

Prices on cheaper grades given on application.

VETCHES OR TARES

Sand, Hairy, or Winter Vetch. (Vicia Villosa). Our stock of this is the true type, which will absolutely live throughout the winter, and buyers should beware when buying that they procure the right article, which is a small, round, black seed. 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. In the spring it can be plowed in as green manure, or when in flower cut for hay. All stock relish it keenly. (60 lbs. per bushel) Market Price.

Write for prices on FALL BARLEY, WINTER TURF OATS, SEED WHEAT and SEED RYE.

For larger quantities—write for special prices.
THE steadily increasing demand for hardy plants has induced us to give them more attention and to increase our stock considerably. 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 of leaves the ground until late in autumn. Cannot accept orders for Hardy Perennial Plants totaling less than one dollar.

ACHILLEA (Milkfoil or Yarrow)

Boule De Neige. (Ball of snow). An improved variety, bearing pure white flowers of perfect form all summer. Fine for cut flowers. Each, 25c; per dozen, $2.25.

Eupatorium. Fern-Leaved Yarrow. Bears yellow heads of flowers all summer, with neat, finely cut foliage. Each, 30c; per dozen, $2.75.

AJUGA (Bugle)

Reptans Rubra. A fine plant for the rockery and for shady situations. Large spikes of purplish-blue flowers in May. Each, 25c; per dozen, $2.25.

ANCHUSA ITALICA

Dropmore Variety. Remarkable for its free and continual flowering all summer and the beautiful gentian-blue of its flowers; grows about five feet high. Each, 25c; per dozen, $2.25.

ANTHEMIS TINCTORIA

The hardy Marguerites are among the most satisfactory summer-flowering perennials, growing about 15 inches high; large golden-yellow flowers. Each, 25c; per dozen, $2.25.

AQUILEGIA (Columbine)

Charming hardy plants, with distinct clear-cut foliage, bearing in 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.

Chrysanthemum. (Golden Campions). Golden-yellow flowers with long spurs; Each, 25c; per dozen, $2.25.

Chrysanthemum Alba. A long-spurred white variety. Each, 25c; per dozen, $2.25.

Coeruleum. Flowers often three inches in diameter, the outer sepals deep lilac or blue, petals white, the deep blue spur tipped green. Each, 35c; per dozen, $2.25.

Long Spurred Perennis. Beautiful variations from the standard type. Each, 30c; per dozen, $2.75.

Canadensis. (American Columbine). A bright red and yellow variety; very attractive. Each, 25c; per dozen, $2.00.

ARABIS (Rock Cress)

Alpina. A desirable early spring flowering plant, adapted for edging and the rock garden, but does equally well in the border, forming a dense carpet, completely covered with pure white flowers, which last a long time in bloom. Each, 30c; per dozen, $2.75.

ASTER (Michaelmas Daisies or Starworts)

These are among the showiest of our late flowering hardy plants, giving a real splendor of bloom at a season when most other hardy flowers are past, and for the best effect should be planted in masses of one color. The hardy sorts are entirely distinct from the annuals, being smaller in bloom, but produced in greater quantity.

Novi Belgii Climax. The plant is of strong vigorous habit, over 5 feet high, with pyramidal shaped flower stems filled with light lavender-blue flowers, each 1½ inches or more in diameter; August to October. Each, 30c; per dozen, $2.75.

Novae-Angliae. A tall growing species, bearing clear purple flowers; September. Each, 25c; per dozen, $2.25.

Novae-Angliae Rosea. Similar to the preceding, bearing rose-colored flowers; September. Each, 25c; per dozen, $2.25.

CAMPUTANULAS (Bell Flower)

Bell-shaped flowers, well known and easily grown, of much variety of form, some being tall and suitable for planting in borders or among shrubbery; while others are dwarf and suitable for edging, rockwork, etc.

Carpatica. (Carpathian Hare Bell). Ideal for border or rockery planting, bearing about one inch in diameter; flowers from June till frost; blue and white; each color separate. Each, 35c; per dozen, $2.25.

Pericallis. (Pink Bells). Bright flowers during June and July; 2 feet high. Each, 30c; per dozen, $2.75.

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. Each, 25c; per dozen, $2.25.

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

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CATALOGUE OF BULBS, 1921

HARDY HERBACEOUS PLANTS—Continued

HIBISCUS (Mallow)

Mallow Marvels, Giant-flowering. Flowers of enormous size, frequently 10 to 12 inches in diameter. Plants grow from 1 to 2 feet high, and bloom from early in July until late in autumn. We offer three distinct colors—red, pink and white—strong roots. Each, 35c; per dozen, $3.25.

HOLLYCOCK

FOR planting in rows or in groups on the lawn, or for interplanting among shrubbery, they are invaluable. They require little soil, well drained, and full sun. Double White, Double Rose, Double Yellow, Double Red, Double Mixed. Each, 25c; per dozen, $2.25.

LIBERTY IRIS (Flag Iris)
The 'Fleur-de-Lis' of France.
The Liberty Iris is one of the earliest double 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.

Liberal. Purple. 25c; per dozen.

Liberal. White. 25c; per dozen.

Liberal. Yellow. 25c; per dozen.

Exquisite. Deep violet. 25c; per dozen.

Exquisite. Deep lilac. 25c; per dozen.

Exquisite. Deep blue. 25c; per dozen.

Price of above. Each, 25c; per dozen, $2.25.

If by mail, add $0.30 each, 30c per dozen.

We can furnish the following of most of the above varieties from 50c to $1.00 each.

JAPANESE IRIS (Iris Enemiperi)

Named Varieties

They are most effective when planted in groups, and thrive best in a moist soil. The flowers are of immense size, frequently 10 to 12 inches in diameter, and of the most beautiful and diverse shades. They are perfectly hardy, flowering in great profusion during June and July. They require little soil, well drained, and full sun. They are not particular as to color. The foliage is very handsome, and perfectly hardy in the coldest regions.

Norma. Deep purple. 25c; per dozen.

Royal. Mahogany-red. 25c; per dozen.

Purple and Gold. Fine combination of colors. 25c; per dozen.

Chadai. Clear white, creamy standards. 25c; per dozen.

Furomon. White, purple shadings. 25c; per dozen.

Idzumigawa. Gray, yellow blotches and blue veins. 25c; per dozen.

Kurokomo. Purple overlaid with dark blue, yellow blotches. 25c; per dozen.

Manadzuru. White, yellow blotches. 25c; per dozen.

Uchiu. Crimson-purple with yellow veins. 25c; per dozen.

Warai-botei. White-blue, light blue halo. 25c; per dozen.

Wakanoura. Delicate red-rose. 

About named varieties, each, 60c; per dozen, $6.00.

If wanted by mail, add $0.30 each, 30c per dozen for postage.

Fine Mixed (Our selection). Our mixed varieties embrace a wide range of colors and markings. Each, 35c; per dozen, $3.00.

If by mail, add 5c each, 30c per dozen.

IRIS PALLIDA DALMATICA

This variety is of strong, vigorous habit, growing well in good soil 4 to 6 feet high, with exceptionally large, fragrant flowers, standards lavender, falls lavender, shaded blue; exquisite in every way and fine for massing. Each, 35c; per dozen, $2.75.

IRIS SIBERICA

Orientalis. (Yale Blue). A slender, graceful, tall-growing iris, with flowers very similar to those of the Liberty Iris, but smaller and much more numerous. The plants for best results are strong, with firm roots, so that the deep blue flowers give almost a solid color effect. Each, 25c; per dozen, $2.25.

LIATRIS (Blazing Star, or Gay Feather)

Showy native plants, producing their large spikes of flowers from early in August to October.

Pycnostachya. Spikes of light, rosy-purple flowers; five feet. Each, 25c; per dozen, $2.25.

Spicata. Spikes of tall, dark purple flowers; two to three feet high. Each, 25c; per dozen, $2.25.

LINUM (Flax)

Perenne. A fine plant for the border or rockery; grows 2 feet high, with light, graceful foliage and large blue flowers all summer. Each, 35c; per dozen, $2.75. We do not guarantee or replace Plants, Shrubs or Trees, at prices quoted.

LUPINUS POLYPHYLLUS (Lupine)

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

Polypyllus. Each, 25c; per dozen, $2.25.

Albus. A white variety of above. Each, 30c; per dozen, $2.75.

LYCHNIS

Chaledoniana. A desirable plant, growing two to three feet high; flowers brilliant orange-scarlet. Each, 25c; per dozen, $2.25.

MERTENSIAS (Blue Bells)

Virginia. An early spring-flowering plant, growing about one to one and one-half feet high, with drooping racemes of handsomely light blue flowers, fading to deep pink; one of the most interesting spring flowers, blooming in May and June. Each, 25c; per dozen, $2.25.

MYOSOTIS (Forget-Me-Not)

Pulatris Sempervivens. A variety that is hardly ever out of flower. Useful in a shady spot or the border. Each, 25c; per dozen, $2.25.

HARDY PHLOX

PROBABLY the most satisfactory of all perennials, and a good space, in proportion to the size of the garden should always be given to these plants. These are justly esteemed as the finest flowering perennials. They are of dwarf habit, perfectly hardy, of very easy culture, and yield a profusion of bright showy bloom. They are hardly equalled by any other hardy plant for the decoration of the garden.

We offer the following collection of extra choice varieties. Each, 25c; per dozen, $2.25.

Africa. Brilliant carmine-red with deeper eye.

Liberty. Pure white, with crimson-carmine eye.

Cerise. Bright orange-scarlet with crimson eye, extra large, compact flower heads.

Eclaireur. Dark crimson, center rose surrounded with white, white eye; an old favorite.

Elizabeth Campbell. Bright, light salmon-pink, with lighter shading and dark red eye.

Etna. Deep blue, in full flower in early June. Europe. A white variety with decided crimson-carmine eyes; flowers and trusses are very large.

F. G. Von Lassburg. The finest white flowers; very large; strong, vigorous grower.

Frau Anton Buchner. The finest white yet introduced, having the largest truss and largest individual flower.

Independence. An early, pure white.

Mlle. Beasanzon. A tall growing variety with bright crimson flowers in large trusses.

Mme. Pape Carpentier. This is a dwarf variety, bearing enormous trusses of pure carmine flowers.

Mme. Paul Dutrie. Delicate lilac-rose; flowers very large, borne in immense panicles.

Phlox Rosea. Bright, rose-red, large and fine.

Richard Wallace. White, with bright crimson center; large flowers in immense panicles.

Rosenberg. Bright, reddish-violet flowers with blood-red eye; individual flowers very large.

Ruby. Very vigorous with claret-red eye.

Selma. Large trusses of very large pink flowers, with cherry-red eye; choice.

Sir E. Landseer. Large, bright crimson flowers, borne in immense trusses.

Thobasaide. Salmon, with carmine eye; dwarf.

Thor. Deep salmon-pink with anilin-red eye, suffused and overlaid with a scarlet glow.

W. C. Egli. Flowers are of a delicate lilac shade, illuminated by a large, bright solferino eye, producing a pleasing shade of soft pink.

Price of above varieties, each, 25c; per dozen, $2.25. If wanted by mail, add 5c each, 30c per dozen for postage.

PHLOXES OF Sorts

Amoena. This variety grows about 4 inches high, forming a carpet of foliage, which in early spring is a sheet of bright pink flowers. Each, 25c; per dozen, $2.25.

Divaricata Canadensis. This variety commences to bloom early in April and continues through May, with large, lavender flowers, about 10 inches high. Each, 25c; per dozen, $2.25.

Subulata. (Moss or Mountain Pink). An early spring-flowering type, with pretty moss-like effete green foliage. An excellent plant for the rockery, the border, and for carpeting the ground over bare soil in March. Each, 25c; per dozen, $2.25.

Suffruticosa. Miss Lingard. This early flowering variety grows about 2 feet high, and blooms from May to October. Flowers white with pale pink eye; long graceful panicles. Each, 25c; per dozen, $2.25.
PHYSOSTEGIA (False Dragon-Head)
Grows three to four feet high, bearing spikes of delicate tubular flowers, color varies to a large extent from Virginiac, bright, soft pink.

Virginia Alba. Pure white.

Each, 25c; per dozen, $2.25.

ORIENTAL POPPIES
(Famagis Orientalis)
For a gorgeous display of rich and brilliant coloring, nothing equals them during their period of flowering in May and June, the attention of bees being given to their dainty blossoms, usually re-appearing along in early September, or as soon as the weather gets cool. During this resting period, care should be taken in cultivating the beds, that the roots are not disturbed. Morning Dark maroon. Mrs. Perry. Pink. Princess Victoria Louise. Salmon. Royal Scarlet. Bright red.

The above varieties Each, 30c; per dozen, $2.75.
Mixed Varieties Each, 25c; per dozen, $2.25.

HARDY GARDEN PINKS
THESE old-fashioned favorites are absolutely perfect as an edging for the hardy border; as cut flowers they
are indispensable.

Mixed Hardy Garden Pinks. Seedlings grown from a very select strain, should prove a good percentage of double flowers. Each, 25c; per dozen, $2.25.

PYRETHRUM
Ulignosum. (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.

Each, 25c; per dozen, $2.50.

DOUBLE HERBACEOUS PEONIES
MAGNIFICENT, hardy plants, almost rivalling the rose in perfection, brilliance, color and perfection of bloom. They are perfectly hardy, require little or no care, and produce large, full, heavy flowers in well cultivated soil.

Edulis Superb. Bright, clear mauve-pink with silvery reflex, and June rose fragrance. Early and large flowering.

Feliz Crouse. A late mid-season dwarf variety producing large, globular flowers of rich, even, brilliant red.

Each, 75c.

Festiva Maxima. Queen of all the Peonies. A grand early variety with white flowers, tipped with carmine spots on edge of center petals. Each, 75c.


Louise Van Hoorn. Each, 50c.

Queen Victoria. Large, full, compact bloom, opening flesh, changing to white, center petals tipped with carmine. Late mid-season. Each, 45c.

PEONIES IN MIXTURE
THEY are from our named varieties. We offer them as follows: White, red and purple.

Each, 25c; per dozen, $2.50.

RUDBECKIA ( Cone Flower)
Curpuris. (Giant Purple Cone Flower). The flowers remain in perfect condition on the plants for weeks at a time. Flowers from July to September; two and one-half feet high. Each, 25c; per dozen, $2.25.

SEDUM (Stone Crop)
Aero. (Golden Moss). Much used for covering graves; foliage green, flowers bright yellow.

Each, 25c; per dozen, $2.25.

Album. Green foliage, white flowers. Each, 25c; per dozen, $2.25.

Sexangulare. Dark green foliage, yellow flowers. Each, 25c; per dozen, $2.25.

Spectabilis. Erect growing; height 18 inches with broad light-green foliage and immense heads of handsome showy, rose-colored flowers. Each, 25c; per dozen, $2.25.

Spectabilis Brilliant. Similar to the above with bright flowing crimson flowers. Each, 25c; per dozen, $2.25.

Spurium. Grows 6 inches high with attractive pink flowers. Each, 25c; per dozen, $2.25.

SCABIOSA
Caucasia. (Blue Bonnet). Blooms from June to September. Flowers a soft shade of lavender borne on stems 18 to 24 inches high. Each, 30c; per dozen $2.75.

Japonica. Bears lavender-blue flowers on long stems from July to September. Each, 30c; per dozen $2.75.
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.

Thorough preparation of the soil by spading, and the addition of a liberal quantity of sheep or stable manure or bone meal should be followed by strong growth. In planting, care should be taken to provide a sufficient room for future development, and unless an immediate effect is wanted—in which case they may be planted closer and some of them moved when necessary. The majority of the dwarf-growing kinds may be set about three feet apart, the tall, strong growers about five feet apart.

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.

Stocks of ORNAMENTAL FLOWERING SHRUBS have become greatly depleted in the last few years, consequently it is no longer possible to offer great quantities, or any, of the larger sizes, except in a few instances. Our prices contemplate furnishing the largest sizes now obtainable.

Stocks of ORNAMENTAL FLOWERING SHRUBS have become greatly depleted in the last few years, consequently it is no longer possible to offer stock that is never moved from the cutting beds until sold.

ALTHEA. (Rose of Sharon). The Altheas are among the most valuable of our hardy shrubs on account of their late season of blooming, which is from August to October. Are also extensively used as hedge plants.

Boule-De-Feu. Double red. Each, 75c; per dozen, $7.50.
Jeanne D'Arc. Double white. Each, 75c; per dozen, $7.50.
Meehan. Variegated foliage with satiny, lavender-colored, single flowers. Each, 50c; per dozen, $5.00.

BERBERIS THUNBERGII. (Japanese Barberry). One of the most beautiful shrubs either for hedging or general purposes. It is of medium 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 berries all the fall and winter. It seldom grows over four feet high.

BUDLEYA. (Butterfly, Shrub or Summer Lilac). Varieties with pink or white flowers. Each, 50c; per dozen, $5.00.

CALLICarpa. Pur Purpures. A low growing shrub rarely exceeding three feet in height. In September clusters of bright, glossy, violet-purple berries are borne in from the axil of every leaf, remaining on the plant until mid-winter. Each, 75c; per dozen, $7.50.

CERCIS CANADENSIS. (Judas Tree or Red Bud). Each, 50c; per dozen, $5.00.

CORONARUS. (Kerria). Globe Flower or Japanese Rose. Each, 60c; per dozen, $5.00.

Japonica. Flowers bright yellow, large and showy. Each, 75c; per dozen, $7.50.

Argentea Variegata. A dwarf variety with small green foliage, edged with white. Each, 90c; per dozen, $9.00.

CORNU FLORIDA. (White Flowering Dogwood). Flowers white and very showy. Each, $1.50; per dozen, $15.00.

CORNU FLORIDA RUBRA. (Red Flowering Dogwood). The flowers are rich rose-colored. Each, $3.00; per dozen, $30.00.

CORNU MASCULUSA. (Cornelian Cherry). Bright yellow flowers. Each, 75c; per dozen, $7.50.

CRAB. (Bechtel's Double Flowering). Trees are covered in early spring with large, beautiful, double, fragrant flowers of a delicate pink. Each, $2.00; per dozen, $20.00.

DESMODIUM PENDULIFLORUM. Bears during September, sprays of rose-colored flowers. Each, 75c; per dozen, $7.50.

DEUTZIA CRENATA FL. Pl. Flowers double white, tinged with pink. Each, 60c; per dozen, $6.00.

DEUTZIA GRACILIS. A dwarf bush, with spikes of pure white flowers. Each, 90c; per dozen, $9.00.

DEUTZIA LEMOINEI. Habit dwarf, flowers white. Each, 75c; per dozen, $7.50.

DEUTZIA PRIDE OF ROCHESTER. Large double white flowers, slightly tinged with rose. Each, 75c; per dozen, $7.50.

ELDER GOLDEN. (Sambuca). Golden-yellow foliage. Each, 75c; per dozen, $7.50.

ELEAGNUS LONGPES. (Ornamental Berries). Each, 75c; per dozen, $7.50.

FORSYTHIA FORTUNEL. Upright growth and bright yellow flowers in April. Each, 75c; per dozen, $7.50.

FORSYTHIA SUSPENSA. Low growth and yellow flowers. Each, 75c; per dozen, $7.50.

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

FORSYTHIA VIRIDISSIMA. (Golden Bell). Erect growth and spreading branches; flowers bright yellow. Each, 75c; per dozen, $7.50.

HYDRANGEA ARBORESCENS STERILIS. (Snowball-Hydrangea). Snowy white blooms, flowering for fully three months. Each, 75c; per dozen, $7.50.

HYDRANGEA PANICULATA GRANDIFLORA. The flowers, which are borne in dense pyramidal panicles in the greatest, each, $1.25; per dozen, $12.50. but gradually change to rose and remain in good condition for weeks.

LILAC. Purple. (Syringa Vulgaris). Purple flowers. Each, 75c; per dozen, $7.50.

LILAC. White. (Syringa Vulgaris). White flowers. Each, 90c; per dozen, $9.00.

Price of any of the following named Lilacs, fine plants, 76c; each, 75c; per dozen, $7.50.

LIMEFRUIT. Red and white. Each, 75c; per dozen, $7.50.

PHILADELPHUS OR SYRINGA. Grandiflorus. (Largeflowered Mock-orange). Each, 75c; per dozen, $7.50.

RHODOTYPOS. Kerrioldes. (White Kerria). Each, 75c; per dozen, $7.50.

RHODOTYPOS. Kost.-Rhein. (White Kerria). Each, 75c; per dozen, $7.50.

RIBES AUREUM. (Golden Currant). Flowers yellow, fruit dark brown. Each, 75c; per dozen, $7.50.

SPRE. Anthony Waterer. Grows three feet high and wide. Each, 75c; per dozen, $7.50.

SYMPHORICARPUS. Vulgaris. Each, 75c; per dozen, $7.50.

SYMPHORICARPUS. Racemosus. (Snowberry). Each, 60c; per dozen, $6.00.

VIBURNUM. Opulus Sterilis. (Snowball or Guelder Rose). Single white flowers; brilliant red berries all winter. Each, 75c; per dozen, $7.50.

Plicatum. (Japan Snowball). Pure white flowers in May. Each, 1.25; per dozen, $12.50.

Pomentosum. (Single Japan Snowball). A handsome shrub with beautiful, dark green leaves. Flowers white, borne in flat clusters in May, flowering continuously to a rich crimson. Each, 90c; per dozen, $9.00.

WEIGELIA. Eva Ratke. The finest Weigelia in cultivation. Flowers are a rich, ruby-carmine, blooming continuously throughout the summer and autumn. Each, 90c; per dozen, $9.00.

Rosea. A beautiful shrub, with rose-colored flowers in May and June. Each, 1.25; per dozen, $12.50.

CANDIDA. White; flowering throughout the summer. Each, 75c; per dozen, $7.50.

ORNAMENTAL TREES

Catalpa Bungei. (Umbrella Catalpa). Leaves large, glossy, heart-shaped, deep green, always making a symmetrical head. One of the most desirable trees for lawn or garden planting. Each, 75c; per dozen, $7.50.

Mulberry, Teas' Weeping. The most graceful hairy weeping variety. Each, 1.25; per dozen, $12.50.

It is a beautiful tree with a beautiful habit of growth, and the slender branches grow downward parallel with the stem, forming an umbrella-like shape. Each, 1.25; per dozen, $12.50.

We do not guarantee or replace Plants, Shrubs or Trees at prices quoted.
**Hybrid Perpetual Roses**

Hybrid Perpetual Roses should be planted in the fall, because dormant stock for spring delivery is unsatisfactory on account of being carried in storage cellars all winter. For this reason we have discontinued making spring deliveries on Hybrid Perpetual and Hardy Climbing Roses.

**Strong Two-Year-Old Plants Ready for Delivery During October and November.**

**Price—Extra Strong Plants, each, $1.00; per doz., $10.00.** Sent by express at customer's expense.

If wanted by mail, add $1.00 each, 75c per dozen, for postage.

Captain Christy. Delicate flesh-pink, very free.

Eugene Furst. Flowers velvety-crimson with maroon shading.

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

General Jacqueminot. The old favorite; velvety-crimson.

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

Mme. Plantier. Pure white, large and double, free blooming with yellow center petals.

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

Marshall F. Wilder. A grand rose of large full flowers of a bright rose color.

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 form, strong grower and hardy.

**Hardy Climbing Roses**

We offer the Best and Most Distinct Varieties.

**PRICE—Strong Two-Year-Old Dormant Stock for Fall Planting, each, $1.00; per doz., $10.00.** Sent by express at customer's expense.

If wanted by mail, add 10c each; 75c 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, with the addition of the climbing habit.

**Crimson Rambler.** Bright crimson flowers.

**Dorothy Perkins.** Beautiful shell-pink flowers.

**Dr. W. Van Fleet.** Deep crimson fragrant flowers.

**Flower of Fairfield.** Large trusses of crimson flowers.

**Gardenia.** Flowers bright yellow, opening cream.

**Hiawatha.** Brilliant, ruby-carmine flowers.

**Philadelphia Rambler.** Dozens of crimson flowers.

**Lady Gay.** A delicate cherry-pink.

**Silver Moon.** Large pure white flowers.

**Tausendschon.** Beautiful soft pink flowers.

**Honeysuckles**

**AMPELOPSIS BREVITRICH** (Japan Creeper or Boston Ivy). Best climbing plant for covering brick or stone walls.

Each, 50c; per dozen, $5.00; by mail, each, 55c.

**AMPELOPSIS QUINQUEFOILIA** (Virginia Creeper). For covering walls, terraces and rock trunks of trees.

Each, 50c; per dozen, $5.00; by mail, each, 55c.

**BIGNONIA RADIANS** (Trumpet Vine). Flowers trumpet-shaped, bright scarlet.

Each, $2.50; per dozen, $25.00; by mail, each, 35c.

**CLEMATIS.** Paniculata. (Japanese Clematis). Pure white, very fragrant, borne in large clusters; small flowering.

Each, 50c; per dozen, $5.00; by mail, each, 55c.

**Birch.** (Cut-leaf Weeping). Tall, slender, drooping branches and delicately cut leaves. Its bare white trunk and branches make a beautiful winter picture.

Each, $3.00; per dozen, $25.00.

**Mulberry.** Trees Weeping. See "Ornamental Trees" page 21.

**Matricaria.** (Cut-leaf Weeping). Tall, slender, drooping branches and delicately cut leaves. Its bare white trunk and branches make a beautiful winter picture.

Each, $3.00; per dozen, $25.00.

**Weeping Trees**

**SHADE AND ORNAMENTAL**

**FOR LAWN, STREET AND FOREST PLANTING**

**ASH.** American White. A handsome, hardy, broad-crowned tree. 8 to 10 feet. Each, $2.25; dozen, $22.50.

**A.** European. Smaller in its habit of growth than the American. 6 to 8 feet. Each, $1.75; dozen, $17.50.

**Catalpa Speciosa.** An handsome, rapid growing tree. 8 to 10 feet. Each, $1.00; dozen, $9.00; by mail, each, 75c.

**Catalpa Bungii.** (Umbrella Catalpa). See "Ornamental Trees" page 21, for description. 6 to 7 feet. Each, $3.00; by mail, each, 75c.

**ELM.** American. A hardy, rapid grower; resists drought and is long lived. 8 to 10 feet. Each, $2.25; dozen, $22.50.

**LARCH.** European. A pyramidal, cone-bearing tree. 4 to 6 feet. Each, $1.75; per dozen, $17.50.

**Linden.** American. A rapid growing tree with large leaves. 8 to 10 feet. Each, $3.25; per dozen, $32.50.

**Linden European.** This is probably the largest leaved Linden. 6 to 8 feet. Each, $3.25; dozen, $32.50.

**Liquidamber.** (Sweet Gum.) A very ornamental tree and beautiful at every stage. 5 to 7 feet.

Each, $2.50; per dozen, $22.50.

**MAPLE.** Norway. A large, handsome tree with a compact, rounded head of spreading branches. 8 to 10 feet. Each, $4.50; per dozen, $45.00.

**MAPLE.** Rock or Sugar. An excellent shade tree of upright, dense growth. Grows to a large size and is long lived. 6 to 8 feet. Each, $3.00; per dozen, $30.00.

**MAPLE.** Silver or Soft. Has wide, slender, spreading branches and thrives almost anywhere. 8 to 10 feet. Each, $2.00; per dozen, $20.00.

**OAK.** Red. A tree of rapid growth, growing into a large, majestic tree, the foliage turning dark red in fall. 6 to 8 feet. Each, $3.00; per dozen, $30.00.

**OAK.** Scarlet. A tree with spreading branches, leaves turn scarlet in fall. 6 to 8 feet. Each, $3.00; per dozen, $30.00.

**Poplar.** Carolina. One of the surest and most rapid growing trees, 8 to 10 feet. Each, $1.50; dozen, $16.00.

**Poplar.** Bolleana. Its habit of growth is broader than the Lombardy; tall-growing with cottony leaves. 8 to 10 feet. Each, $3.50; per dozen, $35.00.

**Poplar.** Lombardy. With age this tree becomes picturesque. 8 to 10 feet. Each, $1.50; dozen, $15.00.

**Salisburtia.** (Maiden Hair or Ginkgo). A tall, sparsely branched tree, with slender, crenated leaves similar in shape to the Maidens Hair Fern. 6 to 8 feet.

Each, $3.00; per dozen, $30.00.

**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. 8 to 10 feet. Each, $3.00; by mail, each, 75c.

**Tulip Tree.** (Liriodendron 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.

Each, $1.75; per dozen, $17.50.

**Weeping Trees**

**Weeping Trees**

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; they can also be more easily trimmed and shaped to any desired form and in the course of a few years will usually outstrip the older ones in growth. If not prepared to plant when your stock arrives, "hecd 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.

SENT BY EXPRESS OR FREIGHT AT EXPENSE OF PURCHASER.

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

While we make no charge for packing or delivery to freight or express companies, we will charge 10c per box on account of the increased cost of operation we cannot accept orders for Fruit Trees in smaller quantities than six, either straight or assorted, at prices quoted. In smaller quantities, add 25c per tree, or get your friends to make up a Club Order, to be shipped to one address.

APPLES STANDARD
5 to 7 feet high. Each, $1.25; per dozen, $12.50.
SUMMER VARIETIES
EARLY HARVEST. Pale yellow, fine flavor; August.
RED ASTRACHAN. Large, crimson, juicy, with rich sub-acid flavor; hardy; July.
YELLOW TRANSPARENT. Pale yellow; good quality.

AUTUMN VARIETIES
DELICIOUS. Large, dark red, juicy, aromatic.
DUCHESS OF OLDENBURG OR DUCHESS. Large, round, yellow, striped red, tender, juicy.
FALL RAMBLER. Large, yellow, striped red, tender, large.
MAIDEN'S BLUSH. Large, beautiful, blush cheek.

WINTER VARIETIES
Baldwin. Large, dark red; productive.
BANANA. Large, golden-yellow, shaded crimson.
Ben Davis. Handsome, striped; good quality.
Gano. Deep red, fine quality; good shipper and keeper.
GRIMES GOLDEN. Medium to large, skin golden-yellow, flesh red, very tender, high quality; September and October.
JONATHAN. Medium, red and yellow, flesh tender, juicy.
NORTHERN SPY. Large, striped red; good keeper.
ROSE BEAUTY. Large, yellow, shaded red, tender.
STAYMAN'S WINEGAR. Fruit medium size, mostly covered with red on a yellow ground; flesh fine, crisp, juicy; September.

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

CRAB APPLES
CRAB Apples do well on almost any soil. Trees are hardy and vigorous, come into bearing early and bear almost every year. Excellent for cider, vinegar and jelly.
5 to 7 feet high. Each, $1.25; per dozen, $12.50.

HYSDON. Large, crimson; very popular on account of its large size, beauty and hardiness.

TRANSCENDENT. Skin yellow, striped with red.
WHITNEY. Large, glossy green; splashed carmine, firm, juicy, great bearer; excellent for cider.

CHERRIES
HEART AND BIGARREAU (Sweet)
5 to 7 feet, first-class, each, $2.25; per dozen, $22.50.

No home orchard is complete without some cherry trees. They are easily grown wherever the Apple succeeds and they bear good crops yearly.

BLACK TARTAR. Very large, purplish-black, juicy, rich, excellent, productive; last of June.
GOVERNOR WOOD. Large, light red, juicy, rich, delicious, tree healthy and productive; June.
NAPOLEON. Large, pale yellow, firm, juicy; productive.
ROCKPORT BIGARREAU. Large, yellow, juicy and sweet.

YELLOW SPANISH. Large, pale yellow with light red cheek; late June.

DUKE and MORELLO (Sour)
4 to 6 feet, first-class. Each, $2.00; per dozen, $20.00.

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.

WINDSOR. A large, delicious cherry, reddish-brown or liver colored; July.

SUITABLE DISTANCES FOR PLANTING FRUIT TREES.
Apples, standard, 30 to 40 feet. Pears, standard, 18 to 20 feet. Cherries, sour, 15 to 18 feet. Plums, 16 to 20 feet. Quinces, 10 to 12 feet.

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

PEACHES
4 to 6 feet, each, $1.00; per dozen, $10.00.
Living on a farm, plant a small peach orchard for home use or a large one for commercial purposes. If living on a city lot, plant a peach tree in the back yard.

CHAMPION. Creamy white with red cheeks, freestone, excellent quality; 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.

OLD MISON FREE. Large, yellow with red cheek; September.

PEARS
STANDARD AND DWARF
6 to 7 feet, first-class, each, $2.25; per dozen, $22.50.
Pears should be included in all home orchards, as they will not only themselves to as great a variety of soils as any other fruit.

BARTLETT. Large, clear yellow, juicy; August.

FLEMISH BEAUTY. Fruit is large, skin pale yellow, flavor sweet and melting; September and October.

KIEFFER'S HYBRID. Large, rich color and good quality.

SECKEL. Small, yellowish-brown; one of the best.

SHELDON. Large, round, russet-red; October.

PLUMS
STANDARD ON PLUM STOCKS
5 to 7 feet, each, $2.25; per dozen, $22.50.

Plum trees require but little room to grow and are prolific bears. For dessert, cooking and canning, the demand is almost unlimited.

ABUNDANCE. Large, yellow with heavy bloom, good quality; prolific.

BRADSHAW. Large, dark violet-red, flesh yellow, juicy and good; middle of August.

BURBANK. The largest and best variety; color red; excellent quality; early and productive; July.

LOMBARD. Fruit is medium size, oval and violet-red, flesh yellow, juicy and pleasant; late August.

RED JUNE. Large, red, fine quality; strong, vigorous grower; finest early; June.

SHIPPER'S PRIDE. Large, purple, fine, juicy and sweet.

YELLOW EGG. A beautiful yellow, egg-shaped plum of large size; flesh yellow; late August.

QUINCES
4 to 5 feet, each, $2.25; per dozen, $22.50.
The Quince is a reliable cropper and requires but little care. While they will thrive in almost any soil, they prefer a sticky, moist, clay loam.

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

CHAMPION. Large, oval, of a rich color and excellent quality; ripens late and keeps well until January.

MULBERRIES
5 to 6 feet. Each, $1.35; per dozen, $13.50.

DOWNING'S EVERBEARING. One of the most prolific varieties, bearing an abundance of large, black, sub-acid fruit; hardy; and keeping about three months. A small number of trees, properly planted and tended, will bring better results and more satisfaction to the grower, than twice the number half cared for.

BLACKBERRIES
Per dozen, $1.00; per 100, $7.50.

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 toward clay. Ancient Briton. Large, rich fruits, loaded with good sized berries of fine quality; vigorous grower, one of the best. Blower. Large, large berries; very productive. Early Harvest. Dwarf grower; fruit medium size of fine quality; the first to ripen. Elora. Large, large fruits, borne in large clusters and ripen well together; fine quality; good keeper. Mersereau. Extremely hardy, berries large, extra quality, sweet, rich and melting without core; good keeper and shipper. Rathbun. A strong erect grower with strong stem, branching freely. Fruit very large, sweet and luscious, without hard core. Snyder. Medium-sized fruit, sweet and juicy; extremely hardy and very productive. Taylor. Medium large fruit of fine flavor, extremely hardy and very productive; ripens late. Ward. A strong vigorous grower, producing fine, large fruit of excellent quality; hardy.

DEW BERRY Lucretia. One of the low-growing, trailing blackberries. It has proved highly satisfactory wherever tried, and many say it is the best of all blackberry fillings.

Per dozen, $1.00; per 100, $7.50.

CURRANTS—Two-Year-Old Plants
Per dozen, $1.00; per 100, $7.50.

CRAWFORD'S.—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. Deep red. Each, 50c; per dozen, $1.00.

Jersey. A hardy, vigorous grower, of large size, bearing an excellent quality; a cross between Jersey and Logan. Each, 50c; per dozen, $1.00.

Perfection. A new red variety which promises to eclipse all other sorts, combining size, color, high quality and productiveness. Each, 50c; per dozen, $1.00.

White Grape. Best white variety. Each, 50c; per dozen, $1.00.

GOOSEBERRIES—Two-Year-Old Plants
Per dozen, $1.00; per 100, $7.50.

The best results are obtained by planting in moist, but not soggy, clay loam, but they will do reasonably well in any well drained soil if they are well fertilized once each year.

Bars. Large, pale green, and of splendid quality for both cooking and table use. Each, 50c; per dozen, $1.00.

Houghton's. Large, oval, pale green, rather firm and sweet. Each, 50c; per dozen, $1.00.

Industry. Berries of large size, excellent flavor, pleasant and rich, dark red color when fully ripe; strong upright grower; an immense cropper. Each, 50c; per dozen, $1.00.

Smith's Improved. Large, pale, greenish-yellow, skin thin, of excellent quality. Each, 50c; per dozen, $1.00.

GRAPE VINES—Continued

RED GRAPES

* Catawba. Berries large, round; when ripe a dark copper color; sweet, rich. . . . . . . Each, 50c; per dozen, $5.00.

Delaware. Small, light, juicy, thin skinned. Each, 50c; per dozen, $5.00.

White and Yellow Grapes—Continued

* Catawba. Berries large, round; when ripe a dark copper color; sweet, rich. . . . . . . Each, 50c; per dozen, $5.00.

Delaware. Small, light, juicy, thin skinned. Each, 50c; per dozen, $5.00.

WHITE OR YELLOW GRAPES

Niagara. Vine remarkably hardy and strong grower; borne very large; large and compact; berries large, light greenish-white, slightly ambered in the sum. Each, 50c; per dozen, $5.00.

Pooington. Bunch and berry very large; attractive gold color, . . . . . . Each, 50c; per dozen, $1.00.

Varieties marked with * are best for arbors.

RASPBERRIES

Once the Raspberry patch is established, it requires very little cultivation. 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.

St. Regis. It is wonderfully prolific, the first or main crop being far greater than that of any other red variety known. It fruits on the old canes in generous quantity until late in the year; berries begin to ripen upon the young canes, which continue to produce berries in increasing numbers until severe frosts. The berries are a bright crimson, of large size and surpassing quality—rich, sugary with full raspberry flavor. They are of exceedingly meaty, firm texture and keep in good condition longer than any other red raspberry.

Per dozen, $1.00; per 100, $7.50.

The following varieties are all, per dozen, $1.00; per 100, $7.50.

Cardinal. Produces a fine quality of dark red or almost black purple berries through a long fine season. Each, 50c; per dozen, $1.00.

Cumberland. The largest black cap; a healthy, vigorous grower; very productive. Each, 50c; per dozen, $1.00.

Cuthbert. Large, firm, deep rich crimson, of excellent quality; tall, strong and vigorous. Each, 50c; per dozen, $1.00.

Gregg. A large black variety; fruit firm. Each, 50c; per dozen, $1.00.

Kansas. The hardest black cap; strong, vigorous. Each, 50c; per dozen, $1.00.

STRAWBERRIES

STRAWBERRIES will do well in any soil that will grow good corn. A sandy loam should be light and free from clay. A generous supply of well rotted manure incorporated in the soil is of great benefit.

The plants like water as soon as received, and bury the roots in moist, shady ground till you are ready to set them out.

Superb. The Ever-bearing Strawberry—is a truly wonderful fall bearing variety and makes it unusually profitable the fact that it also produces a heavy yield of choice fruit in the early summer, along with the standard varieties. They continue to give large yields of choice berries throughout August, September and in October up to the time the ground is slightly frozen. Plants of this variety which are set in the spring should have the blossoms removed until the first of July. The remainder of the blossoms may be left to develop into berries, and a good crop of fruit will thus be secured the same season the plants are set, without injury to the plant. Each, 50c; per dozen, $1.00.

The following varieties are all, per dozen, 50c; per 100, $1.50.

Aroma. One of the finest for long-distance shipping. The large berries are bright red to the center, of conical shape with prominent and attractive yellow seeds. Each, 50c; per dozen, $1.00.

Gandy. One of the best late varieties. Berries large, of fine form, and excellent quality. Each, 50c; per dozen, $1.00.

Glen Mary. Large to very large, sometimes flattened; sweet, rich, delightful. Each, 50c; per dozen, $1.00.

Nick Ohmer. A fine, fancy market berry and always superb for the table; and large in size. Each, 50c; per dozen, $1.00.

Senator Dunlap. Exceedingly vigorous. Fruit large, regular and attractive in form, deep red to the center; firm in substance. Each, 50c; per dozen, $1.00.

Wm. Belt. Berries very large, conical, bright red, of good flavor. Each, 50c; per dozen, $1.00.

THE J. M. McCULLOUGH'S SONS CO., CINCINNATI, O.

SMALL FRUITS, GRAPE VINES, ETC.—Continued

GRAPE VINES—Continued

RED GRAPES

Blackberries, 5 to 7 feet. Currants, 3 to 4 feet. Raspberries, black, 4 to 5 feet. Strawberries, 1½ x 3½ feet.

SMALL FRUITS AND GRAPE VINES

Gooseberries, 3 to 4 feet. Raspberries, red, 3 to 4 feet. Strawberries, in beds, 1½ x 3½ feet. Grapes, 8 to 10 feet.
Floricultural Tools and Sundries

CANES, five to seven feet long, for plant stakes; per 100, $1.75.
CANES, yellow or green dyed, 3 feet long; per 100, $1.75.
GLASS CUTTER, ECLIPSE. The best cut glass on the market. Each, 12c; per dozen, $1.75.
GLAZING POINTS, PEERLESS. Will stop your glass from sliding; made of galvanized steel wire.

No. 1. For small single-thick glass, 35c.
No. 2. For large single-thick glass, 75c.
No. 2 1/2. For double-thick glass.
GLAZING POINTS, SING. CITY. Effective on large or small glass; easy to drive, easy to extract.

Per lb. 60c.

KNIVES, FRUNING, $1.25 to $2.00.
KNIVES, BUDGING, $1.00 to $1.75.
KNIVES, ASPHALT, 40c.

LABELS, WOOD, For pots, painted; Per 100 Per 1000
4 x 3/16-inch $0.25 $2.00
5 x 3/16-inch .30 .25
6 x 3/16-inch .40 3.00
8 x 3/16-inch 1.00 6.00
10 x 3/16-inch 1.10 8.00
12 x 3/16-inch 1.35 10.00

LABELS, Tree, notched, copper wired; Per 100 40c; Per 1000 $3.00.
LABELS, Tree, copper; No. 1, per 100 $2.00; No. 2, per 100 $2.50.

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 the most durable and thorough manner. Price, $3.50.

LAMP, DEFUANCE FUMIGATING. (For use in greenhouses). It burns kerosene and is set by prominent Market Gardeners all over the country. Each, 50c; per dozen, $1.75.

Mastica, For glazing greenhouses. One gallon will cover about 300 running feet (one side); gallon, $2.90.
Mastica Glazing Machine, Each, $2.90.

Mats, Hotbed—Strong Burlap, Indestructible and warm. Size, 76 x 76 inches. $3.00.
MATTOCK, STONE CUTTER, With handle. $1.75.

Mattock, Cronk's Garden. 90c.

Plant Bulb Glue. A substitute for glass, answering many uses equally well:
Light Grade, per yard...15c
Heavy Grade, per yard...30c
Write for special prices on large lots.

PRUNING KNIVES, TREE—Happy Thought. Price, 5 ft. $1.50

6 ft. $1.75
10 ft. $2.00

PRUNING KNIVES, TREE—Definitive. Price, 6 ft. $1.50 $1.75

PRUNERS, LITTLE GIANT TREE. To use on a poll, Price, $1.00.

PRUNING SHEARS, CLYDE. No. 1... $2.75 No. 2... $2.50

PRUNING SHEARS, HAND. California Pattern, 9-inch. $1.00

Wiss Heavy. Fine quality, 9-in. 3.00

Ladies' Hands. $1.50

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

PUTTY, TWEMLER'S LIQUID GLAZING. For bedding glass in sash. One gallon will cover about 600 running feet (one side). Gallon. $3.25.

PUTTY RULE. A useful tool for applying liquid putty and glazing greenhouses. $1.35.

RAFFIA, NATURAL. The best tying material for plants, also used for making fans, baskets, etc. $2.00.

RAFFIA, COLORED. For making baskets and fancy work in following colors: Black, Orange, Pink, Red and Yellow. 1 oz. 15c; 1 lb. $1.25.

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

No. 1. 3 x 6 feet, three rows. 10-inch glass. Each, $3.00; dozen, $30.00.
No. 2. 4 x 6 feet, five rows, 8-inch glass. Each, $2.50; dozen, $25.

SAWS, PRUNING. 16-inch. $1.00

18-inch. $1.25

SAWS, PRUNING, Diston. $2.25

SEED SOWER, LITTLE GIANT. For sowing wheat, oats, rye, grass seed, clover seed, etc.; in fact, any kind of seed broadcast. It throws a 30 inch band. $2.25

SPRINKLER, RUBBER, SCOLAY'S. Indispensable for floral work and window gardening. Large size. $1.35

THERMOMETERS. Hotbed or Mushroom. $2.50

WATERING POTS, GALVANIZED. Made from best quality of iron and heavily galvanized. Two roses with each pot for fine and coarse watering. Long Spout. 4 qt. $3.75; 6 qt. $4.00; 8 qt. $4.25; 10 qt. $4.50; 12 qt. $4.75.

WAX, GRAFTING. 1/2 lb. 15c; 1 lb. 30c.

WIRE FOLDING PLANT STANDS. There is more room for the pots and foliage than any other plant stand that takes the same amount of floor space.

3-Tray Wire Stand—Trays 7 1/2 in. wide x 30 in. long...$4.50
2-Tray Wire Stand—Trays 7 1/2 in. wide x 30 inches long, eye $3.50
1-Tray Wire Stand—Tray 10 in. wide x 24 in. long...$2.25

WIRE WINDOW SHELF FOR PLANTS. Strong, compact, with adjustable steel brackets; can be applied to any window moulting on flat part of same.

30-inch shelf, by 7 1/2 inches wide, with brackets complete...$1.50
42-inch shelf, by 7 1/2 inches wide, with brackets complete...$1.75

Our Flower Pots and Saucers are standard make, of extra fine finish, and bear shipping well. No Charge for Packing.

McCullough's Plant Tubs

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

<table>
<thead>
<tr>
<th>Size</th>
<th>Each</th>
<th>Dozen Per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 1/4</td>
<td>.03</td>
<td>.50</td>
</tr>
<tr>
<td>3</td>
<td>.04</td>
<td>.75</td>
</tr>
<tr>
<td>3 1/4</td>
<td>.06</td>
<td>1.00</td>
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<tr>
<td>3</td>
<td>.08</td>
<td>1.25</td>
</tr>
<tr>
<td>3 1/4</td>
<td>.12</td>
<td>2.00</td>
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</tbody>
</table>

No. 7—12 inches diameter, 11 inches high. $2.00

No. 8—13 2.35
No. 10—15 2.85
No. 12—17 3.75
No. 14—18 4.50

PREPARED BULB FIBRE. Growing bulbs, such as Roman Hyacinths, Dutch Hyacinths, Tulips and Narcissus in special pots; these have produced excellent results in their care; these are the various bulbs in this way. The bulbs are potted the same way as in ordinary soil, just showing their tops. Do not press the fibre tightly; otherwise the roots do not work freely. Once potted, they require hardly any attention, only care must be taken to keep the compost moist, but not too wet. Pkcs, 50c; bales, $1.75.

Cedar Plant Tubs

Made of seasoned Selected Virginia White Cedar, house with steel hoops, green, inside and out, and top edge finished with round level. No feet, but furnished with iron handles.

<table>
<thead>
<tr>
<th>Size</th>
<th>Each</th>
<th>Dozen Per 100</th>
</tr>
</thead>
<tbody>
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<td>.04</td>
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<tr>
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</tr>
<tr>
<td>6</td>
<td>.06</td>
<td>.60</td>
</tr>
<tr>
<td>7</td>
<td>.08</td>
<td>1.00</td>
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<tr>
<td>8</td>
<td>.10</td>
<td>1.50</td>
</tr>
<tr>
<td>9</td>
<td>.12</td>
<td>2.00</td>
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<td>.20</td>
<td>2.00</td>
</tr>
<tr>
<td>12</td>
<td>.25</td>
<td>2.75</td>
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</tbody>
</table>

No. 7—12 inches diameter, 11 inches high. $1.75

No. 8—13 2.00
No. 9—14 2.25
No. 10—15 2.50
No. 11—16 2.75
No. 12—17 3.75
No. 13—18 4.25
No. 14—19 4.25

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Paragon Sprayers

Spraying is of such importance that the Experiment Stations all over this country have given much of their attention to it, and their findings have been of invaluable value. Diseases and insects can no longer exist if the proper Insecticide is applied through the medium of an up-to-date spray apparatus.

These Sprayers are strongly constructed and can be easily operated by one man. They can be brought in close proximity to the work, thereby eliminating the use of a long, expensive hose. Our patented, self-cleaning strainer prevents the necessity of stopping the liquid and removing the agitator. The body of the pump is cast iron, well ribbed to prevent breakage. The screen is of heavy perforated brass and will last many years.

The pump frame can be easily removed from tank when it needs cleaning and by running water through machine after using, the entire machinery can be easily and thoroughly cleaned.

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. The body of pump is cast iron, well ribbed to prevent breakage. The screen is perforated and will last many years.

The pump frame can be easily removed from tank when it needs cleaning and by running water through machine after using, the entire machinery can be easily and thoroughly cleaned.

No. 1 PARAGON

Price List of Paragon Sprayers

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity</th>
<th>Equipment</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>3 3/4 gallons</td>
<td>4 feet spray hose, 3 feet spray pipe, 1 mist spray nozzle, 1 steel can for mist nozzle, 1 straight spray</td>
<td>$15.00</td>
</tr>
<tr>
<td>1</td>
<td>6 gallons</td>
<td>5 feet spray pipe, 5 feet spray pipe, 2 spray nozzles</td>
<td>$20.00</td>
</tr>
<tr>
<td>2</td>
<td>12 gallons</td>
<td>10 feet 6-ply hose, 7 1/2 feet spray pipe, two spray nozzles. Mounted on strong steel truck and can easily be wheeled to any desired place. Truck is easily detached when desired. Price...</td>
<td>$30.00</td>
</tr>
<tr>
<td>3</td>
<td>Machine without truck</td>
<td></td>
<td>$26.00</td>
</tr>
<tr>
<td>4</td>
<td>28 gallons</td>
<td>Equipment, 20 feet 6-ply hose, 10 feet spray pipe, two spray nozzles. Mounted on two strong 30-inch wheels.</td>
<td>$44.00</td>
</tr>
</tbody>
</table>

Brass Lined Spray Poles

Bamboo, brass lined, 10-ft. lengths, net price...... $5.00
Wood-encased, brass-pipe, 10-ft. lengths, net price, 5.00

Insecticides and Fungicides

Liquid Insecticides and Poisons cannot be sent by mail.

“BLACK LEAF 40”

For Aphis indoors use 3/4 pint “BLACK LEAF 40” to 100 gallons of water or 1 teaspoonful to 1 gallon of water, with sufficient soap in water to make it appear as though it were raining. Nicotine, 25c; 1 lb., $2.00; 4 lbs., $7.50; 8 lbs., $14.50.

ZENKE’S LIQUID FUNGICIDE

POWERFUL, reliable remedy for Leaf Spot, Leaf Rust, Scab, Mildew, Black and Brown Rot and most other Fungal troubles. Per gallon, $3.00.

ZENKE’S COMPOUND PLANT INSECTICIDE

Is a contact remedy (Liquid). Very effective against Plant Lice, Black and White Fly, Mealy Bugs, Scale Insects, Eggs and Larva. A very effective wash for Palms and Rubber Plants. 8 oz. can, 25c; per gallon, $2.00.

LIME-SULPHUR SOLUTION

For fall, winter and early spring spray. Destroys San Jose Scale, Peach leaf Curl, Bud Moth, Apple Aphis, Blister Mitte, any Scale Insects or Bark Lice. 1 gallon will make 8 gallons spraying liquid. 1 qt., 40c; 1 gal., $1.00; 5 gal., $3.50; ½ bbl. (25 gals.), $9.50; 1 bbl. (50 gals.), $15.00.

S. W. DRY LIME-SULPHUR

From 10 to 12 pounds of S. W. Dry Powdered Lime-Sulphur should be used with 50 gallons of water, for a dormant spray, 1 lb. can, 35c; 5 lb. can, $1.50; 10 lb. can, $2.25; 25 lb. can, $4.50.

FISH OIL SOAP

For destroying Insects on Plants, Trees, Vines, etc. This is also a contact remedy. ½ lb., 20c; 1 lb., 30c; 5 lbs., $1.25; in bulk, 25 lbs., $5.50.

NICO-FUME LIQUID

For destroying Aphis, Thrip and Red Spider. Contains 50 per cent nicotine. Use one or two teaspoonful of Liquid to each gallon of water. This is a contact remedy. ½ lb., 65c; 1 lb., $2.00; 4 lbs., $7.50; 8 lbs., $14.50.

STRIPS of paper strongly saturated with nicotine. These, when suspended and lighted, make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 feet long by 20 feet wide. Price, air-tight cans, 24 sheets, $1.25; 144 sheets, $5.00; 256 sheets, $9.50.

SCALECIDE

SCALECIDE is more than a Scale Spray—it is a tree inactivator, destroying blight cankers from which fire blight, collar rot, root rot, etc., is spread. As a delayed dormant spray when the buds are just starting it controls aphid without the addition of nicotine.

Mites instantly with water and stays mixed. Add one gallon of “Scalecide” to 15 gallons of water, stir, and you are ready to spray any kind of tree when the leaves are off, provided it is not too cold to be comfortable. Use plain spray nozzle and thoroughly wet the tree from the topmost twig down to the ground and around the base of the tree and you can rest assured that you will have accomplished everything you could with any other dormant spray or combination of sprays, and in addition, some things they cannot do. Use our directions; directions will tell you how to Scalecide that comes in contact with it.

Tobacco Dust

A SURE remedy for Green Fly, Aphis, Fleas, Beetles, Scale, etc., provided there is not too much foliage to be covered. 10 lb. bags, $1.45; 5 gallons, $6.45; 10 gallons, $11.00; 30 gallons, $37.00; 50 gallons, $59.50.

Tobacco Dust for Fumigating. 1 lb. 10c; 3 lbs., 25c; 10 lbs., 60c; 100 lbs., $3.00.

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Big Reduction Bargain

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Although fluctuations prevent us quoting firm prices on Feeds in our Catalogues, but we are always prepared to quote firm prices upon receipt of an estimate of your want.

NOTICE on Prices

Prices quoted include delivery to Express or Freight desk of purchaser paying all transportation charges. Postage must be added if wanted by mail.

"GLOBE" CHICK MASH WITH BUTTERMILK.
3 lbs., $1.50; 25 lbs., $2.25; bag of 100 lbs., $10.

"GLOBE" CHICK GROWING MASH WITH BUTTERMILK.
3 lbs., $1.50; 25 lbs., $2.50; bag of 100 lbs., $10.

"GLOBE" CHICK FEED.
4 lbs., 25c.; 25 lbs., $1.25; 50 lbs., $2.25; bag of 100 lbs., $10.

"GLOBE" DEVELOPING FEED.
4 lbs., 25c.; 25 lbs., $1.25; 50 lbs., $2.25; bag of 100 lbs., $10.

"GLOBE" SCRATCH FEED.
4 lbs., 25c.; 25 lbs., $1.25; 50 lbs., $2.25; bag of 100 lbs., $10.

"GLOBE" EGG MASH.
4 lbs., 25c.; 25 lbs., $1.25; 50 lbs., $2.25; bag of 100 lbs., $10.

SPRATT'S CHICK MEAL.
2 lbs., 25c.; 25 lbs., $1.25; 50 lbs., $2.75; bag of 100 lbs., $10.

SPRATT'S PORK MEAL.
2 lbs., 25c.; 25 lbs., $1.25; 50 lbs., $2.75; bag of 100 lbs., $10.

SPRATT'S TURKEY MEAL.
GAME MEAL AND PHEASANT MEAL.
2 lbs., 25c.; 25 lbs., $1.25; 50 lbs., $2.75; bag of 100 lbs., $10.

SPRATT'S TURKEY MEAL.
GAME MEAL AND PHEASANT MEAL.
Pinhead oats.
3 lbs., 25c.; 25 lbs., $1.50; 50 lbs., $3.00; bag of 100 lbs., $10.

Hulled oats.
3 lbs., 25c.; 25 lbs., $1.50; 50 lbs., $3.00; bag of 100 lbs., $10.

Ground oats.
5 lbs., 25c.; 25 lbs., $1.05; 50 lbs., $2.00; bag of 100 lbs., $10.

Rice.
2 lbs., 25c.; 25 lbs., $1.25; 50 lbs., $2.50; bag of 100 lbs., $10.

SPRATT'S CHICK MEAL.
50 lbs., $4.85; bag of 100 lbs., $9.70.

SPRATT'S PORK MEAL.
50 lbs., $7.05; bag of 100 lbs., $14.10.

SPRATT'S TURKEY MEAL.
GAME MEAL AND PHEASANT MEAL.
Pinhead oats.
3 lbs., 25c.; 25 lbs., $1.50; 50 lbs., $3.00; bag of 100 lbs., $10.

Hulled oats.
3 lbs., 25c.; 25 lbs., $1.50; 50 lbs., $3.00; bag of 100 lbs., $10.

Ground oats.
5 lbs., 25c.; 25 lbs., $1.05; 50 lbs., $2.00; bag of 100 lbs., $10.

SUNFLOWER SEED.
3 lbs., 25c.; 25 lbs., $1.50; 50 lbs., $2.80; bag of 100 lbs., $10.

ALFALFA MEAL.
Fine, 5 lbs., 25c.; 25 lbs., $1.25; 50 lbs., $2.50; bag of 100 lbs., $10.

ALFALFA MEAL.
Coarse, 5 lbs., 25c.; 25 lbs., $1.25; 50 lbs., $2.50; bag of 100 lbs., $10.

MEAT SCRAP.
50% Protein, 3 lbs., 25c.; 25 lbs., $1.75; 50 lbs., $3.25; bag of 100 lbs., $10.

Blood meal.
50% Protein, 3 lbs., 25c.; 25 lbs., $1.75; 50 lbs., $3.25; bag of 100 lbs., $10.

DRIED DIGESTER TANKAGE.
60% Protein, 3 lbs., 25c.; 25 lbs., $1.85; 50 lbs., $3.75; bag of 100 lbs., $10.

BEET SEEDS.
50% Protein, 3 lbs., 25c.; 25 lbs., $1.75; 50 lbs., $3.25; bag of 100 lbs., $10.

GRANULATED BONE.
Furnished in three sizes: fine, medium and coarse. 3 lbs., 25c.; 25 lbs., $1.75; 50 lbs., $3.25; bag of 100 lbs., $10.

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Furnished in three sizes: fine, medium and coarse. 4 lbs., 25c.; 25 lbs., $1.85; 50 lbs., $3.75; bag of 100 lbs., $10.

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Furnished in three sizes: fine, medium and coarse. 4 lbs., 25c.; 25 lbs., $1.75; 50 lbs., $3.50; bag of 100 lbs., $10.

Milkoline

This is a pure condensed Buttermilk Feed for Poultry and Hogs, and being modified will keep an indefinite time of any climate, will not mold, sour, or lose its entire.

Prices.—Per gal., $2.00; 5 gals., $10.00; 10 gals., $19.00.

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AGRICULTURAL LIMESTONE


Apply at the rate of 2,000 to 4,000 lbs. per acre and may be applied at any season of the year.

Packed in 100 lbs. bags. Per bag of 100 lbs., $1.25; 5 bags, $5.75; 10 bags (1,000 lbs.), $10.00.

ACID PHOSPHATE 16%

Apply from 200 to 400 lbs. per acre. Analysis: Available phos. acid, 16% soluble 1%. 5 lbs., 10 lbs., 25 lbs., 25 lbs. $1.00; 50 lbs., $1.75; per bag of 100 lbs., $2.50.

NITRATE OF SODA

Carries approximately 20% of ammonia and comes in crystals which vary in size. It is sometimes handy and the lumps should be crushed to a powder before the material is applied. Owing to the fact that Nitrate of Soda is a highly concentrated form of plant food, care should be used in applying the material to plants on the leaf surface. 1 lb., 2 lbs., 3 lbs., 10 lbs., 25 lbs., 50 lbs., $1.00, $1.75, $2.50, $7.00.

SULPHATE OF AMMONIA

Contains approximately 25% of ammonia and comes in crystals which is very nice to apply broadcast. 1 lb., 2 lbs., 5 lbs., 25 lbs., 50 lbs., $1.75; 25 lbs., $2.00; 50 lbs., $3.75; 100 lbs., $7.00.

BACTERIALIZED HUMUS

This article is prepared from deposits of decayed vegetable matter. It has been successfully used for years and has proven to be equally effective in the garden, lawn, and vegetable plot. Humus in some form is the most essential element of plant life. It is rich in ammonia, phosphoric acid, potash, and lime. 5 lbs., 25 lbs., 50 lbs., 100 lbs., $2.00.

HYDRATED LIME

This lime is used for sweetening acid or sour soils, 3 lb. package, 50c; bag of 50 lbs., $1.10; 5 bags (250 lbs.), $5.00; 10 bags (500 lbs.), $9.00.

MOSS, PEAT AND POTTING SOIL

Moss, Green Sheet. For hanging baskets, etc. Per lb., 50c; large bag, $2.00.
Moss, Sphagnum. For packing plants and growing orchids, etc. 1 lb., 50c; per box, $2.00.
Peat, Jersey. Per bushel, $1.00; per bag of two measured bushels, $2.75.
Potting Soil. Per peck, 35c; per bushel, $1.25.

Write for Special Prices on Lots of 500 lbs. or Over.

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