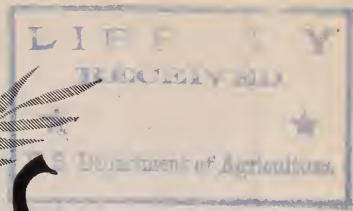


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J. M. McCULLOUGH'S SONS

CATALOGUE OF BULBS



TREES AND SHRUBS {1900} FOR FALL PLANTING.

J. M. McCULLOUGH'S SONS

SEEDSMEN AND IMPORTERS OF

BULBS

316
AND
318

(CINCINNATI,
OHIO.

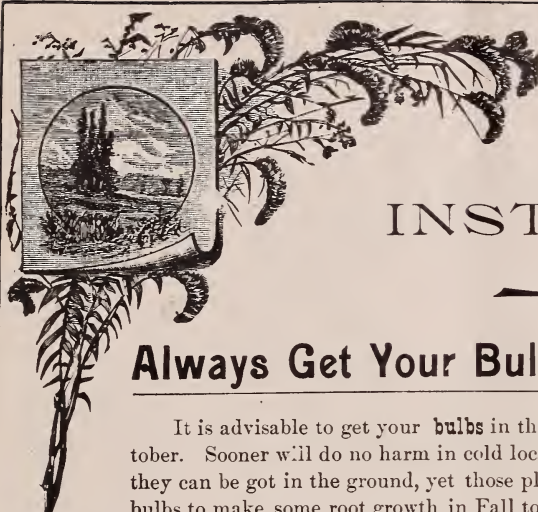
BETWEEN

WALNUT STREET.

3RD & 4TH STREETS



ESTABLISHED 1838.



INSTRUCTIONS.

Always Get Your Bulbs Early.

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

OUR PRICES INCLUDE POSTAGE on single Bulbs and by the dozen, except where otherwise noted. Bulbs quoted by the hundred are *not* sent prepaid.

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

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

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

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

Write your Name and Address distinctly and in full; please use the Order Sheet and Envelope inserted in this catalogue.

We shall always be pleased to reward Customers who send us the name and post-office address of their friends who buy Seeds, Plants, Bulbs, etc.

Our Spring Catalogue for 1901 will be ready about January 1st and will be sent free to all customers and applicants.

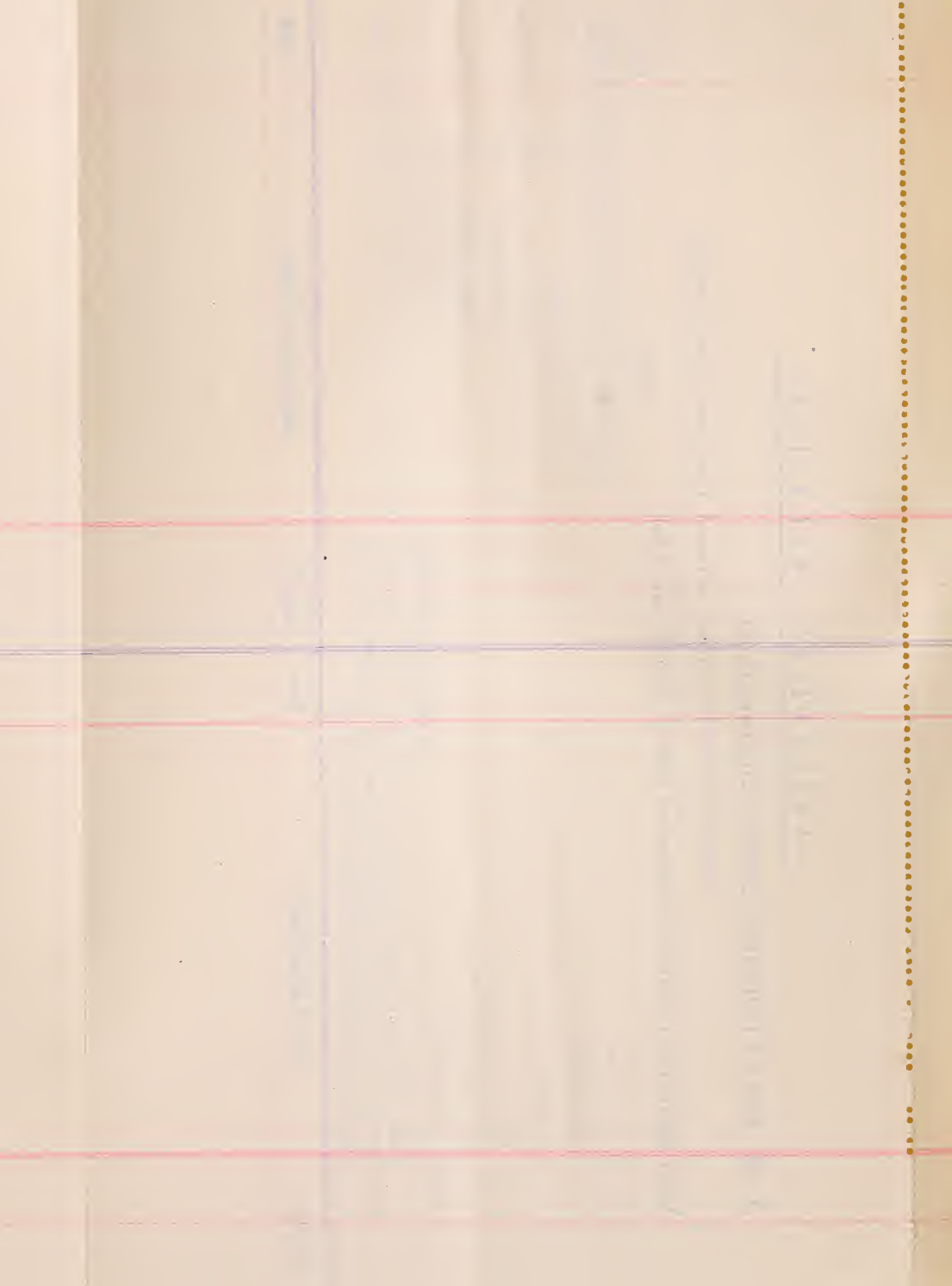
J. M. McCULLOUGH'S SONS,

SEEDSMEN and IMPORTERS of **BULBS,**

316 and 318 Walnut St. CINCINNATI, O.

BETWEEN THIRD and FOURTH STREETS.





McCULLOUGH'S

Catalogue of BULBS and how to grow them.

. . . FALL, 1900 . . .

HYACINTHS.

For Planting Hyacinths in the Open Ground, the preferable season is in 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. Plant the bulbs so that the crown will appear just above the surface. 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, very delicate. Care should, therefore, be exercised not to place them in the direct rays of the sun for two or three days.

For Culture in Glasses, the bulbs should be so placed that only the base of each touches the water; then place them, for the first ten days, in a dark but cool closet or room, to promote the starting of the roots, after which expose them to the light and air as much as possible; AVOID PLACING THEM NEAR GAS-LIGHT. The water should be changed as it becomes impure; draw the roots entirely out of the 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 bulbs are well advanced, give them a shower of water every day.

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. Prices per 100 are not prepaid.



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 them in the following colors:

Dark Red, Rose and Pink, Pure White,
Dark Blue, Light Blue, All Colors Mixed.
5 cents each, 55 cents per dozen, \$3.50 per 100.

HYACINTHS.—Choice Mixed.

IN SEPARATE COLORS.

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.

Single Varieties.

	EACH.	DOZ.	100.
Single Red, mixed shades.....	7	80	\$5 25
“ Rose	7	80	5 25
“ Pure White.....	7	80	5 25
“ White, tinted.....	7	80	5 25
“ Dark Blue and Purple.....	7	80	5 25
“ Light Blue.....	7	80	5 25
“ Yellow.....	7	80	5 25
SINGLE MIXED, all colors.....	—	70	4 75

Double Varieties.

	EACH.	DOZ.	100.
Double Red, mixed shades.....	7	80	\$5 25
“ Rose.....	7	80	5 25
“ Pure White.....	7	80	5 25
“ White, tinted.....	7	80	5 25
Double Dark Blue and Purple.....	7	80	\$5 25
“ Light Blue.....	7	80	5 25
“ Yellow.....	7	80	5 25
DOUBLE MIXED, all colors.....	—	70	4 75

HYACINTHS NAMED. SECOND SIZE . . . These are usually sold under name of Selected first size, and in comparing prices please bear this in mind. While it is true that same will not produce as large and full spikes as our first size, they will nevertheless give good satisfaction. Particularly commendable for bedding where solid colors are desired.

Red. Pink. Pure White. Blush White. Dark Blue. Light Blue.

10 cents each, \$1.00 per dozen, \$7.00 per hundred.

ALL OUR BULBS ARE SPECIALLY SELECTED, AND FROM BEST GROWERS.



A BED OF HYACINTHS.

Choice Named Hyacinths.

The following list, which has been carefully revised, includes only the choicest varieties, and we have every confidence in recommending them as the best that can be grown for exhibition and decorative purposes. The single varieties will all force well. Single named Hyacinths grown in glasses are an elegant and suitable ornament for the parlor or sitting-room, and can be flowered in this way with very little trouble. This plan of growing Hyacinths in water is a method of culture very convenient to many, especially to those residing in cities, where it is so often troublesome to procure soil for potting. The bulbs procured should be placed in the glasses as early in the season as possible, keeping them in the dark until their roots are well started, after which the lightest and sunniest situation that can be had is the best; the water in the glasses should be changed two or three times a week, and in severe weather the bulbs must be removed from the window so as to be secure from frost. After filling the glass with water, place the bulb so that the base only will touch the water.

It is supposed by many of the inexperienced 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.

Single Red and Rose.

	EACH.
Amy , large compact truss, deep carmine.....	10
Belle Quirene , bright pink, very large spike.....	10
Cosmos , dark rose, clear center.....	10
Gertrude , deep rose, fine compact spike.....	10
Gigantea , delicate pink, large bells.....	10
Homerus , red, very early.....	12
Fabiola , beautiful rose, carmine striped, large spike.....	10
Genl. Pelissier , deep crimson, fine truss, very early.....	12
Lord Macaulay , bright red, striped rose, large compact spike.....	15
Lord Wellington , rose, large bells, fine spike.....	10
Madame Hodson , pink, carmine striped.....	10
Maria Catherina , deep red, large spike.....	10
Norma , delicate satin pink, very large bell, handsome spike.....	10
Robt. Steiger , bright crimson, a fine compact spike.....	10
Sultan's Favorite , pink, dark striped.....	10
Veronica , dark scarlet, extra fine large spike.....	10

Single White.

Alba Superbissima , pure white, large truss.....	12
Baron von Thuyll , pure white, very fine large compact truss, an exhibition variety.....	12
Blanchard , pure white, long compact spike, early.....	12
Cleopatra , rosy white, a favorite.....	12
Grand Vedette , snow white, very large bells.....	12
La Candeur , white, large compact truss.....	15
La Grandesse , pure white, with immense bells, one of the best in cultivation.....	15

Single White. (Continued.)

	EACH.
Mont Blanc , pure snow white, extra large bells, and a magnificent, large and compact spike.....	15
Queen Victoria , pure white, large bells.....	12
Madame Van Der Hoop , pure white, fine.....	15
Voltaire , white, shaded with rose, large bells, and good spike, dwarf.....	10

Single Blue.

Argus , deep blue, pure white eye, very fine.....	10
Baron Von Thuyll , dark blue, compact spike.....	12
Charles Dickens , bright blue, extra large bells.....	10
Czar Peter , porcelain blue, extra fine.....	15
Grand Lilas , silvery lilac, large compact truss.....	15
King of the Blues , rich dark blue, splendid spike.....	12
L'Amie du Cœur , light lilac, fine spike.....	12
La Peyrouse , light blue, large bells.....	10
Maria , dark purple, very large spike.....	10
Priestly , light blue, fine color.....	12
Regulus , light blue, with dark blue stripes.....	10
Uncle Tom , bluish purple, extra large truss.....	10

Single Yellow.

Duc de Malakoff , orange.....	15
Heroine , bright citron, large spike.....	15
Ida , golden yellow, splendid large compact spike.....	15
King of Holland , rich orange, fine truss.....	15
La Ptue d'Or , pale yellow, very delicate.....	10

Choice Named Double Hyacinths.

Double flowering Hyacinths at one time commanded much higher prices, and were preferred to Single ones, but for years the current of fashion has been in favor of the Singles, for there can hardly be a doubt that the latter produce far more graceful and beautiful spikes.

The individual bells of the Double are large and beautiful, but there are usually fewer of them borne on the spike; for bedding and pot culture, however, Double Hyacinths, are very satisfactory.

Double Red and Rose.

	EACH.
Bouquet Royal , fine rose, dark center, good spike ..	10
Bouquet Tendre , carmine rose, large bells	10
Czar Nicholas , pure, delicate rose, large bells	10
Grootvorst , pink, large truss	10
Lord Wellington , pale blush, with delicate rose stripe, large bells, and massive spike	15
Noble Par Merite , rose, large bells, splendid truss.	12
Princess Royal , scarlet, with brown center, fine ..	10
Regina Victoria , salmon rose, very double	10

Double White.

A la Mode , blush white	12
Anna Maria , blush white, violet center, fine	12
Bouquet Royal , pure white, fine spike	10
La Tour d'Auvergne , pure white, early large bells.	12
La Virginite , blush white, dwarf, large bells	10
Miss Kitty , white, purple center	12

Double White. (Continued.)

	EACH.
Prince of Waterloo , fine, pure white, large spike ..	12
Scepter d'Or , pure white, yellow center	12

Double Blue.

Albion , dark blue, extra fine, large spike	12
Bloksberg , porcelain striped, large truss	12
Chas. Dickens , dark lavender blue, large truss ..	12
Garrick , lilac blue, with a bright blue stripe	12
Mignon de Dryfhout , light blue, semi-double	12
Pasquin , light blue, with dark center, striped	12

Double Yellow.

Bouquet d'Orange , reddish orange, fine spike	12
Goethe , clear, pale yellow, large bells, fine truss ..	12
Heroine , pure yellow, fine	15
Jaune Supreme , splendid yellow, fine spike	15
Ophir d'Or , golden yellow	12
William III , yellow, with red center, compact spike.	12

Early Roman Hyacinths.

These are extensively used by florists for forcing, which may be done at a temperature of 60 degrees. The white variety flowers a fortnight 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. The blue and rose Roman Hyacinths flower from one to two weeks later than the white variety.

Deduct 10 cents per dozen, if not to be sent by Mail.

	EACH.	PER DOZ.	PER 100.
Early White Roman , selected, extra large bulbs	\$0 04	\$0 45	\$2 50
Early White Roman	04	40	2 00
Double Rose Roman , blooms later than the white	04	40	2 00
Single Blue Roman	04	40	2 00
Single White Italian . This variety is largely grown for the flower markets of Paris. They are a little later than the Roman, and have larger spikes; very fragrant.	04	40	2 00

Musk Hyacinths.

A small growing Hyacinth of a purplish color, emitting, when in flower, a strong and very agreeable musky odor. Valuable for pot culture, and well worth growing in clumps in the open ground.

Price, 10c each; \$1.00 per dozen.

Grape Hyacinths.

Very pretty variety, producing flowering spikes about six inches high, with little round bells so arranged as to resemble a bunch of grapes. Admirable for permanent beds and edgings and partially shaded situations, where they will soon spread and take care of themselves. They are very pretty when grown six in a pot in the house for Winter flowering. Price, 3c each; 25c per dozen; \$1.50 per 100.

Feathered Hyacinths.

An exceedingly pretty variety, the spikes average 9 to 12 inches high, and in place of being formed of bells, as in all of the other varieties, is a **feathery plume**, and few plants are more striking in the garden or more useful for cutting. It is particularly adapted for open garden culture. Price, 3c each; 30c per dozen; \$2.00 per 100.



WHITE ROMAN HYACINTHS.

We carry full lines of Flower Pots, plain and fancy. See cover of catalogue.

TULIPS.

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

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



... 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.



SINGLE EARLY TULIPS.

	EACH.	PER DOZ.	PER 100.
Artus , <i>b7</i> , scarlet, fine bold flowers, good for forcing	3	30	\$1 50
Belle Alliance , <i>b7</i> , brilliant scarlet, large flower, fine for bedding	3	30	1 75
Canary Bird , <i>a8</i> , clear rich golden yellow, excellent for early forcing	4	40	2 00
Chrysolora , <i>b9</i> , pure yellow large and handsome flower	4	40	2 00
Cottage Maid , <i>b6</i> , rosy pink, edged with white, a charming variety	4	40	2 00
Coeur Cardinal , <i>a9</i> , brilliant dark carmine, distinct and very fine	4	40	2 00
Duc de Berlin , <i>a8</i> , forcing, red and yellow	3	30	1 75
Duchesse de Parma , <i>b9</i> , bronzy crimson, banded yellow	3	30	1 50
Dusart , dark scarlet, large and very robust, fine for parks, a grand flower	4	40	2 50
Gold Standard , <i>b8</i> , crimson, yellow striped and shaded	4	40	2 50
Jagt Van Delft , <i>b8</i> , white, very fine	3	30	1 50
Joost Van Vondel , <i>b8</i> , crimson flamed white, large and distinct	4	30	1 75
Keizerskroon , <i>b9</i> , deep crimson, with broad orange-yellow margin, large and effective	4	30	1 75
L'Immaculee , <i>b7</i> , pure white, very early and fine, excellent for forcing	3	30	1 50
Mon Tresor , <i>b9</i> , large pure yellow, fine bold flower, extra	4	40	2 25
Pottebakker Scarlet , <i>a8</i> , bright scarlet, very large and fine flower	3	30	1 50
" White , <i>a8</i> , pure white, fine large and showy flower	4	40	2 00
" Yellow , <i>a8</i> , large fine bright golden yellow, excellent forcer	4	40	2 50
Princess Marianne , <i>b8</i> , white, with rosy stripe, extra fine large flower	4	30	1 75
Prince of Austria , <i>b9</i> , orange-scarlet, sweet-scented, a fine forcer, a grand Tulip	4	40	2 50
Proserpine , <i>a8</i> , The "Queen of Tulips," large and very effective, rich, silky rose	4	40	2 50
Queen Victoria (La Reine) , <i>b6</i> , white, slightly-tinted rose, good for bedding and forcing	3	30	1 75
Rembrandt , <i>b8</i> , bright scarlet	4	40	2 00
Rose Grisedlin , <i>b6</i> , delicate rose, shaded white, fine for forcing, very beautiful	4	40	2 50
Rosa Mundi , <i>b8</i> , white, shaded with rich rose	4	30	1 75
Silver Standard (Royal Standard) , <i>b8</i> , white, feathered with rosy crimson	4	30	1 75
Thomas Moore , <i>b10</i> , beautiful nankeen, shaded orange	4	40	2 00
Vermilion Brilliant , <i>b8</i> , deep, dazzling vermilion; extra fine for pots and massing	5	50	3 00
Wouverman , <i>b6</i> , violet, extra	3	30	1 50
Yellow Prince , <i>b7</i> , golden yellow, extra large and showy, scented as a Tea Rose	4	40	2 00
Choicest Mixed , from above-named varieties, extra fine	3	30	1 50
Fine Mixed , including all colors and shades	3	25	1 25

SINGLE EARLY DUC VAN THOLL TULIPS.

These are the earliest to bloom of all Tulips, and being of a dwarf habit, they are especially suitable for pot culture. Planted three or four in a pot they produce a brilliant effect.

	EACH.	PER DOZ.	PER 100.		EACH.	PER DOZ.	PER 100.
Red and yellow	3	30	\$1 50	Rose	4	40	\$2 00
Crimson	3	30	1 50	White	4	40	2 00
Scarlet	3	30	1 50	Yellow	5	40	2 50
Vermilion	3	30	1 50	Mixed Duc Van Tholl	—	30	1 50

Our Hyacinth and Tulip Bulbs are all First Size. We do not handle Second Sizes.

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.

Admiral Kingsbergen, b7, brown and yellow.
4c each; 30c doz.; \$1.50 per 100.

Belle Alliance, large violet red, striped white, late and tall.
4c each; 40c per doz.; \$2.00 per 100.

Duc Van Tholl, red and yellow, a6, very dwarf and fine for forcing.
4c each; 30c per doz.; \$1.50 per 100.

Duke of York, b8 dark rose, bordered white, showy and fine.
4c each; 30c per doz.; \$1.75 per 100.

Gloria Solis, a7, deep crimson, with golden margin, very large.
4c each; 30c per doz.; \$1.75 per 100.

Hellanthus, a9, scarlet, gold and crimson, superb.
4c each; 40c per doz.; \$2.00 per 100.

Imperator Rubrorum, a9, rich crimson scarlet, extra fine..... 4c each; 40c per doz.; \$2.50 per 100.

La Candeur, b8, pure white, extensively grown for bedding..... 4c each; 30c per doz.; \$1.50 per 100.

Murillo, b8, bluish white, shaded rose, large flowers, fine for forcing..... 5c each; 50c per doz.; \$3.00 per 100.

Purple Crown, a8, dark crimson maroon, velvety and fine.
4c each; 30c per doz.; \$1.50 per 100.

	EACH.	PER DOZ.	PER 100.
Rex Rubrorum , b9, bright crimson scarlet, superb for bedding, showy.....	5	40	\$2 25
Tournesol , a7, scarlet, margined yellow. One of the best for forcing.....	5	40	2 25
Tournesol Yellow , a7, bright golden yellow, large and showy flower.....	6	60	4 00
Yellow Rose , c9, large golden yellow, fine bedder and sweet scented.....	3	30	1 75
Choicest Mixed , from named varieties, extra fine.....	3	30	1 50
Fine Mixed , including all colors and shades.....	3	25	1 25

Late and May Flowering Tulips.

This class of Tulips is comparatively little known, otherwise the demand for same would be much greater. They flower somewhat later than the early varieties, and are therefore very valuable to make a succession of bloom.

Bizarres, flowers of perfect shape, yellow ground color, feathered or striped with crimson, purple or white..... 5c each; 30c per doz.; \$1.50 per 100.

Byblossens, blotched, striped or feathered, with blue, lilac, violet, purple or black. Choicest mixed..... 5c each; 35c per doz.; \$2.00 per 100.

Gesneriana, the tallest, largest flowered, and showiest of all Tulips for bedding out in masses. Flowers of enormous size. Color, rich crimson scarlet, with glittering blue-black center..... 5c each; 35c per doz.; \$2.00 per 100.

PARROT TULIPS.

These are in many respects the finest of all Tulips. Their flowers are larger than the other kinds, and the colors striking and beautiful. Some will be clear yellow, others deep crimson, and others striped with crimson, yellow and green, from which they derive their name.

	EACH.	PER DOZ.	PER 100.
Constantinople , large red flowers, tipped orange... 5	5	35	\$2 00
Cramoisie Brilliant , deep crimson, with large black star-shaped center, extra fine.....	5	35	2 00
Perfecta , striped, yellow and scarlet.....	5	35	2 00
Lutea Major , large bright yellow.....	5	35	2 00
Parrots, mixed colors	—	30	1 50



LATE TULIP.

Use our "Suburban" Lawn Fertilizer if you desire a handsome, bright green and luxuriant lawn; the is nothing to equal it. See cover of catalogue.

Narcissus.

A beautiful class of early blooming flowers, both for out-door 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 off-sets. 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 cool, 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.

Prices per dozen and single bulbs include Postage.

Persons purchasing Narcissus at our counters, or who wish to pay their own express charges, may deduct 5c per dozen from these prices when bought by the dozen.

DOUBLE NARCISSUS.

Alba Plena Odorata. The double Poeticus, flowers pure white, large and very fragrant, one of the finest for all purposes... 3c each; 25c per doz.; \$1.50 per 100.

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..... 3c each; 25c per doz.; \$1.50 per 100.

Orange Phoenix. Large double white, with orange segments in the center.
5c each; 50c per doz.; \$3.00 per 100.

Silver Phoenix. Largest of the Double Narcissus, pale creamy white with sulphur, delicate fragrance, fine for cutting or for decorating purposes.
10c each; \$1.00 per doz.

Von Sion. The famous "Old Double Yellow Daffodil," rich golden yellow perianth and trumpet, one of the best forcing sorts... 5c each; 35c per doz.; \$2.00 per 100.

Von Sion Selected, extra large, true Northern grown Dutch Bulbs... 5c each; 45c per doz.; \$2.50 per 100.

SINGLE NARCISSUS.

	EACH.	PER DOZ.	PER 100.
Biflorus. Twin flowers borne on one stalk, pure white, with yellow cup	3	\$0 25	\$1 50
Horsfeldi. Very large flowers of pure white, with rich yellow trumpet, magnificent flower	7	75	5 00
Emperor. Large rich yellow trumpet, with lighter yellow perianth, one of the best...	10	1 00	8 00
Incomparable Stella. Perianth white and slightly twisted, with yellow trumpet, fine for forcing	3	25	1 50
Poeticus (Pheasant Eye or Poets). Flowers pure white, with distinct red crown, sweet scented	2	20	1 00
Poeticus Ornatus. Large pure white flowers, saffron cup, tinted with rosy scarlet, very early	3	25	1 50
Princeps. Large yellow trumpet, sulphur white perianth, very early, splendid variety.	4	35	1 75
Trumpet Major. Large golden yellow, fine forcer.	4	35	1 75
Von Sion Single. Large golden yellow, fine for garden or forcing.	4	35	1 75

POLYANTHUS NARCISSUS.

Invaluable for forcing. These all flower very early; the flowers are exceedingly fragrant, and may be grown either in glasses or in pots. If planted in open borders, they must be well protected by a covering of litter.

	EACH.	DOZ.	PER 100
Paper White Grandiflora. Large trusses of pure white flowers, splendid forcer	5	35	\$2 00
Paper White. The earliest variety, very fragrant	5	30	1 25

	EACH.	DOZ.	PER 100
Grand Monarque. White, lemon cup, largest, finest of all white.	5	50	\$3 00
Grand Soleil d'Or, yellow orange cup.	5	50	3 00
Gloriosa, white, orange cup.	5	50	3 00
Queen Victoria, white, very fine.	5	50	3 00
Poly'thus Narcissus, mixed varieties.	4	35	2 00



Chinese Sacred Lily or Oriental Narcissus.

The Chinese Sacred Lily is, properly, a Narcissus, of the Polyanthus type. The bulbs are very large, and each one sends up from five to twelve spikes, which bear clusters of large, perfect, waxy-white blossoms, with a yellow center, and of a powerful and delicious fragrance, which is not excelled by any flower. They grow well in pots of soil, but the most popular way of blooming them is the Chinese method, as follows:

Put about one inch of sand in a shallow bowl, or some similar vessel, about four inches deep; place the bulb on this, and pack it firmly with small pebbles or pieces of rock; then fill it with water to the top of the pebbles, and place in a warm, sunny window. The bulb will at once commence a rapid growth, and bloom in five or six weeks. Add fresh water as often as necessary.

It is not absolutely necessary to put the bulbs 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 lend to an interior a cheerful aspect when all outside is frost-bound 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.

Our stocks of this famous Lily are imported directly from Shanghai, China, and are extra large bulbs, of the choice variety **Lien-Chu**, the BEST and most profuse flowering.

Extra large bulbs, 10c each (if by mail, 15c each); \$1.00 per dozen, by express, **not** prepaid.

JONQUILS.

Most 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 four in a five-inch pot and treat same as Hyacinths.

	EACH.	PER DOZ.	PER 100.
Largest Double , fine golden yellow.....	5	40	\$3 00
Single , sweet-scented, deep yellow.....	3	25	1 00
Campanelle , single, golden yellow, very large and fragrant.....	3	25	1 00
Odonus Rugulosus , new large flowering, deep yellow crinkled flowers, exceedingly fragrant and very desirable for forcing or open garden.....	4	25	1 25



CHINESE LILY.

AMARYLLIS.

All varieties of the Amaryllis are ornamental. Plant in equal parts sandy loam and leaf-mould. If convenient, start them in a hot-bed, beginning with fifty degrees of heat, increasing to sixty or seventy; when the leaves appear water carefully but not in too great a quantity.

When through blooming, water should gradually be withheld until the tops are dry, then store away in a cool place safe from frost until season arrives for starting them again.

	EACH.	PER DOZ.
Atamasco Rosea , these are very ornamental.....	5	\$0 50
Belladonna Major , trumpet shaped, dark rose and white.....	25	2 50
Equestris , brilliant orange-scarlet, with white throat, fine.....	15	1 50
Formosissima , velvety crimson.....	10	1 00
Johnsonii , crimson, striped with white.....	25	2 50



AMARYLLIS JOHNSONII.

in a five-inch pot is enough; water and set away in a cool place until the roots are well started, then bring to the light.

ANEMONES.

The brilliant flowering Anemones should occupy a place in every garden. The tubers should be planted about two inches deep. Before cold weather sets in cover with a frame or a good bed of leaves and light manure, and lay boards over to keep out the frost. For pot culture, use light, rich soil, and give good drainage; four tubers



ANEMONES.

	EACH.	PER DOZ.
Double Scarlet , rich dazzling scarlet.....	4	35
Double Mixed , extremely handsome double flowered varieties.....	3	30
Single White , pure white, fine.....	3	25
Single Scarlet , rich scarlet, very beautiful.....	3	25
Single Mixed , in great variety of color.....	3	25

Try our EL PASO SHEEP MANURE. The Cheapest, Best and Safest Fertilizer. Give it a trial and be convinced.

Allium Neapolitanum.

An excellent variety for Winter flowering, now extensively forced by florists for cut flowers, being of pure white with green stamens, borne in large loose umbels. Height, 15 to 18 inches.
3 cts. each; 25 cts. per doz.; \$1.25 per 100

BABIANA.

Showy flowers, in form somewhat between an *Ixia* and a *Gladiolus*. Same treatment as *Ixias*.....5 cts. each; 50 cts. per dozen.

CALLA LILIES. (Richardia).

An old favorite, and too well known to need any description, the only requisite for successful culture are rich soil and plenty of water when growing. By allowing them to rest through the summer an abundance of bloom may be had the following winter.

White Calla or Lily of the Nile. This old favorite is too well known to require any description.

- Monster Bulbs.....25c each; \$2.50 doz.
- Extra Large Bulbs.....20c each; \$2.00 doz.
- Large Bulbs.....15c each; \$1.50 doz.

Black Calla (Arum Sanctum). Flowers very large, of same shape as the ordinary Calla, but from 12 to 15 inches long and 4 inches broad, of a rich dark purple on upper side, and green on underside. The leaves are large and very wavy, of a rich dark green color, veined lighter.....15c each; \$1.50 doz.

Fragrance Calla. In the new Calla Fragrance, a seedling of Little Gem, we have not only a most charming flower, produced in a profusion never before equaled, and a week or two earlier, but also with a genuine, sweet, lasting fragrance. The plants are of medium size (15 to 18 inches high), compact in growth and multiply with great rapidity, growing and blooming profusely under any ordinary treatment.....Small bulbs, 15c each; \$1.50 doz.



Lemon Giant Calla. Rich lemon-yellow flower. White spotted leaves. Choice and rare.....\$1.00 each; \$10.00 per dozen.

Little Gem Calla. This little pigmy rarely exceeds twelve inches in height, and blooms most abundantly. The flowers are not more than half the size of the common variety, and therefore can be used with telling effect in bouquets.....15c each; \$1.50 doz.

Spotted Leaf Calla (Richardia Alba Maculata). This plant is always ornamental, even when not in flower, the dark green leaves being beautifully spotted with white. In addition to its usefulness as a pot plant it makes a fine thing for planting in the garden in the summer, being very effective.....15c each; \$1.50 per doz.

Yellow Calla (Richardia Hastata). This is identical in all respects to the well known White Calla, excepting that the flowers are of light yellow.....40c each; \$4.00 per doz.



Dwarf Calla.

CHIONODOXA. (Glory of the Snow).

Hardy, early flowering bulbs, with spikes of beautiful blue flowers, with pure white center. The flowers and spikes are more than twice the size of the *Scilla Siberica*, and require the same culture.

Chionodoxa Luciliae. Blue, white eye.....3c each; 25c per doz.; \$1.25 per 100

Colchicum Autumnalis.

Handsome hardy plants, very showy and effective in clumps, producing fine clusters of very large beautiful flowers in September or October, followed by the foliage the next spring.

Finest Mixed.....10c each; \$1.00 per dozen.

Cyclamen Persicum Giganteum.

One of the most beautiful and best adapted plants for Winter blooming in the house or greenhouse; grows readily and flowers freely for a long period; the foliage being handsomely mottled, is very ornamental. The bulbs should be planted in a compost of loam, leaf-mould and sand, about half covered, leaving the crown or top of the bulb clear; give a little water and keep in the shade until the leaves are well grown. Then, with plenty of light, air and temperature of about 60 degrees, they may be grown to perfection. Good drainage is essential. After flowering, the pots should be plunged in a shady, sheltered place until October, when they should be repotted.

Finest Mixed Varieties.....25c each; \$2.00 per dozen.



Cyclamen Giganteum.

Our "SUBURBAN" LAWN GRASS SEED is the finest on the market. Fall sowing gives best results.

CROCUS.



CROCUS.

Crocus should be planted in October or November. Set the bulbs two inches apart, and cover with not more than two inches of earth. They are admirably suited for cultivation in pots, shallow bowls, window-boxes, etc., and when so grown the roots should be planted closely together to produce a good effect. For growing in the house, the named varieties are strongly recommended, the flowers produced being larger and more perfect.

These Prices Include Postage. Customers purchasing Crocus at our counters, or who wish to pay their own express charges, may deduct 5c per dozen, and 10c per 100.

	PER DOZ.	PER 100.
Large White.....	12	60
Large Yellow.....	15	70
Medium Yellow.....	12	60
Large Blue and Purple.....	12	60
Striped and Variegated.....	12	60
Mixed. All colors.....	12	50

Hybrid Named Crocus.

These are composed of all the best and most beautiful varieties, and are very remarkable for richness of color and the immense size of their flowers. Though, of course, higher in price than the ordinary Crocus, they are yet inexpensive. These varieties are best to use in forming letters or designs on the lawn and for pot culture.

PER DOZ. PER 100.

Albion, striped blue and white, fine.....	15	\$0 85
Baron Brunow, extra large, bright purple.....	15	85
Cloth of Gold, yellow, with brown stripe.....	15	60
Cloth of Silver, white, striped with lilac.....	15	60
Garibaldi, rich dark purple, extra large.....	15	85
Grande Vedette, blue, large flower.....	15	85
Grootvorst, pure white, large flower, extra fine.....	15	85
King of the Blues, dark purple, extra fine.....	15	85
La Majestueuse, white, striped blue.....	15	85
Mammoth White, extra large flower.....	15	85
Mammoth Yellow, golden yellow.....	15	85
Mont Blanc, fine large pure white, splendid.....	15	85
Non Plus Ultra, blue, with white border.....	15	85
Sir Walter Scott, blue and white striped.....	15	85
Victoria, fine pure white.....	15	85
Named Varieties Mixed.....	15	75



FREESIA

FREESIA.

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

Refracta Alba, Mammoth Bulbs.....	25c per doz.; \$1.50 per 100.
Refracta Alba, Large Bulbs.....	20c per doz.; 1.00 per 100.

IXIAS.

These are among the most graceful and beautiful winter-flowering bulbs. The colors are rich and varied, the center differing in color from other parts of the flower. Plant twelve bulbs in a six-inch pot, and set in a cool place, water sparingly until some growth is made, then remove to warmer quarters to bloom.

Mixed Varieties. All colors.....3c each; 20c per doz.

IRIS.

The flowers are very handsome and rich in color, flowering in great profusion in June and July. They will grow in any good garden soil, and improve each year by not being disturbed. Plant early in the Fall.

	EACH.	PER DOZ.
English Iris, extra mixed varieties.....	3	25
Hispanica (Spanish Iris), choice mixed, fine for forcing.....	3	20
Persica, dwarf, early flowering, hardy, fragrant, and fine for forcing; blue, white, purple and yellow.....	5	50



IXIAS.

LILIES.



LILIUM AURATUM.

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 prominently out from all other hardy plants, and no herbaceous border, however select, should be without a few of its best sort. With a well-selected collection, Lilliums 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 filed with root 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 can not be filled before November, excepting for Candidum, Harrisii and Longiflorum, which are ready August 1.

AURATUM (The Golden Rayed Lily of Japan). The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. May be grown in pots same as Lillium Harrisii.

Extra Strong Bulbs 25c each; \$2.50 per doz.
Large Bulbs 15c each; 1.50 per doz.

Candidum. A well-known hardy garden lily—snow white, fragrant blossoms. One of the best varieties for forcing. May be grown in pots same as Lillium Harrisii.

Extra Strong Bulbs 15c each; \$1.50 per doz.
Large Bulbs 10c each; 1.00 per doz.

HARRISII ("Bermuda Easter Lily"). This splendid Lily is undoubtedly one of the best for house culture, as it comes quickly into bloom and flowers freely. The flowers are trumpet shaped, pure waxy white and delightfully fragrant. They will keep ten or twelve days, if cut when partially open. Bulbs should be potted in a rich soil, using a five to eight inch pot, according to the size of bulb, and the pots plunged in a cold frame or kept in a dark, cold place, to get a strong root growth before the top starts; when well rooted they may be brought into gentle heat and forced into bloom. By bringing them in at intervals a succession of bloom may be had throughout the winter.

	EACH.	PER DOZ.	PER 100.
Mammoth Bulbs	30	\$3 25	\$25 00
Extra Large Bulbs	20	2 00	12 50
Large Bulbs	10	1 00	6 00

LONGIFLORUM. Snow white, fragrant, trumpet shaped Lily, differing from L. Harrisii in being of shorter growth, blooming later and having smaller flowers, but of more substance and lasting longer in bloom. It is more largely grown for Easter than any other variety, and being hardy, is one of the best sort for garden culture. Treatment same as recommended for L. Harrisii.

	EACH.	PER DOZ.	PER 100.
Mammoth Bulbs	20	\$2 00	\$12 00
Extra Large Bulbs	15	1 25	8 00
Large Bulbs	10	1 00	6 00

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.

"Album, pure white, very fragrant. 25c each; \$2.50 per doz.

"Roseum, white, suffused and spotted with rose. 15c each; \$1.50 per doz.

"Rubrum, white, suffused and spotted with crimson. 15c each; \$1.50 per doz.

TIGRINUM (Tiger Lily). Orange salmon, spotted with black. 10c each; \$1.00 per doz.

TIGRINUM FLORA PLENO (Double Tiger Lily). This is a plant of stately habit, bearing an immense number of double, bright orange red flowers, spotted with black, three to five feet. August.....15c each; \$1.50 per doz.



LILIUM HARRISII.

LEUCOJUM (Spring Snowflake).

Resembles the Snowdrop, but much larger, and blooms a month later. Hardy.

Æstivum (Summer Snowflake), white flowers with green spots. 5c each; 40c per dozen
Vernum (Large Snowflake), white flowers, green spot on tip of each petal. 3c each; 30c per dozen

LILY OF THE VALLEY.

Plant in a shady place where they will not be disturbed for several years. For Winter blooming they can be potted—six in a four-inch pot, and placed in a cool place till needed for blooming, then bring them out to the light and warmth, and give plenty of water.

Berlin Pips. Selected.....30c doz.; \$1.75 per 100.

MONTBRETIA CROCOSMIFLORA.

This is one of the most floriferous and showy of summer flowering plants, and destined to great popularity. Planted six inches apart in a group in a sunny position, and allowed to remain undisturbed for several years, they form magnificent clumps, producing in great numbers, graceful spikes bearing from 18 to 30 showy star-shaped flowers of orange suffused with red. They flower freely the first season.

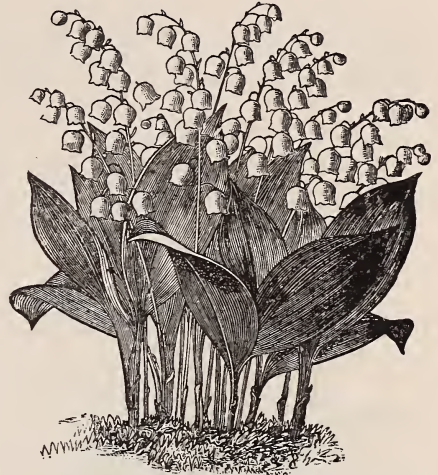
5c each; 40c per dozen; \$2.50 per 100.

ORNITHOGALUM ARABICUM.

(Arabian Star of Bethlehem).

A beautiful variety, throwing up a tall spike bearing numerous large, milk-white, star-shaped flowers, with a black center, and have a distinct aromatic perfume. They are decidedly pretty and interesting when grown in the garden—but are more largely grown for greenhouse and window decoration, being of the easiest culture.

5c each; 40c per dozen; \$2.50 per 100.



LILY OF THE VALLEY.

OXALIS.

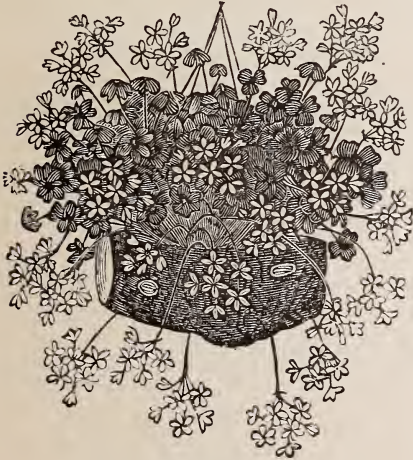
A very pretty variety of plants, adapted for hanging-pots, vases and baskets; they make admirable window plants, as they flower freely. Water frequently while growing.

	EACH.	PER DOZ.
Alba , pure white, free flowering, very pretty.....	3	\$0 25
Bowei , bright crimson	3	25
Buttercup , large, free flowering sort, of a bright buttercup yellow; plant robust and profuse bloomer....	3	30
Cernua , fine yellow, one of the best.....	3	25
Deppii , bright crimson	3	25
Hirta Rosea , deep rose, small foliage.....	3	25
Versicolor , rose and white	3	25
Choicest Mixed , all colors	3	20

RANUNCULUS.

Handsome flowers of fine form, very brilliant and attractive colors. They require a little heavier soil and more moisture than Anemones, otherwise treated the same. They are very readily grown.

French, finest double mixed, large flowered.....3c each; 25c per doz.
Persian, finest double mixed.....3c each; 25c per doz.
Turban, finest double mixed.....3c each; 25c per doz.



OXALIS.

SNOWDROPS.



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

Double.....30c per doz.; \$2.00 per 100
Single.....20c per doz.; \$1.50 per 100



SNOWDROPS.

No Collection complete without the Chinese Lily. See Page 7.

SCILLA.

Very early flowering bulbs, doing well in ordinary soil, producing fine, graceful spikes of bell-shaped flowers. Very showy and attractive as pot plants, and require about the same treatment as Hyacinths.
Siberica, a perfect gem, with flowers of richest blue, dwarf and hardy, excellent planted with Crocus and Snowdrops. 3c each; 25c per dozen; \$1.25 per 100

SPARAXIS.

One of the most graceful and beautiful half-hardy bulbs, with large, handsome flowers of the brightest colors and shades, and are fine for growing in pots. They are closely allied to the Ixia, and require the same treatment.
Finest Mixed..... 3c each; 25c per dozen; \$1.00 per 100

SPIRÆA OR ASTILBE.

Japonica. Ready in November. This beautiful plant produces in abundance dense sprays of small white flowers on neat, erect stems. Its beautiful fern-like foliage, combined with its graceful flower heads, makes it one of the best winter forcing plants for window or greenhouse. It is also a beautiful object in the garden, being perfectly hardy. By florists and gardeners it is grown in vast quantities for cutting, etc. 10c each; \$1.00 per doz.; \$6.00 per 100

Japonica Multiflora. New Large Flowering. The most beautiful of all the set. The flowers are very large, of the purest white, and stand well above the foliage in charming, airy sprays. Perfectly hardy, and unsurpassed for forcing. 12c each; \$1.25 per doz.; \$8.00 per 100

Astilboides Floribunda. This new variety is a great improvement over Spiræa Japonica. The flowers are borne in large, feathery panicles of purest white, and last a long time in bloom. It is dwarfier in habit, earlier and more profuse in bloom. 12c each; \$1.25 per doz.; \$8.00 per 100

Spiræas can only be sent by express or freight.

TRITELEIA.

A perfect little gem for either pot culture or the open border. It grows well in almost any soil, each bulb producing a number of star-shaped flowers of good substance. Half a dozen bulbs should be planted in a four or five-inch pot. In the garden a good covering with litter is necessary.

Uniflora, white, with blue tint.3c each; 20c per doz.; \$1.25 per 100

TROPÆOLUM.

These old favorites are very beautiful when well grown. As climbers for window or conservatory they are charming.

Tricolor, orange, red and purple.....15c each



SPIRÆA JAPONICA.

PREMIER COLLECTIONS OF BULBS.

We have made a special effort this season in selecting a number of the very choicest bulbs, and are confident our collections will give universal satisfaction. We have had the several varieties grown specially for us, and we can not substitute.

No. 1 Collection of 40 choice bulbs for house culture for \$1.00; regular catalogue price, \$1.50.

- | | | |
|---------------------------|------------------------|------------------------------|
| 3 Hyacinths, Roman. | 3 Tulips. | 4 Sparaxis. |
| 3 Hyacinths, Dutch. | 3 Jonquils. | 3 Scilla Siberica. |
| 3 Narcissus, Paper White. | 3 Allium Neapolitanum. | 1 Liliium Harrisii. |
| 6 Freesia Refracta Alba. | 6 Crocus, Mixed. | 1 Calla Lilly. |
| | | 1 Calla Lilly, Spotted Leaf. |

No. 2 Collection of 40 choice bulbs for outside planting for \$1.00; regular catalogue price, \$1.50.

- | | | |
|----------------------|----------------------|----------------------|
| 3 Hyacinths. | 3 Narcissus, Double. | 6 Scilla Siberica. |
| 3 Tulips, Single. | 6 Crocus, Mixed. | 6 Snowdrops. |
| 3 Tulips, Double. | 3 Iris, English. | 1 Hardy Easter Lily. |
| 3 Narcissus, Single. | 3 Iris, Spanish. | |

EXPRESS OR POSTAGE PAID.

PREMIUMS AND OFFERS TO CLUBS.

To induce our patrons to form Clubs to purchase bulbs in quantities, we will offer the following liberal discounts on bulbs:

On \$1.00 Order may select Bulbs to the Amount of \$1.10	On \$6.00 Order may select Bulbs to the Amount of \$6.90
“ 2.00 “ “ “ “ “ “ “ “ 2.25	“ 7.00 “ “ “ “ “ “ “ “ 8.05
“ 3.00 “ “ “ “ “ “ “ “ 3.45	“ 8.00 “ “ “ “ “ “ “ “ 9.20
“ 4.00 “ “ “ “ “ “ “ “ 4.60	“ 9.00 “ “ “ “ “ “ “ “ 10.35
“ 5.00 “ “ “ “ “ “ “ “ 5.75	“ 10.00 “ “ “ “ “ “ “ “ 11.50

THE ABOVE PREMIUMS CANNOT BE ALLOWED ON ANY COLLECTION OF BULBS.

FLOWER SEEDS FOR FALL AND WINTER SOWING.

Abutilon. —(Chinese Bell Flower). Finest mixture.....	10	cts.	pkt.	
Achillea. —The Pearl. Pure white double flowers. Excellent cemetery plant. Hardy perennial.....	10	cts.	pkt.	
Alyssum. —Sweet. Flowers pure white.....	30	cts. per oz.,	5	cts. pkt.
“ Little Gem. Dwarf compact habit; pure white flowers.....	40	cts. per oz.,	5	cts. pkt.
“ Saxatile Compactum. Showy, golden yellow flowers. Hardy perennial.....	5	cts.	pkt.	
Antirrhinum. —(Snapdragon). Dwarf. Finest mixed.....	5	cts.	pkt.	
“ “ Tall. Finest mixed.....	5	cts.	pkt.	
Aquilegia. —(Columbine). Double. Choicest mixed.....	5	cts.	pkt.	
“ “ Single. Choicest mixed.....	5	cts.	pkt.	
Bellis. —(Double Daisy). Giant Rose. Extra fine.....	10	cts.	pkt.	
“ “ Giant White. Fine for cutting.....	10	cts.	pkt.	
“ “ Giant Double Mixed. Extra fine.....	10	cts.	pkt.	
Calceolaria Hybrida Grandiflora. —Large flowers of fine form and substance; rich colors beautifully spotted and marbled. The finest strain in cultivation.....	25	cts.	pkt.	
Campanula. —Single. Finest mixed. All colors.....	5	cts.	pkt.	
“ Double. Finest mixed. All colors.....	5	cts.	pkt.	
Candytuft. —Empress. Large trusses of pure white flowers; fine florists variety.....	40	cts. per oz.,	5	cts. pkt.
“ White Rocket. Pure white large truss.....	20	cts. per oz.,	5	cts. pkt.
Carnation. —Extra Choice Mixed. From the finest named varieties.....	25	cts.	pkt.	
“ Chabauds Giants. Improved large flowering class of finest colors.....	25	cts.	pkt.	
“ Marguerite. Finest mixed; excellent for cutting.....	10	cts.	pkt.	
Cineraria Hybrida Grandiflora. —Finest large flowering exhibition varieties, embracing the richest and most varied, showy and attractive colors. Saved from the finest strain in the world.....	25	cts.	pkt.	
Coreopsis Lanceolata Grandiflora. —Bright golden yellow flowers on long stems; excellent for cutting. Hardy perennial.....	10	cts.	pkt.	
Cyclamen Giganteum. —One of the most beautiful Winter and Spring blooming plants for conservatory or parlor culture.....	25	cts.	pkt.	
Dianthus Plumarius. —Double large flowering. Finest mixed colors.....	10	cts.	pkt.	
“ Oriental Beauties. —A magnificent strain of hardy pinks.....	20	cts.	pkt.	
Digitalis. —(Foxglove). A splendid strain. Finest mixed.....	5	cts.	pkt.	
Gaillardia. —James Kelway. Dazzling crimson scarlet with narrow gold edge. Hardy perennial.....	10	cts.	pkt.	
Hollyhock. —Chater's Prize Mixed. The finest strain grown.....	10	cts.	pkt.	
“ Mammoth Fringed Allegheny. Extra fine new strain.....	20	cts.	pkt.	
Mignonette. —Allen's Defiance. Enormous spikes, with individual florets of immense size.....	10	cts.	pkt.	
“ Machet. Dwarf pyramidal growth; large spikes; well adapted for pot culture.....	10	cts.	pkt.	
“ Miles' Spiral. Dwarf branching habit; large spikes; excellent for market purposes.....	5	cts.	pkt.	
Myosotis (Forget-me-Not) Alpestris Victoria. —Large, bright azure blue flowers; very fine.....	10	cts.	pkt.	
“ Dissitiflora. Compact habit; profuse bloomer; exquisite blue; an attractive spring bedding plant.....	10	cts.	pkt.	
“ Palustris Semperflorens. A charming dwarf "Forget-me-not," continuing to bloom from early Spring until Autumn. Blue.....	10	cts.	pkt.	
Pansy—McCullough's "Premier." This new strain is saved from the finest flowers of one of the best collections of Pansies in the world. The plants are compact and of robust growth. Florists and amateurs desiring charming "show" flowers should not neglect this strain, as it is the result of many years' careful selection and hybridization.....	25	cts.	pkt.	
“ McCullough's Ne Plus Ultra. A magnificent strain of fine varieties, producing large, handsome flowers of great substance and variety of coloring.....	15	cts.	pkt.	
“ Extra Choice Fancy Mixed. This superb strain produces flowers of all shades and markings, embracing some very fine novelties.....	10	cts.	pkt.	
Petunia. —Double. Grandiflora Mixed. Choice strains of fine colors and large flowers.....	25	cts.	pkt.	
“ Single. McCullough's Mammoth. The finest mixture procurable.....	20	cts.	pkt.	
Primula Chinensis Fimbriata. Alba Magnifica. —Pure white; beautifully fringed.....	25	cts.	pkt.	
“ Chiswick Red. Large, brilliant scarlet; finely fringed.....	25	cts.	pkt.	
Primula Chinensis Fimbriata. —Finest mixed. All colors.....	25	cts.	pkt.	
“ Forbesi. —(Baby Primrose). Rosy lilac flowers; fine for pots and bouquets.....	20	cts.	pkt.	
“ Obconica Grandiflora Hybrida. —Improved large flowered strain. Extra fine.....	15	cts.	pkt.	
“ Obconica Grandiflora Fimbriata. —Large flowers with finely fringed and toothed petals; a beautiful pot plant.....	20	cts.	pkt.	
Smilax. —One of the best decorative climbing plants.....	15	cts.	pkt.	
Stock—McCullough's Cincinnati Market. —A grand variety producing one long sturdy spike closely set with enormous double white flowers. A fine forcer.....	10	cts.	pkt.	
Stock—Princess Alice. —(Cut and Come Again). Pure white; one of the earliest. It throws out numerous side branches, bearing clusters of fragrant blossoms. Excellent for cutting.....	10	cts.	pkt.	
Verbena—Mammoth. Finest mixed. A fine strain of beautiful colors and shades.....	10	cts.	pkt.	
Vinca—Rosea. Rose with dark eye.....	10	cts.	pkt.	
“ Alba. White with crimson eye.....	10	cts.	pkt.	
“ Alba Pura. Beautiful pure white.....	10	cts.	pkt.	
“ Finest Mixed. All colors.....	10	cts.	pkt.	



For other varieties of seed, etc., see our Spring Catalogue. If you have misplaced the Catalogue we sent to you in the Spring, or if you have not received one, please notify us and we will forward one by return mail.

PALMS, FERNS, ARAUCARIAS, Etc.

We call special attention to our stock of Palms, Ferns, Araucarias, Ficus, Pandanus, etc., which is the largest and most complete in the West. We have a full line of sizes, and can offer special inducements on FINE SPECIMEN PLANTS. Whenever possible, we solicit a personal inspection of our stock either at

NURSERIES OF THE McCULLOUGH SEED CO., McCULLOUGH STATION, PLEASANT RIDGE, OHIO, C. L. & N. R. R., OR AT OUR STORE, 316 and 318 WALNUT STREET, CINCINNATI, OHIO.

Our rapidly increasing trade in DECORATIVE PLANTS has compelled us to erect another greenhouse devoted specially to this class of stock.

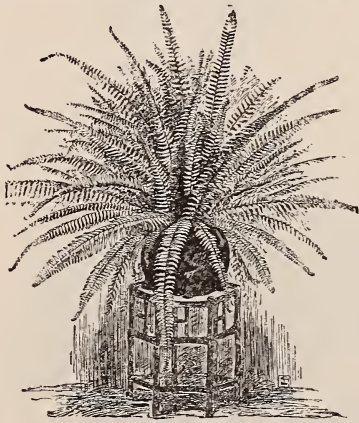
- Areca Lutescens.** One of the most graceful and beautiful Palms grown; the foliage is is of a bright glossy green, with rich golden yellow stems.....\$1.00 to \$5.00
- Cocos Weddelliana.** An elegant and graceful small Palm. Its slender erect stem is freely furnished with gracefully arching leaves. The Cocos are admirable for Fern dishes, as they are of slow growth and maintain their beauty for a long time. 50c to \$5.00
- Cycas Revoluta (Sago Palm).** A valuable decorative plant, both for house and lawn. Their heavy, glossy, deep green fronds resist alike the gas, dust and cold, to which decorative Plants are frequently exposed.....\$1.00 to \$10.00
- Kentia Belmoriana.** One of the hardest and best Palms for growing in a house. They are of slow growth and not affected by the dry atmosphere, of dwarf spreading habit.....\$1.00 to \$7.50
- Kentia Fosteriana.** Similar to Belmoriana, with stronger growth and broader, heavier foliage.....\$1.00 to \$5.00
- Latania Borbonica (Chinese Fan Palm).** A very popular and hard variety. 50c to \$7.50
- Livistonia Rotundifolia** One of the prettiest Palms, especially suited for table decoration. The foliage is gracefully recurved, forming an almost globular plant. \$1.50 to \$5.00
- Phoenix Reclinata.** A strong growing form of the Date Palm, with dark green, glossy foliage; a most desirable variety.....\$1.00 to \$4.00
- Combination Palms.** Many prefer this class of plant. The center plant is tall, with three small plants around it, the whole forming a handsome bushy specimen. \$4.00 to \$15.00



Kentia Belmoriana.

FERNS.

Underrated we give a description of a few of the leading varieties of Ferns, but can supply other sorts of merit at low prices.



Boston Fern.

- Adiantum Cuneatum.** The popular Maiden Hair Fern.....50c to \$1.00
- Adiantum Farleyense.** This is the finest of all the Maiden Hair varieties. 50c to \$3.00
- Davillia Stricta.** One of the finest Ferns, whether for growing as a decorative plant in the room or planting out; the fronds are of strong texture and of a beautiful shade of green.....25c to 50c
- Nephrolepis Bostoniensis (Boston Fern).** In the vicinity of Boston no other plant is used so extensively as this graceful Nephrolepis, which differs from the ordinary Fern in having much longer fronds, which frequently attain a length of four feet. These fronds arch and droop over very gracefully, on account of which it is frequently called the Fountain Fern. This drooping habit makes it an excellent plant to grow as a single specimen on a table or pedestal.....50c to \$2.50
- Nephrolepis Cordata Compacta.** A fine variety of strong-growing, compact habit. The fronds are of a dark green color, very rich and of upright growth, with just sufficient arch in them to make them graceful. 50c to \$2.00
- Nephrolepis Davaloides Furcans.** A beautiful and distinct crested variety. The fronds terminating in a branching crest of finely cut and divided growths; a most desirable variety.....50c to \$2.00
- Onoclea Germanica (Ostrich Fern).** A handsome hardy fern. Thrives best in a good, strong, loamy soil, and are suitable for the out-door Fernery Rockwork, etc.....15c to 25c
- Pteris Tremula.** One of the finest Ferns for house decoration, growing very rapidly and throwing up large, handsome fronds; makes magnificent specimens; easily grown and very popular.....25c to 50c

WE HAVE A FEW HANDSOME SPECIMEN PLANTS OF NEPHROLEPIS IN HANGING BASKETS, \$3.50 TO \$5.00.

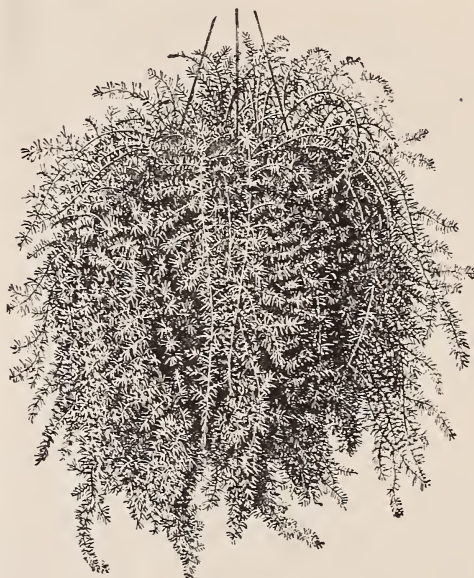
- Alocasia Illustris.** An excellent plant to grow in connection with fancy-leaved Caladiums, or for planting in the open border in a partly shaded position. The foliage is large, of a dark green, clouded with a velvety blue-black.....25c each, \$2.50 per doz
- Araucaria Excelsa.** The most popular of all tender evergreens, is becoming a greater favorite every season. As a decorative plant for the house, this is one of the handsomest and most serviceable.....\$1.50 to \$4.00
- Araucaria Excelsa Glauca.** An exceptionally valuable variety; a compact grower. The fronds are longer, broader, and heavier than those of Excelsa, and are of a bluish green color, which, under the proper conditions, has a silvery, glaucous tint. \$2.00 to \$7.50
- Araucaria Robusta Compacta.** The finest of all the Araucaria. Foliage very dense, heavy and compact, much more beautiful and desirable than Excelsa.....\$2.00 to \$7.50



Araucaria Robusta Compacta.

PALMS, FERNS, Etc.—CONTINUED.

- Asparagus Sprengeri.** A beautiful new variety of this graceful class of plants, especially useful to grow as a pot plant for house decoration, or for planting in hanging baskets, where it makes a graceful drooping plant with branches or fronds four to five feet in length, of a rich shade of green.
30c to \$5.00
- Clerodendron Balfouri.** A rapid growing climber of great beauty. It can also be trained in bush form. A very profuse bloomer; its bright scarlet flowers are enveloped in a creamy calyx. The trusses or panicles of flowers are upwards of six inches in length, and when trained upon trellises have a rich and elegant appearance.....25c to \$1.00
- Cyperus Alternifolius (Umbrella Plant).** An excellent pot plant, thrives in any good soil, and always presents a green and attractive appearance.....25c to 50c
- Dracæna Fragrans.** One of the most admired of decorative plants, with beautiful deep green leaves.....\$1.00 to \$2.50
- Dracæna Terminalis.** Rich crimson foliage, marked with pink and white.....50c to \$1.00
- Ficus Elastica.** The well-known India Rubber Tree, one of the best for table or parlor decoration. Its thick, leathery leaves enables it to stand excessive heat and dryness.
35c to \$2.00
- Pandanus Utilis (Screw Pine).** This is one of the most useful, ornamental foliage plants; excellent for the center of vases and baskets, or grown as a single specimen plant.
\$1.00 to \$10.00
- Pandanus Veitchi.** One of the most attractive decorative plants. The leaves are light green, beautifully marked with broad stripes of pure white, and gracefully curved.
\$1.00 to \$5.00
- Sansevieria Zealanica.** An elegant variegated plant, especially adapted for house decoration, the thick, leathery leaves standing the heat and dust of the house with impunity....25c



Asparagus Sprengeri.

FRUIT TREES, SMALL FRUITS, GRAPE VINES, ETC.

Select thrifty young trees in preference to old or very large ones; the roots are more tender and fibrous, and they bear transplanting better and far 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, "heel in" by digging a trench deep enough to admit all the roots, and setting the trees therein as they can stand, carefully packing 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.

APPLES.

We can furnish all varieties usually catalogued, but the following list comprises the most desirable sorts:

Standard.

Three years old, 6 to 7 feet high, 25c each, \$2.50 per doz.

Summer Varieties.

- Early Harvest.** Pale yellow, fine flavor; August.
- Golden Sweet.** Pale yellow, sweet and good; August.
- Keswick Codlin.** Large, pale yellow, pleasant; August.
- Sweet Bough.** Large, pale yellow, tender, sweet.
- Yellow Transparent.** Pale yellow, good quality.

Autumn Varieties.

- Fall Pippin.** Very large, yellow, rich, aromatic.
- Maiden's Blush.** Large, beautiful, blush cheek.
- Rambo.** Yellow, streaked with red; October to December.
- Red Beitigheimer.** Pale cream, covered with crimson.

Winter Varieties.

- Baldwin.** Large, dark red, productive.
- Ben Davis.** Large, handsome, striped; good quality.
- Golden Russett.** Medium, dull russet, crisp, juicy.
- Northern Spy.** Large, striped red; good keeper.
- Rawles' Janet.** Medium; yellow, striped with red, rich, crisp and juicy; a long keeper.
- Rome Beauty.** Large, yellow, shaded red; tender.
- Smiths' Cider.** Medium; tender and juicy; sub-acid.
- White Pippin.** Large, pale yellow; rich sub-acid.
- Wine Sap.** Medium; deep red; rich sub-acid.
- York Imperial.** Medium; yellow, shaded red; firm, juicy sub-acid. An excellent shipping apple.

CRAB APPLES.

5 to 7 feet, 25c each; \$2.50 per dozen.

- Hyslop.** Deep crimson, very popular on account of its large size, beauty and hardiness.
- Transeadant.** Skin yellow, striped with red.
- Whitney.** Large, glossy green, splashed carmine, firm, juicy; great bearer; excellent for cider.

PEARS.

6 to 7 feet, first-class, 50c each; \$5.00 per dozen.

- Bartlett.** Large, clear yellow, juicy August.
- Clapp's Favorite.** Large, juicy and rich. August to September.
- Flemish Beauty.** Large, juicy, rich and fine. September to October.
- Kieffer's Hybrid.** Large, rich color and good quality.
- Lawson.** Yellow, flushed with crimson, crisp and juicy.
- Lawrence.** Yellow, thickly dotted, fine flavor.
- Seckel.** Small, yellowish brown, one of the best.
- Tyson.** Large, yellow with brown cheek, sweet.
- Wilder.** Yellow with red cheek, fine quality.

PEACHES.

4 to 6 feet, 25c each; \$2.50 per dozen.

- Alexander.** Medium, greenish white, juicy, sweet.
- 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 cheek, freestone. Last of September.
- Elberta.** Large, yellow with red cheek; flesh yellow, firm, juicy, of high quality; very prolific.
- Fitzgerald.** Large, yellow, suffused with red; flesh, deep yellow; best quality; hardy and productive.
- Mountain Rose.** Large, handsome, red cheek; flesh white, juicy; one of the best; August.
- Old Mixon Free.** Large, yellow, with red cheek.
- Sneed.** The earliest variety. Medium size, creamy white, with light blush cheek; excellent quality.

FRUIT TREES, SMALL FRUITS, ETC.—CONTINUED.

CHERRIES. (Heart and Bigarreau).

- 5 to 7 feet, first-class, 50c each; \$5.00 per dozen.
Black Tartarian. Very large, 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.
Windsor. Large, liver colored, fine quality.

CHERRIES. (Duke and Morello).

- 4 to 6 feet, first-class, 40c each; \$3.50 per dozen.
Early Richmond. Medium, dark red, fine quality.
Empress Eugenie. Large, dark red, fine quality.
English Morello. Dark red, rich, acid, juicy and good.
May Duke. Large, red, an excellent variety.
Reine Hortense. Large, red, juicy and delicious.

PLUMS.

- On Plum Stocks, 5 to 7 feet, 50c each; \$5.00 doz.
Abundance. Large, yellow, with heavy bloom; good quality; very prolific.
Bradshaw. Large, dark red, flesh green, productive.
Geni. Large, purple, sweet, good market variety.
Lombard. Medium red, juicy, good, hardy and productive; the leading market variety.
Shipper's Pride. Large, purple, fine, juicy and sweet.
On Peach Stocks, 4 to 6 feet, 50c each; \$5.00 doz.
Damson. Small, oval fruit, purple, hardy, productive.
Weaver. Large, purple, very prolific.
Wild Goose. Medium, purple.

BLACKBERRIES.

50 cents per dozen; \$3.00 per hundred.

- Should be planted in rows six to seven feet apart, three to five feet in the rows. Keep the ground light and rich. Pinch the canes back when they have reach 4 feet in height.
Ancient Briton. Large fruit, stems loaded with good-sized berries of fine quality; vigorous grower; hardy.
Early Harvest. Very prolific; choice variety.
Eldorado. Large fruit, borne in large clusters, and ripen well together; fine quality; good keeper.
Snyder. Medium size, sweet and juicy; extremely hardy and very productive.

STRAWBERRIES.

Any ordinary soil will grow strawberries, though the richer it is made the larger the fruit. For garden culture, the most convenient method is to plant in beds four feet wide, three rows in each bed, and plants one foot apart in the row. A pathway two feet wide should be left between the beds, so that the fruit may be easily picked and the bed kept clean without stepping on them. Cover lightly in winter with corn stalks or some coarse litter; rake off in the spring, dress the beds, and mulch with litter or short grass from the lawn. All varieties offered in this list have perfect or bi-sexual blossoms, except those marked (P), which are destitute of stamens, and are termed pistillate or imperfect-flowering varieties, and must be planted near some perfect-flowering sort, or they will produce little or no fruit.

25 Cents Per Dozen; \$1.00 Per Hundred; \$7.50 Per Thousand.

- Brandywine.** Large, roundish conical; bright, glossy crimson; berries, firm and solid, excellent quality and fine flavor.
Bubach No. 5 (P). Very large and productive, bright scarlet; a fine market variety; early to medium.
Enhance. Large, bright crimson, firm, very prolific.
Gandy. Large, bright crimson, berries of uniform size; plants vigorous and healthy. The best late variety.
Greenville (P). Large, roundish berries of excellent quality; firm and good shipper; very productive.
Haverland (P). Large, bright red, excellent flavor; vigorous grower; ripens fruit evenly and early.

GRAPE

- Catawba.** A very late keeper; red, sweet and rich, with pleasant musky flavor.....15c each, \$1.25 doz.
Concord. One of the most profitable and productive of all hardy grapes. Bunch and berry large; black, juicy and sweet.....10c each, \$1.00 doz.
Delaware. Small, light red, skin thin, very juicy, sweet, sprightly, fine flavor.....15c each, \$1.50 doz.
Eaton. Bunch very large, skin black, sweet and juicy pulp.....50 cents each
Ives' Seedling. Dark purple, sweet, hardy.
 10c each, \$1.00 doz.
Martha (White Concord). Large, pale yellow; strongly resembles the Concord in all points except color.
 15c each, \$1.50 doz.

DEWBERRY.

- Lucretia.** One of the low-growing, trailing Blackberries. In earliness, size and quality, it equals any of the tall-growing sorts. It has proved highly satisfactory wherever tried, and many say it is the best of all the Blackberry family..... 50c per dozen, \$2.00 per 100

CURRANTS.

10 cents each; \$1.00 per dozen.

Set four feet apart, in rich ground. Cultivate well or mulch heavily; prune out old wood, so that each remaining shoot will have room to grow. Manure freely. Two-year-old plants.

- Black Champion.** Large bunch and berry, excellent quality, strong grower, very productive.
Cherry. Fruit large, bunch small, deep red, acid.
Fay's Prolific. Extra large stems and berries; color, rich red; fine quality; very productive.
Pomona. Bright red, extra fine quality and enormously productive; strong vigorous grower.
White Grape. Large, yellowish white, sweet, excellent quality and valuable for the table.

RASPBERRIES.

40 cents per dozen; \$2.00 per hundred.

The Raspberry should be planted in good, rich soil, in rows five feet apart and three feet apart in the rows. As soon as they have done bearing cut out the old wood to give more vigor to the young canes.

- Cuthbert.** Large, firm, deep rich crimson; of excellent quality, tall, strong and vigorous; perfectly hardy and very productive. Ripens medium to late.
Eureka. Large, black variety; fruit firm, of superior quality; strong, vigorous grower, and very prolific.
Golden Queen. Berries large, golden yellow, bright and firm, and of fine, rich flavor; vigorous, productive and healthy.
Gregg. A large, black variety; fruit firm, of excellent quality, and a good shipper.
Marlboro. Of large size; color, a bright crimson; very firm.

GOOSEBERRIES.

Plant three to four feet each way, manure well, and after fruit is gathered, prune out all old wood. Two-year-old.

- Downings.** Very large and fine quality.....\$1.25 doz.
Houghton. Medium size, very productive.....\$1.00 doz.
Smith's Improved. Large, thin skin; best for table use.....\$1.25 doz.
Industry. English sort, of very large size, hardy.....\$2.50 doz.

- Jessie.** Large, handsome berry, of good quality; vigorous grower; good market sort.

Marshall. Large, rich crimson, fine flavor. Plant very strong; with high culture produces heavy crops.

Oriole (P). Large, deep red, rich aromatic flavor, firm, and a good shipper; extra early; productive.

Parker Earle. Large, rich crimson, conical shape, excellent shipper; strong, vigorous grower; very productive; late variety.

Wm. Belt. Large, brilliant red, extra fine quality. The plant is vigorous and thrifty, and very productive.

VINES.

Moore's Early. Ripens ten days earlier than Concord; bunch and berry round and large; black, with a heavy blue bloom.....15c each, \$1.50 doz.

Niagara. Vine remarkably hardy and strong grower; bunches very large and compact; berries large, light greenish white, slightly ambered in the sun; skin thin but tough, and does not crack.....15c each, \$1.25 doz.

Pocklington. A seedling of the Concord, resembling that variety in leaf, vine, habit of growth, hardness and productiveness. Bunch and berry very large; attractive golden yellow color.....15c each, \$1.25 doz.

Prentiss. Bunch large and compact; berry, medium to large, or yellowish green color; skin thin but very firm; sweet, juicy, with a pleasant musky aroma.
 25c each, \$2.50 doz.

FERTILIZERS.

Bowker's Flower Food. It is free from odor, clean to handle, and, in addition to promoting a strong, healthy growth, and a profusion of bloom, it materially aids in keeping your plants free from vermin. The Flower Food will keep any length of time, is soluble in water and ready for the plant to take it up, thus producing a quicker and healthier growth than can be obtained from any other fertilizer. Directions for use on each package.

Large size, 25c. per pkt. By mail, 10c. per pkt. extra. Small size, 15c. per pkt.; 2 pkts. for 25c. If by mail, add 5c. per pkt. extra.

Sheep Manure—El Paso. This is a pure natural manure, and the most nutritious food for plants. Its effect is immediate, much more lasting and healthful than guano or any other manure. It is the best of all manures for mixing with the soil for greenhouse plants. It makes the richest, safest and quickest liquid manure, rivaling guano, without any deleterious effects. Nothing equals it for general use on flower beds, or for the vegetable garden. No other fertilizer produces such a marked and permanent effect upon lawns. No raking-off required. No seeds of foul weeds in it! No offensive odor! It is clean to handle! Absolutely safe to use in any quantity or in any manner.

Directions.—For lawns, use at the rate of from 300 to 500 pounds per acre. For pot plants, mix one part of sheep manure to six parts of soil. For use in the vegetable garden, spread over the surface and dig in. Being soluble, it readily makes a safe liquid manure (one pound to five gallons of water per day can be safely used).

Per lb. 10c.; 5 lbs. 25c.; 12 lbs. 50c.; 25 lbs. 75c.; 100 lbs. \$2.50

Suburban Lawn Fertilizer. Is clean, free from any disagreeable odor; and does not contain weed seeds. Especially prepared for use upon lawns, and contains all the constituents for promoting a quick luxuriant growth, and a rich green color. When making a new lawn apply from 300 to 400 lbs. per acre, raking well into the soil. 10c. lb., 25c. for 5 lbs., 50c. for 13 lbs., 75c. for 25 lbs., \$2.50 per 100 lbs., \$45.00 per ton.

Peruvian Guano. One of the most powerful stimulants for plants and growing crops. One pound of Guano to twenty gallons of water will be sufficiently strong for a

single watering each week, and more efficient than repeated waterings with weaker solutions.

Per lb., 10c.; 10 lbs., 75c.; 100 lbs., \$5.00

Bone Flour or Dust—Pure. This is a special brand we have put up for our trade. It is ground fine, hence acts quickly, free from acid, excellent for pot plants or beds where an immediate effect is wanted.

Per lb., 5c.; 10 lbs., 45c.; 100 lbs., \$3.00

Bone, Crushed or Coarse. This is largely used for pasture lands, being rather slow but permanent in action, and it is also indispensable in the grape-vine borders—for fruit trees, small fruit, etc.—where a lasting fertilizer is required.

Per lb., 5c.; 10 lbs., 45c.; 100 lbs., \$3.00

Pacific Guano. For several years we have been handling Pacific Guano, and the universal verdict from all who use it is, "It is the best fertilizer we have ever used."

Per lb., 10c.; 5 lbs., 25c.; 25 lbs., 75c.; 100 lbs., \$2.00; Barrel, 250 lbs., \$3.75; per ton, \$28.00.

Ammoniated Bone Meal with Potash. This is now the leading fertilizer, and is especially valuable for plants, potatoes and grain. 5 lbs., 25c.; 100 lbs., \$2.00; 200 lb. bag, \$3.00; per half ton, \$14.00; per ton, \$26.00.

Kainit. A natural product of the mines of Germany, containing nearly thirteen per cent pure Potash, also a large percentage of Magnesia, Sulphate of Lime and Salt. Mixed with stable manure, 1½ pounds per day for each animal, will double the value of the manure, by preventing the waste of Nitrogen—Ammonia. Use 50 to 200 lbs. per acre. Kainit is put up in 200-lb. bags only. Price per bag, \$2.25; 5 bags or more, \$2.00 per bag; per ton, \$19.00.

Mineral Phosphate. A highly concentrated phosphate, made from the deposits of the bones of sea animals. Contains from 38 to 43 per cent of available Phosphoric Acid. Use fifty to sixty pound per acre. Price \$3.00 per 100 lbs.

Nitrate of Soda. A natural product of the mines of Chili, South America. Contains sixteen per cent Nitrogen, equal to twenty per cent Ammonia. Use twenty to forty pounds per acre. 10 lbs., 50 cts.; 100 lbs., \$3.00.

INSECT DESTROYERS AND FUNGICIDES.

Copper Sulphate. For early spraying and making Bordeaux mixture. Per lb., 10c.; 10 lbs., 80c.; 100 lbs., \$7.50

Fir Tree Oil (Soluble). It frees plants of nearly all insects to which they are subject, and for the following it has no superior: Mealy Bug, Scale, Red Spider, Aphis (black and green), Thrip, Blight Worms and Slugs; also a valuable remedy for animal parasites and insects. Dilute with soft or rain water. Sprinkle or spray on with Vaporizer. ½ pint, 50c.; pint, 75c.; quart, \$1.25.

Fir Tree Oil Soap. This article contains no poison, yet is quite effective in destroying Red Spider, Mealy Bug, Aphis, etc. It can also be used in the garden against potato bugs, cabbage worms, currant worms, black fly, etc. ½-lb. tin, 25c.; 2-lb. tin, 75c.

Flour of Sulphur. Used to prevent and cure mildew on plants. 10c. lb.; 10 lbs., 60c.

Grape Dust. A non-poisonous powder for the remedy and control of mildew and rot on Grapes, Gooseberries, Roses, etc. Apply with bellows or powder gun.

Per lb., 10c.; 5 lbs., 40c.; 10 lbs., 70c.

Hellebore Powder White. For destruction of Slugs, Worms, Caterpillars, etc. Less poisonous than Paris Green and London Purple, and safer to use when fruits or vegetables are nearly ripe. ½ lb., 15c.; 1 lb., 25c.

Lime (Cone's Prepared). It is thoroughly slacked; will not heat, swell or change, and is ready for immediate use for all purposes, same as common lime. Stored in a dry place it will keep in good condition until used.

3-lb. pkt., 10 cts.; 3 pkts., 25c.

Paragrene. This new insecticide is made by one of the largest manufacturers of Pure Paris Green. It combines all the effective properties of Bordeaux Mixture and Paris Green. It does much better work than Paris Green, covers twice the ground at one-half the cost and does not injure the foliage. The safest and quickest insecticide for destroying insects on Melon, Squash, Currants, Gooseberries, and Potatoe Vines. ½ lb., 15c.; 1 lb., 25c.

Paris Green. Warranted strictly pure. ¼ lb., 10c.; ½ lb., 15c.; 1 lb., 25c.

Persian Insect Powder. A most effective non-poisonous impalpable powder—so fine that it penetrates the innermost crevices—for worms, flies, aphids, and almost all kind of insects. ¼ lb., 15c.; 1 lb., 50c.

Slug Shot. A non-poisonous powder and a very popular insecticide—it requires no further mixing or preparation—easily applied, and not injurious or dangerous to animals, the person applying it, or fruits and vegetables treated. Very effective in destroying Caterpillars, Currant, Gooseberries and Cabbage Worms, Potato, Melon, Squash and Cucumber Bugs, Rose Slugs, Rose Lice, etc.

Per lb., 10c.; 5 lbs., 30c.; 10 lbs., 50c.

Tobacco Dust (Pure). A sure remedy for green fly, aphids, fleas, beetles, etc. Splendid fertilizer and preventive for insects in the ground and around roots. For worms and grubs in the soil, apply liberally to the surface and rake in, or strew thickly in the drills before planting.

5 lbs., 25c.; 100 lbs., \$3.00

Tobacco Dust and Sulphur. Will prevent and cure mildew on grape vines and rose bushes. It will destroy the Green and Black Fly, Grubs, Cut Worms, Lice, Mealy Bug and the Red Spider. May be applied in powder or liquid form. If put on in powder, the foliage should be wet; if in liquid, the foliage should be dry.

Per lb., 10c.; 5 lbs., 30c.

Tobacco Soap, Pinner's. Manufactured from the essential oil of Tobacco, for the destruction of all insects, parasites and their eggs.

½ lb., 25c.; 1 lb., 40c.

Tobacco Stems. Used for fumigating plants to kill insects. Invaluable as a mulch for rose beds, lettuce beds, etc., where insects frequently do much injury to roots or foliage. Tobacco Stems have become an indispensable Lawn covering for winter. It not only acts as a protector, but imparts large quantities of ammonia, and drives away insects and moles, which harbor in a lawn during winter. The best quality stems supplied.

Per lb., 5c.; barrel, \$1.00; bales of about 125 lbs., \$1.50

Tobacco Extract Rose Leaf. A perfectly pure, highly concentrated extract of Tobacco, always uniform in strength of nicotine poison. Destroys green fly, mealy bug, thrip and red spider.

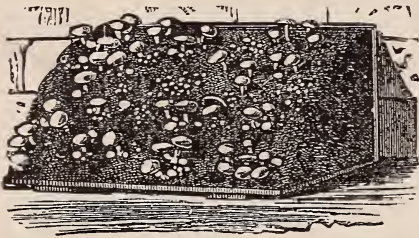
Pint, 30c.; quart, 50c.; gallon, \$1.50; 5 gallons, \$5.00

Whale Oil Soap. For destroying insects on plants, trees, vines, etc.; for washing down the bark of trees, grape vines, etc.

½ lb., 10c.; 1 lb., 15c.

MUSHROOM. (Champignon Brut, Ger.)

One pound will spawn about ten square feet. If ordered by mail, add eight cents per pound for postage.



To cultivate mushrooms successfully does not always require extensive experience. Some care is necessary, however, in the selection of the materials, and in forming the beds; but the matter of securing and maintaining the proper temperature in the room and in the beds needs close attention, for success depends very much upon this point. Mushrooms may be grown in a great variety of situations—a dark room, cellar, stable or elsewhere. Any place in which an even temperature of about 50° to 60° can be kept, is suitable. For material for the bed, use fresh horse manure, free from straw or chips, and good loamy soil. Some growers use the manure unmixed with loam, after first having well fermented it by alternately piling up and mixing for a few weeks; but it is undoubtedly better not to allow the manure to heat much before forming the bed. Use one-fourth to one-third loam, the rest manure. Mix very thoroughly; and upon a dry, firm bottom, make the bed of this mixture, about four feet wide, and of any desired length. Build it up evenly, pressing it down very firmly, and leave it about a foot high. It will shortly begin to heat. Use a thermometer to thrust into the bed and note the temperature. When the heat has partially subsided, leaving a temperature of 80°, put in the spawn. Pieces from the size of walnuts to that of eggs are placed in the bed about a foot apart, deep enough to cover them well, and the manure pressed down. Let it remain thus ten or twelve days; then cover with two inches of fresh loam, and make this moderately firm. The bed is finished by covering all with four or five inches of straw or other litter. Watering is not necessary, unless the surface of the bed gets very dry; in this event, moisten freely with water at a temperature of about 90°. In gathering the crop, do not cut, but twist them off carefully, filling up the holes with loam to keep insects from the roots. In six or eight weeks from spawning the beds, mushrooms should appear.

Our Celebrated English Milltrack Mushroom Spawn (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 on to produce a good crop of the best mushrooms. . . . 15c. per lb.; \$1.00 for 10 lbs.; \$9.00 per 100 lbs.
French Mushroom Spawn 35c. per lb.

“JADOO” FIBRE AND “JADOO” LIQUID.

Jadoo Fibre is a new growing substance for plants of all kinds. It was invented by Col. Thompson, of the Royal Army and Fellow of the Royal Horticultural Society of England, and it is highly recommended by gardening authorities there. It suits all kinds of plants; is only half as heavy as earth and cleaner to handle. It increases the size and brilliancy of flowers. Seeds germinate, and cuttings root in it, quicker than in earth. Owing to its spongy nature it retains water much longer than earth. Plants transplanted in Jadoo Fibre do not flag, even if in full bloom.

From experiments in our nursery we recommend mixing Jadoo Fibre with about 1/4 to 1/2 good loam to give best results.

Price, 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.10; per bag of about 125 lbs., \$2.00 per 100; per ton, \$30.00.

Jadoo Liquid revives drooping plants, increases the size and profusion of bloom. It is both meat and drink to plants of all kinds. It can be used on plants that are grown in earth or in Jadoo Fibre.

Price per pint bottle, 25c.; 2-gallon can \$1.50.

Peat Jersey. Fibrous and rotted. Per bushel, 75c.; per barrel \$2.50

Prepared Potting Soil. Per bushel, 50c.; per barrel, \$1.00

Sphagnum Moss. For packing and growing orchids, etc. Per lb., 10c.; per bale, \$1.50

Moss, Green Sheet. Per bale, 40c.



TRADE-MARK REGISTERED.

UNION CYPRESS FLOWER TUBS.

An excellent new tub, cheap, neat and durable. Made from 7/8-inch cypress, with iron handles, iron feet, three iron hoops, and two coats of green paint.

No. 1.	13 inches diameter,	11 inches high.	75
No. 2.	14 1/2 " "	13 " "	1 00
No. 3.	16 " "	15 " "	1 40
No. 4.	20 " "	18 " "	2 00
No. 5.	24 " "	21 " "	2 50

COLUMBIA FLOWER TUBS.

The tubs are made of the best pine lumber, which will keep for years without rotting. They are made of twelve staves in tapered shape, held together by two heavy steel wires, which are connected with substantial iron handles, and are so arranged that the wire can be tightened or loosened by simply turning nut on handle. The handle itself is so constructed that the tub can be lifted by hand, and in case the plants are heavy, sticks can be inserted in handle, thereby allowing all weights to be lifted with perfect safety.

12 inches diameter,	11 inches high.	\$1 00
15 " "	14 " "	1 50
18 " "	16 1/2 " "	2 00
21 " "	18 1/2 " "	2 50
24 " "	20 1/2 " "	3 00



HYACINTH GLASSES.

Hyacinth glasses can not be sent by mail.

Belgian or Tall. Claret, Blue Crystal and Amber colors.....	EACH.	PER DOZ.
Double Glasses. The best in use. Claret, Blue, Crystal and Amber colors.....	15c.	\$1 65
New English Glasses. Very ornamental.....	25c.	2 50
	30c.	3 00



FLOWER POTS AND SAUCERS.

Our Flower Pots and Saucers are standard make of extra fine finish, and bear shipping well. *No charge for packing.*

FLOWER POTS.

	EACH.	DOZ.	PER 100		EACH.	DOZ.	PER 100
2-inch.....	—	15c.	\$0 80	6-inch.....	5c.	\$ 55	\$4 00
2½ ".....	—	20c.	1 00	7 ".....	8c.	80	6 00
3 ".....	—	25c.	1 25	8 ".....	12c.	1 25	8 00
3½ ".....	—	25c.	1 50	9 ".....	15c.	1 50	12 00
4 ".....	5	30c.	1 75	10 ".....	20c.	2 25	
4½ ".....	5	40c.	2 50	12 ".....	40c.	4 50	

SAUCERS.

	EACH.	DOZ.	PER 100		EACH.	DOZ.	PER 100
4-inch.....	25c.	\$1 50		8-inch.....	7c.	\$ 60	\$4 50
5 ".....	30c.	2 00		9 ".....	10c.	75	5 50
6 ".....	5c.	40c.	2 50	10 ".....	10c.	90	
7 ".....	5c.	45c.	3 00	12 ".....	15c.	1 50	

ROUND LILY PANS.

These are the same style as our standard pots, but not so deep, and are suitable for Cacti, Begonias, Tulips, etc.

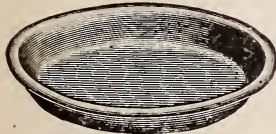
	EACH.	DOZ.		EACH.	DOZ.	
5-inch.....	5c.	\$0 50		10-inch.....	20c.	\$2 00
6 ".....	7c.	75		12 ".....	30c.	3 25
8 ".....	12c.	1 25				



FIBROTTA SAUCERS.

Made of Indurated Fibre; no moisture goes through to injure table, floor or carpet, light and not easily broken; far cheaper in the end and better every way than earthen ware.

SIZE.	EACH.	DOZ.	SIZE.	EACH.	DOZ.
4-inch.....	7c.	70c.	8-inch.....	10c.	\$0 90
5 ".....	7c.	75c.	10 ".....	10c.	1 10
6 ".....	8c.	80c.	12 ".....	12c.	1 80
7 ".....	8c.	85c.	14 ".....	20c.	1 80

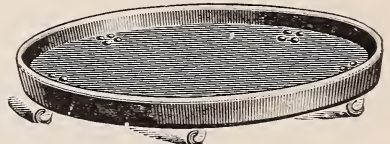


Fibrotta Saucers.

FIBROTTA ROLLING STANDS.

For heavy plants and Palms; will not soak or rust. Casters have ball bearings and have hardwood rollers. Every heavy plant sold needs one to save carpets and floors and to enable carpets and floors to be readily cleaned. The rolling stands all have heavy deep saucers, and will carry all the weight usually put in large pots for Palms, Rubber Plants, etc.

13 inches in diameter, 3 casters, 65c.	18 inches in diameter, 4 casters, \$1 00
14 " " " 3 " 75c. 20 " " 4 " 1 25	
16 " " " 4 " 90c. 22 " " 5 " 1 50	



Plant Truck.

FLORIST'S VASES FOR DISPLAYING CUT FLOWERS.

Made of indurated fibre; used now in immense quantities all over the country.

NO.	DIAM.	DEPTH.	EACH.	DOZ.	NO.	DIAM.	DEPTH.	EACH.	DOZ.
0	8 inches.	13 inches.	40c.	\$4 80	00	9 inch.	22 inches.	75c.	\$9 00
1	5½ "	10 "	35c.	4 20	11	5½ "	18 "	45c.	5 40
2	4½ "	9 "	30c.	3 60	22	4½ "	15 "	40c.	4 80
3	4 "	6 "	25c.	3 00	33	4 "	12 "	35c.	4 20
Florist's Vase.	4	3 "	20c.	2 40	44	3 "	9 "	30c.	3 60



Florist's Vase.

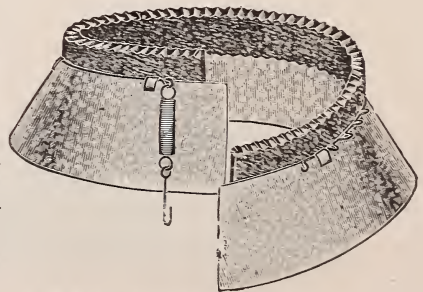
EXPANSIVE TREE PROTECTOR.

The protector consists of a felt band especially prepared and saturated with a substance which is absolutely noxious and repellent to insects, worms, and bugs of every description. The pad is fastened to a wire expansive spring, by means of which it is fastened around trees and is adjustable to any and all trees, permits the tree to grow and does not injure the bark.

To the pad and spring is attached an apron made of galvanized iron or other metal, the underside of which is covered with a sticky substance, inoculated with an insecticide that is sure death to all creeping things which invest a tree, so that if for any reason any insect, worm or bug should attempt to pass the band, a dead line is formed, and it is absolutely impossible for anything to pass it and reach the fruit and foliage.

THE EXPANSIVE TREE PROTECTOR has been tested and found to do what is claimed for it. It will retain its potency for months without re-stitution or any attention whatever.

The Protector should be placed on the trees at the earliest possible moment. The sooner the better the results, and the guarantee of a good crop of fruit as well as the life of the tree for next year assured.



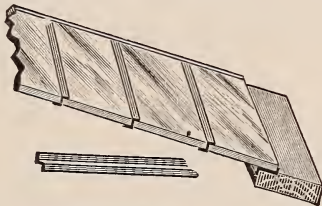
Expansive Tree Protector. (Patented Dec., 1899.)

IT PROTECTS IN THE WINTER AS WELL AS IN SUMMER, as heat or cold has no influence on it.

Price, 1½ to 2 feet, 20c.; 2½ to 3 feet, 25c.; 3½ to 4 feet, 30c.; 4½ to 5 feet, 35c.

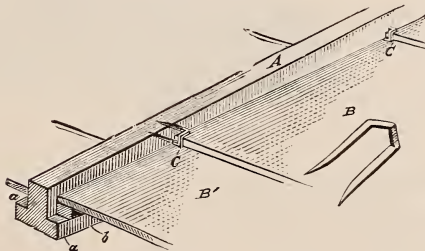
HORTICULTURAL TOOLS AND SUNDRIES.

BARROWS—Garden. No. 2, small.....	\$3 25
“ “ No. 3, medium.....	3 50
“ “ No. 4, large.....	4 00
“ Railroad. Patent wheel and bolted..	2 00
CANES. 7 to 9 feet long, for plant stakes, per 100....	75
DIBBLES. For transplanting plants.....	50
FORKS—Digging or Spading	90
“ Manure. Cast steel, oval, 4-tine.....	90
“ Hand-Weeding. 15 and 35c.; by mail 10c. each extra.	
“ Hand-Weeding. Imported. 50c.; by mail,	60
FRUIT PICKERS—Wire. No. 1, 25c.; No. 2.....	30
FUMIGATOR—Perfection. Made with water tank, which prevents over heating; the vapor assists in the destruction of insects.	
No. 1. Capacity 8 quarts.....	3 00
No. 2. Capacity 16 quarts.....	3 75
No. 3. Capacity 24 quarts.....	4 50
GARDEN REELS. Iron, painted.....	75
GARDEN LINES. About 200 feet.....	30



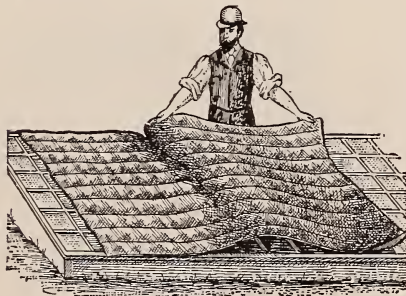
GASSER'S ZINC JOINT will make your greenhouse air and water tight; saves fuel and glass. You can save the price of zinc on glass and putty. No glass broken by frost and by sliding. In ordering, mention the distance between bars.

8 inches, per 1000,	\$3 50	12 inches, per 1000,	\$5 00
9 “ “ “	4 00	15 “ “ “	5 50
10 “ “ “	4 50	16 “ “ “	6 50



GLAZIER'S POINTS—The Van Reyper Perfect, will stop your glass from sliding; made of galvanized steel wire. No rights or lefts; can be used on either side. Per 1000, 60c.; by mail..... 75

Pincers. For driving the points, 50c.; by mail.... 60



HOT-BED MATS—Strong Burlap. Indestructible, cheap and warm. These are made of strong Burlap, warmly lined with waste wool and cotton, which is quilted

to hold in position. Warmer than straw and more easily handled. Do not retain moisture, freeze, rot, mildew or harbor vermin as straw does.

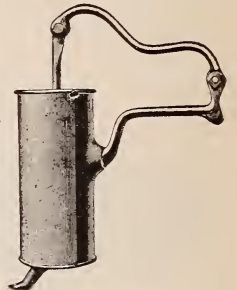
BURLAP MATS. 76 x 76 inches. Price, each....	1 25
WATERPROOF DUCK MATS. 76 x 76 in. Each.	1 75
HOT-BED MATS—Bass. For covering hot-beds and tying plants.....	50
HOT-BED SASH—Un glazed. Made from strictly clear cypress lumber and warranted perfect. White lead used on the tenons, and Iron Dowell Pins at the corners.	
No. 1. 3x6 ft., 3 rows 10-in. glass, each \$1.25; per doz., \$13 50	
No. 2. 3 ft. 3 in. x 6 ft., 4 rows 8-in. glass, ea. \$1.35; doz., 15 00	
No. 3. 4x6 ft., 5 rows 8-in. glass, each, \$1.60; dozen....	17 50
KNIVES—Pruning	\$1.25 to 2 00
“ Budding	1.00 to 1 75

LABELS. For pots, painted, 4-inch, per 100.....	15
Per 1000.....	1 00
5-inch, per 100.....	20
Per 1000.....	1 15
6-inch, per 100.....	20
Per 1000.....	1 25
LABELS—Tree Notched. Copper wired, per 100....	20
Per 1000.....	1 20

MASTICA, for Glazing Green-houses. The use of “Mastica” avoids the necessity of repeatedly reglazing the houses, saving much time and expense. With “Mastica” can be in or use outside, with a machine. Broken glass can be easily removed and replaced by new without the breakage of other glass, which usually occurs with hard putty. One gallon will cover about 300 running feet (one side).

½ gal., 70c.; 1 gal., \$1.25

MASTICA GLAZING MACHINE. (See cut.) \$1 00



Mastica Machine.

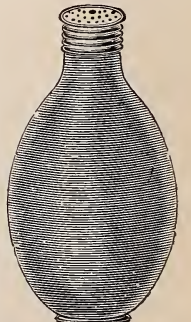
MOLE TRAP—Reddick. A first-class trap. No mole can pass under this trap and live.....	1 00
MOLE TRAP—Isbell.	1 00
“ English	40
PRUNERS—Telegraph Tree. To use on a pole ...	1 00
“ Waters' Tree. Pole. 4 ft., 70c.; 6 ft., 80c.; 8 ft., 90c.; 10 ft., \$1.00; 12 ft., \$1.10. Extra knives, 25c. By mail, 30c.	
RAFFEA. For tying plants. Per lb., 25c. By mail, 40	
RAKES—Steel Garden. 8-tooth, 30c.; 10-tooth, 40c. 12-tooth, 45c.; 14-tooth, 50c.; 16-tooth, 60c.	
SILKALINE. For stringing smilax, etc. Fast green color; will not fade or break. 2 oz. spool ...	20
SAWS—Pruning. 16-inch, 60c.; 18-inch.....	75
“ Double edge	75
SHOVELS—Solid Steel. Square point.....	1 00
SPADES—Solid Steel. Polished.....	1 00
SPRINKLER (Rubber)—Scollay's. Indispensable for floral work and window gardening. Large size, \$1.00; by mail, \$1.10. Small size, 50c.; by mail, 60	

SPRINKLERS (Rubber)—Akron. With hard rubber tips. 6 oz., 55c.; 8-oz., 65c.; 10-oz., 75c. By mail, 10c. each, extra.

SYRINGES—Brass. American Improved.

No. 10. Barrell, 18 in. long, 1½ in. diameter, 2 spray roses, with patent valves and jet.....	\$5.25
No. 11. Barrell, 18 in. long, 1½ in. diameter, 2 spray roses and jet..	\$4.50
No. 12. Barrell, 14 in. long, 1 in. diameter, 2 spray roses and jet..	\$3.25
No. H. Barrell, 16 in. long, 1½ in. diameter, with spray rose.....	\$2.50

TIN FOIL—Florist's. Strictly first class. Will run more sheets to the pound than any other make. Per lb., 15c.; 10 lbs., \$1.25.



Syringe.

POULTRY SUPPLIES.



RUST'S EGG PRODUCER.

You can get plenty of eggs at all seasons by using Rust's Egg Producer. It makes fowls vigorous and healthy, shortens the moulting period, prevents and cures leg weakness, etc., and is just what is needed to make poultry-keeping the most profitable operation on a farm. You can feed Rust's Egg Producer every day for two or three weeks, at a cost of one cent for each hen, and get surprising results.

One-lb. box, 25c.; 2½-lb. box, 50c.; 6-lb. box, \$1.00; 10-lb. box, \$1.50; 25-lb. keg, \$3.50. If by mail, add 16 cents per pound for postage.

RUST'S HAVENS' CLIMAX CONDITION POWDERS.

NO OWNER OF POULTRY OR STOCK SHOULD BE WITHOUT IT.

It cures diseases, and keeps stock and fowls healthy; the only real cure for gapes and fowl cholera; expels worms from horses, etc.; gives great and lasting benefit in heaves, without the slightest injury.

It makes hogs thrive and fatten; increases and improves the production of milk.

It contains no antimony, arsenic, rosin, or anything harmful, and is, therefore, entirely different from the number of quack foods and powders in the market.

It is not a food, but an honest medicine, at an honest price.

Price, 13-oz. package, 25 cents. If sent by mail, 15 cents extra for postage. 2-lb. package 50 cents. 5-lb. box, \$1.00.



RUST'S HAVENS' ROUP PILLS.

The pills act directly on the glands and mucous membrane, allay all tendency to fever, and carry off all morbid matter from the system. They are entirely free from everything harmful, and the best remedy ever discovered for *Roup, Catarrh, Colds and Distemper*. They are unlike any other medicine, and, being composed of medicines in concentrated form, they are of moderate size, and, therefore, easy to give to fowls. 25c. per box of 48 pills.



BAUM'S POULTRY FOOD.

The surest egg producer. The quickest and cheapest means of fattening for market. It is just the thing required to strengthen the chicks—keeps them robust and free from disease. It makes the chickens develop much sooner, and makes early layers. 2-lb. box, 25c.; 4½-lb. box, 50c.

Pratt's Poultry Food.

THE GREATEST OF POULTRY REGULATORS.

Makes hens lay regularly, cures and prevents cholera, roup, gapes, and all diseases of the flock. Young chicks grow healthy and free from disease when Pratt's Poultry Food is fed regularly.

26-oz. size, 25c.; 5-lb. size, 60c.; 12-lb. bag, \$1.25.

If by mail, add 16c. per pound for postage.

Spratt's Patent Poultry Food.

Used at the principal poultry shows all over the world. The most successful

food for rearing all kinds of poultry.

Spratt's Patent Chick Meal,	}	Per lb., 10c.; 3 lbs., 25c.; 10 lbs., 75c.; 50 lbs., \$3.00; 100 lbs., \$5.50.
“ “ Poultry “		
“ “ Pheasant “		
“ “ Game “		
“ Ground Meat, 5c. per lb.;		6 lbs., 25c.; 13 lbs., 50c.; 50 lbs., \$1.75; 100 lbs., \$3.25.

If by mail, add 16 cents per pound for postage.



DARLING'S MEAT MEAL.

Per lb., 5c.; 6 lbs., 25c.; 13 lbs., 50c.; 50 lbs., \$1.25; 100 lbs., \$2.25.

DARLING'S CONCENTRATED MEAL.

Per lb., 5c.; 6 lbs., 25c.; 13 lbs., 50c.; 50 lbs., \$1.25; 100 lbs., \$2.25.

DARLING'S PURE BONE MEAL.

Per lb., 5c.; 6 lbs., 25c.; 13 lbs., 50c.; 50 lbs., \$1.25; 100 lbs., \$2.25.

AMERICAN POULTRY FOOD.

Per lb., 5c.; 6 lbs., 25c.; 13 lbs., 50c.; 50 lbs., \$1.00; 100 lbs., \$1.50.

HULLED OATS.

Per lb., 5c.; 6 lbs., 25c.; 13 lbs., 50c.; 50 lbs., \$1.25; 100 lbs., \$2.00.

BEEF SCRAPS.

The great demand among poultrymen for a reliable article in scraps has induced us to put on the market a quality of goods that has at once been appreciated by all poultry raisers who have seen them. Per lb., 5c.; 6 lbs., 25 cts.; 13 lbs., 50c.; 100 lbs., \$2.50.

MIXED SEED AND GRAIN (for Poultry).

Per bushel, 50c.; 2-bushel bag, 80c.

KAFFIR CORN.

Largely used by poultrymen. Per lb., 5c.; 10 lbs., 25c.; 100 lbs., \$1.10.

SUN FLOWER SEED.

An excellent poultry food. Per lb., 10c.; 3 lbs., 25c.; 10 lbs., 50c.; 100 lbs., \$3.50.

BUCKWHEAT.

Per lb., 5c.; 6 lbs., 25c.; 50 lbs., \$1.25; 100 lbs., \$2.00.

BRAN AND MIDDINGS.

Per lb., 5c.; 6 lbs., 25c.; 50 lbs., \$1.00; 100 lbs., \$1.50.

BARLEY.

Per lb., 5c.; 6 lbs., 25c., 50 lbs., 85c.; 100 lbs., \$1.50.

CANE SEED.

Per lb., 5c., 6 lbs., 25c., 50 lbs., \$1.25; 100 lbs., \$2.00.

CORN, White and Yellow.

5 lbs., 10c.; 50 lbs., 75c.; 100 lbs., \$1.00.

CORN MEAL.

5 lbs., 10c.; 50 lbs. 75c.; 100 lbs., \$1.25.

CRACKED CORN.

5 lbs., 10c., 50 lbs., 75c.; 100 lbs., \$1.25.

HEMP SEED.

Per lb., 10c.; 3 lbs., 25c.; 50 lbs., \$2.25; 100 lbs., \$3.50.

MILLET SEED.

Per lb., 5c.; 6 lbs., 25c.; 50 lbs., \$1.00; 100 lbs., \$1.75.

MILLET SEED, Pearl.

Per lb., 5c.; 6 lbs., 25c.; 50 lbs., \$1.50; 100 lbs., \$2.50.

OATS, White or Mixed.

5 lbs., 10c.; 50 lbs., 75c.; 100 lbs., \$1.25.

GROUND OATS.

5 lbs., 10c.; 50 lbs., \$1.00; 100 lbs., \$1.50.

WHEAT.

Per lb., 5c.; 6 lbs., 25c.; 50 lbs., \$1.00; 100 lbs., \$1.75.

**PIONEER CLOVER MEAL.**

Pioneer Clover Meal is pure clover ground to a very fine meal especially prepared for poultry food. It has made summer conditions of feeding possible in the winter, as it forms a perfect substitute for green grass.

Per lb., 5c.; 6 lbs., 25c.; 50 lbs., \$1.00.

CUT CLOVER.

Per lb., 5c.; 6 lbs., 25c.; 50 lbs., \$1.00.

NEST EGGS, China,

5c. each; 25c. per dozen.

If by mail add 20c. per dozen extra.

MICA CRYSTAL GRIT.

Mica Crystal Grit.

Hens having no teeth should be kept constantly supplied with some sharp material to grind and masticate their food. Mica Crystal Grit is superior to all other forms, as it is not only sharp and hard, but its properties are such that it acts as a tonic, and contributes largely to the health and productive power of the fowl.

5 lbs., 10c.; 100 lbs., 90c.

CRUSHED OYSTER SHELLS

Will increase the supply of eggs and keep poultry in a healthy condition. 5 lbs., 10c.; 100 lbs., 75c.

GRANULATED BONE.

Indispensable for laying fowls. Per lb., 5c.; 6 lbs., 25c. 13 lbs., 50c.; 100 lbs., \$3.00.

FINE GROUND BONE.

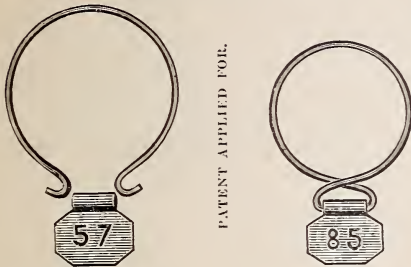
For chicks and poultry. Per lb., 5c.; 6 lbs., 25c.; 13 lbs., 50c.; 100 lbs., \$3.00.

PULVERIZED CHARCOAL.

Per lb., 5c.; 6 lbs., 25c.; 50 lbs., \$1.50; 100 lbs., \$2.50.

CLIMAX LEG BANDS.

THE "STAY ON" KIND.



These bands have been on the market for several years, and have proved the most satisfactory device for marking poultry. They are especially desirable for marking birds with feathered legs, and are neat, simple, easy to put on, and absolutely secure if properly applied.

They are in general use by leading poultrymen and poultry associations, and their immense sale attests their popularity. Rings are made of spring brass and the tags of aluminum.

SIZES:

No. 1,	No. 2,	No. 3,	No. 4,	No. 5,	No. 6,
½ in.	⅝ in.	¾ in.	⅞ in.	1 in.	1 ¼ in.

Always give size wanted, or state breed of fowls bands are to be used on.

THEY ARE NOT MADE IN PIGEON SIZES.

PRICES POSTPAID—Per doz., 25c.; 25, 40c.; 50, 75c.; 100, \$1.35. Discount on larger lots. Samples 3c.

EYRIE SHIPPING EGG BOX.

We offer this as the strongest, lightest, neatest and safest shipping box on the market.

Price—1 Sitting 15 eggs, 15c. each; \$1.25 per doz.
 " 2 " 30 " 20c. " \$1.80 "

CONE'S PREPARED LIME,

FOR HOUSEHOLD USE.

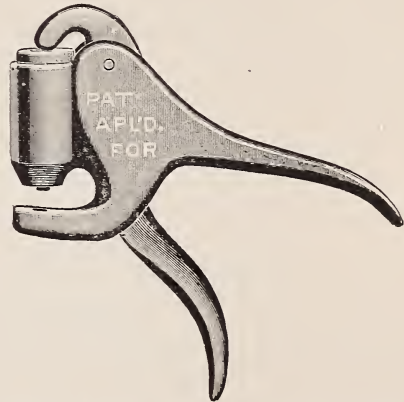
Is a product made by a new process from common lump lime. It is thoroughly slacked in the process of treatment, will not heat, swell, or change, retains the setting qualities of the lime, and is ready for immediate use for all purposes, same as common lime. Stored in a dry place it will keep in good condition until used. 3-lb. pkt., 10c.; 3 pkts., 25c.



Per quart, 35c.; half gallon, 60c.; gallon, \$1.00.

LAMBERT'S DEATH TO LICE POWDER.

5-oz. package, 10c.; 48-oz. package, 50c.
 15-oz. " 25c.; 100-oz. " \$1.00.



RELIABLE POULTRY PUNCH.

Best Punch on the market. 35c.

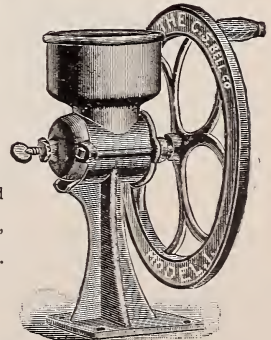


SANITARY DRINKING FOUNTAINS.

	each.	doz.
1-quart size,	15c.	\$1.50
2 " "	20c.	2.00
4 " "	30c.	3.00

THE MODEL GRINDING MILL.

They are intended to grind all kinds of grain, dry bone, shells, roots, barks, salt, etc.



LIST OF SIZES, WEIGHTS AND PRICES.

No.	Height.	Width.	Wheel.	Weight.	Price.
1	13	8 ¼	12 ¼	20 lbs.	\$2.50
2	16	9 ½	16 ½	35 lbs.	5.00
3	18 ½	12 ¼	19 ¾	63 lbs.	7.50

No. 3 Mill can be furnished with an 8" pulley in addition to fly wheel if desired. Price, complete, \$10.00.

MANN'S GREEN BONE CUTTERS.

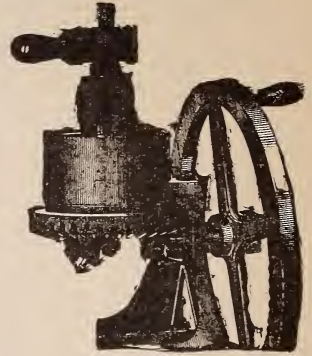
Mann's New Bone Cutters are the standard of excellence. A standard which has only been obtained by years of experience. Every mill warranted to cut dry or green bones with the meat and gristle attached without clog or difficulty.

A few reasons why Mann's Bone Cutters are the best.—They cut faster, finer and easier than any other; are the strongest and most durable: will cut dry bones or green bones; have less friction. They have finely tempered steel knives, and are adjustable to coarse or fine. They will duplicate in every part. The knives are easy to sharpen; any one can do it.

NOTHING WILL MAKE HENS LAY LIKE GREEN CUT BONE.

	Factory Price.	Net Cash Price.
No. 1 C. With Crank Handle.....	\$ 7 50	\$ 6 00
No. 1 B. With Balance Wheel.....	10 00	8 00
No. 1 B. M. With Balance Wheel, mounted on Iron Stand	13 00	10 50
No. 4 B. With Balance Wheel.....	15 00	12 00
No. 4 B. M. With Balance Wheel, mounted on Iron Stand	18 75	15 00
No. 2. Standard Bone Cutter, with Balance Wheel mounted on Iron Stand.....	23 00	18 50

PRICES ON LARGER SIZES ON APPLICATION.



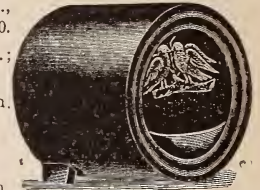
No. 1 B. Bone Mill.

PIGEON SUPPLIES.

PRICES SUBJECT TO CHANGE.

- PIGEON PEAS.**—Per half bushel, 70c.; per bushel, \$1.20; full bag lots or over, \$1.15 per bushel.
- VETCHES.**—10c. per lb., 4 lbs., 25c.; 10 lbs., 50c.; 50 lbs., \$2.25; 100 lbs., \$4.00.
- TICK BEANS.**—10c. per lb.; 3 lbs., 25c.; 10 lbs., 75c.; 50 lbs., \$3.25; 100 lbs., \$6.00.
- YELLOW PIGEON CORN.**—5c. per lb.; 6 lbs., 25c.; 13 lbs., 50c.; 50 lbs., \$1.50; 100 lbs., \$2.00.
- PIGEON GRITS.**—5 lbs., 10 cts.; 100 lbs., 90c.

- KAFFIR CORN.**—Per lb., 5c.; 10 lbs., 25c.; 100 lbs., \$1.00.
- ROCK SALT.**—5 lbs., 10c.; 50 to 100-lb. lots, 1c. per lb.
- NEST PANS.**—10c. each. \$1.00 per dozen.
- PAUL'S DRINKING FOUNTAIN.**
Half gallon, 25c.; 1 gallon, 35c.; 2 gallons, 50c.



Paul's Drinking Fountain.



STOCK SUPPLIES.

PRICES SUBJECT TO CHANGE.

- PRATT'S FOOD FOR HORSES AND CATTLE.**
7-lb pkg., 50c.; 12-lb. bag, 75c.; 8-12 lb. bags, \$5.50.
- PRATT'S ANIMAL REGULATOR.**
25c. and 50c. per package.
- HELLER'S STOCK FOOD.**—6-lb can, \$1.00.
- RETSEFF ROCK SALT FOR STOCK.**
Per 100 lbs., 75c.; 500 lbs., \$3.00; 1000 lbs., \$5.00; 2000 lbs., \$9.00.
- COTTON SEED MEAL.**
Per bag of 100 lbs., \$1.30; 10 bags, \$12.50; 20 bags, \$24.50.
- OLD PROCESS LINSEED, OR OIL CAKE MEAL.**
Per bag, \$1.50; 10 bags, \$14.50; 20 bags, \$28.00.

SPRATT'S PATENT DOG CAKES.

Per lb., 10c.; 3 lbs., 25c.; 10 lbs., 75c.; box of 25 lbs., \$1.50.

THERMOMETERS—Japanned, Tin Case.

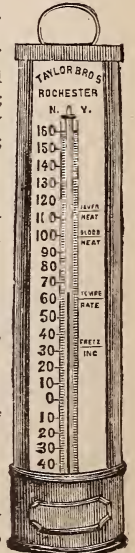
- Common Grade.** 8-in., 15c.; 10-in., 20c.
- Medium Grade.** 8-in., 50c.; 10-in., 60c.
- Standard Grade.** Made with seasoned tubes graduating in single degrees; tubes mounted by clasps, on heavy metal; very accurate. 8-in., 65c.; 10-in., 75c.; 12-in., \$1.00.
- Hot-Bed or Mushroom.** \$2.00.
- Incubator.** Flanged metal scale, especially tested and very accurate. 50c. and 75c. each.

TROWELS—

- English.** Solid shank, polished, 5-in., 50c.; 6-in., 60c.
- American.** 6-in., 10c. to 15c.
- Cleves Angle.** 5-in., 25c.; 7-in., 30c. If by mail, 10c. each extra.

WATERING POT—

- Galvanized.** Made from best quality iron, and heavily galvanized. Two roses with each pot for fine and coarse watering. 8-quart, \$2.00; 10-quart, \$2.35; 12-quart, \$2.75.



Star Incubators and Brooders.



Star Incubators, cuts of which are herewith shown, to-day stand without an equal, and this has been demonstrated on some of the largest plants in this country. Any plan may be used to heat an incubator so that the heat is properly applied. Next comes the method of regulation. This is important, for the reason that an even temperature must be constant in the egg chamber. Many methods have been tried and discarded, for the reason that at some time they have failed in their duty. This has been fully overcome and brought to a point of perfection in the Star machines in the use of the combined aluminum and steel bar, which is sensitive, and therefore quick in operation, and allows absolutely no variation in the chamber. The last and most important point in the science of artificial hatching is Ventilation, and we are safe in saying that the Star Incubator is to-day the only machine that is perfect in this respect, and this has been proven by the fact that in every test of incubators, that Stars have not only hatched the largest per cent of eggs, *but stronger and better chicks and ducks than any machine made.* (Complete incubator catalogues give all these facts, and will be sent on application.)

Star brooders are built on this same perfect plan of heating and ventilating, and the star indoor brooder is the only indoor brooder built having a regulator to control the heat and keep it at the proper point.

Star Incubators are heated by hot air because it is much more economical in operation, and combined with simplicity and durability.

The heater or radiator in the Star Incubator is placed in the egg chamber directly over the eggs, and is heated by the lamp hanging under the incubator. Connection is made between the lamp and heater by means of a flue, which passes upward from the lamp to the radiator.

The heat after leaving the lamp enters the heater, through which it passes three times before it escapes. In this manner every particle of heat is utilized and every part of the egg chamber is heated to the same degree.

Gas may be used for heating instead of oil, by those who have it, by using the regular argand gas burner.

The Star Incubators are all double-cased, which provides a dead air space between the cases, and are well lined and packed, thus insuring the incubator holding its temperature in any country where poultry is raised.

Each Star Incubator is so arranged that, after hatching, the chicks or ducks fall to the nursery under the trays, and this prevents those that are hatched first from trampling on those that are later in hatching. This nursery makes a perfect home for them for a couple of days.

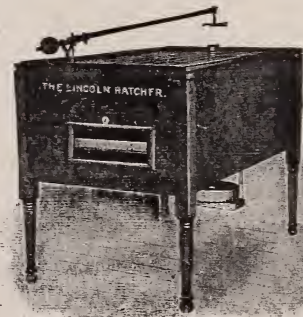
MODELS, 40, 42 and 44.

In offering these models we are not in any sense of the word offering a cheap machine, but a good machine at an exceptionally low price. These models are all double-cased, built of the same material, and have the same unequalled system of ventilation and regulation as the other models, and have also nursery under egg tray.

THE LINCOLN HATCHER.

This small, convenient machine is made especially for those who wish to produce a limited number of chicks by artificial methods. The capacity of the Lincoln Hatcher is *sixty eggs*. It has the same system of ventilation and regulation as our other models, and has also the nursery under the egg tray. This machine is especially intended for house use. It is built of white pine lumber, very easily handled, and when run in a room or cellar, where the temperature changes are not severe, will produce splendid results.

No. 10. Model (Compartment), Capacity 100 Eggs	\$20 00
No. 15. " Capacity 190 Eggs	24 00
No. 16. " " 250 "	30 00
No. 20. " " 380 "	37 00
No. 40. " " 150 "	15 00
No. 42. " " 230 "	24 00
No. 44. " " 330 "	30 00
No. 1. Lincoln, Double Case, Capacity 60 Eggs	8 00
No. 2. " Single " " 60 "	6 00
No. 3. " Double " " 120 "	13 00
No. 4. " Single " " 120 "	10 00



Capacity of machines are rated with the open tray, with which all machines are now fitted. Slatted trays will be furnished instead of the open tray when so ordered.

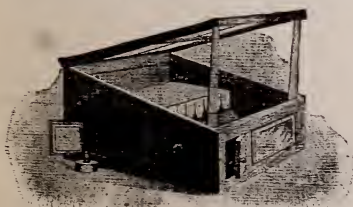
BROODERS.

Our sectional brooders for the coming season will be entirely new. The hover chamber is along the center of the brooder, having wire screens along the top, both back and front, for protection. Front of brooder, where the chicks come out may be closed up tight, having a wooden door for that purpose. Thus the brooder at night may be closed up so that rats can not get to the chicks.

These brooders are provided with a drop door at rear of brooder so that they may be cleaned from the alley. These are provisions never before found in sectional brooders. Price:

2 Sections	\$19 00	No. 3. Out-door Brooder	\$ 5 00
3 " "	24 00	In-door Hot Air Brooder, finished in natural wood	5 00
4 " "	29 00		
No. 1. Out-door Brooder	10 00		

Our new catalogue showing plates of the above machines will be ready about September 15th, and will be sent you upon application.



OUT-DOOR BROODER.



View of Lawn at "The Pines," Residence of Albert McCullough.

McCULLOUGH'S "Suburban" Lawn Grass Seed

Is a *mixture* of the finest Dwarf Evergreen Grasses, which will produce a sward of that dark green color so much admired. If sown in the Fall it will make a beautiful lawn the following Spring.

HOW TO MAKE A LAWN.

It is now a decided fact that Seed will make a better lawn than turf or sod. The best soil is a good medium texture; the surface should be raked repeatedly, thoroughly pulverized and smoothed to the desired grade; remove all large stones, roots and hardened pieces of earth that cannot be readily broken. When the soil is firm, level and suitably moist, sow our "SUBURBAN" LAWN GRASS SEED at the rate of 4 to 5 bushels (64 to 80 lbs.) per acre. One pound is sufficient to sow a small yard 15 x 20 feet, or 300 square feet. 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 rake lightly and give a thorough rolling or pat well with the back of a spade. The seed must be well firmed in the soil.

Renovating Lawns. When your lawn has already been established, you will find it to your advantage to lightly re-seed each Fall. Carefully rake off all dead leaves, etc., and sow our "SUBURBAN" LAWN GRASS SEED at the rate of two bushels (32 lbs.) to the acre; roll thoroughly, or pat well with the back of a spade.

*Price \$3.00 per bushel (16 lbs.), \$1.00 per 5 lbs., 25c. per lb.,
15c. per half lb., 10c. per lb. extra if sent by mail.*

LAWN FERTILIZERS.

El Paso Sheep Manure. No other fertilizer produces such a marked and permanent effect upon lawns. No raking off required. No seeds of foul weeds in it. No offensive odor. It is clean to handle. Absolutely safe to use in any quantity or in any manner. Use at the rate of from 300 to 500 lbs. per acre.

10c. lb., 25c. for 5 lbs., 50c. for 12 lbs., 75c. for 25 lbs., \$2.50 per 100 lbs.

Suburban Lawn Fertilizer. Is clean, free from any disagreeable odor, and does not contain weed seeds. Especially prepared for use upon lawns, and contains all the constituents for promoting a quick luxuriant growth and a rich green color. When making a new lawn, apply from 300 to 400 lbs. per acre, raking well into the soil. 10c. lb., 25c. for 6 lbs., 50c. for 13 lbs., 75c. for 25 lbs., \$2.50 per 100 lbs., \$45. per ton.