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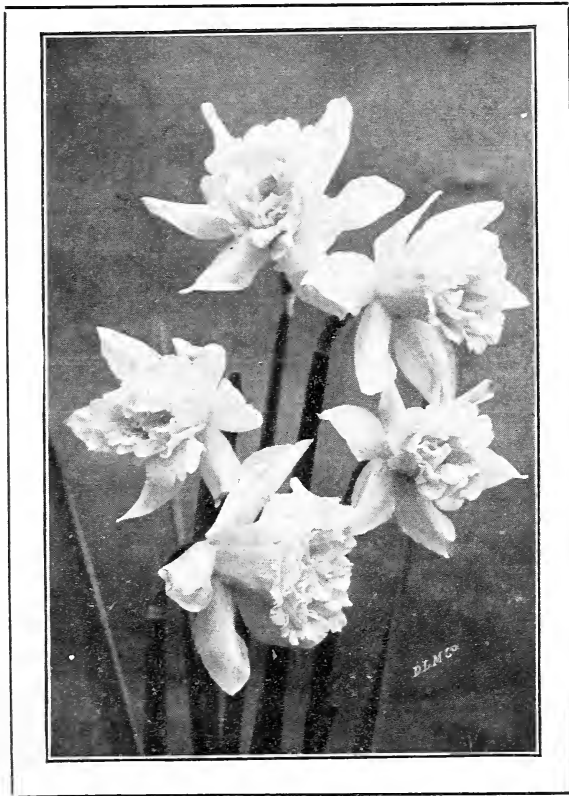
6567  
JMC—1915—JMC

# FALL CATALOGUE

BULBS,

NURSERY

STOCK,



SEEDS,

POULTRY

SUPPLIES.

A MODERN SEED STORE

THE J. CHAS. McCULLOUGH SEED CO.

SEEDSMEN

228, 230 & 232 EAST FOURTH ST.

North Side, between Main and Sycamore Streets  
(Opposite New Telephone Building)

LONG DISTANCE PHONE  
CANAL 2603  
Connecting all Departments

CINCINNATI, O.

# JMC Flowering Bulbs JMC

## TERMS AND INFORMATION

ALL PRICES SUBJECT TO CHANGE without notice.

PRICES INCLUDE POSTAGE at single and dozen rates except where noted. At 100 and 1000 rates buyer pays charges. 6 bulbs sold at dozen rates, 25 at 100 rates, 250 at 1000 rates.

ON LARGE ORDERS. We will quote special prices. Write us.

SCHOOL GARDENS. To encourage love of flowers and to aid in knowledge of care and growth of plants we will furnish both Bulbs and Seeds at very low rates.

Principals and teachers are requested to write us outlining their needs.

REMITTANCES SHOULD ACCOMPANY ORDERS. C. O. D. shipments are not desired by us. Money orders are the best form of remittance, but stamps may be sent for small amounts.

SEND US NAMES and ADDRESSES of your friends when sending your order and we will send you a small collection of Flower Seeds.

SUBSTITUTION. We endeavor to fill all orders exactly as received, but it sometimes happens that some varieties of Named Hyacinths and other bulbs become exhausted, in which case we will, unless otherwise instructed, send something as near like it as possible.

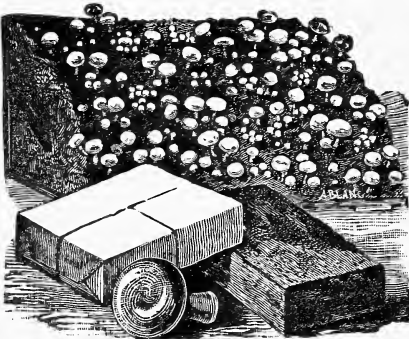
INFORMATION FREE. Our 45 years active experience in the Seed Business in all its branches means that we know many things. We shall be always pleased to give information to customers on any subject pertaining to Seeds and Crops, such as best varieties, when, what and how to sow, culture and care of all crops, besides remedies for plant diseases, insect pests, fertilization and other matters, so far as in our power.

We invite personal relations and questions and extend you a cordial invitation to visit our Modern Store and Salesrooms, 228-230-232 E. 4th St., Cincinnati, Ohio.

We, the J. Chas. McCullough Seed Co., give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned and the amount paid will be refunded. If they are kept it will be taken as proof that they are satisfactory.

## Mushroom Spawn

One pound will spawn about ten feet square.



Mushroom Spawn

In preparing a mushroom bed, take three parts fresh stable manure, free from straw, and one part of good pasture soil. Mix thoroughly together and let it stand until the heat has sunk to about 90 degrees. Make the bed from this mixture about four feet wide, eight inches deep, and any desired length. As soon as the temperature of the bed is about 70 or 80 degrees, the spawn may be inserted in pieces about the size of a walnut, and six inches apart each way. When the spawn is diffused through the whole bed, which will be in about ten days from planting, cover with two inches of fine loam and press down firmly. Over this place a layer of straw about four inches thick. Do not water unless the surface gets extremely dry, and then only with water at a temperature of 80 degrees. When gathering the crop, twist them off at the roots and do not use a knife. Cover the hole with soil to keep insects away from the root. Mushrooms can be grown in a great variety of situations; under the benches in a green house, a dark room, cellar, stable or elsewhere.

**PURE CULTURE SPAWN**—Prepared fresh of strong vitality and producing largest and best crop. lb. 25c; 10 lbs., 20c. per lb.

English Mill Track Spawn—(in bricks). 15c lb. (mail 25c lb.), 10 lbs. \$1.00.

Treatise on Mushroom Culture—10c each, postpaid.

# HYACINTHS

Hyacinths are offered in four classes, viz:—

**FIRST SIZE NAMED** the most select exhibition Hyacinths producing very large spikes and the best for pots or glasses.

**SECOND SIZE NAMED** not quite so large but suitable for pots and the best for bedding, as there is more uniformity in height and more pleasing effects in color schemes.

**UNNAMED or MIXED**—For pots or bedding, made up of miscellaneous varieties.

**MINIATURE**, for planting in bulb pans or trays in masses for decorative use in house or cutting.

**GROWING IN POTS**—Use Select Named Sorts (single Varieties are best), one bulb to a four or five inch pot, three to a seven inch pot. Window boxes having good drainage can be used, placing the bulbs about 3 inches apart. Use any good, rich garden soil, or even Spagnam moss with a little sheep manure will do. Plant any time from September to December, but early planting is best. In potting, the top of the bulb should be even with the top of the soil and the soil pressed firmly around the bulb but not packed underneath, as it restricts root growth. Then water thoroughly, setting away in a dark, cool place for six to eight weeks, watering occasionally until the roots have grown. Then bring to a warm room as many as desired to bloom at a time.

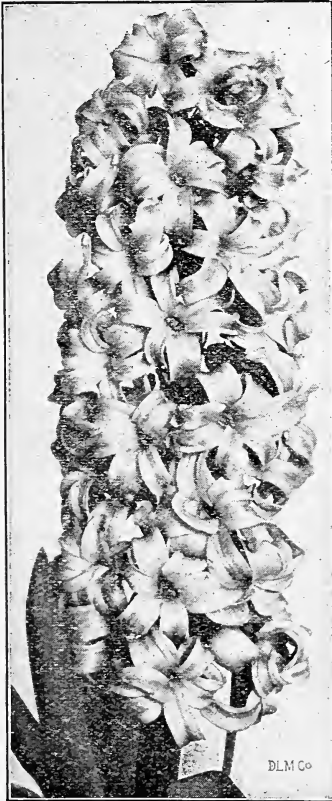
**IN GLASSES**—Use Select Single Varieties only, placing the bulb so that the base only is immersed in water, and fill as it evaporates. Place in a dark, cool place until the roots have almost reached the bottom of the glass. Change the water about every two weeks, withdrawing the roots and rinsing them off well. When brought into the room for flowering, give as much fresh air as possible but do not put in a draught. When the bulbs are in flower keeping out of direct sunlight will make them last longer.

**OUT OF DOORS**—Hyacinths will succeed in any good garden soil, but best if rich and light, hence cow manure and sand added to heavy soils are beneficial. They can be planted from October until the ground freezes up, but moderately early planting is best. Have the beds or borders well spaded, setting the bulbs five or six inches deep and the same distance apart. In covering do not press the soil too firmly around the bulb. On approach of winter a top dressing of leaf mould or well rotted manure is beneficial.

Color schemes for beds are best obtained by using Second Size Named Hyacinths rather than Mixed, as more regularity of height, bloom and shadings are obtained. However, our Choice Mixed or Unnamed Hyacinths are fine quality and will give excellent results.

## Select Named Hyacinths 1st. Size SINGLE VARIETIES.

The best for pots, glasses, or in beds where large fine exhibition spikes are desired. Make much fuller, larger and more symmetrical spikes than the Double Hyacinths. Prices include postage at single and dozen rates.



Spike of Single Hyacinth.

	Each	Doz.
<b>SINGLE RED AND ROSE.</b>		
BARON VON THUYLL—Pale rose, small bells, very early.	\$.010	\$1.00
CARDINAL WISEMAN—Dark pink, full spike	.10	1.00
ETNA—Bright dark rose; large bells, splendid for pots or beds, late.	.10	1.00
GERTRUDE—Dark pink, fine spike, for pots or bedding.	.08	.90
GIGANTEA—Blush pink, small bells, compact spike	.08	.90
LA VICTOIRE—Beautiful red, long well filled spike, medium size bells.	.10	1.00
MORENO—Bright rose pink, large bells and spike, early.	.08	.90
ROI DES BELGES—Bright scarlet, fine for pots or beds.	.08	.90
<b>SINGLE WHITE.</b>		
ALBERTINE—Pure white, early.	.08	.90
BARONESS VON THUYLL—Pure white, small bells, large fine compact truss.	.08	.90
GENERAL DE WET—Blush white; large, loose spike, medium size bells.	.08	.90
GRANDEUR A MERVELLE—Blush white, large truss.	.08	.90
LA FRANCHISE—Creamy white, large bells and spike, good bedder.	.08	.90
LA GRANDESSE—Snow white, immense bell, one of the best	.10	1.00
L'INNOCENCE—Pure white, fine for pots, early.	.10	1.00
MADAM VAN DER HOOP—Almost pure white, fine.	.08	.90
<b>SINGLE BLUE.</b>		
ENCHANTRESS—Light blue, very long and full spike with large bells.	.10	1.00
GRAND LILAS—Porcelain lilac, desirable for early forcing.	.10	1.00
GRAND MAITRE—Deep lavender blue, shaded dark blue	.08	.90
JOHAN—Beautiful light blue, large, broad spike, splendid for bedding.	.08	.90
KING OF THE BLUES—Rich dark blue, splendid.	.10	1.00
LA PEYROUSE—Clear porcelain blue, large bells, fine for bedding.	.08	.90
QUEEN OF THE BLUES—Clear light blue, large compact spike with bells of medium size. One of the best bedding sorts.	.10	1.00
REGULUS—Light blue, fine for pots or bedding.	.08	.90
<b>SINGLE YELLOW</b>		
DUC DE MALAKOFF—Orange yellow.	.10	1.00
HERMANN—Orange-yellow, small truss.	.10	1.00
IDA—Canary yellow, large truss, splendid.	.10	1.00
KING OF YELLOWS—Rich deep yellow.	.10	1.00
MAC MAHON—Pure yellow, large flowers.	.10	1.00
YELLOW HAMMER—Golden yellow, broad flower.	.10	1.00

Six sold at dozen rates. 25 at 100 rates.

# Select Named Hyacinths

## DOUBLE VARIETIES.

The individual bells of the Doubles 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.

Prices include postage at single and dozen rates.

DOUBLE RED AND ROSE.		Each.	Doz.
BOUQUET ROYAL, light rose, red center.....	08	90	
GROOTVORST, pink, large truss and bells.....	08	90	
LORD WELLINGTON, pale blush, with delicate rose stripe, large bells and massive spike.....	08	90	
NOBLE PAR MERITE, rose, large bells, splendid truss.....	08	90	
DOUBLE WHITE.		Each.	Doz.
ISABELLA, pure white, fine spike.....	08	90	
LA TOUR D'AUVERGNE, pure white, large bells....	08	90	
LA VIRGINITE, bluish white, dwarf, large bells....	08	90	
PRINCE OF WATERLOO, pure white, large spike....	08	90	

DOUBLE BLUE.		Each.	Doz.
BLOKSBERG, porcelain striped, large truss.....	08	90	
CHAS. DICKENS, dark lavender blue, large truss..	08	90	
GARRICK, lilac blue, with bright blue stripes.....	08	90	
REMBRANDT, dark porcelain, large bell.....	08	90	

DOUBLE YELLOW.		Each.	Doz.
BOUQUET D'ORANGE, reddish orange, fine spike..	10	1.00	
GOETHE, clear, pale yellow, large bells, fine truss..	10	1.00	
SOVEREIGN, Pure Yellow.....	10	1.00	
WILLIAM III, yellow, with red center, compact spike	10	1.00	

# Second Size Named Hyacinths

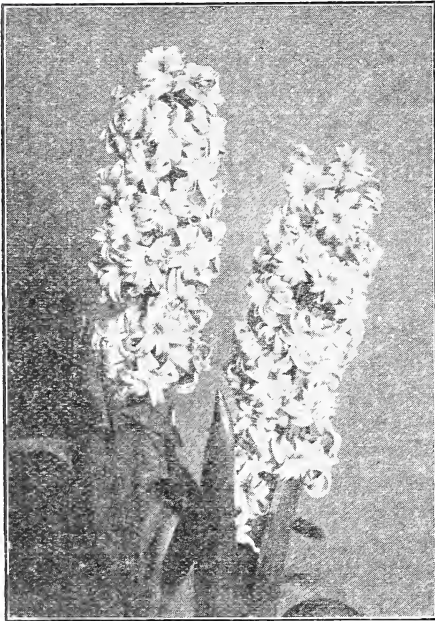
PRE-EMINENTLY SUITED FOR BEDDING—The varieties being of one shade and size and blooming together will give more pleasing effects than Mixed varieties of Hyacinths, besides producing larger spikes. For description of varieties, see First Size Named.

Red and Rose	White	Blue	Yellow
Gertrude	Baroness von Thuyll	Charles Dickens	Ida
Etna	L-Innocence	Regulus	Bouquet Orange
Bouquet Royal	La Tour d'Auvergne	Garrick	

Price each 6c—per dozen 50c—per 100 \$3.50.

# Choice Mixed or Un-Named Hyacinths

For Bedding and Forcing, in Separate Colors and Mixed Shades.



These are made up of varieties selected for beds and borders or for forcing for cut flowers.

### SINGLE VARIETIES.

	Each.	Per doz.	Per 100
Single, Red, mixed shades.....	.05	50	\$2.75
“ Rose.....	.05	50	2.75
“ Pure White.....	.05	50	2.75
“ Blush White.....	.05	50	2.75
“ Dark Blue and Purple.....	.05	50	2.75
“ Light Blue.....	.05	50	2.75
“ Yellow.....	.05	50	2.75
Single Mixed, all colors.....	.05	40	2.50
Per 1000, all colors.....			\$25.00

### DOUBLE VARIETIES.

	Each.	Per doz.	Per 100
Double, Red, mixed shades.....	.05	50	\$2.75
“ Rose.....	.05	50	2.75
“ Pure White.....	.05	50	2.75
“ Blush White.....	.05	50	2.75
“ Dark Blue and Purple.....	.05	50	2.75
“ Light Blue.....	.05	50	2.75
“ Yellow.....	.05	50	2.75
Double Mixed, all colors.....	.05	45	2.50
Per 1000, all colors.....			\$25.00

### EARLY ROMAN HYACINTHS.

Exclusively for Forcing.

These are extensively used by florists for forcing, which may be done at a temperature of 60 degrees. The white variety flowers 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 in other varieties.

	Each.	Per doz.	Per 100
Early White Roman, selected large bulbs.....	.06	60	\$3.75

### DUTCH ROMAN HYACINTHS.

Miniature or Dutch Roman.

They 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. 4 cents each, 30 cents per dozen, \$1.75 per 100.

# TULIPS

For gorgeous and showy colors the Tulip is unsurpassed. Beds of Tulips in contrasting or blended shades bursting into a mass of gorgeous bloom after a dreary Winter, are of indescribable beauty and attractiveness. In pots they force easily, requiring same treatment as for Hyacinths in pots and produce best effects when 6 to 12 are planted in a pan or box together. For beds treat as for Hyacinths, setting the bulbs four to five inches apart and three to four inches deep. If the soil is light plant deep, if stiff plant shallow.

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.

## SINGLE EARLY TULIPS. NAMED SORTS.

6 sold at dozen rates, 25 at 100 rates. Postage included at single and dozen rates.

	Each	Per doz.	Per 100
ARTUS b7, scarlet, fine bold flowers, good for forcing and bedding	3	20	\$1.00
BELLE ALLIANCE b7, brilliant scarlet, large flower, sweet scented, fine for bedding and forcing	3	30	1.75
CHRYSOLORA b9, pure yellow, large and handsome flower; finest yellow bedder	3	25	1.50
COTTAGE MAID b6, rosy pink, edged with white, a charming variety, for bedding and late forcing	3	25	1.25
DUCHESS DE PARMA b9, brownish red with yellow border, large flower; good forcer and bedder	3	25	1.25
JACOBA VAN BEIERN b7, pure white, strong, tall stem. Fine bedder.	3	25	1.25
KEYZERSKROON b9, deep crimson, with broad orange-yellow margin, large and effective	4	35	2.00
LA REINE. (Queen Victoria.) b6, white slightly shaded rose; good variety for bedding or forcing	3	20	1.00
POTTEBAKER SCARLET a8, bright scarlet, very large and fine flower.	3	30	1.50
“ WHITE a8, pure white, fine large showy flower	4	35	2.00
“ YELLOW a8, large fine bright golden yellow, excellent forcer	3	30	1.50
PROSERPINE a8, carmine rose, rich, silky, and effective, beautifully shaped large flower	4	40	2.50
YELLOW PRINCE, b7, golden yellow, extra large and showy, scented as a Tea Rose	3	25	1.50
Collections 12 of above select named Tulips, our selection, colors separate			25
100			1.50
1000			12.50

Special prices in 1000 lots, (customers selection), on request.



TOURNESOLE TULIPS.

## PARROT OR DRAGON TULIPS.

Fantastically shaped of gorgeous colors. Fine for forcing. CONSTANTINOPL. Red shaded orange. CRAMOISIE BRILLIANT. Brilliant crimson large flower. LUTEA MAJOR, bright yellow with crimson and green stripes. PERFECTA. Bright yellow, scarlet and green. ABOVE NAMED VARIETIES each 3c; doz. 25c; per 100, \$1.25. Finest Mixed Parrot each 3c. Doz. 20c; per 100, \$1.00.

## LATE OR MAY-FLOWERING TULIPS.

Gorgeous flowers with long stems. Excellent for borders and with shrubbery. BIZARDS. Dark stripes on yellow ground. Finest mixed per doz. 30c; per 100, \$2.00.

## DOUBLE EARLY TULIPS.

GLORIA SOLIS, a7, deep crimson, with broad golden margin, very large. 3c each; 30c per doz.; \$1.75 per 100. LA CANDEUR, b8, pure white, extensively grown for bedding. 3c each; 25c per doz.; \$1.25 per 100. MURILLO, b8, bluish white, shaded rose, large flowers, fine for forcing and bedding. 3c each; 30c per doz.; \$1.25 per 100. REX RUBRORUM, b9, bright crimson scarlet, superb for bedding, large, showy. 4c each; 35c per doz.; \$2.00 per 100. TOURNESOL, a7, scarlet, margined yellow; one of the best for forcing. 4c each; 40c per doz.; \$2.50 per 100. TEA ROSE, c10, Soft, pale yellow, flushed salmon, splendid for forcing. 4c each; 40c per doz.; \$2.75 per 100.

## EARLY TULIPS IN MIXTURES

### FOR BEDDING AND POTS.

DUC VAN THOLL, The earliest of all; of dwarf habit. Fine for early forcing or bedding.

	Each	Per doz.	Per 100
Crimson	3	25	\$1.25
White (Large)	3	25	1.25
Yellow	3	25	1.50
Finest Mixed	3	20	1.00

SINGLE EARLY TULIPS, Superfine quality offered in separate colors and all colors mixed.

	Doz.	Per 100	Per 1000
White	15	\$1.00	\$9.00
Yellow	15	1.00	9.00
Red	15	1.00	9.00
Pink and Striped	15	1.00	9.00
Finest Mixed	10	.75	7.00

DOUBLE EARLY TULIPS. In separate and mixed colors.

	Doz.	Per 100	Per 1000
White	20	\$1.15	\$10.00
Yellow	20	1.15	10.00
Red	20	1.15	10.00
Pink and Striped	20	1.15	10.00
Finest Mixed	15	1.00	9.00

### LATE TULIPS—Continued.

BYBLOOMS. White ground, beautifully blotched pink, crimson, scarlet, rose, blue and purple. Finest mixed, doz. 30c; per 100, \$2.00. GESNERIANA. Beautiful scarlet, fragrant. Per doz. 25c; per 100, \$1.50.

### DARWIN TULIPS

Large, robust flowers of remarkably brilliant colorings on long, strong stems. They are truly the "Aristocrats" among garden tulips, and if forced slowly succeed well in pots. ASA GRAY, dark carmine. Each, 4c; doz. 35c; 100 \$1.75. DREAM, soft lilac, very large, each, 5c; doz. 40c; 100, \$2.50. GLOW, brilliant red, each, 5c; doz. 40c; 100, \$2.50. PRIDE OF HAARLEM, carmine rose. Each, 5c; doz. 40c; 100, \$2.25. GRETCHEN, Light pink. Each, 3c; doz. 25c; 100, \$1.25. Finest Mixed, doz. 30c; per 100, \$1.50.

# Select Named Hyacinths

## DOUBLE VARIETIES.

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Prices include postage at single and dozen rates.

DOUBLE RED AND ROSE.			DOUBLE BLUE.		
	Each.	Doz.		Each.	Doz.
BOUQUET ROYAL, light rose, red center.....	08	90	BLOKSBERG, porcelain striped, large truss.....	08	90
GROOTVORST, pink, large truss and bells.....	08	90	CHAS. DICKENS, dark lavender blue, large truss.....	08	90
LORD WELLINGTON, pale blush, with delicate rose stripe, large bells and massive spike.....	08	90	GARRICK, lilac blue, with bright blue stripes.....	08	90
NOBLE PAR MERITE, rose, large bells, splendid truss.....	08	90	REMBRANDT, dark porcelain, large bell.....	08	90
DOUBLE WHITE.			DOUBLE YELLOW.		
ISABELLA, pure white, fine spike.....	08	90	BOUQUET D'ORANGE, reddish orange, fine spike.....	10	1.00
LA TOUR D'AUVERGNE, pure white, large bells...	08	90	GOETHE, clear, pale yellow, large bells, fine truss..	10	1.00
LA VIRGINITE, bluish white, dwarf, large bells.....	08	90	SOVEREIGN, Pure Yellow.....	10	1.00
PRINCE OF WATERLOO, pure white, large spike..	08	90	WILLIAM III, yellow, with red center, compact spike	10	1.00

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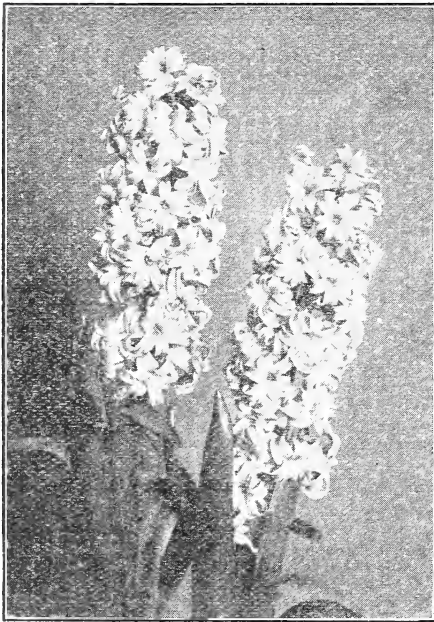
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Red and Rose	White	Blue	Yellow
Gertrude	Baroness von Thuyll	Charles Dickens	Ida
Etna	L-Innocence	Regulus	Bouquet Orange
Bouquet Royal	La Tour d'Auvergne	Garrick	

Price each 6c—per dozen 50c—per 100 \$3.50.

# Choice Mixed or Un-Named Hyacinths

For Bedding and Forcing, in Separate Colors and Mixed Shades.



**DUTCH ROMAN HYACINTHS.**  
Miniature or Dutch Roman.

They 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. 4 cents each, 30 cents per dozen, \$1.75 per 100.

These are made up of varieties selected for beds and borders or for forcing for cut flowers.

### SINGLE VARIETIES.

	Each.	Per doz.	Per 100
Single, Red, mixed shades.....	.05	50	\$2.75
“ Rose.....	.05	50	2.75
“ Pure White.....	.05	50	2.75
“ Blush White.....	.05	50	2.75
“ Dark Blue and Purple.....	.05	50	2.75
“ Light Blue.....	.05	50	2.75
“ Yellow.....	.05	50	2.75
Single Mixed, all colors.....	.05	40	2.50
Per 1000, all colors.....			\$25.00

### DOUBLE VARIETIES.

	Each.	Per doz.	Per 100
Double, Red, mixed shades.....	.05	50	\$2.75
“ Rose.....	.05	50	2.75
“ Pure White.....	.05	50	2.75
“ Blush White.....	.05	50	2.75
“ Dark Blue and Purple.....	.05	50	2.75
“ Light Blue.....	.05	50	2.75
“ Yellow.....	.05	50	2.75
Double Mixed, all colors.....	.05	45	2.50
Per 1000, all colors.....			\$25.00

### EARLY ROMAN HYACINTHS.

Exclusively for Forcing.

These are extensively used by florists for forcing, which may be done at a temperature of 60 degrees. The white variety flowers 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 in other varieties.

	Each.	Per doz.	Per 100
Early White Roman, selected large bulbs.....	.06	60	\$3.75



# TULIPS

For gorgeous and showy colors the Tulip is unsurpassed. Beds of Tulips in contrasting or blended shades bursting into a mass of gorgeous bloom after a dreary Winter, are of indescribable beauty and attractiveness. In pots they force easily, requiring same treatment as for Hyacinths in pots and produce best effects when 6 to 12 are planted in a pan or box together. For beds treat as for Hyacinths, setting the bulbs four to five inches apart and three to four inches deep. If the soil is light plant deep, if stiff plant shallow.

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.

## SINGLE EARLY TULIPS. NAMED SORTS.

6 sold at dozen rates, 25 at 100 rates. Postage included at single and dozen rates.

	Each	Per doz.	Per 100
ARTUS b7, scarlet, fine bold flowers, good for forcing and bedding.....	3	20	\$1.00
BELLE ALLIANCE b7, brilliant scarlet, large flower, sweet scented, fine for bedding and forcing.....	3	30	1.75
CHRYSOLORA b9, pure yellow, large and handsome flower; finest yellow bedder.....	3	25	1.50
COTTAGE MAID b6, rosy pink, edged with white, a charming variety; for bedding and late forcing.....	3	25	1.25
DUCHESSE DE PARMA b9, brownish red with yellow border, large flower; good forcer and bedder.....	3	25	1.25
JACOBA VAN BEIEREN b7, pure white, strong, tall stem. Fine bedder.....	3	25	1.25
KEIZERSKROON b9, deep crimson, with broad orange-yellow margin, large and effective.....	4	35	2.00
LA REINE. (Queen Victoria) b6, white slightly shaded rose; good variety for bedding or forcing.....	3	20	1.00
POTTEBAKER SCARLET a8, bright scarlet, very large and fine flower.....	3	30	1.50
“ WHITE a8, pure white, fine large showy flower.....	4	35	2.00
“ YELLOW a8, large fine bright golden yellow, excellent forcer.....	3	30	1.50
PROSERPINE a8, carmine rose, rich, silky, and effective, beautifully shaped large flower.....	4	40	2.50
YELLOW PRINCE, b7, golden yellow, extra large and showy, scented as a Tea Rose.....	3	25	1.50
Collections 12 of above select named Tulips, our selection, colors separate.....			.25
100 “ “ “ “ “ “.....			1.50
1000 “ “ “ “ “ “.....			12.50

Special prices in 1000 lots, (customers selection), on request.



TOURNESOLE TULIPS.

## PARROT OR DRAGON TULIPS.

Fantastically shaped of gorgeous colors. Fine for forcing.  
**CONSTANTINOPEL.** Red shaded orange.  
**CRAMOISIE BRILLIANT.** Brilliant crimson large flower.  
**LUTEA MAJOR,** bright yellow with crimson and green stripes.  
**PERFECTA.** Bright yellow, scarlet and green.  
**ABOVE NAMED VARIETIES** each 3c; doz. 25c; per 100, \$1.25.  
 Finest Mixed Parrot each 3c. Doz. 20c; per 100, \$1.00.

## LATE OR MAY-FLOWERING TULIPS.

Gorgeous flowers with long stems. Excellent for borders and with shrubbery.  
**BIZARDS.** Dark stripes on yellow ground. Finest mixed per doz. 30c; per 100, \$2.00.

## DOUBLE EARLY TULIPS.

**GLORIA SOLIS, a7,** deep crimson, with broad golden margin, very large. 3c each; 30c per doz.; \$1.75 per 100.  
**LA CANDEUR, b8,** pure white, extensively grown for bedding. 3c each; 25c per doz.; \$1.25 per 100.  
**MURILLO, b8,** bluish white, shaded rose, large flowers, fine for forcing and bedding. 3c each; 30c per doz.; \$1.25 per 100.  
**REX RUBRORUM, b9,** bright crimson scarlet, superb for bedding, large, showy. 4c each; 35c per doz.; \$2.00 per 100.  
**TOURNESOL, a7,** scarlet, margined yellow; one of the best for forcing. 4c each; 40c per doz.; \$2.50 per 100.  
**TEA ROSE, c13,** Soft, pale yellow, flushed salmon, splendid for forcing. 4c each; 40c per doz.; \$2.75 per 100.

## EARLY TULIPS IN MIXTURES

### FOR BEDDING AND POTS.

**DUC VAN THOLL,** The earliest of all; of dwarf habit. Fine for early forcing or bedding.

	Each	Per doz.	Per 100
Crimson.....	3	25	\$1.25
White (Large).....	3	25	1.25
Yellow.....	3	25	1.50
Finest Mixed.....	3	20	1.00

**SINGLE EARLY TULIPS,** Superfine quality offered in separate colors and all colors mixed.

	Doz.	Per 100	Per 1000
White.....	15	\$1.00	\$9.00
Yellow.....	15	1.00	9.00
Red.....	15	1.00	9.00
Pink and Striped.....	15	1.00	9.00
Finest Mixed.....	10	.75	7.00

**DOUBLE EARLY TULIPS.** In separate and mixed colors.

	Doz.	Per 100	Per 1000
White.....	20	\$1.15	\$10.00
Yellow.....	20	1.15	10.00
Red.....	20	1.15	10.00
Pink and Striped.....	20	1.15	10.00
Finest Mixed.....	15	1.00	9.00

## LATE TULIPS—Continued.

**BYBLOOMS.** White ground, beautifully blotched pink, crimson, scarlet, rose, blue and purple.  
 Finest mixed, doz. 30c; per 100, \$2.00.

**GESNERIANA.** Beautiful scarlet, fragrant. Per doz. 25c; per 100, \$1.50.

## DARWIN TULIPS

Large, robust flowers of remarkably brilliant colorings on long, strong stems. They are truly the "Aristocrats" among garden tulips, and if forced slowly succeed well in pots.

**ASA GRAY,** dark carmine. Each, 4c; doz. 35c; 100 \$1.75.  
**DREAM,** soft lilac, very large, each, 5c; doz. 40c; 100, \$2.50.  
**GLOW,** brilliant red, each, 5c; doz. 40c; 100, \$2.50.  
**PRIDE OF HAARLEM,** carmine rose. Each, 5c; doz. 40c; 100, \$2.25.  
**GRETCHEN,** Light pink. Each, 3c; doz. 25c; 100, \$1.25.  
 Finest Mixed, doz. 30c; per 100, \$1.50.

# Narcissus

COMMONLY CALLED JONQUILS, DAFFODILS, ETC.



Among the most popular of all bulbs and wonderfully attractive in borders and among shrubbery as well as delightful for house decoration or wearing.

**CULTURE**—Among hardy varieties Emperor, Empress, Trumpet Major and Von Sion are excellent for growing in pots or trays, planting 12 or more together and treating like "Hyacinths in Pots." Out of doors they are planted about 3 inches deep in borders or clumps.

The double and single sorts are perfectly hardy and need not be disturbed oftener than once in three or four years, and not then unless they have become too much crowded by offsets. Plant in the Fall in good garden soil, about three or four inches deep and three to six inches apart.

## HARDY GARDEN NARCISSUS.

### Single Varieties

	Per Each	Per doz.	Per 100
<b>BARRI CONSPICUUS.</b> Yellow petals, very fine scarlet cup, extra for early forcing.....	02	20	\$1.00
<b>EMPEROR.</b> One of the finest Daffodils in cultivation. Flower of the richest yellow; trumpet of immense size, the petals of the perianth measuring 3½ inches across.....	05	35	\$2.00
<b>EMPRESS.</b> A magnificent large variety, pure white, with yellow trumpet; bold and erect, and the best of the two-colored trumpets.....	05	35	2.00
<b>GOLDEN SPUR.</b> True golden yellow, very early, excellent for forcing. One of the most popular.....	05	35	2.00
<b>POETICUS ORNATUS.</b> (Poet's or Pheasant's Eye.) Large pure white flowers, saffron cup, tinted with rosy scarlet; very early.....	03	25	1.00
<b>PRINCEPS AJAX.</b> Large flowers with yellow trumpet, cream petals.....	03	20	1.00
<b>BICOLOR VICTORIA.</b> White perianth with yellow trumpet. Very fine.....	03	25	2.00
<b>SIR WATKIN.</b> Perianth sulphur, crown yellow, tinged bright orange. Extra for forcing. Long stems, extra large double nosed bulbs.....	05	35	2.00
<b>TRUMPET MAJOR.</b> Large golden yellow, fine forcer.....	03	25	1.50
<b>MIXED VARIETIES.</b> .....	03	20	1.00

### DOUBLE VARIETIES.

**ALBA PLENA ODORATA.** The double Poeticus. Flowers pure white, large and very fragrant, one of the finest for all purposes. Each, 3c; per doz. 25c; per 100, \$1.00.

**VON SION.** The famous "Old Double Yellow Daffodil" rich golden yellow perianth and trumpet, one of the best forcing sorts. Each, 4c; per doz. 35c; per 100, \$2.00.

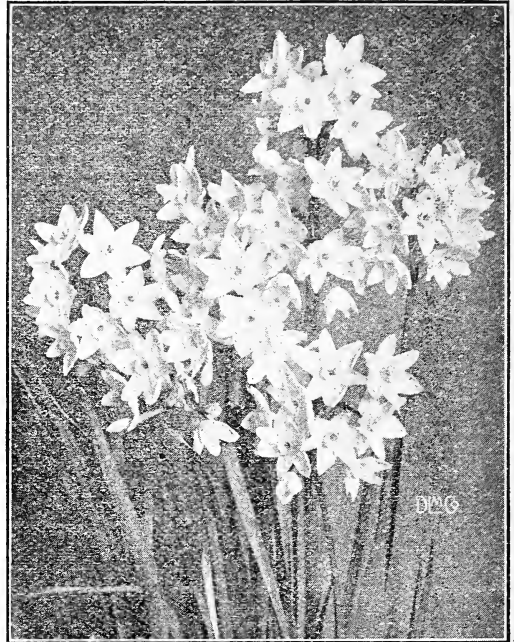
## JONQUILS.

Smaller flowers than Narcissus with shallow cups and of deep, golden yellow color.

**SINGLE SWEET SCENTED,** per doz. 15c. Per 100 75c.  
**DOUBLE SWEET SCENTED,** per doz. 30c; per 100, \$2.00.  
**CAMPERNELLE.** The largest flowered Jonquil. Excellent for forcing and cutting. Per doz. 15c; per 100, 75c.

## POLYANTHUS NARCISSUS.

For hot and greenhouse culture, blooming very early and producing their flowers in clusters. If planted out-doors they require a protection of litter or leaves.

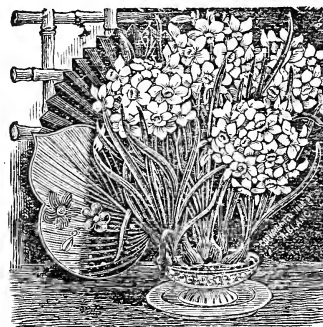


## PAPER WHITE GRANDIFLORA NARCISSUS.

	Per Each	Per doz.	Per 100
<b>PAPER WHITE GRANDIFLORA.</b> Large trusses of pure white flowers, splendid forcer.....	04	35	\$1.50
<b>GRAND MONARQUE.</b> Pure white flowers of largest size, with yellow cups; borne on large heads.....	05	50	2.50
<b>GRAND SOLIEL D'OR.</b> Rich yellow with orange cup.....	05	50	2.50

## CHINESE SACRED NARCISSUS.

### ORIENTAL NARCISSUS, SACRED LILY, JOSS FLOWER, ETC.



They grow well in pots of soil, but 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.

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.  
**Extra Large Bulbs,** each 15 cents. Two for 25 cents.  
 Per dozen, \$1.25.  
**By Mail, Postage Extra, 15 cents per dozen.**

# Crocus

One of the earliest blooming bulbs and very pretty and effective when planted in the turf or in set beds.

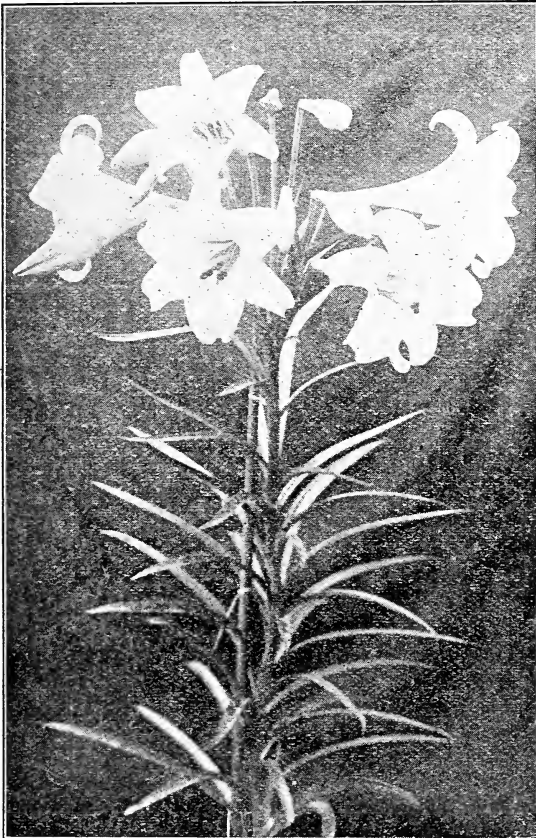
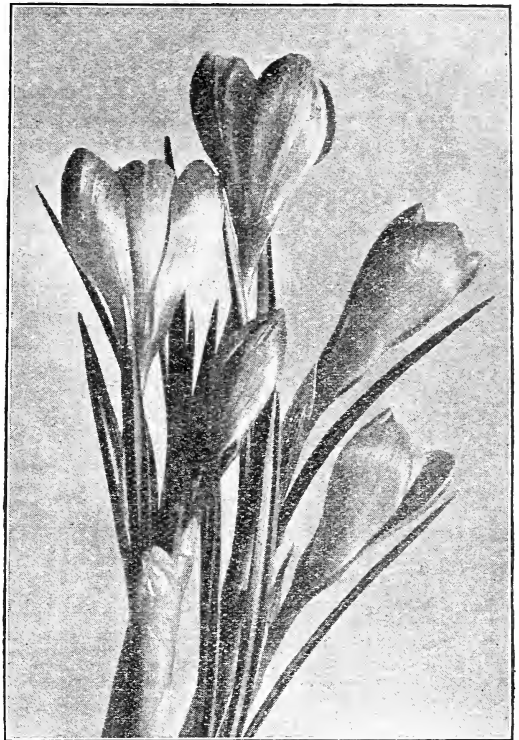
Crocus should be planted in October or November. Set the bulbs two inches apart and cover with not more than two inches of earth. The named varieties make large blooms and are admirably suited for cultivation in pots, shallow bowls, window boxes, etc., and when so grown the roots should be planted closely together to produce a good effect.

### NAMED CROCUS.

Price, all Varieties, doz. 15c; per 100, 75c.  
 Baron von Bruno—Dark blue.  
 Cloth of Gold—Yellow and brown.  
 Cloth of Silver—White and lilac.  
 Mont Blanc—Pure White.  
 Sir Walter Scott—White, blue striped.  
 Mammoth Yellow—Large bulbs.

### MIXED CROCUS

	Per Doz.	Per 100	Per 1000
White.....	10	60	\$5 00
Blue.....	10	60	5.00
Striped.....	10	60	5.00
Yellow.....	10	60	5.00
Mixed.....	10	50	4.00



BERMUDA EASTER LILY.

# Lilies

## THE BERMUDA EASTER LILY.

(Lilium Harrisii.)

The most popular and easiest of all Lillies for growing in pots  
**CULTURE.**—Plant in a 6 or 7 inch pot in good, loamy, rich soil setting the bulb 2 inches below the surface. Treat as for Hyacinths in pots.

Extra Large Bulbs, 20c each; \$2.00 per doz.  
 Large Bulbs 15c each; \$1.50 per doz.

### LILIUM CANDIDUM.

(Madonna Lily.)

A very early blooming variety of snowy whiteness, which is one of the most popular for garden and can be readily forced.

	Each	Doz.
Extra Large Bulbs.....	.15	\$1.50
Large Bulbs.....	10	1.00

### LILIUM AURATUM.

Ready About November 1st.

"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 Lilium Harrisii.

	Each	Per doz.
Extra Strong Bulbs.....	20	\$2.00
Large Bulbs.....	15	1.50

### LILIUM SPECIOSUM.

Ready About November 1st.

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

ROSEUM, white, suffused and spotted with rose ..	15	\$1.50
RUBRUM, white, suffused and spotted crimson....	15	1.50

## CALLA LILIES

An old favorite, and of easy culture, 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 next winter. White Calla or Lily of the Nile. This old favorite is too well known to require any description.

	Each	Per doz
Extra Large Bulbs.....	20	\$2.00
Large Bulbs.....	15	1.50

# Miscellaneous Bulbs for Fall Planting

**CULTURE IN POTS**—Where bulbs are small, plant 6 to 12 in a 5 or 6 inch pot. Water and place them awhile in the dark. Large bulbs one or more can be planted together.

**OUT OF DOORS**—Small bulbs should be set 2 or 3 inches deep, large bulbs 3 to 5 inches deep. The ground should be well spaded before planting and if not rich, work in well rotted manure.

## 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. 3c each; 25c per dozen; \$1.25 per 100.

## ANEMONES (Wind Flowers.)

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 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.

	Each	Doz.	Per 100
Double Mixed, extremely handsome double flowers.....	03	30	\$2.00
Single Mixed, in great variety.....	03	15	1.00

## CHIONODOXA (Glory of the Snow.)

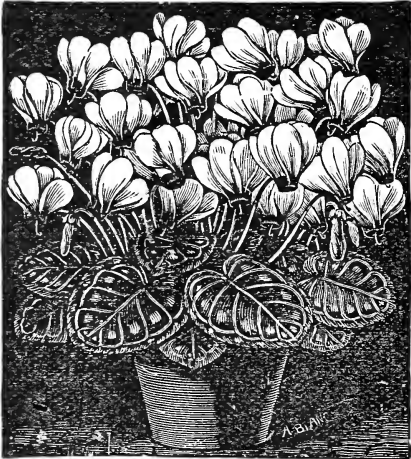
Hardy, early flowering bulbs, with spikes of beautiful blue flowers with pure white center. The flowers and spikes are more than twice the size of the Scilla Siberica, and require the same culture.

Lucilae, blue, white eye. 3c each; 25c doz.; \$1.25 per 100.

## COLCHICUM AUTUMNALE. (Air Plant.)

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

	Each	Per doz.
Finest Mixed.....	10	.75



## 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, postpaid, 25c each; \$2.00 doz.

## DIELYTRA, OR "BLEEDING HEART."

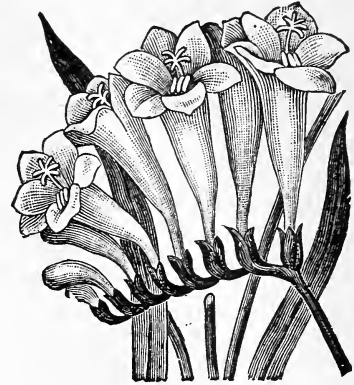
Ready in October.

One of the most ornamental of hardy spring flowering plants with elegant green foliage and long drooping racemes of heart-shaped pink and white flowers. This is deemed one of the finest of all hardy garden plants.

Large flowering roots. 15c each; \$1.50 per dozen.

If sent by mail, 20c each.

## FREESIA



One of the most popular and charming bulbs for pot culture, flowering in the Winter and Spring in the conservatory or window garden. Eight to twelve bulbs should be planted in a six-inch bulb-pan and covered one inch. 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.

**PURITY**—A new variety, magnificent, showy, glistening white. Very large on long stems. Large Bulbs, each, 5c; per doz. 30c; per 100, \$2.00.

**REFRACTA ALBA**—Pure white with yellow blotched throat Very fragrant.

	Per doz.	Per 100
Large Bulbs.....	15	\$1.00
Mammoth Bulbs.....	20	1.25

## IRIS.

### (FLEUR DE LIS.)

The Iris or flowering Flag is well known and universally popular. They bloom from May to July.

### SPANISH IRIS. (Iris Hispanica.)

These have appropriately been called the "Orchids of the Hardy Flower Garden." They are of the simplest culture, succeeding in almost any soil or position. The bulbs should be planted two to three inches deep and six inches apart, early enough in the autumn to allow them to make some growth before hard frost comes.

Belle Chinoise, golden yellow, the earliest of all.

Blanchard, white tinted lilac, very long stem.

King of the Blues, (Count of Nassau) rich, dark blue, one of the best.

The above varieties 3c each; 15c doz.; \$1.00 per 100.

**FINEST MIXED.** All colors. 3c each; 15c per doz.; 75c per 100

### ENGLISH IRIS. (Iris Anglica.)

Handsome and of rich colors. The flowers are larger than the Spanish Iris and about 2 weeks later. Perfectly hardy and excellent for forcing.

Alba Grandissima—Large flowering white.

King of the Blues—Dark blue.

Blue Celeste—Sky blue.

Penelope—White and violet.

Named Varieties, above, each, 5c; doz. 50c; 100, \$2.50.

Finest Mixed Varieties, doz. 25c; per 100, \$1.75.

### GERMAN IRIS (Iris Germanica).

(True Fleur-de-Lis).

Choice Mixed, 15c each; \$1.50 per doz. \$10.00 per 100.

### JAPANESE IRIS (Iris Kaempferi.)

These flowers often measure ten to twelve inches in diameter, and are of the most varied and beautiful colors. They require rich, moist soil. Our collection is a direct importation from Japan and is remarkably fine. Named varieties; strong clumps.

Each, 30c; By mail, 35c each; per doz. \$3.00.

Choice Mixed Sorts. Each 25c; doz. \$2.50; per 100, \$15.00.

# Lily of the Valley

(Ready in November)

Modest, sweet-scented favorites which succeed in shady or moist situations, increasing in numbers from year to year. They should be planted in a permanent place where they will not have to be disturbed.

**FOR FORCING**, the Pips are planted in trays thickly, then well watered and kept out in the cold. These trays are then brought into a warm greenhouse as many as desired for flowering at a time.

**FOR OUT OF DOORS**—Clumps or pips may be used, the pips producing the best flowers the first year, but the clumps make a larger number of flowers at less cost.

**BERLIN PIPS**—Selected 30c per Doz. \$1.75 per 100.

**STRONG CLUMPS**—30c each. \$3.00 per Doz.

## ORNITHOGALUM ARABICUM.

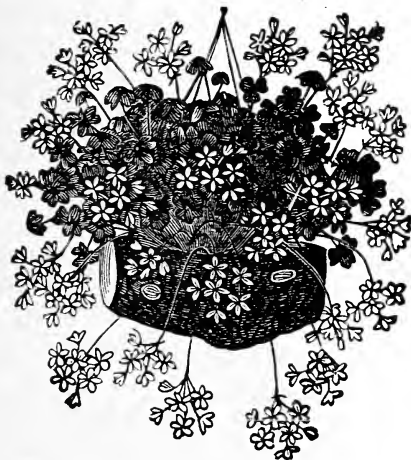
Star of Bethlehem.

Flowers, pure white, with black center, borne in clusters on stalks from 15 to 18 inches high; perfectly hardy; excellent for the open border. Also largely grown for greenhouse and window decoration. Each, 4 cents; doz. 40 cents; 100, \$2.00.

## OXALIS.

A 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 . . . .	03	.20
BOWEL, bright crimson . . . . .	03	.20
BUTTERCUP, large, free flowering sort of a bright buttercup, yellow; plant robust and profuse bloomer . . . . .	03	20
CERNUA, fine yellow, one of the best . . . . .	03	20
ROSEA, Rose . . . . .	03	20
CHOICEST MIXED, all colors . . . . .	02	15



OXALIS IN HANGING POT



## LILY OF THE VALLEY PEONIES

Well known and very popular herbaceous Perennials, bearing large, double flowers in all shades from purest white to deepest crimson. The varieties we offer are among the best of the Named Sorts and our Mixed Varieties embrace a vast class of all sorts and range of colors.

**NAMED SORTS**, White, pink, light rose, dark pink, light crimson, deep red, etc. Price, each 25c; dozen, \$2.50.

**Mixed Varieties**, each 15c; per dozen, \$1.50.

## RANUNCULUS.

One of the most attractive of dwarf flowers, excelling in beauty of form and bright colors. Fine for growing in pots in the winter, or should be planted early in the spring in rich soil, strongly manured the year before planting.

	Per doz.	Per 100
French . . . . .	10	\$ .75
Persian . . . . .	15	1.00
Turban . . . . .	15	1.00

## 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**, flowers of richest blue, dwarf and hardy, excellent planted with Crocus and Snowdrops. Each, 3 cents; per doz. 25 cents; per 100, \$1.25.

**SIBERICA ALBA**. Pure white, very fine. 25c doz.; \$1.25 per 100.

## 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.

	Per doz.	Per 100
Double . . . . .	25	\$1.50
Single . . . . .	15	.75
Elwesii . . . . .	15	1.00

## 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 doz.; \$1.00 per 100.

## SPIREA OR ASTILBE.

Ready in November.

**JAPONICA**. 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 windows or greenhouse. It is also a beautiful object in the garden, being perfectly hardy. 15c each; \$1.50 per doz.; \$7.50 per 100.

## STANDARD FLOWER POTS AND SAUCERS

FLOWER POTS.	Each	Doz.	100
2 inch . . . . .	\$0.02	\$0.15	\$0.80
3 inch . . . . .	.03	.25	1.25
4 inch . . . . .	.04	.30	2.00
5 inch . . . . .	.05	.40	3.00
6 inch . . . . .	.06	.60	4.50
7 inch . . . . .	.08	.90	7.00
8 inch . . . . .	.12	1.25	9.00
9 inch . . . . .	.15	1.75	14.00
10 inch . . . . .	.25	2.50	.....
12 inch . . . . .	.40	4.50	.....

SAUCERS.	Each	Doz.
4 inch . . . . .	\$0.03	\$0.25
5 inch . . . . .	.03	.30
6 inch . . . . .	.05	.40
7 inch . . . . .	.05	.50
8 inch . . . . .	.07	.70
9 inch . . . . .	.10	.90
10 inch . . . . .	.12	1.00
12 inch . . . . .	.15	1.50

# FLOWER SEEDS

FOR FALL AND WINTER SOWING.

The following list of Flower Seeds has been carefully revised, and contains only the leading varieties of acknowledged merit, carefully selected and thoroughly tested. Annuals grow from the seeds, bloom and perish in one season; biennials generally bloom the first and second years and then die; perennials bloom the second year and every year thereafter, some perishing after three or four years, others continue indefinitely. Some perennials, if started early, bloom the first year.

ALL FLOWER SEEDS SENT FREE BY MAIL ON RECEIPT OF PRICE.

FULL CULTURAL DIRECTIONS ON EACH PACKAGE.

Abutilon.—(Chinese Bell Flower.)	Finest mixture. Half Hardy. Perennial	.....	10 cts. pkt.
Achillea.—The Pearl.	Pure white double flowers. Excellent cemetery plant; hardy perennial	..... 3 pkts. 25 cts.,	10 cts. pkt.
Alyssum.—Sweet.	Flowers pure white	..... oz. 25 cts.,	5 cts. pkt.
“ Little Gem.—Dwarf.	Finest mixed	..... oz. 40 cts.,	5 cts. pkt.
Antirrhinum (Snapdragon).—Dwarf.	Compact habit, pure white flowers	.....	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).—Large Double White,	with long stems, fine for cutting	..... 3 pkts. 25 cts.,	10 cts. pkt.
“ “ Double Mixed.	Extra fine	..... 3 pkts. 25 cts.,	10 cts. pkt.
Campanula. Single.	Finest mixed. All colors	.....	5 cts. pkt.
“ “ Double.	Finest mixed. All colors	.....	5 cts. pkt.
Candytuft—White Rocket.	Pure white large truss	..... oz. 20 cts.,	5 cts. pkt.
Carnation.—Extra Choice Mixed.	From the finest named varieties	..... 3 pkts. 25 cts.,	10 cts. pkt.
“ “ Marguerite.	Finest mixed; excellent for cutting	..... ¼ oz. 50 cts.,	5 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 with broad fringed petals on long stems; excellent for cutting.	.....	.....	10 cts. pkt.
“ “ Hardy perennial.	.....	3 pkts. 25 cts.,	10 cts. pkt.
Cyclamen Giganteum.—One of the most beautiful Winter and Spring blooming plants for the conservatory or parlor culture	.....	3 pkts. 60 cts.,	25 cts. pkt.
Delphinium Elatum (Bee Larkspur).	Rich deep blue, very free bloomer, 4 feet	.....	5 cts. pkt.
“ “ Kelway's New Hybrid.	The finest strain of Larkspurs. The flower spikes are stiff and strong, crowded with flowers, double and single, shading from light blue to the intensest indigo and purple shades. Extra fine	3 pkts. 40 cts.,	15 cts. pkt.
Digitalis (Foxglove).	A splendid strain. Finest mixed	.....	5 cts. pkt.
Dianthus (Pinks). Hardy biennials.	Chinensis fl pl—(Chinese Pink). Finest double mixed	.....	5 cts. pkt.
“ “ Heddewigii fl pl—Finest double mixed	.....	.....	5 cts. pkt.
“ “ Heddewigii Single—Finest mixed	.....	.....	5 cts. pkt.
“ “ Laciniatus Single—Finest mixed, very beautiful, deeply fringed	.....	.....	5 cts. pkt.
“ “ Laciniatus, fl pl—Flowers very large and deeply fringed	.....	.....	5 cts. pkt.
Hollyhock.—Chater's Prize Mixed.	The finest strain grown	..... 3 pkts. 25 cts.,	10 cts. pkt.
“ “ Double.	Finest mixed	..... 3 pkts. 25 cts.,	10 cts. pkt.
Mignonette (Reseda Odorata).	Miles' Hybrid Spiral—Profuse bloomer, very fragrant	..... 25 cts. oz.,	5 cts. pkt.
“ “ Golden Queen—A very beautiful new variety, flowers bright, flowers bright, very effective	.....	.....	5 cts. pkt.
“ “ Sweet	.....	15 cts. oz.,	5 cts. pkt.
“ “ Maçhet—The finest variety for pot culture, sweet scented red flowers	.....	25 cts. oz.,	5 cts. pkt.
Myosotis (Forget-me-not) Palustris—Blue	.....	.....	5 cts. pkt.
Pansy Hardy Perennial. Bugnot, Cassier and Odier Strains—Superb mixture of unsurpassed quality	.....	.....	15 cts. pkt.
“ “ Improved Giant Trimardeau—Greatly improved in the enormous size of flowers, fine form and increased varieties of colors	.....	.....	10 cts. pkt.
“ “ J. C. McCullough's Mixture—Flowers very large and beautifully marked, plants neat and compact	.....	.....	15 cts. pkt.
“ “ Choice Large Flowering—Mixed, splendid strain	.....	.....	10 cts. pkt.
“ “ Fine Mixed—Large flowering	.....	75 cts. oz.,	5 cts. pkt.
Poppy (Papaver). Iceland—Mixed	.....	.....	5 cts. pkt.
“ “ Orientale—Superb scarlet flowers, often 6 inches across, hardy perennial	.....	.....	5 cts. pkt.
Primula (Chinese Primrose). Sinensis—Double mixed	.....	.....	15 cts. pkt.
“ “ Sinensis—Mixed	.....	.....	15 cts. pkt.
“ “ Primula Obconica—Almost ever blooming, flowers white, tinged with lilac	.....	.....	10 cts. pkt.
Pyrethrum (Feverfew). Annual Double Pure White—1½ foot.	.....	.....	5 cts. pkt.
“ “ Golden Feather—Golden foliage, one of the best bedding plants, 1 foot	.....	.....	5 cts. pkt.
“ “ Roseum—Persian insect powder plant, half-hardy perennial	.....	.....	5 cts. pkt.
Shasta Daisy. A grand, large-flowering Daisy, hardy, robust growth and produces larger and finer flowers each season as the plants increase in strength	.....	3 pkts. 50 cts.,	20 cts. pkt.
Smilax. One of the most decorative climbing plants for house culture; tender perennial	.....	oz. 60 cts.,	5 cts. pkt.
Verbena. Half-hardy Perennials. Defiance—Beautiful, deep scarlet	.....	.....	10 cts. pkt.
“ “ Italian Striped—Mixed	.....	.....	10 cts. pkt.
“ “ Candidissima—The best pure white	.....	.....	10 cts. pkt.
“ “ Choice Mixed—Saved only from the most beautiful named flowers	.....	.....	10 cts. pkt.
“ “ Fine Mixed	.....	.....	5 cts. pkt.
Vinca (Madagascar Periwinkle). Fine Mixed	.....	.....	5 cts. pkt.
Sweet William (Dianthus Barbatus). Hardy Perennials. Fine—Single mixed	.....	.....	5 cts. pkt.
“ “ “ Finest—Double mixed	.....	.....	10 cts. pkt.

PLANT THE SEEDS OF HARDY PERENNIALS THIS FALL, AND BE REWARDED BY AN ABUNDANCE OF FLOWERS FOR YEARS.

# Ornamental Flowering Shrubs

<b>ALTHEA</b> (Rose of Sharon). The Altheas are among the most valuable of our hardy Shrubs on account of their late season of blooming, which is from August to October a period during which but few shrubs or trees are in flower. They are also extensively used as hedge plants, for which they are admirably adapted.			
	Each	Doz.	
" <b>BOULE-DE-FEU</b> , deep fiery red.....	50	\$5.00	
" <b>JEANNE D'ARC</b> , double white.....	50	5.00	
" <b>MEEHANI</b> , beautifully variegated foliage with satiny lavender colored flowers, single fully open and free blooming....	50	5.00	
" <b>PURPUREA</b> , large single purple.....	50	5.00	
" <b>TOTUS ALBUS</b> , single pure white.....	50	5.00	
" <b>VARIEGATED LEAVES</b> , leaves conspicuously margined creamy white, flowers double purple.....	50	5.00	
" <b>DOUBLE ROSE, DOUBLE WHITE AND DOUBLE PURPLE</b> .....	50	5.00	
" <b>SMALL PLANTS</b> .....	30	3.00	
	Each	Per doz.	
<b>BERBERIS PURPUREA</b> (Purple-leaved Barberry), an interesting shrub growing 3 to 5 feet high with violet purple foliage and fruit; very effective in groups and masses, or planted by itself.			
Small plants.....	25	\$2.50	
Strong plants.....	50	5.00	
<b>BERBERIS THUNBERGII</b> —A beautiful Japan variety of dwarf habit. Small foliage, assuming the most varied and beautiful tints of coloring in the autumn; very desirable for grouping and a grand hedge plant.....			
Strong plants.....	30	3.00	
	50	5.00	
	Each	Doz.	
<b>CALYCANTHUS FLORIDUS</b> (Sweet-Scented Shrub).—Flowers fragrant, like strawberries; double and of a chocolate color.....			
	25	\$2.50	
<b>CORNUS FLORIDA</b> (White Flowering Dogwood). The flowers, produced in spring before the leaves appear, are from 3 to 3½ inches in diameter, white and very showy. They begin to appear as the Magnolia flowers are fading, and are invaluable for maintaining a succession of bloom. Foliage grayish green, glossy and handsome, and in the autumn turns to a deep red; one of the most showy flowering trees; 5 to 6 feet.....			
	\$1.00	\$10.00	
<b>CORNUS FLORIDA RUBRA</b> (Red-flowering Dogwood). A rare variety, similar to the common type except in color of the flowers, which are rich rosy-red. The two varieties make a fine contrast. 2 to 3 feet.....			
	1.25	12.00	
<b>CORNUS SANGUINEA</b> (Red Twigg'd Dogwood). A strong growing bush, with crimson-colored branches, especially attractive in winter.....			
	30	3.00	
<b>CORYLUS PURPUREA</b> (Purple Leaved Filbert). A conspicuous shrub with large dark leaves; distinct and fine.....			
	60	6.00	
<b>DEUTZIA GRACILIS</b> , a dwarf bush, covered with spikes of pure white flowers in early summer ...			
	25	2.50	
<b>DEUTZIA LEMOINEI</b> —Flowers pure white, borne on stout branches, which are of upright growth. Habit dwarf and free flowering. A decided acquisition.....			
	25	2.50	
Extra strong plants.....	50	5.00	
<b>EUONYMUS EUROPAEUS</b> (Burning Bush).—A conspicuous shrub, in the autumn and winter, when loaded with scarlet seed pods, from which the orange-colored berries hang on slender threads, 3 feet.....			
	30	3.00	
Extra strong plants.....	50	5.00	
<b>FORSYTHIA FORTUNEI</b> (Golden Bell)—of upright growth, deep green foliage and bright yellow flowers in April.....			
	30	3.00	Doz.
Extra strong plants.....	50	5.00	5.00
<b>FORSYTHIA VIRIDISSIMA</b> (Golden Bell)—foliage deep green; flowers bright yellow, a fine hardy shrub and one of the earliest to flower in spring.			
	30	3.00	
Extra strong plants.....	50	5.00	
<b>FRINGE, PURPLE OR SMOKE TREE</b> ( <i>Rhus Cotinus</i> )—has very curious bloom, which when covered with dew resembles a cloud of smoke or mist.....			
	30	3.00	
Extra strong plants.....	50	5.0	
<b>HYDRANGEA PANICULATA GRANDIFLORA</b> .—This is the finest shrub in cultivation, and endures heat and cold extremely well. The flowers, which are borne in dense pyramidal panicles in the greatest profusion, are white when they first open, but gradually change to rose and remain in good condition for weeks.....			
	30	3.00	
Extra strong plants.....	50	5.00	
<b>HYDRANGEA PANICULATA GRANDIFLORA</b> Standard or Tree Shaped. These are fine specimen plants, four and five years old, trained to tree shape with about three feet of straight stem and nicely shaped heads, should bloom profusely the first year. ....			
	50	5.00	
Extra strong plants.....	75	7.50	
<b>LILAC, NAMED VARIETIES</b> ,—Standard or tree shaped plants.....			
	60	6.00	
<b>LILAC COMMON</b> ( <i>Syringa Vulgaris</i> )—the common purple species, and one of the best, 3 feet... ..			
	25	2.50	
<b>LILAC COMMON WHITE</b> ( <i>S. Vulgaris alba</i> ).—Flowers pure white; very fragrant, 2 feet.....			
	25	2.50	
Extra strong plants.....	50	5.00	
<b>PHILADELPHUS CORONARIUS</b> (Mock Orange or <i>Syringa</i> ).—A well known shrub, with pure white, highly scented flowers. One of the first to flower.....			
	25	2.50	
Extra strong plants.....	50	5.00	
<b>PYRUS JAPONICA</b> (Japan Quince).—Blooms in early spring; flowers dazzling scarlet. Makes an excellent hedge, 3 feet.....			
	30	3.00	
<b>NOWBALL OR HIGH BUSH CRANBERRY</b> ( <i>Opulis</i> ).—Handsome and dense foliage; flowers white, in drooping cymes, followed by brilliant scarlet edible berries, which hang until late in the winter.....			
	25	2.50	
<b>SPIREA VAN HOUTTII</b> . The grandest of all the Spireas; it is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom. Clusters of 20 to 30 flat white florets make up the racemes, and these clusters are set close along the drooping stems. Perfectly hardy and an early bloomer.			
	25	2.50	
Extra strong plants.....	50	5.00	
<b>WEIGELIA EVA RATHKE</b> —A charming variety, flowers brilliant crimson, a beautiful, distinct, clear shade.....			
	30	3.00	
Extra strong plants.....	50	5.00	
<b>WEIGELIA ROSEA NANA VARIEGATA</b> —Leaves beautiful margined creamy white; flowers pink. It is a dwarf grower, and adapted to small lawns or gardens, 3 feet.....			
	30	3.00	
Extra strong plants.....	50	5.00	

WE ARE PREPARED TO FURNISH AT SPECIAL PRICE, LARGE SPECIMEN PLANTS OF SEVERAL VARIETIES OF ORNAMENTAL FLOWERING SHRUBS AND TREES THAT WILL PRODUCE AN IMMEDIATE EFFECT WHEN PROPERLY PLANTED.

# Hedge Plants

ALTHEA—See page 11

BERBERIS—See page 11.

OSAGE ORANGE,—This is still used extensively on farms and along highways. It makes a strong defensive hedge that will turn cattle; should be planted in double rows, six to nine inches apart in a row. Strong two-year-old plants . . . . . 60c per 100; \$5.00 per 1,000.

PRIVET AMURENSE (Amoor River). A hardy variety with large, oblong, glossy green foliage. Extra heavy plants \$1.50 per doz.; \$10.00 per 100

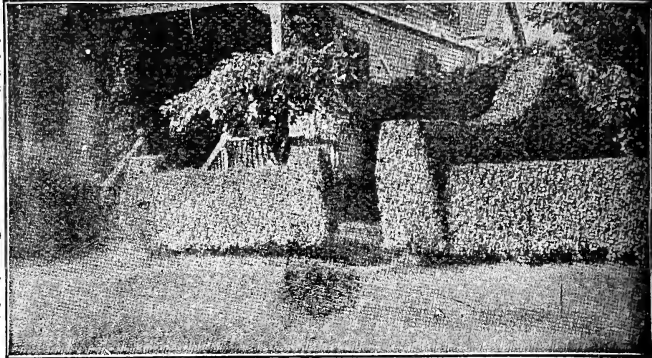
PRIVET, CALIFORNIA (*Ligustrum Ovalifolium*).—Of all ornamental hedge plants, this is the most popular, and more of it is planted than all others combined. Its foliage is a rich, dark green, and is nearly ever-green, remaining on the plant until mid-winter. It is of free growth and succeeds under the most adverse conditions, such as under dense shade of trees, where other plants would not exist. The most advantageous manner of planting is in double rows, the two rows being about eight inches apart. The plants should be set 12 to 15 inches apart in the row, alternating the plants. In order to secure a dense hedge from the base up, the plants should be severely pruned the first two seasons.

2 Year Old Plants, 75c doz.; \$4.00 per 100.  
3 Year Old Plants, \$1.00 doz.; \$6.00 per 100.

Extra Large Bushy Plants, \$1.50 per doz.; \$10.00 per 100.

SPIREA VAN HOUTTEI—One of the most beautiful of all hedge plants. One mass of white when in bloom, and still beautiful in form and foliage, until frost removes the leaves.

18 to 24 inches, \$1.50 dozen; \$10.00 per 100.  
2 to 3 feet, \$2.00 dozen; \$15.00 per 100.



## HARDY CLIMBING PLANTS.

AKEBIA QUINATA. A beautiful Japanese climber, unique both in foliage and flowers . . . . . 35c each; \$4.00 per doz.

AMPELOPSIS VEITCHII (Japan Creeper or Boston Ivy). The leaves are small on young plants, which at first are of an olive green color, changing to red in autumn. As the plant acquires age the leaves increase in size. Without question one of the very best climbing plants for covering brick or stone walls that can be grown . . . . . 25c each; \$2.50 doz.; by mail, 30c each

ARISTOLOCHIA SIPHO (Dutchman's Pipe). A magnificent hardy vine of rapid growth, with very large heart-shaped leaves, and brownish flowers, resembling a pipe. 50c each; \$5.00 doz.; by mail, 60c each.

BIGONIA RADICANS (Trumpet Vine).—An old-time favorite. Flowers trumpet-shaped, scarlet. A rapid grower. Blooms almost continuously through the summer. 25c each; \$2.50 doz.; by mail, 30c each.

CELASTRUS SCANDENS (Climbing Bitter Sweet).—Of rapid growth, light green foliage and yellow flowers during June, which are followed in the autumn with orange fruit. 25c each; \$2.50 per dozen.

CLEMATIS PANICULATA,—glossy green foliage and a mass of fragrant white flowers in August and September. One of our best hardy vines 30 cts. each; \$3.00 per doz.

HONEYSUCKLE—Aurea Reticulata. Foliage beautifully variegated yellow and green, with yellowish white flowers.

“ Monthly Fragrant or Dutch. Blooms all summer.

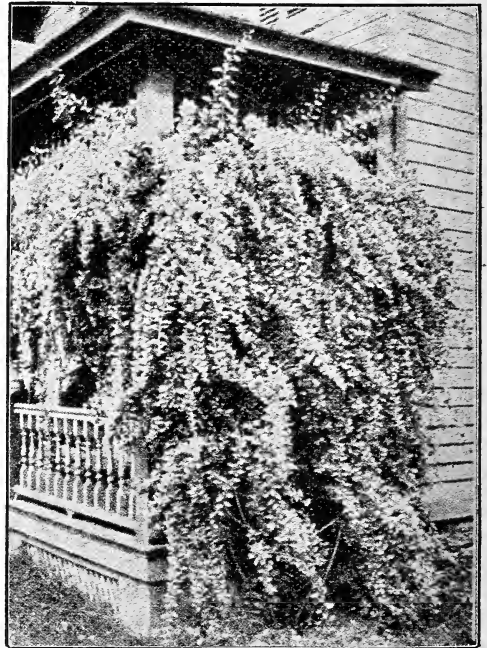
“ Common Woodbine—A strong, rapid grower; flowers very showy; red outside, buff within.

“ Halleana—Nearly evergreen flowers pure white, produced abundantly fragrant like a jessamine.

“ Scarlet Trumpet—A rapid grower, and produces scarlet inodorous flowers all summer.

Honeysuckle Plants, 25c each; \$2.50 dozen.  
By mail, 30c each.

VITIS HETEROPHYLLA VARIEGATA—A beautiful climber with dark green foliage, variegated with white and pink; during late summer and fall the plant is covered with small blue berries. Useful for trailing over rocks or for a low trellis. 30c each; \$3.00 per doz.



WISTARIA SINENSIS—The favorite variety, producing thousands of pendulous clusters of delicate violet blue blossoms, richly perfumed. 50c each; \$5.00 per doz.

WISTARIA SINENSIS ALBA.—Of similar habit to Sinensis, with pure white flowers . . . . . 50c each; \$5.00 per doz.

Wistarias can only be sent by Express or Freight.

## ORNAMENTAL GRASSES.

ERIANTHUS RAVENNAE (Plume Grass)—grows six to eight feet high and produces handsome plumes in fall.

EULALIA GRACILLIMA (Japan Rush)—The most beautiful of all the Eulalias, with narrow, graceful foliage, entirely green without variegation, except that the mid-rib is of a silver sheen. Perfectly hardy, very valuable.

EULALIA JAPONICA VARIEGATA—Leaves striped white and green longitudinally.

EULALIA ZEBRINA (Zebra Grass)—A peculiar variegated grass, growing six feet high. The variegation is unlike that of any other plant, being across the leaf in regular bands, dark green and light yellow alternating.

The dried blooms of all the Eulalias make beautiful winter ornaments.  
25c each; \$2.50 per dozen.



# Shade and Ornamental Trees

## FOR LAWN, STREET AND FOREST PLANTING.

We enumerate below the principal varieties of Shade and Ornamental trees, etc., all Strictly Selected Stocks, and while our aim is to supply First Quality only, still, on account of our ample stocks, we are in position to meet honorable competition on any size or quality; therefore it will be to your advantage to submit an estimate of your wants.

	Each	Per Doz.		Each	Per Doz.
ALNUS, (Alder), European.....	12 to 14 ft.	\$1.25	12.00		
" " Imperial Cut-Leaved.....	10 " 12 "	2.00	17.50		
ASH, American White.....	8 " 10 "	2.00	10.00		
" " " 2½ to 3 in.....		1.00	10.00		
" " " 1½ to 3 in.....		1.00	10.00		
" " " 2 to 2½ in.....		1.50	15.00		
" " European.....	8 " 10 "	1.50	15.00		
" " Mountain.....	8 " 10 "	1.00	10.00		
" " ".....	10 " 12 "	1.25	12.00		
BEECH, Purple Leaved.....	5 " 6 "	1.25	12.00		
BIRCH, Europ'n White, 1½ to 2 in ..		1.25	12.00		
" " Europ'n White, 2 to 2½ in ..		1.50	15.00		
" " Purple leaved.....	5 " 6 "	1.25	12.00		
CATALPA, Speciosa.....	8 " 10 "	75	7.50		
" " 1½ to 2 in.....		1.25	12.00		
" " 2½ to 3 in.....		2.00	21.00		
CATALPA BUNGEI, a fine umbrella-headed tree, top grafted, 3-yr. specimen.....	7 " 10 "	2.50	.....		
" " 2-year specimen.....	6 " 7 "	1.25	.....		
CERCIS CANADENSIS—					
(Red Bud).....	5 " 6 "	1.00	10.00		
(Red Bud).....	6 " 8 "	1.25	12.50		
CHERRY—					
Bird.....	6 " 8 "	75	7.50		
James Veitch.....		1.50	15.00		
Japan Double Flowering.....	4 " 5 "	1.25	12.00		
CORNUS FLORIDA (Dogwood)—					
White Flowering.....	4 " 5 "	1.00	10.00		
Red Flowering.....	2 " 3 "	1.50	15.00		
CRAB APPLE, "Bechtel's Double Flowering.....	4 " 5 "	1.00	10.00		
CRAB APPLE, Parkmanni.....	4 " 5 "	1.00	10.00		
CYPRESS, Deciduous.....	6 " 8 "	1.25	12.00		
ELM, American.....	8 " 10 "	75	7.50		
" " 1½ to 2 in.....		1.75	17.50		
" " 2½ to 3 in.....		3.50	35.00		
" " English, 1½ to 2 in.....		1.75	17.50		
" " " 2 to 2½ in.....		2.50	25.00		
" " Scotch.....	8 " 10 "	1.00	10.00		
" " ".....		2.00	21.00		
HACKBERRY.....	6 " 8 "	1.00	10.00		
HORSE CHESTNUT—					
White Flowering.....	6 " 7 "	1.50	15.00		
Red Flowering.....	4 " 5 "	1.50	15.00		
American Buckeye.....	3 " 4 "	75	7.50		
Dwarf.....	2 " 3 "	1.25	12.00		
KENTUCKY COFFEE TREE.....	4 " 5 "	75	7.50		
KOELREUTERIA PANICULATA.....	6 " 8 "	1.00	10.00		
LABURNUM, Scotch.....	6 " 8 "	1.00	10.00		
LARCH European.....	6 " 8 "	75	7.50		
" " ".....	8 " 10 "	1.00	10.00		
LINDEN, American, 1½ to 2 in.....		1.50	15.00		
" " " 2 to 2½ in.....		2.50	25.00		
" " European.....	8 " 10 "	1.25	12.00		
" " " 1½ to 2 in.....		1.75	17.50		
" " Silver or White Leaf.....	8 " 10 "	1.25	12.00		
LIQUIDAMBER—					
Sweet Gum, 1½ to 2 in.....		1.50	15.00		
" " 2 to 3 in.....		2.50	25.00		
MAPLE, Norway.....	8 " 10 "	1.25	12.00		
" " Scarlet.....	6 " 8 "	1.25	12.50		
" " " 1½ to 1¾ in.....		2.00	21.00		
" " " 2 to 2½ in.....		3.00	30.00		
" " Rock or Sugar.....	8 " 10 "	1.25	12.00		
" " ".....	10 " 12 "	2.00	20.00		
" " Weir's Cut-Leaved.....	10 " 12 "	1.25	12.50		
" " Silver or Soft.....	8 " 10 "	75	7.50		
" " " 1½ to 2 in.....		1.25	12.50		
" " " 2 to 2½ in.....		2.00	20.00		
" " Cork Bark.....	8 " 10 "	1.25	12.50		
" " Schwedleri.....	8 " 10 "	2.00	21.00		
" " Ash-Leaved (Box Elder).....		1.00	10.00		
" " " 1½ to 1¾ in.....		1.25	12.50		
" " " 1¾ to 2 in.....		1.25	12.50		
" " " 2 to 2½ in.....		1.50	15.00		
" " Sycamore.....	8 " 10 "	1.00	10.00		
" " ".....	10 " 12 "	1.50	15.00		
OAK, Red, 1½ to 1¾ in.....		2.00	\$20.00		
" " " 1½ to 2 in.....		2.50	25.00		
" " Scarlet.....	8 " 10 ft.	1.50	15.00		
" " " 1½ to 2 in.....		2.50	25.00		
" " Pin.....	8 " 10 "	1.50	15.00		
" " " 1½ to 2 in.....		2.50	27.00		
" " Burr or Mossy Cup.....	8 " 10 "	1.50	15.00		
" " " 1½ to 2 in.....		2.50	27.00		
" " Chestnut, 2 to 2½ in.....		3.00	30.00		
" " White.....	10 " 12 "	1.75	17.50		
" " " 2 to 2½ in.....		3.00	30.00		
" " English.....	8 " 10 "	1.50	15.00		
" " " 1½ to 2 in.....		2.00	20.00		
" " " 2½ to 3 in.....		3.00	30.00		
OLIVE, Russian.....	4 " 6 "	60	6.00		
Paulownia Imperialis—					
(Empress Tree).....	4 to 5 ft.	\$1.00	10.00		
PEACH—					
Clara Meier Double Red, extra fine ..		1.50	15.00		
Double Flowering, Red.....	4 " 5 "	60	6.00		
Double Flowering, White.....	4 " 5 "	60	6.00		
PERSIMMON, American.....	8 " 10 "	1.25	12.50		
POPLAR—					
Carolina.....	8 " 10 "	60	6.00		
" " 1½ to 1¾ in.....		1.00	10.00		
Balsam (Balm of Gilead), 2 to 2½ in ..		1.50	15.00		
Golden Aurea.....	8 " 10 "	75	7.50		
Lombardy.....	8 " 10 "	75	7.50		
" " ".....	10 " 12 "	1.00	10.00		
PRUNUS PISSARDI, Purple Leaf Plum ..	5 " 6 "	60	6.00		
SALISBURIA, Maiden Hair or Ginkgo ..	8 " 10 "	1.25	12.50		
SYCAMORE—					
American.....	8 " 10 "	1.00	10.00		
" " 1½ to 1¾ in.....		1.50	15.00		
" " 2 to 2½ in.....		2.50	25.00		
European.....	8 " 10 "	1.00	10.00		
THORN, Paul's Scarlet.....	3 " 4 "	75	7.50		
" " White.....	3 " 4 "	75	7.50		
" " Coccinea (Scarlet).....	4 " 5 "	75	7.50		
TULIP TREE.....	8 " 10 "	1.00	10.00		
" " " 1½ to 2 in.....		1.50	15.00		
" " " 2 to 2½ in.....		2.00	20.00		
weeping TREES.					
Beech, Pendula.....	8 " 10 "	3.00	30.00		
Birch, Cut-Leaved.....	8 " 10 "	1.50	15.00		
Cherry, Japanese... 2 years' head ..		1.75	17.50		
Elm, Camperdown.. 2 years' head ..		1.25	12.50		
Mountain Ash..... 2 years' head ..		1.00	10.00		
Willow, Kilmarnock.....	4 " 6 "	1.00	10.00		
" " Babylonica, 1¼ to 1½ in.....		1.00	10.00		
NUT BEARING TREES.					
Almonds, Soft Shell.....		50	5.00		
Chestnuts, American.....	5 " 6 "	60	6.00		
" " ".....	6 " 8 "	75	7.50		
" " Spanish.....	3 " 4 "	60	6.00		
" " Japan.....	3 " 4 "	75	7.50		
Filbert, English.....	4 " 5 "	75	7.50		
Hickory, Shell Bark.....	2 " 3 "	1.00	10.00		
Pecans.....	5 " 6 "	75	7.50		
" " ".....	6 " 8 "	1.00	10.00		
Walnuts, English.....	3 " 4 "	50	5.00		
" " Black.....	6 " 8 "	75	7.50		
" " Japan.....	5 " 6 "	1.00	10.00		
" " White (butternut).....	6 " 8 "	75	7.50		

WE DO NOT GUARANTEE OR REPLACE TREES OR SHRUBS AT PRICES QUOTED.

CASH MUST ACCOMPANY ALL ORDERS.

# Fruit Trees

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 are more apt to live; they can also be more easily trimmed and shaped to any desired form, and in the course of a few years will usually outstrip the older ones in growth. If not prepared to plant when your stock arrives, "heel in" by digging a trench deep enough to admit all the roots and setting the tree therein, carefully pack the earth about the roots, taking up when required. Never leave the roots exposed to the sun and air.

SENT BY EXPRESS OR FREIGHT AT EXPENSE OF PURCHASER.

## APPLES.

### STANDARD.

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

Three years old, 5 to 7 feet high. Price 30c each; \$3.00 per dozen.

### SUMMER VARIETIES.

- EARLY HARVEST**—Pale yellow, fine flavor, August.  
**GOLDEN SWEET**—Pale yellow, sweet and good; August.  
**KESWICK CODLIN**—Large pale yellow, pleasant; August.  
**OLDENBURG (DUCHESS OF OLDENBURG)**—Large, striped over a greenish yellow ground.  
**RED ASTRACHAN**—Large, crimson, juicy, with rich sub-acid flavor; hardy. July.  
**YELLOW TRANSPARENT**—Pale yellow, good quality.

### AUTUMN VARIETIES.

- FALL PIPPIN**—Very large, yellow, rich, aromatic.  
**GRAVENSTEIN**—Large, striped, fine quality; September and October.  
**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.  
**GANO**—Deep red, fine quality; good shipper and keeper.  
**GOLDEN RUSSET**—Medium, dull russet, crisp, juicy.  
**GRIMES GOLDEN PIPPIN**—Medium to large, skin golden yellow, flesh crisp, tender, juicy, long keeper.  
**JONATHAN**—Medium, red and yellow, flesh tender, juicy and rich.  
**NORTHERN SPY**—Large, striped red; good keeper.  
**RAWLE'S JANET**—Medium, yellow striped with red, rich, crisp and juicy; a long keeper.  
**ROME BEAUTY**—Large, yellow shaded red, tender.  
**SMITH'S CIDER**—Medium, tender and juicy; sub-acid.  
**WEALTHY**—Large, round, skin smooth, splashed dark red; flesh white, tender, juicy, sub-acid.  
**WHITE PIPPIN**—Large, pale yellow, rich, sub-acid.  
**WINE SAP**—Medium, deep red rich, sub-acid.

## CRAB APPLES. 5 to 7 feet.

Price, 30c each; \$3.00 per dozen.

- HEWES CRAB FOR CIDER**—Best cider crab grown.  
**YELLOW SIBERIAN**—Golden amber, with red blush in sun.  
**HYSLOP**—Deep crimson, very popular on account of its large size, beauty and hardness.  
**TRANSCENDANT**—Skin yellow, striped with red.

## PEARS.

### STANDARD AND DWARF.

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

- BARTLETT**—Large, clear, yellow, juicy. August.  
**FLEMISH BEAUTY**—Large, juicy, rich and fine; September to October.  
**HOWELL**—Large, yellow, splendid quality. September.  
**KIEFFER'S HYBIRD**—Large, rich color and good quality.  
**LAWRENCE**—Yellow, thickly dotted, fine flavor.  
**SECKEL**—Small, yellowish brown, one of the best.  
**SHELDON**—Large, round, russet-red. October.  
**TYSON**—Large, yellow with brown cheek, sweet.

## QUINCES. 4 to 5 feet.

Price, 50c each; \$5.00 per dozen.

- MEECH'S PROLIFIC**—Fruit bright yellow; flesh very fragrant and tender; October.  
**ORANGE**—Large bright golden yellow, fine quality; flesh firm, cooks tender. October.

## PEACHES. 4 to 6 feet.

Price, 25c each; \$2.50 per dozen.

- CHAMPION**—Creamy white with red cheeks, free-stone, excellent quality; early in August.  
**CRAWFORD'S EARLY**—Large, yellow, of good quality, free-stone; early in September.  
**CRAWFORD'S LATE**—Large, yellow with red cheek, freestone; last of September.  
**EARLY RIVERS**—Large, creamy white, with pink cheeks; early in August.  
**ELBERTA**—Large, yellow with red cheek, flesh yellow; firm, juicy, of high quality, very prolific; September.  
**FITZGERALD**—Large, yellow suffused with red, flesh deep yellow, best quality, hardy and productive; early September.  
**HEATH CLING**—Large, flesh white, juicy and melting; October.  
**MOUNTAIN ROSE**—Large, handsome red cheek, flesh white, juicy; one of the best; August.  
**OLD MIXON CLING**—Large, yellow with red cheek; September.  
**OLD MIXON FREE**—Large, yellow with red cheek; September.  
**SMOCK'S FREE**—Large, yellow, very productive; late September.

## CHERRIES.

### HEART AND BIGARREAU (SWEET).

5 to 7 feet, first-class. Price, 60c each. \$6.00 per dozen.

- ALLEN**—Large, nearly black, very mealy and firm, productive and excellent quality.  
**BLACK TARTARIAN**—Very large, purplish black, juicy, rich, excellent, productive; last of June.  
**GOVERNOR WOOD**—Large, light red, juicy, rich, delicious. Tree healthy and productive; June.  
**NAPOLEON**—Large, pale yellow, firm, juicy, productive.  
**ROCKPORT BIGARREAU**—Large, yellow, juicy, and sweet.  
**YELLOW SPANISH**—Large, pale yellow with light red cheek; late June.

### DUKE AND MORELLO (SOUR).

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

- DYHOUSE**—A very early and sure bearer; ripens a week before Early Richmond; fine quality; June.  
**EARLY RICHMOND**—Medium, dark red, fine quality.  
**ENGLISH MORELLO**—Dark red, rich, acid, juicy, and good.  
**MAY DUKE**—Large, red, and excellent variety.  
**MONTMORENCY**—Large, red, fine flavor; finest acid cherry.  
**OLIVET**—Large, red, tender, rich; sub-acid flavor.

## PLUMS.

### STANDARD.

- ON PLUM STOCKS, 5 to 7 feet. Price, 50c each; \$5.00 per dozen.**  
**ABUNDANCE**—Large, yellow with heavy bloom, good quality, very prolific.  
**BEAUTY OF NAPLES**—Medium size, green with purple cheek; abundant bearer.  
**BURBANK**—The largest and best variety, color red, excellent quality, hardy and vigorous grower.  
**DAMSON**—Small, oval fruit, purple, hardy, productive.  
**GERMAN PRUNE**—Medium, oval fruit, purple, fine quality.  
**GREEN GAGE**—Small, delicious, very prolific, fine quality.  
**LOMBARD**—Medium, red, juicy, hardy and productive.  
**PURPLE EGG**—Rich purple, fine flavor, best market variety.  
**RED JUNE**—Large, red, fine quality; strong, vigorous grower. Finest extra early plum.

## MULBERRIES. 5 to 6 feet.

Price, 60c each; \$6.00 per dozen.

- DOWNING'S EVERBEARING**—One of the most prolific varieties, bearing an abundance of large, black, sub-acid fruits, hardy; fruits about three months.  
**NEW AMERICAN**—An everbearing variety; large fruit of the finest flavor; hardy; fruits about three months.

# Grape Vines, Small Fruits, Asparagus; Etc.

## GRAPE VINES.

### All Two-Year-Old Selected Stock.

#### Black or Purple Grapes.

- CAMPBELL'S EARLY—Bunch and berry large, glossy, black, sweet and juicy; fine quality. 25c each; \$2.50 doz.
- CONCORD—Large, black grape, hardy and productive; juicy and sweet. 10c each; \$1.00 doz.
- EARLY OHIO—Earliest black grape known; healthy and vigorous grower. 25c each; \$2.50 doz.
- EATON—Bunch and berries very large, skin black and finest quality. 25c each; \$2.50 doz.
- \*IVES' SEEDLING—Dark purple, sweet. . . 10c each; \$1.00 doz.

#### Red Grapes.

- BRIGHTON—Bunch large, berries large, red, round, excellent flavor; one of the earliest. 15c each; \$1.25 doz.
- \*CATAWBA—Berries large, round; when ripe a dark copper color; sweet, rich, musky flavor. 15c each; \$1.25 doz.
- DELAWARE—Small, light red, thin skin, very juicy, sweet, sprightly, fine flavor. 15c each; \$1.50 doz.

#### White or Yellow Grapes.

- NIAGARA—Vine remarkably hardy and strong grower; bunches very large and compact; berries large, 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, hardiness and productiveness. Bunch and berry very large; attractive golden yellow color. 15c each; \$1.25 doz. Varieties marked with a \* are best for arbors.

## BLACKBERRIES.

50 cents per Dozen. \$3.50 per 100 except where noted.

- ANCIENT BRITON—Large fruit, stems loaded with good sized berries of fine quality; vigorous grower, hardy.
- EARLY HARVEST—Very prolific, choice variety.
- BLOWER'S (new). Large, luscious berries, rich in quality and quantity. 75c per doz.; \$3.00 per 100
- ELDORADO—Large fruit, borne in clusters and ripen well together, fine quality, good keeper.
- KENOYER (new).—Early, berry large of good color, heavy yielder and good shipper. 10c each; \$1.00 doz.
- MERSEREAU (new)—Extremely hardy, berries sweet, rich, melting and luscious without core. Good keeper and shipper. 75c per doz.; \$3.00 per 100
- SNYDER—Medium size, sweet and juicy; extremely hardy and very productive.

## 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. 50 per doz.; \$3.00 per 100-

## CURRENTS.

12 cents Each; \$1.25 per Dozen.

- 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.
- RED DUTCH—An old favorite variety with large red berries.
- WHITE GRAPE—Large, yellowish white, sweet, excellent quality and valuable for the table.

## GOOSEBERRIES.

- DOWNING—Very large and fine quality. . . . . \$2.00 doz.
- HOUGHTON—Medium size, very productive. . . . . 2.00 doz.
- SMITH'S IMPROVED—Large, thin skin, best for table use . . . . . 2.00 doz.
- INDUSTRY—English sort, of very large size, hardy. . . . . 2.50 doz.

## RASPBERRIES.

50 cents per Dozen; \$3.00 per 100.

- BRANDYWINE—Large size, light crimson color, good quality and firm, vigorous and productive. One of the best, well-tested, large early berries for the North.
- CUMBERLAND—The largest black cap; a healthy, vigorous grower; very productive and of finest quality.
- CUTHBERT—Large, firm, deep rich crimson, of excellent quality, tall, strong, vigorous, perfectly hardy and very productive. Ripens medium to late.
- GREGG—A large black variety, fruit firm, of excellent quality and a good shipper.

## STRAWBERRIES.

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.

Dip the plants in water as soon as received, and bury the roots in moist, shady ground till you are ready to set them out. Neglect for an hour or so is often fatal.

- 25c per dozen; \$1.00 per 100; \$7.50 per 1000.
- BISMARK—Very large and productive, bright scarlet, fine quality, good shipper, requires rich soil.
- BUBACH, No. 5 (P)—Very large and productive, bright scarlet; a fine market variety; early to medium.
- CLYDE—Large, light scarlet color; conical shape; very productive, good quality.
- CUMBERLAND—Large light red; conical shape; handsome and showy; plant vigorous and productive.
- ENHANCE—Large, bright crimson, firm, very prolific.
- GANDY—Large firm berries, excellent long-keeping and shipping variety.
- GLEN MARY—Large, bright red; sweet, rich, good flavor.
- JESSIE—Large, handsome berry, of good quality, vigorous grower; good market sort.
- SENATOR DUNLAP—Large, bright red; firm, splendid keeper and shipper; excellent quality; one of the best.
- WARFIELD—Early and productive; berries large and firm.

## ASPARAGUS ROOTS.

May be either planted in fall or spring. Dig up your ground deep, put plenty of well rotted manure thoroughly mixed in the soil, throw out a bed about four or five inches deep, lay the plants in by spreading the roots out well and scatter the dirt over the plants about four inches, or the depth of the ground thrown out, firm the dirt well around the plants by patting it down well with spade or shovel, then top dress the ground with about three inches of well rotted manure and scatter salt enough over the top of this to make the ground white enough to track a rabbit. The second year after planting you will be able to harvest enough asparagus for a good-sized family from a bed of about 200 plants. You can plant about 200 plants in a bed three feet wide and fifteen feet long. You should keep the crown of the asparagus cut regularly so it will produce from three and one-half to seven pounds of asparagus, and when planted in small beds, where it can be well mulched and cared for, will even do much better than this. It is necessary to start with good roots. It depends much more on the care taken of the plants and the plant food given them than it does the variety planted. Salt should be put on at the end of every season, in the spring of the year.

## ASPARAGUS ROOTS—Two year-old roots.

	Per 100	Per 500	Per 1,000
Barr's Mammoth. . . . .	\$1.00	\$4.25	\$7.00
Columbia Mammoth White. . . . .	1.00	4.25	7.00
Conover's Colossal. . . . .	.80	3.75	6.00
Palmetto. . . . .	1.00	4.25	7.00

**DISTANCES FOR PLANTING.** Grapes, rows 10 to 16 feet apart, 7 to 10 feet in rows. Blackberries, 6 to 7 feet apart, 3 to 5 feet in rows. Currents, 4 feet apart each way. Gooseberries, 4 feet apart each way. Raspberries, rows 5 feet apart, 3 feet in rows. Strawberries, for field culture, rows 3 to 3½ feet apart, 1 to 1½ feet in rows; for Garden Culture, plant in beds 4 feet wide, 3 rows in each bed, plants 1 foot apart in rows.

# Vegetable Seeds for Fall Sowing

The list given below comprises only those varieties which are suitable for sowing outside during the Fall, or for sowing under glass in frames or greenhouses.

OUR ANNUAL CATALOGUE gives full descriptions of all Vegetables Seeds and will be mailed free on request. Descriptions here are necessarily short and the list of varieties comprises only the best and most popular sorts.

All varieties are 5c per package except where noted.

**BEETS**—For December and January, sowing under glass.

	Oz.	¼ Lb.	Lb.
Crosby's Egyptian.....	15	35	\$1.00
Extra Early Eclipse.....	10	25	75
Extra Early Egyptian.....	10	20	60

**CABBAGE**—For sowing from September to December for earliest Spring plants.

	Oz.	¼ Lb.	Lb.
Early Jersey Wakefield.....	20	60	\$2.00
Charleston or Large Wakefield.....	20	60	2.00
Early Spring (Earliest Flat-head).....	20	60	2.00
Volga.....	25	75	2.50
Early Summer.....	20	50	1.75
Early Flat Dutch.....	20	50	1.50
Louisville Early Drumhead.....	20	60	2.00

**CAULIFLOWER**—Sow from September to December for frames and outside planting.

	Pkt.	Oz.	¼ Lb.	Lb.
Earliest Snow-ball.....	20	\$2.75	\$10.00	\$30.00
Early Large Erfurt.....	20	2.75	10.00	30.00

**ENDIVE**—For Fall sowing out doors.

	Oz.	¼ Lb.	Lb.
Green Curled.....	15	45	\$1.50
Moss Curled.....	15	45	1.50
Batavian broad leaved.....	15	45	1.50

**KALE (or Borecole)**—For Fall sowing out doors—

	Oz.	¼ Lb.	Lb.
Green Curled Siberian.....	5	10	35
Dwarf German Curled.....	5	10	35
Green Curled Scotch.....	10	20	60

**LETTUCE.**

**CURLED OR-LOOSE LEAVED VARIETIES**

	Oz.	¼ Lb.	Lb.
Grand Rapids Forcing.....	15	35	\$1.00
Black Seeded Simpson.....	15	35	1.00
Early Curled Simpson.....	15	35	1.00
Denver Market.....	15	35	1.00

**LETTUCE—Continued.**

	Oz.	¼ Lb.	Lb.
<b>CABBAGE or HEADING VARIETIES—</b>			
Big Boston.....	15	40	1.25
California Cream Butter.....	15	35	1.00
Philadelphia Butter.....	15	35	1.00
Deacon.....	15	35	1.00

**RADISH**—For outside Fall sowing—

	Oz.	¼ Lb.	Lb.
Round Black Spanish.....	10	20	60
Long Black Spanish.....	10	20	60
California Mammoth White Winter.....	10	20	60
China Rose Winter.....	10	20	60

**For frames for forcing—**

	Oz.	¼ Lb.	Lb.
White Icicle.....	10	20	60
Ex. E. White Tipped Scarlet.....	10	20	60
Prussian Scarlet Globe.....	10	20	60
Cincinnati Market.....	10	20	60
Long Scarlet Short Top.....	10	20	60

**SPINACH**—For Fall sowing outside—

	Oz.	Lb.	10 Lbs.
Bloomsdale Savoy.....	5	20	1.50
Round Thick Leaf.....	5	20	1.50

**TURNIP**—For Fall sowing outside—

	Oz.	Lb.	5 lbs.
Early Purple Top Strap Leaf.....	5	35	30
Purple Top White Globe.....	5	35	30
Cow Horn.....	5	35	30
White Egg.....	5	35	30
Seven Top for greens.....	5	40	35

# Clover and Grass Seeds for Fall Sowing

Descriptions will be found in our ANNUAL CATALOGUE issued in January, copy of which will be mailed FREE ON REQUEST. Prices are subject to market changes.

**CLOVERS—**

	Lbs. per Bu.	Quantity per Acre	Price
Red, J. C. McC. Best.....	60	8 to 12 lbs.	M'k't Price
" Export.....			"
Sapling, J. C. McC. Best.....	60	8 " 12 "	"
" Export.....		8 " 12 "	"
Alsike, J. C. McC. Best.....	60	6 " 8 "	"
" Export.....			"
Alfalfa, J. C. McC. Best American.....	60	15 " 25 "	"
" Imported Fancy.....			"
Sweet (Bokhara) White hulled.....	60	10 " 12 "	"
" unhulled.....	25	12 " 15 "	"
" Yellow.....			"
hulled annual.....	60	10 " 12 "	"
Sweet (Bokhara) Yellow unhulled.....	25	12 " 15 "	"
Japan, Clover.....	25	1 bushel	"
Crimson.....	60	15 to 20 "	"
Rape, Dwarf Essex.....	56	8 " 10 "	"

**GRASS SEEDS—**

	Lbs. per Bu.	Quantity per Acre	Price
Timothy, J. C. McC. Best.....	45	¼ Bu.	M'k't Price
" Export.....			"
Orchard Grass, J. C. McC. Best.....	14	1 to 1½ Bu.	"
" Export.....			"
Tall Oat Grass, J. C. McC. Best.....	11	1 " 1½ Bu.	"
Red Top, Fancy, J. C. McC. Best.....	30	6 " 8 Lbs.	"
" Export.....			"
" Unhulled.....	14	1 Bu.	"
" Chaff.....	14		"
Kentucky Blue Grass.....	14	2 to 3 bu.	"
Meadow Fescue.....	24	1 Bu.	"
Perennial Rye Grass.....	24	1 Bu.	"
Italian.....	24	1 " "	"
Creeping Bent.....	14	2 " "	"
Rhode Island Bent Grass.....	14	2 " "	"
Crested Dog's Tail.....	14	2 " "	"

ASK FOR PRICES on SEED WHEAT, RYE, WINTER TURF OATS and all other FIELD SEEDS for Fall sowing.

**FARMOGERM.**

A high bred nitro-gathering bacteria in sealed bottles ready to use by adding water according to directions. Prepared for the following crops, Clovers (Red, Mammoth, and Alsike) Alfalfa, Beans, Peas, Vetches, and Cow Peas.

Price. Acre size bottles \$2.00. 5 acre size \$6.00.

Small trial bottles (about ¼ acre) 50c.

State for what crop when ordering.

## INSECTICIDES

**Lime Sulphur Solution**—The best and most effective remedy for San Jose Scale and other sucking insects. Endorsed by The Department of Agriculture and Experimental stations everywhere. It is also a preventative and cure for various fungus diseases, rust, etc. Trees or Shrubs affected with sca should be sprayed twice, once in the winter whi the trees are dormant and again later in the Spring before the buds burst. Use 1 gallon Lime Sulphur to 10 gallons of water for winter spray. As a Summer spray, 1 gal. of Lime Sulphur to 30 gallons of water. Prices—Quart, 20c.; ½ gal. 30c.; 1 gal. 45c. 5 gal. \$1.75; ½bbl. (25 gal.) \$5.00; barrel (50 gallons) \$8.00.

**Scalecide**—(Pratts) A preparation of micible oils for San Jose and other scale and some other insects. It mixes with cold water and stays mixed but does not form an emulsion. It is not as disagreeable to use as lime Sulphur. As a Winter spray use a solution 1 part Scalecide to 15 to 20 parts of water when trees are dormant. For Summer spray, 1 part Scalecide to 25 to 30 parts of water. Prices, 1 gal. \$1.00; 5 gal. \$3.25; 30 gal. \$15.00; barrel (50 gal.) \$25.00.

**Lemon Oil Insecticide**—One of the best preparations for insects on plants either inside or outside. It readily mixes with water, has a delightful odor, resembling crushed tea leaves. It is very effective on insects, such as green fly, mites, and various scale insects which effect palms, rubber trees, oranges and other house plants. To be diluted with cold water. Full directions on every can. ½ pint, 25c.; pint, 40c.; quart, 65c.; ½ gal. \$1.15; gal. \$2.00.

**Hammond's Slug Shot**—A dry powder for applying to garden plants, claimed to be non-poisonous. 1 lb. canister 15c.; 5 lb. packages, 35c.

**Nicofume Liquid**—A highly concentrated extract of Tobacco, which can be used as a spray, or allowed to evaporate in green houses. It is one of the strongest solutions of tobacco made; contains about 40% Nicotine, which if sprayed, is to be diluted 1 part Nicofume to 50 parts of water. Prices, ¼ lb. 60c.; 1 lb. \$2.00; 4 lb. \$7.00; 8 lbs., \$13.50.

**Nikoteen**—A liquid extract of tobacco, for fumigating or spraying. Effective on Green and Black Fly, Thrip, Mealy Bug, Red Spider, etc. 30% Nicotine. Price 2 oz bottle, 40c; ½ lb., 85c; 1 lb., \$1.50.

**Arsenate of Lead**—A powerful poison for all biting insects. Does not burn foliage nor easily wash off. Paste Form, use 3 lbs. to 50 gallons of water. Prices, 1 lb. 25c.; 5 lbs. \$1.00; 10 lbs. \$1.50; Dry Form, 1 lb. 30c.

**Paris reen**—A well-known arsenical poison for Potato Bugs, Tobacco Worms, etc. Can be applied either dry or in solution. If in solution use 1 lb. to 100 or 200 gallons of water. Prices, 1 lb. 30c.; 5 lbs., \$1.25.

**Bordeaux Mixture**,—For mildew, black rot and all Fungus diseases. Use 1 lb. to about 10 gallons of water. Price per lb. 20c.; 5 lbs. 60c.; 10 lbs., \$1.00; 20 lbs., \$2.00.

**Sulpho Tobacco Soap**—An effective insecticide for sucking insects on both plants and animals. 3 oz. cake, 10c.

**Bug Death**—Recommended for all leaf eating insects. Effective and harmless to plants, as it contains no arsenic. Prices, 1 lb. 15c.; 3 lbs., 35c.; 5 lbs., 50 c.

**Sulphur**—For applying dry in greenhouses or out of doors to prevent mildew. Prices, per lb. 10c.; 3 lbs., 25 c.

**Hellebore Powder White**—For destruction of Slugs, Worms, Caterpillars, etc. ½ lb., 15c; 1 lb., 25c,

**Fish 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.; 5 lbs., 60c.; 50 lbs. or over, 10c. lb.

**Tobacco Dust**—A sure remedy for Green Fly, Aphis, Fleas, Beetles, etc. Preventative for insects in the ground and around the roots. 1 lb. 10c.; 5 lbs., 25c.; 100 lbs., \$2.50.

**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 and foliage. Bale of about 400 lbs., \$5.00.

## FERTILIZERS

### WIZARD BRAND PULVERIZED SHEEP MANURE.

This is a pure, natural manure and nutritious food for plants. Its effect is immediate. It is the best of all manure for mixing with the soil for greenhouse plants. It makes the richest, safest and quickest liquid manure. Nothing equals it for use on flower beds or for the vegetable garden. Especially valuable for lawns, contains all the constituents for promoting a quick, luxuriant growth, and a rich green color. No raking off required. No seeds of foul weeds in it. It is clean to handle. Absolutely safe to use in any quantity or in any manner.

**Directions**—For lawn, use at the rate of from 500 to 600 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.

### EXCELSIOR PLANT FOOD.

An Odorless preparation, combining in a concentrated and soluble form every element required in plants and flowers to produce vigorous growth and a profusion of flowers and fruit. Wonderful results are obtained, after one or two applications. It is immediately soluble in water, and available to plant

life from the moment of application. Can be either dissolved in water or applied dry. Small size, 10c.; large size, 20c.; postage 5c. extra.

**PERUVIAN GUANO**—See last cover page.

**Ashes**—Hard Wood. Drive away insects and improve the texture of the soil; indispensable for all crops requiring potash, very beneficial for garden and field crops, grass land and lawns. Apply 1 to 2 tons per acre. 100 lbs., \$1.35; barrels, about 200 lbs., \$2.00; 10 barrels, \$17.50.

**Pure Bone Meal**—This finely pulverized ground bone is excellent for rose culture and lawns. It decomposes rapidly, and is more quickly effective than the coarser grade. It is excellent for mixing with soil for potting. 25 cts. 5 lbs.; 40 cts. 10 lbs.; \$1.00, 35 lbs.; \$1.35, 50 lbs.; \$2.50 per bag of 125 lbs.

**Bone Phosphate**—For all grain crops, and especially good for spring crops and vegetables owing to its ammonia and potash. This is best adapted for wheat seeded on corn land, also for grass following wheat. 25 cts., 5 lbs.; \$1.75, 100 lbs.; \$2.00, 125 lb. bag; \$13.00, ½ ton; \$25.00 ton.

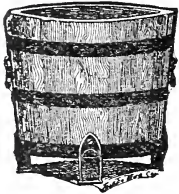
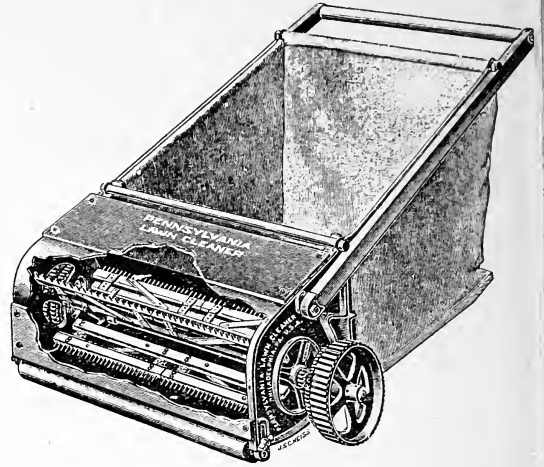
**Land Plaster**—\$1.40, 200 pound bag; 600 lbs. or more, 60 cts. per 100 lbs.

# Miscellaneous.

**LAWN CLEANER AND SWEEPER (Pennsylvania)**—Cleans lawns of leaves, trash, clippings, etc., faster and better than four men can do it with rakes, etc. It also straightens up the grass and trailing plants upright, so that they can be cut with a mower. Will handle the heaviest fall of leaves easily. The machine is 24 inches wide. Made in a substantial manner, combining lightness with strength and durability. Guaranteed to do satisfactory work. . . . . Price, **\$16.00**

**DUNHAM LAWN ROLLERS**—We carry a complete line of various styles in water weight, cast iron and other styles. Prices and complete catalogue on request.

**LAWN MOWERS**—Prices in our annual catalogue, free on request.



## AMERICAN PLANT TUBS.

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

No. 1.	11 1/2 inches diameter,	11 1/2 inches high.	\$1.00
No. 2.	13 1/2 " "	11 1/4 " "	1.25
No. 3.	14 3/4 " "	14 " "	1.65
No. 4.	16 " "	15 " "	2.00
No. 5.	19 " "	18 " "	3.00
No. 6.	22 " "	19 1/2 " "	4.00

## BIRD HOUSES, TRAPS, ETC.

**BIRD HOUSES**—These houses are constructed of a tinted stucco, which is indestructible and will last a life time. Instructions for placing on each hut. Help protect and multiply our native birds. They will repay in song and chirp, add attractiveness and enliven grounds, besides destroying countless worms, bugs, beetles and grasshoppers which devour vegetation.

### PRICE LIST HUTS AND CABINS.

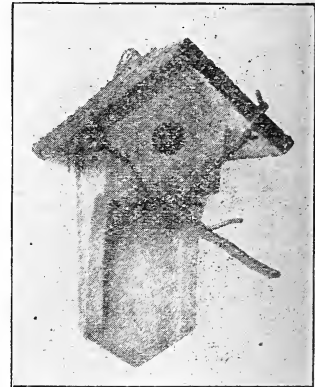
Wren Hutlet.	\$1.25 each
Chickadee Hutlet	1.25 "
Bluebird Hut.	1.50 "
Titmouse	1.50 "
Bark Hut	2.00 "
Woodpecker and Flicker Hut	1.50 "
Carved and Hewn Huts.	\$5.00 to 25.00 "
Squirrel Cabins	4.00 to 10.00 "

Prices for Log cabins and Summer houses, Etc., on request.

**SPARROW TRAPS**—The English Sparrow is universally conceded to be a pest, driving away our native birds, besides being noisy, filthy and destructive. Sparrow traps eliminate them sometimes 75 to 100 per day. Price, each **\$6.00**.



Martins.  
Martins one hour after erecting.



Wren Hutlet.

## CLOVER AND GRASS SEEDERS.

**CAHOON**—Rotating wheel in front. Easily regulated and uniform in distribution. . . . . Price, **\$3.00**

**TIN HORN**—Distributes clean, heavy seed by arm movement in a space 30 to 40 feet wide. . . . . Price, **90c.**

**CYCLONE**—Revolving distributor underneath hopper. Will not choke and sows all kinds of grain or seeds . . . . . Price, **\$1.40**

**RITTENHOUSE**—Similar in operation to Cyclone, but very strongly braced. . . . . Price, **\$1.50**

**FIDDLE BOW**—An old type of construction improved. Sows any kind of seeds or grain . . . . . Price, **\$1.00**

## SUNDRIES.

### RAFFIA.

For making baskets and used in fancy work.  
Natural, per lb. 25c; 5 lbs., \$1.00.  
Colored—Black, Blue, Brown, Green, Orange, Pink, Red and Yellow. 2 Oz., 10c; 1 lb., 60c.  
If sent by mail 10c per pound extra.

**LABELS**—Pot; painted—

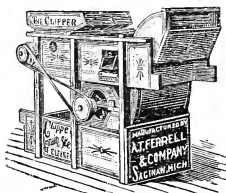
4 x 3/8-inch, per 100, 15c	per 1,000	\$1.00
5 x 3/8-inch, per 100, 15c	per 1,000	1.15
6 x 3/8-inch, per 100, 20c	per 1,000	1.25
8 x 3/8-inch, per 100, 50c	per 1,000	4.00

## CLIPPER SEED AND GRAIN MILLS.

These mills are especially adapted for cleaning grain, clover and timothy seed. No. 1 for grain and clover, **\$22.00**. Descriptive circulars and prices for larger sizes for either hand or power, sent on application.

## MOSHER BAG HOLDER.

Best on the market. With stand. Price **\$3.50**.



NO GOODS  
SENT C.O.D.

**ORDER SHEET**  
**For Plants, Trees and Shrubs**

**THE J. CHAS. McCULLOUGH SEED CO.**

228, 230 & 232 East 4th St.,

Cincinnati, O.

Date \_\_\_\_\_ Amount Enclosed \_\_\_\_\_

Name \_\_\_\_\_ If Lady state whether Miss or Mrs.

Post Office \_\_\_\_\_ R. F. D. \_\_\_\_\_

Shipping Depot \_\_\_\_\_ Railroad \_\_\_\_\_

County \_\_\_\_\_ State \_\_\_\_\_

Send order by \_\_\_\_\_ On or about \_\_\_\_\_

State whether Mail, Express or Freight

We, THE J. CHAS. McCULLOUGH SEED CO., give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants We send out and We will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned, and the amount paid will be refunded. If they are kept it will be taken as proof that they are satisfactory.

THE J. CHAS. McCULLOUGH SEED CO

Quantity	ARTICLES WANTED	Amount	

*The J. Chas. McCullough Seed Co.*

*Office & Seed Cleaning Department  
Fifth, Lock and Eggleston Ave.*

*(5 Squares East of Post Office) Cincinnati, O.*

Quantity	ARTICLES WANTED	Amount	
	<b>Amount brought forward</b>		
<b>Total Amount</b>			

Send us names of some of your friends and neighbors who buy seeds, etc., and we will include a few Flower Seeds for your kindness.

NAMES



NO GOODS  
SENT C.O.D.

# ORDER SHEET

For Bulbs, Seeds and Sundries

## THE J. CHAS. McCULLOUGH SEED CO.

228, 230 & 232 East 4th St.,

Cincinnati, O.

Date \_\_\_\_\_ Amount Enclosed \_\_\_\_\_

Name \_\_\_\_\_ If Lady state whether Miss or Mrs.

Post Office \_\_\_\_\_ R. F. D. \_\_\_\_\_

Shipping Depot \_\_\_\_\_ Railroad \_\_\_\_\_

County \_\_\_\_\_ State \_\_\_\_\_

Send order by \_\_\_\_\_ On or about \_\_\_\_\_

State whether Mail, Express or Freight

We, THE J. CHAS. McCULLOUGH SEED CO., give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants We send out and We will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned, and the amount paid will be refunded. If they are kept it will be taken as proof that they are satisfactory.

**THE J. CHAS. McCULLOUGH SEED CO**

Quantity	ARTICLES WANTED	Amount
Amount carried forward		





## The J. Chas. McCullough Seed Co.'s Celebrated "EMERALD" LAWN GRASS SEED

"EMERALD" LAWN GRASS SEED PRODUCES THE FINEST SHORT GREEN VELVETY LASTING TURF 6 TO 8 WEEKS FROM SOWING. UNDOUBTEDLY THE BEST OF ALL LAWN SEED FOR VARIED SOILS AND LOCATIONS BOTH FOR LARGE OR SMALL AREAS.

EMERALD LAWN GRASS SEED is superior to Kentucky Blue Grass or to any of the high priced mixtures for this section. We have for 40 years made a study of lawns and their care and know from practical experience that no matter what the price or what the claims, J. C. McC. Seed Co.'s EMERALD will give better results, last longer and is undoubtedly the best lawn grass to be obtained.

EMERALD LAWN GRASS SEED is recommended for general lawn purposes, Parks, Cemeteries, Fair Greens, Bowling Greens, Tennis Courts (Sod), Athletic Fields, in fact, anywhere where fine velvety turf is wanted that will withstand hard wear.

FALL IS THE BEST TIME FOR SOWING—The high vitality, quick growth and hardiness renders EMERALD Lawn Grass particularly valuable for fall sowing. Sown in September or early in October, a good stand will be obtained before winter. Then the young grass has a good start to withstand the heat and drought of the succeeding summer. Fall sowing eliminates large quantities of weeds which naturally come up when the ground is worked over in the spring.

PREPARATION, QUANTITIES, Etc.—

FOR NEW LAWNS—The ground should be worked deeply, graded, pulverized and raked fine, removing trash, roots, etc. Sow the seed 1 lb. to 300 square feet, 4 to 6 bushels per acre, raking in lightly and roll. On old lawns rake with a sharp tooth rake all bare spots and places where wild grass is thick and sow Emerald Lawn Grass. Roll the lawn when the ground is damp. Prices,  $\frac{1}{2}$  lb., 15c.; lb., 25c.; 5 lbs., \$1.00; Bu. (16 lbs.) \$3.00; 10 bushels and over, \$2.85 per bushel.

GRASS SEEDS FOR OTHER PURPOSES.—

SHADY LAWN GRASS SEED—For damp situations. Lb., 35c; 5 lbs., \$1.50; bushel (16 lbs.) \$4.00.

RHODE ISLAND BENT—For putting greens or other places where a soft turf is desired; lb. 35c; 5 lbs. 30c per lb.

CREeping BENT—Similar to above. Same price.

KENTUCKY BLUE GRASS—Best Fancy.—lb. 20c.; 5 lbs., 75c.; 1 bushel (14 lbs.) \$1.60.

WHITE CLOVER—Per lb. 50c.

GOLF LINK MIXTURES—Special prices on application.

### FERTILIZERS FOR LAWNS.

#### WIZARD BRAND PULVERIZED SHEEP MANURE

The best natural manure for lawns, producing a luxuriant growth of grass without the objectionable features of barn-yard manure. It is easily applied, does not have to be raked off, brings no weeds and is not unsightly.

APPLYING—Scatter broadcast at from 400 to 600 lbs. per acre. A still day is best, and in hot or dry weather water after applying. Prices, 6 lbs., 25c.; 10 lbs., 35c.; 50 lbs., \$1.00; 100 lbs., \$1.75; per ton, \$27.50.

#### GENUINE PERUVIAN GUANO.

The most highly concentrated and best natural fertilizer for lawns, gardens, or flowers. It gives remarkably quick and at the same time lasting results, improving the growth and production of crops, and supplying elements lacking in the soil. For lawns, it is remarkably effective, producing a quick, rich, luxuriant growth of bright green grass.

Use 200 to 400 lbs. per acre. In small areas about 1 lb. to 100 square feet. Prices,  $\frac{1}{2}$  lb. 10c.; lb. 15c., 5 lbs., 50c.; 10 lbs., 85c.; 25 lbs., \$1.50; 100 lbs., \$3.25; 200 lbs., \$6.00; ton \$55.00.

# Stock and Poultry Supplies



### CONKEY'S POULTRY REMEDIES.

Conkey's Laying Tonic is a result of careful study and experiment, and is a compound of vegetable extracts, herbs, roots, etc., so proportioned as to act gently on the egg-producing organs to remove any irregularity which may exist, and to invigorate and tone the system to a point only that is perfectly natural in the highest state of the vigor and health of the fowl.

- Conkey's Cholera Remedy, 25c and 50c per pkg.
- Conkey's White Diarrhoea Remedy, 50c per package.
- Conkey's Roup Remedy, 25c, 50c and \$1.00 per package.
- Conkey's Poultry Tonic, 25c per package.
- Conkey's Poultry Laxative, 25c per package.
- Conkey's Laying Tonic, 1 1/2 lb. package, 25c; 3 1/4 lb. package, 50c.
- Conkey's Lice Powder, 5 oz. package, 10c; 15 oz. package, 25c.
- Conkey's Lice Liquid, 1 qt., 35c; 2 qts., 60c.
- Conkey's Gape Remedy, 50c per package.
- Conkey's Head Lice Ointment, 1 oz. tube, 10c; 3 oz. tube, 25c.
- Conkey's Limber Neck Remedy, 50c per package.
- Conkey's Nox-i-cide, small size, 35c; 1 qt., 60c.
- Conkey's Poultry Worm Remedy, 50c per package.
- Conkey's Chicken Pox, (Sorehead) remedy, 50c per package.
- Conkey's Rheumatic Remedy, 50c per package.
- Conkey's Bronchitis Remedy, 50c per package.
- Conkey's Scaly Leg Remedy, 25c per package.
- Conkey's Sulphur Fumigating Candles, 10c each, 3 for 25c.
- Conkey's Distemper Remedy, 50c.
- Conkey's Mange Remedy, 50c.
- Conkey's Hoof Remedy 1 pint, 50c; 1 quart, 75c.

### RUST'S POULTRY REMEDIES.

- Reliable and well-known preparations which have been on the market for many years.
- Rust's Egg Producer—One of the best producers for mixing with wet feeds. Will increase egg production where others fail. 1 lb. 25c.
- Rust's Havens Climax Powder—For Fowl-Cholera, Gaps and all other Poultry diseases, besides animal diseases. It is a fine condition powder. 13 oz. box, 25c.
- Rust's Haven Roup Pills—For Fowls and Pigeons. Box (50 pills), 25c.
- Rust's Liquid Lice Killer—Quart can, 35c.
- Rust's Lice-Killing Powder—For dusting Fowls and Nests, 5 oz. box, 10c; 16 oz. box, 25c.
- Lee's Head Lice Ointment—Per box, 15c.

### INTERNATIONAL FOOD CO. PRODUCTS.

- Well known and well advertised goods.
- International Poultry Food, 25c.
- International Stock Food, 25c and 50c boxes.
- International Worm Powder, 50c.
- International Heave Cure, 25c.
- International Gall Cure, 25c.
- Silver Pine Healing Oil, 25c.

### LEE'S REMEDIES.

- Lee's Lice Killer—1 gal. \$1.00; 1/2 gal. 60c; 1/4 gal. 35c.
- Germozone—12-ounce bottles, 50c each or in boxes of 60 tablets (same value, for mailing) at same price.
- Lee's White Diarrhoea Remedy—12 oz. bottles 50c.
- Lee's Egg Maker—5 1/2 lb. pkg., 50c; 2 1/2 lb. pkg., 25c.
- Lee's Insect Destroyer—A powder put up on 1 1/4 pound sprinkler-top cans, very convenient for use. Price, 25c. Postpaid for 40c.

### SPRATT'S FOOD FOR DOGS.

- Spratt's Patent Dog Cakes, per pkg. . . . . 10c. Large size 25c
- Spratt's Patent Puppy Cakes, per pkg. . . . . 10c. Large size 25c

### RYDE'S CREAM CALF MEAL.

The best substitute for milk in raising calves, producing a strong, vigorous growth at less than one half the cost of milk. It supplies all the food ingredients to build them up evenly and in correct proportions and they take to it readily and it is easily digested. 25 lb. bags, \$1.00; 50 lb. bag, \$1.75; 100 lb. \$3.25; 1000 lb. lots at \$3.00 per 100.

## Standard Poultry Foods

We carry one of the largest stocks of all kinds of Poultry supplies in this city. Most foods we make ourselves and are in a position to sell as low as anyone. Large buyers will please get special prices.

- J. C. McC. Poultry Food—A perfectly balanced ration of grain without grit, shell or other adulterants. 10 lbs., 25c; 100 lbs., \$2.25.
- "Bell Poultry Food". A combination of grain and seed and screenings, grit and shell. 100 lbs., \$1.75.
- J. C. McC. Chick Feed—A perfectly balanced ration of grain and seeds for young chicks. 10 lbs., 25c; 100 lbs., \$2.25.
- Alfalfa Meal, choice . . . . . 6 lbs. \$ 25
- High Protein Meat Scraps . . . . . 6 lbs. 25
- Beef Meal . . . . . 6 lbs. 25
- Kaffir Corn, white re-cleaned 4 lbs. 15c. . . . . 8 lbs. 25
- Sunflower Seed, re-cleaned. . . . . 2 lbs. 25 10 lbs. 1.00
- Cracked Corn . . . . . 5 lbs. 15 10 lbs. 25
- Bran . . . . . 5 lbs. 15 10 lbs. 25
- Whole Corn, shelled. . . . . 6 lbs. 15 12 lbs. 25

- Buckwheat, re-cleaned . . . . . 4 lbs. 15 8 lbs. 25
- Chicken Wheat . . . . . 5 lbs. 15 10 lbs. 25
- Feed Barley . . . . . 4 lbs. 15 8 lbs. 25
- Chicken Millet . . . . . 5 lbs. 15 10 lbs. 25
- Oats . . . . . 5 lbs. 15 10 lbs. 25
- Linseed or Oil Meal . . . . . 4 lbs. 15 8 lbs. 25
- Cotton Seed Meal . . . . . 5 lbs. 15 10 lbs. 25
- Granulated Bone . . . . . 6 lbs. 25 13 lbs. 50
- Charcoal . . . . . 3 lbs. 10 8 lbs. 25
- Oyster Shells . . . . . 6 lbs. 10 50 lbs. 45
- Mica Crystal Grit . . . . . 6 lbs. 10 50 lbs. 45
- Poultry Mash . . . . . 5 lbs. 15 10 lbs. 25
- Chick Chowder . . . . . 8 lbs. 25 100 lbs. \$2.50

We are agents for the Celebrated Buckeye Incubators, Brooders and general supplies.

We carry full line of Drinking Troughs, Grit and Shell Boxes, Food Hoppers, Egg Testers Nest Eggs, Leg Bands, Thermometers, and all supplies for Incubators and poultry raisers.

Complete catalogue and price list of these furnished on request.

Please write us if in need of any of these articles.