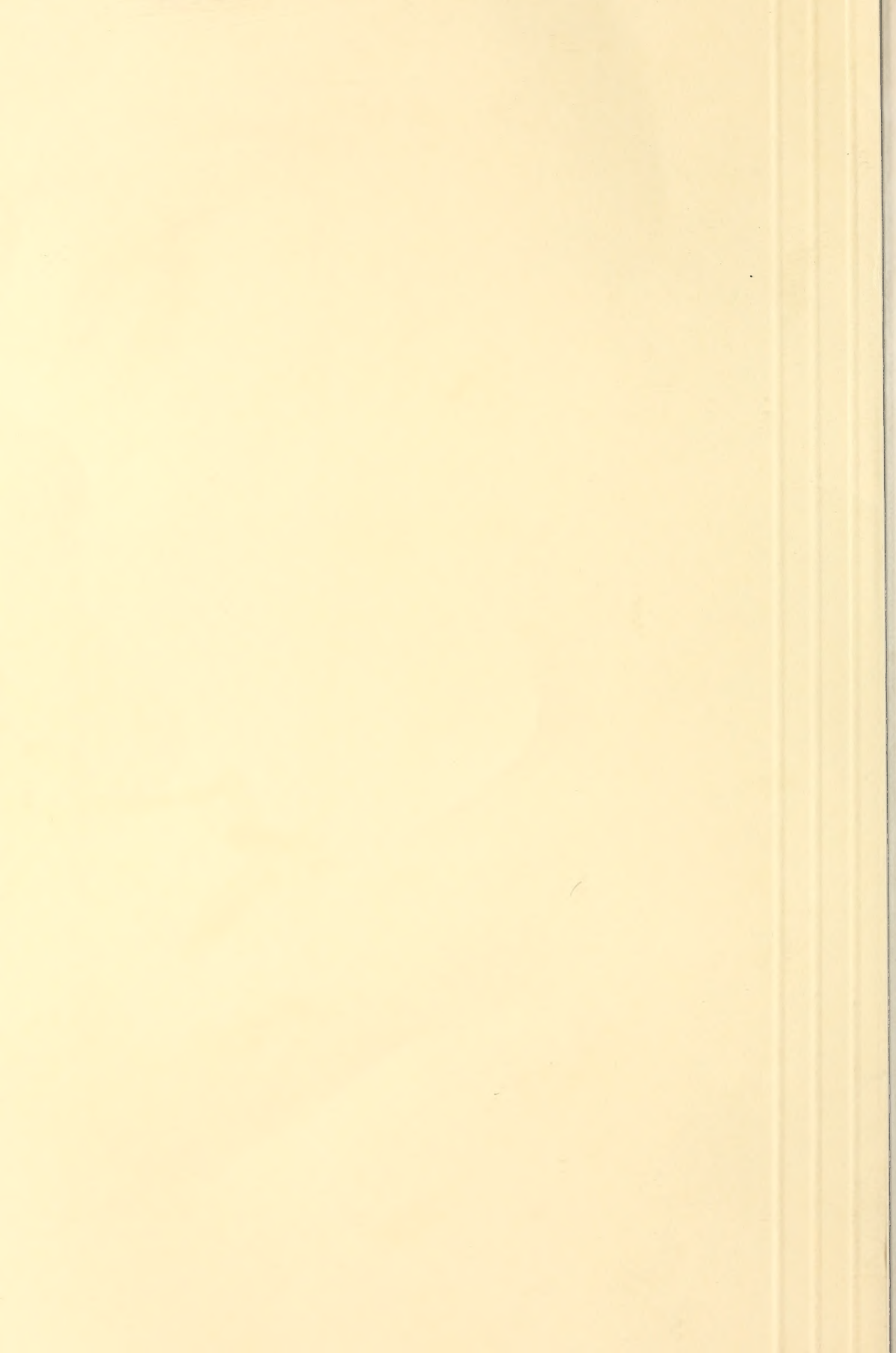


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U.S. Department of Agriculture



**BULBS  
PLANTS  
AND  
SEEDS**

**THE** *Livingston* **SEED CO.**  
*Columbus, O.*



## A FEW BARGAINS IN BULBS

The following collections may be ordered by number:

### No. 1. Hyacinth Collection.

10 Fine Healthy Bulbs for Only 50c.

This collection cannot fail to please.

- 1 Delicate Pink, very chaste. Single.
- 1 Snow white, single, large and fine.
- 1 Single porcelain blue. A beauty.
- 1 Finest dark blue, single.
- 1 Bright scarlet, a lovely single.
- 1 Rich double red. Large truss.
- 1 Lovely double light blue.
- 1 Large double pure white.
- 1 Beautiful double yellow.
- 1 Charming blush white double.

### No. 2. Tulip Collection.

30 Splendid Bulbs Only 50c.

Many of the bulbs in this collection are of the named varieties. There are none better.

- 2 Belle Alliance—Brilliant scarlet.
- 2 Cottage Maid—White, with rose edge.
- 2 Keisers Kroon—Red bordered with yellow.
- 2 Le Reine—White, faintly tinted rose.
- 2 Gesneriana—Dazzling scarlet, deep blue center.
- 2 Duc Van Thol—Earliest single, all colors.
- 2 Bybloom—Late single. White, with shades of violet, crimson and maroon.
- 2 Bizarres—Single, late, yellow with crimson, purple and violet.
- 2 Parrot—Late single, with slashed or feathered edges. Gorgeous colors.
- 3 Mixed Single—Our selection. Fine.
- 2 Duke of York—Double rose, edged with white.
- 2 La Candeur—Large, pure white, double.
- 2 Rex Rubrum. Bright crimson.
- 3 Mixed Double—Our selection. Choice.

### No. 3. Narcissus (Daffodil) Collection.

16 Beautiful Bulbs Only 50c.

If you don't buy but one collection, try this.

- 2 Stella—Single, large white, with charming yellow cup.
- 2 Poeticus Ornatus—Single, white, with yellow cup and red eye. A beauty.
- 2 Trumpet Major—Has golden yellow trumpet and petals. Extra early, single.
- 2 Incomparable—The good old "Butter and Eggs" variety. A rich, double yellow.
- 2 Von Sion—The famous double yellow daffodil. Large, full trumpet.
- 2 Paper White Grandiflora—The grand, pure white single, early sort. In bloom by holidays.
- 2 Alba Plena Odorata—Double, pure white, and very fragrant.
- 2 Princess—White, with deep yellow trumpet. A handsome single.

### No. 4. Superb Bedding Collection

100 Strong Healthy Bulbs Only \$1.00.

- 1 Single white, 1 single blue, 1 double red and 1 double pink Hyacinths.
- 15 Superfine, mixed, single Tulips.
- 15 Superfine, mixed, double Tulips.
- 5 Lovely mixed Parrot Tulips.
- 40 Crocus. All colors.
- 8 Scilla Siberica. Lovely blue.
- 8 Snowdrop. Single and double.
- 7 Narcissus. Assorted.

### No. 5. Our Grand Potting Collection

20 Choice Bulbs Only 50c.

All especially suitable for growing in pots.

- 3 Hyacinths, double and single.
- 5 Freesias, pure white, fragrant.
- 2 Allium. Neapolitanum. White, fragrant.
- 1 Calla. Large, white. Sure bloomer.
- 5 Oxalis—For hanging basket or pot.
- 2 Narcissus (Daffodils), double, yellow.
- 2 Narcissus. Paper white.

### No. 6. Little Gem Collection.

A Gem Indeed. 15 Bulbs Only 25c.

- 1 Hyacinth, 5 Mammoth Freesias.
- 2 Narcissus. 2 Tulips. 2 Snowdrops.
- 3 Crocus.

### No. 7. Livingston's True Blue Coll'n

10 Bulbs Only 35c.

Every bulb in this collection will produce charming blue flowers.

Are perfectly hardy for bedding out during winter or can be potted for winter blooming.

- 1 Hyacinth, single, dark blue.
- 1 Hyacinth, double, dark blue.
- 1 Hyacinth, single, light blue.
- 1 Hyacinth, double, light blue.
- 2 Scilla Siberica. Blue, bell-shaped.
- 2 Grape Hyacinth. Light blue, fragrant.
- 3 Crocus. Richest of blues.

### No. 8. Cemetery Collection Plants

Every plant in this collection is perfectly hardy, winter or summer, and will do well with the least amount of care, but, like all other plants, will amply repay for some attention to their wants.

- 2 Achillea. The Pearl. 2 Golden Glow.
- 1 Yucca (Adams Needle). 1 Pacony.
- 1 Hydrangea Paniculata Grandiflora.
- 3 Hardy Phlox.

13 fine plants for \$1.50, prepaid

# HOW TO GROW BULBS.

## A Few Hints on Their Culture.



### Out Door Planting.

*Time.*—May be done any time from the last of September to the first of January, where the ground remains unfrozen, but, if possible, should be done in October or early in November.

*Soil.*—Any good thoroughly drained soil will grow bulbs well. If it should be a heavy clay it would be best to add sand and *well rotted* manure to make it loose. The surface of beds should be slightly raised at the center so that water will run off quickly, as bulbs are liable to rot if water remains on the beds any length of time.

*Winter Protection.*—Before winter sets in cover the beds with 4 to 6 inches of leaves, if they can be had; if not, coarse manure or straw will do very well. If leaves are used, throw on a little brush or earth to prevent blowing off. In the South, where the ground does not freeze more than a slight crust, they will require no protection. In the spring, say March 1st, remove half of the covering, and the balance of it as soon as plants begin pushing through.

*Depths and Distances for Planting.*—The rows should be from 6 to 12 inches apart, and the bulbs 4 to 8 inches deep, according to size of bulb.

*Hyacinths in Glasses.*—Grown in this way Hyacinths are elegant ornaments for the sitting room or parlor, and can be grown with very little trouble. Fill the glasses with water so that the base of the bulbs will just touch it; set them away in a cool, dark cellar or closet until the roots have touched the bottom of the glasses, when they may be brought to the light.

### Bulbs as Winter Bloomers.

No other class of plants are more sure to grow and bloom, have greater beauty or fragrance, require so little care or give greater satisfaction in the window garden in winter, than those grown from many of the fall bulbs.

### Treatment of Bulbs in Pots.

For early flowers most varieties should be potted in September, and for a succession of flowers at intervals up to December. A very good soil for the growth of bulbs is composed of one-half good garden soil, and the remainder equal parts of well rotted manure or leaf mould and sand well mixed together. We can supply potting soil in any desired quantity. See page 29. The size of pots used depends on the size of bulbs and effects desired. For one Hyacinth bulb a 5-inch pot should be used; for Tulips use 4-inch pots. A very pretty effect is produced by putting three or more Hyacinths or six or more Tulips of different colors in a 7-inch or 8-inch pot. Narcissus require about the same size pot as Hyacinths. Other bulbs likewise, according to size.

In potting, fill the pots to the rim with soil, press the bulbs into it until they are covered, then press down the soil around the sides of the pot, then thoroughly soak the soil and pot in water. The pots should now be placed in a cool, dark situation, so as to encourage a strong growth of roots before the bulbs start at the top. A very good place is a cool cellar, or a trench may be dug in the open ground, and the pots placed in it and covered with six or eight inches of soil; then cover over that with sufficient leaves or coarse manure to keep out frost, so they may be got at when wanted. If set in the cellar, they will need a little water every ten days to prevent getting dry. They should also be protected from mice and rats. In six or eight weeks they will have made sufficient root to admit of their being brought to the light. As they begin to grow, water freely, so that the soil may be moistened to the bottom of the pots. By bringing in a few at intervals of eight or ten days, a succession of flowers may be had for months. When brought into the window they should be kept near the light, but not in the sun any great length of time; a temperature between 50 and 60 degrees is desirable.

# Important to Buyers.

By Observing the Following Rules and Directions, Mistakes and Misunderstandings Will be Avoided.

*Always use the Order Sheet* and envelope sent with Catalogue when possible. Write plainly, keep a copy of your order, and *be sure to sign your name, postoffice, County and State every time you write.* Extra envelopes and Order Sheets will be sent on application.

*Send Money.* Cash should always accompany order. Remittance may be made *at our risk* by any of the following methods: (1st and best) *Postoffice Order*; (2d) *Draft on New York*; (3d) *Express Co.'s Money Order*; (4th) *Cash by Express* in amounts not less than \$5.00; (5th) *Registered Letters*. When money cannot be sent by either of the first four, it may be enclosed in a registered letter. The rates charged for *Postoffice Orders* and *Express Money Orders* are now so low that this is the best way to remit where they can be obtained. We will bear expense of sending money in either of above ways when order amounts to \$1.00 or over.

*No Goods Sent C. O. D.* unless cash to amount of one-fourth of order accompanies the same.

*Postage and Express Charges.* All bulbs will be sent by Mail or Express, charges prepaid, when at single or dozen rates. The 100 rates and over are by Express at purchaser's expense, unless otherwise stated. *Not less than 6 of any one variety supplied at dozen rates, 25 at 100 rates, and 250 at 1000 rates.* SEEDS will be sent free by Mail or Express, unless otherwise stated.

*Substitution.* It sometimes occurs that our stock of some varieties of Hyacinths and other bulbs become exhausted before the close of the season, in which case we shall take the liberty of substituting others of the same color and price, being equally as good, if not superior to the ones ordered. Should any of our customers object to this course, they will please so state in their orders.

*When to Order.* Send in your order for Bulbs as soon as you receive this Catalogue, as most bulbs offered in this list are spring bloomers, and should be planted from October 1st. to December 1st.

ASK FOR OUR

## Spring=1903=Catalogue

Of Garden, Field, and Flower Seeds.

READY ABOUT JANUARY 15th. FREE ON REQUEST.

Send for it now, your name will then be entered on our book, and a catalogue sent you as soon as issued. It will be sent to all customers of 1902 without request. It contains over 100 pages of valuable Cultural directions, illustrations and prices of **Seeds, Bulbs, Plants and Small Fruits** for spring planting. It also describes and prices **Fertilizers, Insecticides, Garden Tools and Implements, and Spraying Machines.**

Send for it **to-day** while you have it in mind. A card will do. Address

THE LIVINGSTON SEED CO., Columbus, O.

Ready now and free on application, our Catalogue of Poultry Supplies. Foods, Medicines, Insecticides for Poultry and Animals. Incubators, Brooders, Bone Cutters, Drinking Fountains, Leg Bands, Sprayers, Etc. It will interest you. Send for it.

## ALLIUM NEAPOLITANUM

READY IN SEPTEMBER.

The Allium is a free flowering, fragrant and beautiful winter blooming plant, having clusters of delicate white flowers on stems 15 to 20 inches high and which are in bloom for a month or more. Plant 3 to 6 bulbs in single pot. Nothing pays better than a few Allium bulbs. They can also be planted outside, as they are very hardy. Each 5c; dozen 50c.

## ANEMONE.

They require some protection although quite hardy, and will thrive in good garden soil, but are partial to shaded position for the greater portion of the day. The poppy-like flowers are very handsome.

Single.—Scarlet, white or mixed, all colors. Each, 3c; dozen, 20c.  
Double.—All colors mixed, each, 3c; dozen, 25c.

## CROCUS

These are the small, pretty blooms we see on the lawn in early spring. The colors are White, Blue, Yellow and Striped. Nothing is easier grown. Being very hardy. Plant the bulbs out during October and November, by taking a knife with a stiff blade, raise the sod and place the bulb 2 or 3 inches deep, replacing the sod, pressing it down with the foot. This is all that is necessary. Nothing is more effective, also, for borders in beds of bulbs, and they are very easily grown in pots or pans of dirt or sand. Our named varieties are very prolific bloomers, sometimes producing a dozen blooms from a single bulb.

Price per dozen and hundred include postage.

Choice Mixed Crocus, our own selection, per dozen, 10c.; 100, 60c. by mail postpaid; by express, not prepaid, 100 for 45c.; 1000 for \$4.00.



CROCUS.

	Doz.	100	1000
Mammoth Yellow—Large flowers—first size..	15	70	\$6 00
Yellow—First size .....	10	60	4 50
Madame Mina—White with violet stripes....	10	60	4 50
Mt. Blanc—Large, pure white, fine.....	10	60	4 50
Baron von Brunow—Large, deep, rich purple	10	60	4 50
Cloth of Silver—Small, silvery-white, striped			
Ilic; early .....	10	60	4 50
Livingston's True Blue—Richest of blues.....	10	60	5 00

	Doz.	100	1000
Cloth of Gold—Deep yellow, striped brown..	10	60	4 25
Sir Walter Scott—Extra large, striped purple			
and white .....	10	60	4 50
Albion—Large, deep purple flower.....	10	60	4 50
La Majestuese—White, striped blue.....	10	60	4 50
Prince Albert—Blue; very fine.....	15	75	5 00
Queen Victoria—Fine; pure white.....	15	75	5 00

## CALLAS. The Lily of the Nile.

READY IN SEPTEMBER.

A well known plant of easy cultivation. It requires rich soil and an abundance of moisture. They make good aquarium plants. For pot culture the soil best suited them is a compost of good loam and cow manure in nearly equal parts. After blooming reduce amount of water and rest the bulb from growth during summer. Repot in the fall and begin to water, using a little only at first.

Ethiopia.—The old favorite variety having dark green foliage and lovely, pure white, fragrant blooms of perfect form. Splendid plants for winter bloom. Our bulbs come into bloom very quickly after planting. Mammoth Bulbs, each, 20c.; dozen, \$2.00, postpaid. Medium Size Bulbs, each, 15c.; dozen, \$1.50, postpaid. Deduct 20c. per dozen if sent by express at purchaser's expense.

Dwarf or Little Gem.—These small Callas rarely exceed 12 inches in height, and bloom most abundantly. The flowers are not more than half the size of common Callas and can be used with telling effect in bouquets. Each, 15c.; 4 for 50c.

Spotted Leaf.—The leaves are a rich green, spotted with pure white. Flowers pure white with a rich chocolate throat. A beautiful ornamental plant, suitable for rustic vase or stand. Each, 20c.; 3 for 50c., postpaid.

## CYCLAMEN.

READY IN SEPTEMBER.

Cyclamen are very ornamental plants for either greenhouse or parlor culture. They can be easily grown, are very free bloomers and remain a long time in flower. The foliage is very beautiful. Plant bulbs in 5-inch pots in soil made up of equal parts of good loam, leaf mould and sand. Keep in a light, airy place, with quite low temperature; water but lightly until growth begins; then water more freely and give plenty of light and air. Each, 20c., 3 for 50c.; \$1.80 per dozen, postpaid.



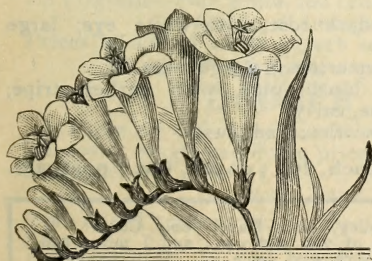
CALLAS.

## FREESIA

READY IN AUGUST.

One of the most popular and charming bulbs we offer for pot culture, for flowering in the winter and spring. 6 or 8 bulbs should be planted in a 5-inch pot. They can be had in bloom by Christmas if desired, and by having a dozen or more pots started at intervals they can be brought in a few pots at a time, thereby keeping up a continuous display of bloom throughout the winter. The flowers are produced 6 to 8 on stems about 9 inches high, and are very useful for cutting, remaining in good condition, if kept in water, for two weeks.

Refracta Alba.—Flowers pure white with a yellow throat and are exquisitely fragrant. Extra Large Bulbs, each, 3c.; dozen, 25c.; 100, \$1.40. First Size Bulbs, each, 3c.; 2 for 5c.; dozen, 20c.; 100, \$1.00, postpaid.



A SPRAY OF FREESIA BLOOM.

# HYACINTHS

Are rightly given a large space in catalogues on account of their great popularity. Their pretty flower spikes are a sure reward for perhaps a dozen different ways of culture, and will bloom at any time (if properly planted) between early December and late in May.

Planted outdoors they are one of our earliest and prettiest spring flowers. For windows in winter they are almost indispensable.

The colors and forms suit all tastes—rich dark crimson tints, purple and red, or soft tones of pink, blue and primrose, ivory or pure white.

The Roman Hyacinths are the perfection of lightness and grace, while the heavy, rich flower-stalks of the Dutch Hyacinths are often so large as to require staking.



Hyacinth Grown in Glass.

## Single Hyacinths.

Hyacinths Are Ready for Delivery in September.

These are, under any method of culture, more easily grown than the double ones, and produce larger and more flower spikes. They are especially preferable for growing in pots or vases of water. Named varieties should always be used to obtain the best results, especially for the house, as they are not only chosen for large size but distinctness of colors. We do not hesitate to offer our bulbs as strictly first-class, as we import them direct from Holland, and do not try to compete with prices of common graded bulbs. The named varieties below are the very best selections.

## Livingston's Superb

**Single Named Hyacinths** Our stock of bulbs should not be compared with many low grade bulbs now offered. Don't forget ours are the "True Blue" kind, just like the seeds on which we

have made our reputation. Single and dozen prices include postage; not less than three of any one kind supplied at dozen rate, and not less than twenty-five at the 100 rate.

### SINGLE RED AND ROSE.

*Moreno*—Extra fine pink, with large spike and bells; fine for pot culture.

*Pink Charles Dickens*—Delicate pink; extra large spike.

*Gertrude*—Rosy pink; large erect spike; of exceptional value for pots; large bulb.

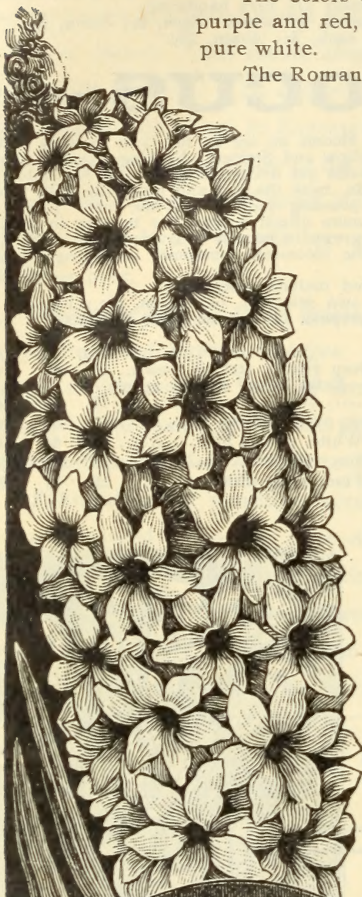
*Lord Macaulay*—Extra dark rose, with white eye; large bells.

*Robert Steiger*—Fine deep crimson; large truss.

*Norma*—Delicate waxy bluish pink, with darker stripe; large bells; extra fine, early.

*Roi des Belges*—Bright scarlet; fine truss.

Price any of above, each, 10c.; dozen, 90c.; postpaid.



SPRAY, SINGLE HYACINTH.

Mrs. Watson L. Bradley, New Haven Co., Conn.: "I bought my flower seeds of you last year, and I never had such a nice garden. Every seed came up. Shall try them another year."



**SINGLE HYACINTHS—Continued.**

**SINGLE BLUE.**

*King of the Blues*—Dark, glossy, indigo blue; extra large truss; finest dark blue  
*La Peyroux*—Fine light blue; large bells; good spike; fine for beds.  
*Regulus*—Extra large bells; clear blue.  
*Grand Maitre*—A grand variety; deep porcelain blue; large bulb.  
*Blue Charles Dickens*—Porcelain blue, shaded with purple; compact spike; sure to please.  
*Baron von Thuyll*—Dark bright blue; compact truss.

*Mary*—Very beautiful sort; having a large spike.  
*Grand Lilas*—Extra fine porcelain blue; very large spike and bells; one of the finest.  
*Czar Peter*—Very large spike of porcelain blue; distinct and beautiful. Each, 15c.; doz., \$1.25.

**SINGLE WHITE.**

*Blanchard*—Extra long spike; pure white.  
*Grandeur a Merveille*—Finest blush white; extra fine truss.  
*Grand Vidette*—Extra large; early, pure white.  
*La Grandesse*—Large bells; the finest pure white; each, 15c.; per 100, \$1.25.



**BED OF HYACINTHS.**

*Baron von Thuyll*—Snow white; large, compact truss of many bells; one of the best.  
*Voltaire*—Pale blushed; fine spike. *La Franchise*—Rose white; large bells; extra fine. *Mad. Van der Hoop*—Pure white; large bells. *Mina*—Pure white; fine spike. *Snow ball*—Pure white; fine.

**SINGLE YELLOW.**—*Herman*—Fine orange yellow; large bells.

Prices of any above Hyacinths except as noted, each 10c., or one dozen your selection for 90c. The full set, one each of the above twenty-five superb varieties, including those on page 4, for \$1.70.

**SINGLE MIXED VARIETIES.**—These Are Especially Desirable for Bedding.

At the single and dozen rate we pay postage, but at the 100 rate purchaser pays carrying charges.

	Each	Dozen	100		Each	Dozen	100
<i>Red—mixed shades</i> .....	5c.	60c.	\$4 00	<i>Dark Blue and Purple</i> .....	5c.	60c.	4 00
<i>Rose</i> .....	5c.	60c.	4 00	<i>Light Blue</i> .....	5c.	60c.	4 00
<i>Pure White</i> .....	5c.	60c.	4 00	<i>Yellow</i> .....	5c.	60c.	4 00
<i>White—tinted</i> .....	5c.	60c.	4 00	<i>Mixed—all colors</i> .....	5c.	60c.	3 50

**LIVINGSTON'S SUPERB DOUBLE NAMED HYACINTHS.**

Ready for Delivery in September.

The double varieties of Hyacinths are not so easily grown to perfection in pots, but when bedded out they do nearly as well as the single varieties. We have had some fine specimens in pots, however, and we think it pays to use some each season. The following will be found the cream of the list.

**RED AND ROSE.**

*Bouquet Royal*—Fine rose, with red center; very double; extra fine spike.  
*Bouquet Tendre*—Dark carmine red; early; good truss.  
*Czar-Nicholas*—Delicate, light pink; early.

**DOUBLE BLUE.**

*Bloksburg*—Good spike; finest double light blue in cultivation.  
*Garrick*—Light blue; dark center; extra large spike.  
*Prince of Saxony*—Semi-double; violate shade.

**DOUBLE WHITE.**

*La Virginite*—Pure white, red center. *Grootvoorst*—Rose white; fine; large truss.  
*La tour d'Auvergne*—Earliest pure white; large bells.

Prices of any of above superb sorts, each, 10c., or one dozen your selection for \$1.00. The full set, one each of the above nine varieties for 75c.

**DOUBLE MIXED VARIETIES.**

These are especially desirable for bedding where a grand display is desired at low cost. Single and dozen prices include postage. At the 100 rate purchaser pays express charges.

	Each	Dozen	100		Each	Dozen	100
<i>Red—mixed shades</i> ..	6c.	70c.	\$5 00	<i>Dark Blue and Purple</i>	6c.	70c.	\$5 00
<i>Rose</i> .....	6c.	70c.	5 00	<i>Light Blue</i> .....	6c.	70c.	5 00
<i>Pure White</i> .....	6c.	70c.	5 00	<i>Yellow</i> .....	6c.	70c.	5 00
<i>White—tinted</i> .....	6c.	70c.	5 00	<i>Mixed—all colors</i> ...	6c.	60c.	4 50



**DOUBLE HYACINTH**

*HYACINTHS—Continued.***Round Bed of Hyacinths.**

This bed is 5 feet in diameter (15 feet in circumference), composed of five circular rows, requiring a total of 100 bulbs planted six inches apart. Price for the 100 bulbs, \$4.75, buyer paying express or freight charges.

1st row (center) contains 9 Pink.  
2d row contains 14 White.  
3d row contains 20 Lavender.  
4th row contains 25 White.  
5th row contains 32 Dark Blue.

**ROMAN HYACINTHS. (Ready in September.)**

ROMAN HYACINTHS.

The Roman Hyacinth differs from the ordinary Dutch Hyacinth, producing greater abundance of bloom, each bulb throwing up several graceful spikes. The delicious perfume, earliness and profusion of bloom have made Roman Hyacinths exceedingly popular. Good results can be obtained by putting half dozen bulbs in an 8-inch pot or pan, making a mass of bloom. *Pure White.*

BY MAIL, postpaid, each, 5c.; 6 for 25c.; 12 for 45c.

BY EXPRESS, buyer to pay charges, 25 for 90c.; 50 for \$1.75  
100 for \$3.00.

**GRAPE HYACINTHS.**

Ready in September.

A charming class of perfectly hardy little plants, producing their bloom similar to a Lily of the Valley. They should be found in every garden, planted in clumps.

*Blue*—Each, 3c.; dozen, 25c. *White*—Each, 3c.; dozen, 25c.

**MINIATURE HYACINTHS.**

Ready in September.

These are small bulbing dutch Hyacinths which produce good spikes of bloom. On account of size they can be planted 10 or 20 in an 8-inch pot, and when in bloom make a beautiful display. We can supply them in *Red, Blue, Pink, White and Mixed*. Each, 4c.; dozen, 30c.; 100, \$2.00.

Mrs. H. A. Archer, Jefferson Co., N. Y., writes: "The pansies I raised from your seed last year were the largest and best I ever raised."

Mr. J. W. Estill, Pinal Co., Arizona, May 1, 1902, writes: "The basket of plants are received in good order, and hope for good results."



LILY RUBRUM.

**LILY OF THE VALLEY. Ready in November.**

*Best Berlin Pips*—The Lily of the Valley is one of the most useful and greatly admired plants grown. Flowers bell shaped, of the purest white, very highly prized for cutting purposes. Well adapted for flowering in the parlor or conservatory during the winter, but are perfectly hardy when planted outside. Each, 5c; doz. 40c; \$1.75 per 100, postpaid. Deduct 25c per 100 if sent by express, at purchasers expense.

**LILIES**

Harrisi and Candidum are ready for delivery in September. Other varieties not until November.

*Lilies for Bedding* should be ordered as early as possible, to be forwarded immediately on arrival. Lilies require little care beyond that of protecting them well in winter by using a liberal supply of coarse manure or leaves; also a mulch should be used in summer, as the rays of the hot sun may injure them. A well-drained soil suits them best. Manure should not come in contact with the bulb. They should be planted about six inches deep.

*Pot Culture.*—Put them in five or six inch pots, using a compost of one-half rich loamy soil, one-fourth well-rotted cow manure and one-fourth of clean sharp sand. Place the bulb in the center of the pot.



TRUE EASTER LILY.

**IXIAS. Ready in October.**

The flowers of the Ixias are produced in spikes and are of many brilliant and dazzling shades. They are equally good for outside planting or window garden. When grown in pots, use six to eight bulbs to a 5-inch pot, and otherwise treat same as other fall bulbs. Give plenty of water, sunshine and air when about to bloom and you will be well repaid for the small cost of the bulbs. All colors, assorted. Each 3c, 2 for 5c; doz. 20c.

**IRIS KAEMPFERII. Japan Iris.**

The Fleur-de-Lis so popular in France. The flowers are of immense size—6 to 8 inches in diameter—of the most beautiful and delicate shades. Perfectly hardy; plant gives a dozen or more flower stalks two to three feet high, each producing two to four blooms. Thrives best if planted in moist soil; if this cannot be had, water freely while growing and flowering.

*Mixed Double Japan*—10c each, 3 for 25c; 6 for 40c; dozen, 65c, postpaid.  
*Mixed Single Japan*—Same prices.

**GERMAN IRIS.**

Blooms several weeks before the Japan; flowers smaller but equally as rich in color.

*Best Mixed German*—Each, 8c, 6 for 35c; dozen, 65c, postpaid

**JONQUILS. Ready in September.**

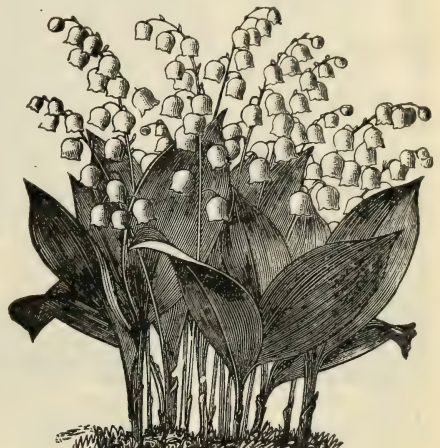
Sometimes Daffodils are called Jonquils, but this is wrong. Jonquils are smaller, very fragrant, and more delicate than most Daffodils.

*Single Jonquils*—Double deep golden yellow flowers, powerfully scented, good for forcing. Each 3c; dozen, 25c.

*Double Jonquils*—Double deep golden yellow flowers, powerfully scented, good for forcing. Each 4c.; doz., 30c.

*Campernelle*—Large six-lobed yellow flowers; four to six on a stem. Each, 3c; dozen, 25c.

*Regulosis*—(Giant Jonquil)—Broad perianth, with broad cup; when in full bloom they remain a long time. Each, 3c; dozen, 30c.



LILY OF THE VALLEY.

*Harrisi, of True Bermuda Easter Lily.*—Pure white, very fragrant, and a remarkable profusion of bloom, characterize this charming and celebrated Easter Lily. It is a magnificent variety for church decoration at Easter, and tens of thousands are grown for this purpose alone. Our First Size Bulbs will bear from eight to twelve flowers, and smaller sizes four to six flowers. *Not hardy in our climate unless very well protected.*

*The TRUE Bermuda Easter Lily.*—Price by mail, postpaid, Mammoth Bulbs, each 40c; per dozen, \$4.00. Medium size Bulbs, each, 25c; per dozen, \$2.00. Small size Bulbs, each, 15c; per dozen, \$1.25.

*Candidum*—(Hardy)—The old fashioned pure White Garden Lily. Flowers pure white, with heavy yellow stamens, and sweet fragrance. Bears from 5 to 20 blossoms. Must be planted in early autumn to succeed well, as it makes its leaf growth at once after planting, and prepares itself for early flowering. Fine Bulbs, 15c each, or \$1.50 per dozen, postpaid.

*Auratum*—(Golden-Rayed Lily of Japan, Hardy). Beyond question the grandest of all the Lily family. Flowers pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. Fully expanded, the flowers measure nearly a foot across, are produced abundantly from June to October, and possess a most delicious fragrance; very hardy. First size Bulbs, 20c, postpaid, 25c; 6 for \$1.00. Mammoth Bulbs, 35c each, 3 for \$1.00, postpaid.

*Speciosum Rubrum*—(Lancifolium Rubrum, Hardy).—White heavily spotted with rich crimson spots. The Speciosum and its varieties are magnificent border plants, and are also excellent for pot culture; height, three feet. Each, 20c; postpaid, 25c.

*Speciosum Roseum*—(Hardy)—White, stained and spotted rose; very beautiful, height, 3 feet. Each, 20c; postpaid, 25c.

# NARCISSUS

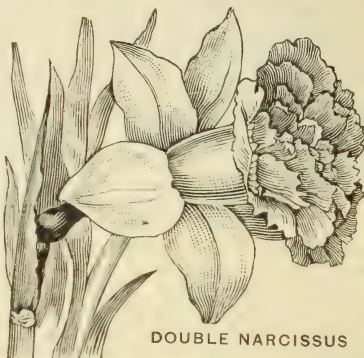
or Daffodills.

No flowers of the whole bulb family gives better satisfaction to the grower than the Narcissus. The varieties in form of flower and shades of color are almost endless. Of Easy Culture and Sure Bloomers. There is such a variety that they may be had the entire season. The cultivation is the same as for Hyacinths, only 3 to 4 weeks in the dark will be long enough for them to root. The Polyanthus sorts bloom in clusters, are not hardy, but the single and double varieties are all hardy.

PRICE.—Single and dozen prices include postage. Persons purchasing Narcissus at our store, or who wish to pay their own express charges may deduct 5c. per dozen. The 100 rate is by express purchaser's expense.



SINGLE NARCISSUS.



DOUBLE NARCISSUS

## DOUBLE NARCISSUS.

DAFFODILS.

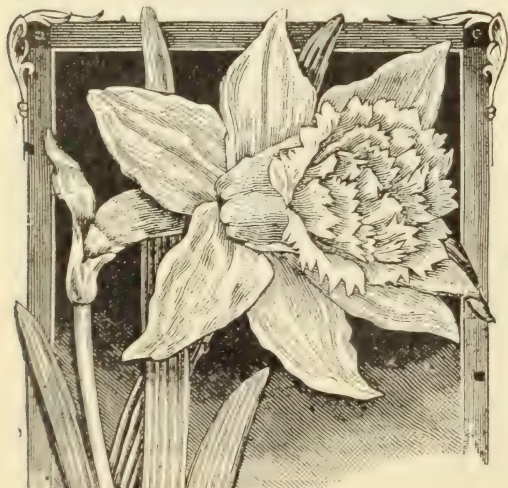
Each Doz.

<i>Alba Pleno Odorata</i> .—Pure white, very fragrant, bedding sort .....	3	30
<i>Incomparable</i> .—"Butter and Eggs." Full double flowers of rich yellow; good forcer or for out door planting .....	4	40
<i>Orange Phoenix</i> .—"Eggs and Bacon." Double white and orange flowers; splendid for pot culture.....	8	75
<i>Sulphur or Silver Phoenix</i> .—Large, beautiful creamy white flowers, fine for growing in pots.....	10	1 00

## VON SION NARCISSUS. (*Telamonius Plenus*)

The famous old "Double Yellow Daffodil." Rich golden yellow perianth and trumpet. Flowers large and of fine form; one of the best forcing varieties; fine for bedding; long stems; excellent for growing in pots or pans. Great quantities are grown annually. Our bulbs are extra fine, of the pure golden yellow strain. Each, 4c.; doz., 40c., postpaid; 100 for \$2.00, not prepaid.

*Double Nose Von Sion*.—Extra large bulbs, capable of producing 2 to 3 flowers each. Each, 5c.; dozen, 50c., postpaid; 100 for \$3.00, not prepaid.



VON SION NARCISSUS.



SINGLE NARCISSUS

One bulb each of the five choice Double Narcissus on this page, only 25c.

## SINGLE NARCISSUS. (*Daffodills*.)

Each. Doz.

<i>Bicolor Horsfieldii</i> .—Very large, pure white perianth, rich-golden yellow trumpet .....	10	1 00
<i>Bulbocodium</i> .—(Hoop Petticoat)—A rich yellow; dwarf .....	10	1 00
<i>Golden Spur</i> .—Earliest of all; large yellow trumpet Extra fine .....	10	1 00
<i>Stella</i> .—Large white perianth, yellow cup.....	4	40
<i>Poeticus Ornatus</i> .—White, with saffron cup and red eye. Early and of great beauty .....	5	50
<i>Poeticus Pheasant's Eye</i> .—Pure white, cup crimson edge; sweet scented .....	3	30
<i>Princeps</i> .—Sulphur white perianth, deep yellow trumpet; early, handsome.....	3	30
<i>Trumpet Major</i> .—Golden yellow petals and trumpet; free bloomers; first-class and extra early.....	3	30

One bulb each of above eight splendid single Narcissus only 40c.



CHINESE SACRED LILY.

## CHINESE SACRED LILY OR ORIENTAL NARCISSUS.

The Chinese Sacred Lily is properly a *Narcissus* of the *Polyanthus* type. The bulbs are large and solid and produce a profusion of bloom in an incredibly short time, usually not more than four to six weeks from the time of planting. The growth of foliage is surmounted by a cluster of cream colored flowers with golden cups.

**Culture.**—Being partially aquatic, this plant must have plenty of water. Take a shallow bowl, cover bottom with an inch or two of sand or small pebbles, set the bulb on this and put enough gravel around it to keep it from falling over. Fill the bowl with water half way up the bulb; place in a light window where the sun will not shine on it. Succeeds best in a temperature of about 50 degrees.

Our stock of Chinese Lilies are imported direct from China, and are choice, first class bulbs.

**Prices.**—By mail, postpaid, each, 15c; dozen, \$1.40. By express, not prepaid, each, 10c; dozen, \$1.00. Half dozen at dozen rates.



OXALIS.

**Ornithogalum.**—A beautiful plant, producing pearly white flowers with a jet black center, and having a delightful aromatic perfume. The flower stems are 18 to 24 inches, and the blooms remain perfect for a long time. They do equally well in house or garden.

**Arabicum.**—Large bulbs. Each 5c; dozen 50c.

## POLYANTHUS NARCISSUS.

Especially good as pot plants. They come into bloom early, can be grown in glasses of water, or in pots, and are very fragrant.

	Each.	Doz.
<i>Gloriosa.</i> —White, deep orange cup.....	5	50
<i>Grand Monarque.</i> —White; lemon cup, very large .....	8	75
<i>Grand Primo.</i> —White; lemon cup.....	5	50
<i>Grand Soleil d'Or.</i> —Yellow; orange cup; a beauty, free bloomer .....	5	50
<i>Jaune Supreme.</i> —Primrose with beautiful yellow cup .....	5	50

### PAPER WHITE GRANDIFLORA.

Vigorous grower, pure white flower, early, with immense individual flowers. A splendid forcer. Can be had in bloom by Christmas. Fragrant. Each, 5c; doz., 50c., postpaid; 100, \$2.00, not prepaid. Paper White—Earlier than Grandiflora, but blooms are not so large. Very fragrant. Each, 4c.; doz., 40c., postpaid; 100, \$1.50, not prepaid.



PAPER WHITE GRANDIFLORA NARCISSUS.

## OXALIS.

A class of bulbs especially adapted to growing in hanging baskets or pots. Easily grown, and produce large quantities of brilliant bloom throughout the winter. 6 to 8 bulbs should be planted in a 5-inch pot. Give partial shade when in bloom.

**Yellow Buttercup.**—This fine *Oxalis* is so easily grown, and so handsome in appearance (sometimes having as many as 70 large yellow flowers on a single plant at one time), that they have become universal favorites. It is a vigorous grower, so much so that two bulbs in a six-inch pot will give an abundance of foliage and bloom. When planted, the pot should be placed in a cool, dark place for about three weeks, then brought to the light and given a sunny location until they begin to bloom, when they should be given a little shade. Choice Bulbs—Each, 5c.; 3 for 10c.; dozen, 35c., postpaid.

**Bowii.**—Bright rose, 3 for 10c.; per dozen, 25c.

**Cernua Lutea.**—Canary yellow, 3 for 10c.; per dozen, 25c.

**Alba.**—White, 3 for 10c.; per dozen, 25c.

**Mixed Colors.**—3 for 10c.; dozen, 20c.

**Ranunculus.**—Requires a cool situation, and deep, rich, well-drained soil. Plant in autumn, claws downward, 3 inches deep, 6 inches apart, and give plenty of protection during winter. *Persian.*—Mixed, all sorts. Each, 3c.; doz., 20c. *French.*—Mixed, all sorts. Each 3c.; doz., 20c. *Turban.*—Mixed, all sorts. Each 3c.; doz., 25c.


SNOWDROPS




SCILLA SIBERICA.

**O**NE of the very earliest flowers to greet us in the spring, with their nodding blooms of pure white flowers, borne on stems about six inches high. They come a few days earlier than crocus, appearing frequently in March, before the snow has scarcely gone. The single variety comes a little the earliest. They are planted over the lawn or in masses, making a pleasing contrast when combined with scilla or crocus. They may also be potted and be had in bloom by Christmas. They are becoming general favorites. Everyone should have a few Snowdrops. They are so cheap.

Single, each, 3c. ; doz., 20c. ; 100, \$1.50.  
 Double, each, 4c. ; doz., 30c. ; 100, \$2.00.

## SCILLA SIBERICA.

Scilla Siberica is one of the hardiest bulbs we have, and are very valuable for a permanent edging to bed or border, its intensely blue bell-shaped flowers amid Crocus or with Snowdrops is exquisite. They are also grown in pots. Each, 3c. ; dozen, 25c. ; half-dozen, 15c.. post paid.



## TULIPS.

\*\*\*
TULIPS
\*\*\*

The Tulip can supply a brilliancy of coloring not approached by any other flower in spring. The rich shades and markings on its petals are as varied as they are bright. It is as hardy as the Hyacinth, and as easy to grow, requiring the same culture, and can remain in the ground for several years without disturbing, and will produce flowers almost equal to those of the first year.

The named varieties should always be used to get the most satisfactory results. Select the varieties that bloom at the same time, and grow about the same height. Should you desire a tall variety, put it in the middle of the bed. Our stock of Tulip bulbs are "finer than ever" this season.

The sorts that bloom together are indicated by the letters A, B, C, preceding each. The height to which they grow (in inches) is indicated by figures preceding the name of each.

**PRICES:** Single and dozen include postage. Persons buying at our store or wishing to pay their own express charges, may deduct 5c. per dozen. Half dozen at dozen rates. Prices by the 100 are not prepaid.



SURGOY & Co.

COTTAGE MAID. (SEE PAGE 11.)

NAMED

**SINGLE EARLY TULIPS**

VARIETIES



POTTEBAKER.

- B 8 *Silver Standard*—White, with crimson stripes; beautiful . . . . . 4 40 1 90
- C 8 *Wouwerman*—A splendid dark violet; very large; beautiful . . . . . 3 30 1 90

**PRICE**—Mixed Single Tulips, our selection, 100 for \$1.75, 200 for \$3.00

	Each	Doz.	100
B 9 <i>Belle Alliance</i> —Brilliant scarlet, fine for potting or bedding . . . . .	4	35	\$1 75
B 8 <i>Cardinals Hat</i> —Dark red, bordered brown . . . . .	4	35	1 60
B 9 <i>Chrysolora</i> —Golden yellow, large and handsome . . . . .	4	35	2 00
B 6 <i>Cottage Maid</i> —White, with rose edge; charming variety See cut page 10 . . . . .	4	40	2 00
B 9 <i>Crimson King</i> —Fine scarlet, bedder, large flowers . . . . .	4	35	1 75
B 9 <i>Keizerkroon</i> —Red, bordered with yellow, extra large . . . . .	4	35	1 90
B 8 <i>La Reine</i> —White, faintly tinted rose; best forcer . . . . .	3	30	1 75
A 8 <i>Pottebaker</i> —White, fine large flowers; good form . . . . .	4	40	2 50
B 8 <i>Rembrandt</i> —Bright scarlet, superb large flower . . . . .	4	35	2 00
B 6 <i>Rose Grisdelin</i> —Soft rose, shaded white; very fine . . . . .	4	40	2 50
B 7 <i>La Inmacule</i> —Pure white, very early and fine . . . . .	3	30	1 75
B 8 <i>Rachal Ruisch</i> —Rosy pink, fine for bedding . . . . .	4	35	1 75
A 6 <i>Adelaine</i> —Violet, very fine . . . . .	4	40	2 00
B 9 <i>Duchesse de Parma</i> —Orange red, banded yellow, very large and fine . . . . .	3	30	1 75
B 9 <i>Grand Master of Malta</i> —A dark red, with white border, extra fine . . . . .	3	30	1 75
A 6 <i>Ophir d'Or</i> —Very large, deep, pure yellow; fine potting . . . . .	5	50	2 50
B 12 <i>Proserpine</i> —"Queen of Tulips," very large; rich, silky, carmine rose . . . . .	5	50	3 00

**DUC VAN THOL TULIP**

The Duc van Thol Tulips are the earliest of all, grow only about six inches in height, and are especially desirable for potting.

	Each	Doz
Gold Fringed—Red, striped with yellow . . . . .	4	35
Orange—Terra cotta . . . . .	4	35
Red and Yellow—Fine . . . . .	3	25
Rose—Fine pink, opens white . . . . .	5	50
Scarlet—Millions are used for forcing . . . . .	4	35
White—Pure white . . . . .	5	50
Yellow—Dark citron yellow . . . . .	5	50

100 by express, not paid for, \$2.00. Fifty of each at 100 rates.

Have you noticed our Bargain Outfit of Bird and Cage on page 27; also our Aquaria Outfit on page 25. They are alright for Xmas presents.



DUC VAN THOL



PARROT TULIP.

**SINGLE LATE OR SHOW TULIPS**

FOR THE OPEN GROUND ONLY.

Grown for their beautiful bloom. Each individual blossom being a marvel of beauty in itself. They are taller than the preceding varieties, sometimes growing two feet high.

*Byblooms*—Mixed white ground, flaked with violet, crimson and maroon. Each, 4c.; dozen, 35c.

*Bizarres*—Mixed yellow ground, flaked with crimson, purple and violet. Each, 3c.; dozen, 30c.

*Maiden's Blush* (Picotee)—Bloom white with pink edge; long, narrow and reflex at top, fine. Each, 5c.; dozen, 50c.; 100, \$3 00.

*Bouton d'Or*—Beautiful golden yellow, graceful in form, and remains a long time after cutting. Each, 4c.; dozen, 40c.

*Gesneriana Spathulata*—Dazzling scarlet, with deep blue violet center, large flower; a gem for bedding. Each, 3c.; dozen, 30c.; 100, \$1.85.

**PARROT TULIPS.**

Especially adapted to bedding, blooming, as they do, later than other classes of tulips, they make a splendid succession, prolonging the season a week or more. They are of immense size and extravagantly showy, being of pure yellow, crimson or mixtures of these shades, with an occasional blotch of bright green. They have careless grace which is very delightful. We can supply in yellow, red or striped at the uniform price—each, 3c.; dozen, 30c., postpaid; 100, \$1.50, not prepaid.

# Double Tulips

NAMED VARIETIES



DUKE OF YORK.

	EACH	DOZ.	100
A 9 <i>Gloria Solis</i> —Crimson, with golden band; large, fine . . .	4	40	2.50
A 9 <i>Le Blason</i> —Blush white tinted and striped with rose. . .	5	50	2.75
B 7 <i>Count Leicester</i> —Orange and yellow. . . . .	3	35	2.0
B 8 <i>Duke of York</i> (see cut)—Rose edged with white, very large, and showy . . . . .	3	30	2.00
A 9 <i>Imperator Rubrorum</i> —Rich crimson scarlet, with yellow base . . . . .	4	40	2.75
R 8 <i>La Candeur</i> (see cut)—Pure white very large, fine for bedding. . . . .	3	30	1.75
B 8 <i>Murillo</i> —Splendid blush white, shading to rose, fine for potting. . . . .	5	50	2.75
B 9 <i>Rex Rubrorum</i> —Bright crimson, large and very showy	4	40	2.75
A 8 <i>Rose Blanche</i> —White, extra large . . . . .	3	30	1.75
B 8 <i>Rose Crown</i> —Carmine . . . . .	3	30	1.75
A 7 <i>Tournesoll</i> —Red and yellow early . . . . .	4	40	2.25
A 9 <i>Tournesoll Yellow</i> —Pure yellow early . . . . .	3	35	2.00
C 9 <i>Yellow Rose</i> —Large, pure, golden yellow; early; fragrant. . . . .	3	30	1.75

Price. *Mixed Double Tulips*, our selection (by express, not paid), 100 for \$2.00; 200 for \$3.00.

## COMBINATION COLLECTIONS OF NAMED TULIPS.

A bed 6 feet across, or 18 feet around requires 200 tulip bulbs, planted 5 inches apart.

**Combination No. 1.**

Composed of 50 bulbs each, white, yellow, pink and scarlet varieties, to be planted in quarter sections; \$3.50.

**Combination No. 2.**

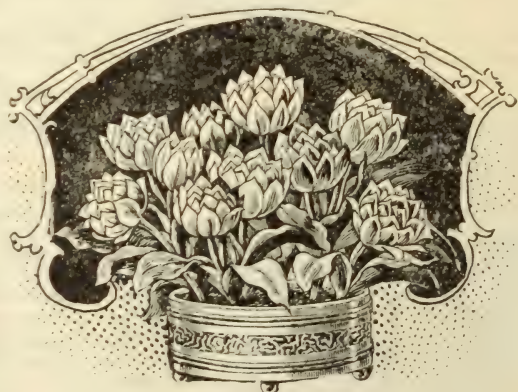
Composed of 100 bulbs each, yellow and scarlet, varieties to be planted as in No. 1; \$3.50.

**Combination No. 3.**

Composed of 100 bulbs each, pink and white varieties, to be planted as in No. 1; \$3.50.

**Combination No. 4.**

Composed of 100 each, double and single mixed varieties, to be planted as in No. 1; \$4.00.



LA CANDEUR

Prices by the 100 do not include prepayment, but are sent by express, purchaser paying charges.

**DON'T FAIL** to ask for our Spring Seed Annual, if not already a customer. It is always interesting. Contains over 100 pages, plenty of illustrations, accurate descriptions, and best of all, it offers "True Blue Seeds." The best the world produces.

Lizzie D. Griffin, Belmont County, Ohio, writes: "I have been sending to you for several years for my bulbs, and can say, they always give perfect satisfaction."

Note our Bargain Bulb Offers. Second page cover.



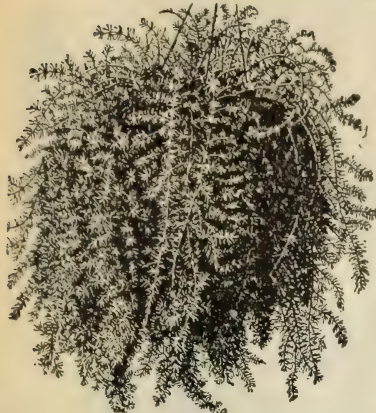
# PLANT DEPARTMENT.

The list we have selected and offer are such as will do well under proper treatment in the ordinary living room or a greenhouse. We have many other plants at our greenhouses, which we can supply if desired. Write us your wants. Our stock of Palms, Azalias, Primroses, Ferns, etc., are exceptionally fine. You are sure to receive exceptional value from our stocks for every dollar sent us.

*Shipping Plants.*—We send all plants by express, buyer to pay charges, except where noted. We guarantee the safe arrival of plants sent in this way. Plants sent by mail are entirely at the risk of the purchaser. We make no charge for packing.

## NEW WEeping ASPARAGUS, SPRENGERII.

This beautiful new Asparagus, Sprengerii, is considered one of the handsomest and most valuable plants for house and conservatory culture ever introduced. It is especially desirable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green, feathery foliage, which can be cut freely, and is very useful for bouquets, wreaths, and all kinds of floral decorations. It makes a charming ornamental plant for the window or conservatory in winter, and is equally as valuable for vases, baskets and porch boxes in summer. It is a strong, vigorous plant, very easily grown, requires but little care, bears cutting well, and keeps on growing fresh and green the whole year. Flowers white and delicately scented, but its chief beauty is in its lovely drooping, feathery green sprays, which are always greatly admired. Small plants, 10c. each; 3 for 25c., postpaid. Larger plants from 4-inch pots, 20c.



WIRE HANGING BASKET filled with Asparagus Sprengerii. Price \$1.00 each.

## ACHILLEA.

"THE PEARL." Pure White. The Great Cemetery Plant.

A plant will produce hundreds of flowers the first season, but when established the second year frequently have more than five hundred perfect flowers on the plant at one time. It commences to bloom early in July, and is a perfect mass of beautiful flowers until frost. Flowers pure white, perfectly double, and produced in large sprays, making it one of the finest cut flowers for bouquets, vases, baskets, etc. A most valuable plant for cemetery planting, as it is sure to thrive and bear its great profusion of snow-white flowers nearly the whole summer. A Hardy Perennial; succeeds everywhere. Plants, each, 10c.; 3 for 25c.; doz., 75c., postpaid.



ACHILLEA--THE WHITE PEARL.

## ASPARGUS PLUMOSUS NANUS.

CLIMBING LACE FERN.

One of the handsomest of foliage plants. The leaves are a bright green, gracefully arched, and as finely woven as the finest silken mesh; often having vines ten to twelve feet long; beautiful plant for climbing up the edge of lace curtains. Their lasting quality when cut is remarkable, retaining their freshness for weeks, hence it ranks as the most valuable plant we have for this purpose, surpassing Maiden Hair Fern in grace, fineness of texture and richness of color. See illustration. Price: Fine plants, 15c.; two for 25c.; large plants, 25c., postpaid. Large plants from 5-inch pots, 75c.; 7-inch pots, \$1.00, by express not paid. No charge for packing.



AZALIA INDICA.

## AZALIA INDICA.

We offer a very fine lot of Azalias, comprising the most distinct and best varieties in cultivation, embracing all shades of crimson, white, pink and rose color. They are shapely specimens, well "headed," double and single, splendid plants for winter and spring decoration. The plants we offer here will bloom from about the middle of February until the first of April, remaining in bloom for several weeks. Ready for shipment November 1st.

	Each.	Dozen.
Plants with heads 10 to 12 in. diam.....	\$ .75	\$ 7.50
Plants with heads 12 to 14 in. diam.....	1.00	9.00
Plants with heads 14 to 16 in. diam.....	1.50	15.00
18 to 20-inch heads, \$3.50 each; 20 to 24-inch heads,		\$5.00 each.



(CLIMBING LACE FERN.)

# FERNS.



Our stock of Boston Ferns are extra fine this season. Be sure and include one in your order.

## MAIDEN HAIR FERN, ADIANTUM.

A very beautiful fern, having long, graceful fronds. A distinct and lovely variety, indispensable for all purposes. Price, 15c each; two for 25c.



## JAPANESE FERN.

This is one of the most satisfactory house ferns ever offered. We import them in their dormant state, being in the shape of a large ball 6 or 8 inches in diameter. All that is necessary to start them growing is to immerse them two or three times a week in water. Its beautiful leaves and color attracts the attention of everyone. The center is moss, covered with fern roots in an ingenious manner, looking like a ball of small roots twisted together. After watering they start into life and in a short time are covered with a mass of beautiful green foliage. Many prefer them to hanging baskets. The fern leaves are beautiful and very lasting. Our first shipment will arrive in December. Balls 6 to 8 inches in diameter, ready to hang up, each 65c; two for \$1.00, postpaid.

## PAEONIES.

Herbaceous.

The old-time PINEY of our mother's garden, but improved in size and color.

Very showy and useful; exceedingly hardy, and will flourish in any section of the country, no matter how cold. Grow and flower well in almost any soil with very little care, but the flowers will be finer and the colors brighter if given rich soil and plenty of manure. Double white, rose and crimson; each, 20c.; 6 for \$1.00, postpaid.

We carry in stock some fine, large specimens of Ferns, Palms, Rubber Plants. Ask for prices.

## BOSTON SWORD FERN.

*Nephrolepis Exaltata Bostoniensis.*

A variety which originated in the vicinity of Boston, where it has been in popular favor for a number of years under the name of Boston Fern. In the vicinity of Boston no other plant is used so extensively as this *Nephrolepis*, which differs from the ordinary Fern in having much longer fronds, which frequently attain a length of four feet. These fronds arch and droop over very gracefully, on account of which it is frequently called the Fountain Fern. This drooping habit makes it an excellent plant to grow as a single specimen on a table or pedestal. Price, small plants, 10c each; plants from 3-inch pots, 25c; from 4-inch pots, 35c, postpaid. Good, large plants from 5-inch pots, 75c; from 6-inch pots, \$1.00; extra large plants with fronds from two to three feet in length, \$1.50.



## SHAKING FERN.

*Pteris Tremula.*

The foliage of the *Pteris* varieties is large and very graceful. The slightest movement of the air shakes the leaves of this kind, which we recommend more than any other for house culture, etc. It grows readily and very fast. Keep the leaves from dust and sprinkle slightly every warm day. Price, 10c each; two for 25c; large, handsome plants, 25c, postpaid. *Ficus Elastica.* See Rubber Plant.

## SMALL FERNS for Fern Pans.

We have a very fine collection of small Ferns suitable for Fern Dishes. Nothing makes so fine an ornament for the center of the dining table. We will mail SIX FERNS, all different, for 50c.; ONE DOZEN for 90c.

## PHLOX HARDY.

Perfectly hardy, they come year after year and bloom for months. Each truss of flowers forms a perfect pyramidal bouquet. Colors represented are rose, carmine, red, purple, pure whites and salmons, with their distinct eyes. Each, 10c; 3 distinct sorts, 25c, postpaid; by express, 15 for \$1.00.

*New Scarlet* ("Ball of Fire") a new variety of brilliant crimson color; very showy; fine contrast with the white, each 15c.; 2 for 25c, postpaid.

*Jean d'Arc, New*—A fine companion to the preceding, growing about the same height, with large heads of pure white flowers. Each, 10c.; 3 for 25c., postpaid.



Paeonies.

# NEW LEMON.

AMERICAN WONDER. (Ponderosa.)



AMERICAN WONDER LEMON.

This new variety of Lemon has had a great run during the past season, and every one seems to be pleased with it. It makes a splendid pot plant, as its glossy, dark-green, leathery leaves are not only very ornamental but fragrant. If it never produced either blossoms or fruit it would still be of great value as an ornamental plant—equal to the palms, rubber, etc. It stands rough usage and even neglect, and still look well. In size and fragrance its flowers excel the orange blossoms; are borne in immense pure-white clusters, remaining some time before falling. A plant in bloom, will fill the house with fragrance. It begins to bear fruit when quite small, as we have had them in fruit when not over 18 inches high. On large trees, 5 to 6 feet high, the fruit is often of immense size, some specimens weighing 4 pounds, while the average would be fully half that weight. The rind is very thin for such large fruit. The fruit is very juicy, makes delicious lemonade—in fact is not excelled by any other variety for fine flavor. It is an everbearing variety, as there are blossoms and fruit in all stages of development to be seen on many of the older specimens. It is much harder than the orange, and is bound to become popular, especially in the South, where they may remain out all winter. We send printed instructions for their care with each order. It is of very easy culture. Our stock is unexcelled, having been grown by us from that purchased of the originator. Get a few plants and grow your own lemons.

Thrifty Young Plants, 15c. each; 2 for 25c. Strong One Year Plants, 40c. each; 2 for 75c. By express, Extra Strong Plants, about 2 feet high, \$1.25 each; 2 for \$2.00.

In larger quantities, write for special prices.

# PALMS.

All Palms sent by express, purchaser paying charges, unless otherwise noted.

Palms will do well with little or no direct sunshine, and can be placed about the house with little regard to it, for the greater part of the time. Water thoroughly but not too often. A good garden loam with some rotten sod or leaf mold mixed in it is best for them. In summer or when confined to dry furnace heat a daily spraying is good; otherwise once a week will do. We have grown the kinds offered especially for use in the home, and they are good, strong, healthy plants. No other plant is more ornamental, or adds a more refined influence than a few palms. With ordinary care they will last for years. We will report them at small cost to anyone near us. Our Palm Tubs, offered on another page, are best for them.

## A BARGAIN IN PALMS.

- 1 *Latania Borbonica*, from 3 inch pot.....\$0 30
- 1 *Areca Lutescens*, from 3 inch pot..... 35
- 1 *Kentia Belmoreana*, from 3 inch pot..... 40
- 1 *Kentia Forsteriana*, from 3 inch pot..... 35
- 1 *Cocos Weddeliana*, from 3 inch pot..... 35

\$1 75

The above set of five choice Palms only \$1.40 delivered free to any place in the United States.

## LATANIA BORBONICA.



LATANIA BORBONICA.

A beautiful Palm, with large deeply divided fan-shaped leaves; of easy cultivation, and should be in every house collection of plants. Height, 12 inches. 30c.; postpaid.

Larger Sized Plants by Express, Not Prepaid.

- 4-inch pot, 15 inches high.....each, \$0 50
- 5-inch pot, 18 to 20 inches high..... " 1 00
- 6-inch pot, 20 to 24 inches high..... " 1 50
- 6-inch pot, 24 to 30 inches high..... " 2 50
- 7-inch pot, 24 to 30 inches high, large plant..... " 4 00
- 8-inch pot, 36 inches high, extra large..... " 5 50

## KENTIA BELMOREANA.

A beautiful strong growing palm with deep green, crisp foliage. One of the most popular for house culture. Height from 10 to 12 inches, 40c., postpaid.

Larger Sized Plants by Express, Not Prepaid.

- 4-inch pot, 12 to 15 inches high.....each, \$0 65
- 5-inch pot, 15 to 18 inches high..... " 1 00
- 6-inch pot, 18 to 22 inches high..... " 1 50
- 7-inch pot, 24 to 28 inches high..... " 2 50
- 8-inch pot, 30 inches high..... " 4 00



KENTIA BELMOREANA

## PALMS - Continued.

## KENTIA FOSTERIANA.

Similar to Belmorena but of brighter green and most delicate and graceful. 12 inches, 35c postpaid.

## LARGER SIZED PLANTS BY EXPRESS NOT PREPAID.

From 4-inch pot, 15 to 18 inches high .....	each, \$ 50
From 5-inch pot, 20 to 24 inches high .....	" 75
From 6-inch pot, 24 to 28 inches high .....	" 1 50
From 7-inch pot, 28 to 36 inches high .....	" 2 50
From 8-inch pot, 40 inches high.....	" 4 00

## PHOENIX RECLINATA.

A fine decorative palm; one of the finest vase plants, particularly for outdoor decoration. It is of very robust habit, and very easily grown. Will not burn under the hottest sun, and stands whipping by summer storms without marring its beauty. Very effective when planted in earthen vases, and in this way is particularly ornamental for decorating court yards, verandas, etc. This is the palm that was used so largely in vases throughout the grounds of the World's Fair. It thrives under more unfavorable conditions than any other palm, for which reason it is particularly adapted for hallways or other positions where other palms would not exist. Plants from 15-inch pots, \$1.00; from 6-inch pots, \$1.75; from 7-inch pots, \$2.50.



COCOS WEDDELIANA.

## Cycas Revoluta.

SAGO PALM.



CYCAS REVOLUTA.

These are magnificent plants of noble and majestic habit, and most impressive. They are probably the most valuable decorative plants grown, both for house and lawn decoration; their heavy glossy, deep green fronds resist alike the gas, dust and cold to which decorative plants are frequently exposed. Small Plants, with 3 to 4 leaves, \$1.00 each.

Medium size plants, 5 to 7 leaves, \$1.50; larger size, \$2.25. Cannot be sent by mail.

## Palm Tubs.

Just the thing for Palms or other large plants. See our list in back part of this book.



UMBRELLA PLANT.

## ARAUCARIA EXCELSA.

NORFOLK ISLAND PINE.

Deep green, feathery foliage, arranged in whorls, rising one above the other at regular distances; for symmetry of form and beauty of foliage it is unequalled. Price, 12 to 15 inches high, \$1.75; 16 to 20 inches high, \$2.25. Cannot be sent by mail.

ALL PALMS SENT BY EXPRESS UNLESS OTHERWISE NOTED.

## UMBRELLA PLANT.

CYPERUS ALTERNIFOLIUS.

A plant of the very easiest culture, and will thrive in any soil if kept well watered. They thrive best, however, in damp soil or in a partially shaded place like the north side of a fence, etc. It will grow in a bowl, dish or vase partly filled with soil and water. From the center of the umbrella-like and palm-like leaves appear small flowers, followed by young plants. Can be used in aquaria. Small plants, 15c; 5 for 50c; postpaid. Larger plants, 25c; 5 for \$1.00, by express not prepaid.

## Cocos Weddeliana.

This beautiful palm is unquestionably the most elegant and graceful in cultivation. Small plants of Cocos are very fine for the center of fern dishes. Small plants, each, 30c, postpaid; dozen \$3.00.

## Areca Lutescens.

One of the most valuable and beautiful Palms. Its dark, glossy green leaves are gracefully curved on slender stems, and the entire foliage is elegantly disposed. The trunk and stems are golden yellow. Height, 10 to 12 inches, 35c postpaid.

## LARGER SIZED PLANTS BY EXPRESS NOT PREPAID.

4-inch pot, 15 to 16 inches high.....	each, \$ 60
5-inch pot, 16 to 20 inches high.....	" 1 00
6-inch pot, 20 to 24 inches high.....	" 1 50
7-inch pot, 24 to 30 inches high.....	" 2 50
7-inch pot, 30 to 34 inches high.....	" 4 00
8-inch pot, extra large specimen plants..	" 7 00

## Pandanus Utilus.

This is perhaps the most useful of our ornamental foliage plants. As a vase plant or single specimen in greenhouse or conservatory it cannot be surpassed. Price from 4-inch pots, 50c each; 6-inch pots, \$1.00.

We Rent Palms and Ferns for Weddings, Funerals and Store Decorations.

## ❁ SPIRÆA OR ASTILBE ❁

Ready for Shipment in November.

**JAPONICA**—In the garden it flowers freely during the summer; and is perfectly hardy. Is of great value when grown in pots for window and greenhouse decoration, and indispensable for cutting. Flowers borne in large, feathery panicles of white, and last a long time in bloom. Fine clumps—each, 20c.; dozen, \$2.00, postpaid; by express, dozen, \$1.50.

## ❁ SNOWBALL, JAPANESE ❁

Valuable hardy Shrubs; flowers as large as the old variety but much more numerous; often twenty balls on a branch. Growth upright and compact, foliage olive green, beautiful both in leaf and flower. Each, 25c.; larger plants, 40c., postpaid; by express, dozen, \$2.00.



SPIRÆA

## RUBBER PLANT FICUS ELASTICA

This is certainly one of the best plants grown for decorative purposes. It succeeds well with ordinary treatment. Its glossy, thick, dark green leaves seem formed especially to resist the dust and gas to which plants in dwelling houses are exposed. Its large foliage and erect form are much admired. Small plants, 35c.; 5-inch pot plants, 75c.; 6-inch pot plants, \$1.00, by express, not prepaid.



RUBBER PLANT.

## YUCCA. (ADAM'S NEEDLE.)

A tropical looking plant, with long, narrow leaves, that remain green the entire year; flower stem, 3 or 4 feet high, bearing a large spike of cream white, bell shaped flowers that retain their beauty a long time; fine plant for cemetery, lawns, center plants, etc. By express—Good roots, 25c. each; stronger roots, 35c. each.



YUCCA.

# ❁ ROSES ❁

## The La France Set RED, WHITE, PINK, STRIPED.

A choice group of Hybrid Teas, widely known and celebrated everywhere for hardiness, constant bloom and beautiful color of their fragrant flowers. Each, 15c.; or the four La France, postpaid, for 50c.

*Pink La France*—This famous silvery-white rose is universally popular.

*Red La France* (Duchess of Albany)—Deep, rich rose pink.

*White La France*—Large, elegant, pearl-white flowers flushed with rose.

*Striped La France*—Similar to above, but the bloom is striped pink and white.

## FOUR RAMBLER ROSES.

The Ramblers have grown in favor so rapidly and are so well known that it is not necessary to devote space to a long description of these wonderfully beautiful and hardy climbers. They are suitable for training on walls, verandas, trellises, arbors and pillars, and as specimen pot plants for winter forcing. Flowers are well formed, and though small are produced in so great profusion as to present an immense mass of bloom. Many of our customers report that single plants when in bloom showed thousands of flowers. *Crimson. White. Yellow.* Price—Postpaid, good plants from 2½ inch pots, 15c. each; four for 50c.; strong plants, 1-year-old, 30c.; four for \$1.00.



METEOR ROSE. (See page 18.)

# FOUR HARDY CLIMBING ROSES

POSTPAID, EACH, 15C; 4 FOR 40C.

It may be well to give the caution that Climbing Roses do not require the close annual pruning that the Hybrid Perpetuals need, nor will they submit to it and produce flowers. The long shoots or canes of the climbers bear short side branches, on which the flowers are borne, and the plants are capable of bearing great numbers of flowers annually; these side-growths are therefore to be encouraged. Cut out all old canes and cut back to the side shoots for renewal.

**Baltimore Belle**—Pale blush, shading to rose; double flowers in clusters.

**Prairie Queen**—Extra fine, free bloomer, flowers large, bright rose, sometimes striped white. Deservedly popular.

**Climbing Meteor**—This new rose might well be called perpetual blooming climbing Jacqueminot, the color of which it strongly approaches, but is more vigorous, producing ten times the number of flowers on immense stems.

**Mary Washington**—A hardy perpetual blooming climber, bearing large double fragrant white roses, usually in large clusters, in great abundance; a vigorous and rapid grower.

## HARDY ROSES. POT GROWN, BUDED, READY IMMEDIATELY FOR FALL PLANTING IN OPEN GROUND.

Of easy culture, not requiring protection, but are benefited by mulching their roots with leaves, long manure or other course litter during the winter. They are not suitable for house culture, but when you want strong bushes in the yard to stand all winter, or to form a rose hedge, these are the kind to use.

PRICE: Mailing size, 10c each, unless otherwise quoted; 6 for 50c. Two year old plants, by express, 25c each, \$2.50 per dozen.

**AMERICAN BEAUTY, the World Famous Rose**—This rose has become as famous as the Mairial Neil. Buds large, full, double and exceedingly sweet; color rich rosy crimson, exquisitely shaded. The flowers are very lasting after cutting, and command the highest price in the market. It is difficult to start from small plants, hence we advise buying 2 year old stock. One year old plants, 20c, postpaid. Large 2 year old plants by express, not paid, each 35c; 3 for \$1.00.

**Anna de Diesbach**—Brilliant rose color, with long pointed buds and large perfectly formed blossoms, delightfully fragrant; vigorous grower, persistent bloomer. One of the best in this class 15c.

**Clio**—Simply perfect in form, with fine broad petal; beautiful at all stages of development; delicate satin blush, with light shading of rosy pink at the center; free blooming; strong, healthy grower, 15c; 2 for 25c.

**Coquette Des Blancches**—Best pure white; hardy, fragrant.

**General Jacqueminot**—Bright crimson scarlet, exceedingly rich and velvety; the buds and partially open flowers are beautiful. Strong, healthy grower and free bloomer.

**Prince Camille de Rohan**—Very deep velvety crimson; large and fine. The nearest approach to a black rose.

**Etoile de Lyon**—Light golden yellow; very sweet; large; fine form; best yellow for open air culture.

**Hermosa**—A great favorite; always in bloom; a most pleasing shade of pink; grand for bedding or pot culture.

**Meteor**—A most beautiful rose; unsurpassed among Hybrid Teas for hardiness and freedom of bloom; long-stemmed flowers of medium size; double; color intense glowing velvety crimson.

**Ball of Snow**—A finely formed pure white rose; beautiful she shaped petals. Flowers of good size. Very free bloomer and fragrant.

Mr. Wm. T. Solomon, Jr., D. C., May 24, 1902, writes: "Plants arrived in good condition—could not be better."

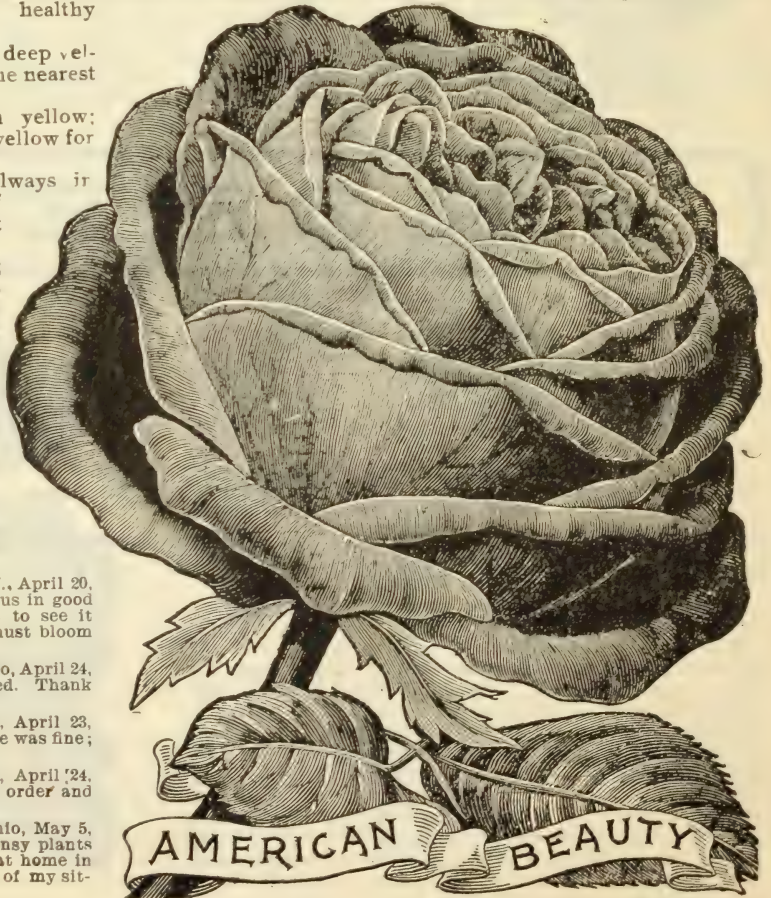
Mr. J. M. Burrows, Dutchess Co., N. Y., April 20, 1902, writes: "Everything has come to us in good order. I am watching my lemon tree to see it bloom. It looks so fine that I think it must bloom soon."

Mr. Frank Richards, Delaware Co., Ohio, April 24, 1902, writes: "Balance of order is received. Thank you for fine quality of plants."

Mr. E. E. Fulton, Belmont Co., Ohio, April 23, 1902, writes: "The rose bush you sent me was fine; am well pleased."

Mr. Otis E. Rush, Walker Co., Texas, April 24, 1902, writes: "The plants came in fine order and they are fine plants."

Mrs. A. Cunningham, Richland Co., Ohio, May 5, 1902, writes: "The Moonflower and Pansy plants came today. The latter look perfectly at home in their nice bed under the north window of my sitting room. Many thanks for extras."



# Flower Seeds FOR Fall Planting

## Livingston's Select Fancy Pansies.

Pansies sown in the fall produce the finest and largest flowers. Our Fancy Strain contains many leading colors.



### Livingston's Fancy Mixed Pansy.

- Fire King—Golden yellow, upper petal purple... 5
- Belgian Striped—A lovely class; flowers of various colors... 5
- English "Face" Pansy—Light and dark blue, each marked with a distinct "face"... 5
- Azure Blue—Extra fine... 5
- Light Blue—Lovely; nearly sky blue... 5
- Yellow—Black center; splendid... 5
- Yellow Gem—Without eye; very fine... 5
- Dark Purple—Rich, deep purple; fine... 5
- Mahogany Colored—Very fine... 5
- Snow Queen (Snowflake)—Delicate satiny white... 5
- King of the Blacks (Faust)—Almost black... 5
- Silver Edged—Dark purple, with a distinct white edging; a most charming Pansy... 5
- Gold Margined—Splendid variety... 5
- Pure White (Black center)—Very showy... 5
- Violet—Margined with white; extra fine... 5
- Giant Yellow—A beautiful clear yellow, heavily blotched on the three lower petals... 10

### Noted Mixtures of Pansies.

Livingston's Select Fancy Pansy Seed.

A strain of Pansy which, for variety and beauty, has no equal. Its large and perfectly formed blooms with thick, velvety petals of an endless variety of rich and delicate colors and tints, distinguish this strain from all others. We invite a trial order from you, knowing that such an order would result in future trade. Do not be misled and buy cheap Pansy seed, as a few cents extra for good seed will bring good returns. If you grow for market, Livingston's Select Fancy Pansy will put many extra dollars in your pocket. Packet, 25c.; 5 for \$1.00; 1/2 oz., \$1.75; 1/4 oz., \$2.75; 1/8 oz., \$4.75; 1 oz., \$9.00.

- Giant Trimardeau—Flowers of enormous size. An altogether distinct and beautiful new race; Each flower is marked with three large blotches or spots, and the plants are of compact growth and produce an endless variety of beautiful shades. Mixed... 10
- German Imperial—Mixed... 10
- English Pansy—Finest mixed... 10
- French Pansy—Choice mixture of finest varieties... 10
- International Mixture (All nations)—A favorite... 10
- Mammoth Butterfly Mixture—Fine. 2 pkts., 25c... 15
- Large Flowering—Very fine mixture. 1/3 oz., 25c.; 1/2 oz., 40c.; oz., \$1.25... 10
- Good Quality (mxd.)—Oz., \$1; 1/4 oz, 35c.; 4 pkts. 15c... 5

### Special Pansy Offer.

Any 6 of the 5-cent packets for 25c.; any 13 of the 5-cent packets for 50c.; or 15 of the 5-cent packets, and one packet, "Livingston's Select Fancy" strain, for only 75c. postpaid. Count 10c. pkts. same as two 5c. ones.

#### VARIETIES WHICH REQUIRE COLD FRAME PROTECTION FOR COLD CLIMATES.

- Antirrhinum, Tall mixed... 5
- " Tom Thumb... 5
- Bellis, Double, mixed... 10
- " Giant white... 10
- Carnation, Hardy Garden, mixed... 25
- " Marguerite, double, mixed... 5
- " Giant Marguerite... 10

Pansy Plants ready in October for planting in the South.

- Hollyhock, Ex. choice, double, mixed... 10
- " Good mixture... 5
- " New Fringed Mammoth Dbl. Allegheny, mxd. 10
- Myosotis Alpestris, mixed... 5
- " Blue... 5
- " Victoria, blue... 10

### PRIMULA--Chinese Primrose.

Charming, profuse blooming plants for winter and spring decoration in the house. Sow seed, cover lightly and keep moist.

- Best White—Finely fringed. Pkt., 25c.
- Fern-Leaved—Choice mixed. Pkt., 20c.
- Single Large Flowering Fringed—A mixture giving great satisfaction. 25c.

- Dbl. Large Flowering Fringed—Finest sorts mxd, 35c.
- Obconica—Lovely and profuse bloomer. Pkt., 10c.
- Japonica (Japanese Primrose)—Bright, showy flowers, mixed colors. Pkt. 10c.

### VARIETIES WHICH REQUIRE HOUSE OR CONSERVATORY CULTURE

- Asparagus, Plumosus Nanus... 10
- Begonia, Tuberos, single, mixed... 25
- " Double, mixed... 50
- " Vernon... 10
- Calceolaria, large flowering, mixed... 25

**CINERARIA.** A favorite free-flowering plant of wondrous beauty, with flowers of great richness and diversity of color. Sow in boxes during September and October.

- Large Flowering Hybrida—Choice mixed; pkt... 20
- Large Flowering—Second quality; very good... 10
- Cobaea Scandens—Blue... 10
- Coleus, Mixed... 15
- Cuphea Miniata Compacta... 5
- Cyclamen Persicum, mixed... 10
- " Giganteum... 20
- Ferns, Mixed... 10
- Fuchsia, Mixed... 15
- Gloxinia—Large flowering mixed... 25
- Petunia—Giant of California, mixed... 15
- Smilax... 5

### SOWN IN OPEN GROUND TO COME UP NEXT SPRING.

- Aquilegia—Single, mixed... 5
- " Double, mixed... 5
- Alyssum, Sweet... 5
- " Little Gem... 5
- Candytuft—Empress, pure white... 5
- " New Dwarf Hybrids... 5
- " Mixed, oz, 15c... 5
- Coreopsis Lanceolata Grandiflora... 10
- Lathyrus Latifolius, mixed... 5
- Sweet Peas—Eckford's, mixed... 5
- " Livingston's Mixture... 10
- " Lavender... 5
- " White... 5
- " Scarlet... 5
- " Pink... 5
- " In bulk, Eckford's, mixed; oz., 10c.; 1/4 lb. 20c.; 1 lb, 60c. Livingston's, mixed oz., 15c.; 1/4 lb., 25c.; 1 lb., 75c.
- Sweet William, mixed... 5
- " Double, mixed... 5

Dozen, 40c. postpaid; 100, by express. not prepaid, \$2.00.

# VEGETABLE SEEDS.

Prices on vegetable seeds include postage. If sent by express, purchaser paying the charges, the postage may be deducted at the rate of 8c per pound.

## ASPARACUS ROOTS.

Ready in October.

Columbian Mammoth White	ALL TWO YEAR ROOTS.	Per 1,000	... \$5 50
Donald's Elmira.....			... 5 00
Palmetto.....			... 5 00
Barr's Mammoth.....			... 4 00
Conover's Colossal.....			... 4 00

## BEETS.

	Pkt.	oz.	¼ lb.	lb.
Early Eclipse .....	5	10	20	45
Early Egyptian—Very early, dark blood-red, medium size, tender and sweet, used for forcing ...	5	10	20	50
Dewing's Improved Blood Turnip—Roots smooth, handsome, good size, tender and sweet. A favorite with marketmen. The seed is grown from SELECTED BEETS	5	10	20	50
Long Dark Blood Turnip.....	5	10	20	50
Edmund's Early Turnip.....	5	10	20	50
Lentz Ex. Early Blood Turnip....	5	10	20	50
Detroit Dark Red Turnip.....	5	10	20	60

## CABBAGE.

American Grown. Excepting Danish Ballhead and Winningstadt.  
**Early Jersey Wakefield**—Grown extensively for market. large heads for an early sort, pyramidal in shape, having a rounded peak, small outside foliage, and uniformity of crop. The sort mostly used for wintering over in cold frames. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; lb., \$1.85.  
**Livingston's Ideal Winter**—A splendid strain of Flat Dutch. Ideal because of the uniformly large, shapely heads, produced on low, short stems, and having few outside leaves. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

	Pkt.	oz.	¼ lb.	lb.
Earliest Express, or New Wonderful.....	5	15	40	\$1 25
Burpee's All Head.....	5	25	65	2 25
Large Charleston Wakefield.....	5	30	90	3 25
Henderson's Early Summer.....	5	20	60	2 00
Early Winningstadt, hard header	5	10	30	1 00
Fottler's Brunswick.....	5	20	60	2 00
Henderson's Succession.....	5	25	75	2 50
All Seasons, or Vадergaw ...	5	25	65	2 25
Livingston's Premium Flat Dutch	5	20	60	2 00
Burpee's Sure Head.....	5	20	60	2 00
Large Late American Drumhead.	5	20	50	1 75
Rock Red Mammoth.....	10	25	65	2 25

## CAULIFLOWER.

	Pkt.	¼ oz.	oz.
Livingston's Earliest—Compact, very early, sure header, large, solid, white as snow, good for early or late planting.....	25	90	\$3 50
Henderson's Early Snowball.....	20	65	2 25
Late Large Algiers.....	10	20	50
Vietch's Autumn Giant.....	10	20	45

## CORN-SALAD.

	oz.	¼ lb.	lb.
Large Broad Leaved—(5 lbs., \$1.75)...	5	15	40

## CUCUMBER.

**Livingston's Emerald**—A glossy, dark green variety that holds its color. Very productive. Long, straight, slim, smooth, attractive pickles, not excelled as a long distance shipper. It is free from warts and spines. Pkt., 5c; oz., 10c; ¼ lb., 30c.  
**Livingston's Extra Early White Spine**—This Private Strain we have had for over 30 years, and is the most thoroughbred, uniform and shapely variety

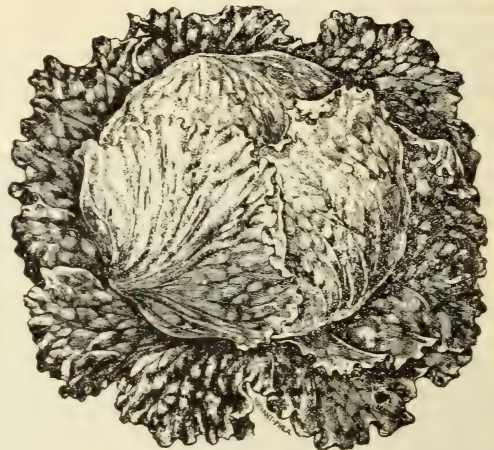
known. It excels in earliness. In purity it is unequalled. Vines are vigorous growers. Excellent for slicing and makes choice pickles; a great bearer; no sort excels it in crispness and flavor. Pkt., 5c; ¼ lb., 25c; lb., 75c.

	Pkt.	oz.	¼ lb.	lb.
New Cumberland—Very handsome	10	15		
Arlington Improved White Spine.	5	10	15	50
Extra Long, or Evergreen White Spine.....	5	10	15	50
New Japanese Climbing.....	5	10	25	75
Green Prolific—Standard strain, popular.....	5	10	15	40
Early Green Cluster.....	5	10	15	40
Improved Long Green—Choice stock.....	5	10	15	40
Gherkin, or Burr—True stock....	5	10	20	75
Jersey Pickling.....	5	10	15	45

## KALE.

	Pkt.	oz.	¼ lb.	lb.
Siberian, or Dwarf German Greens	5	5	15	40
Dwarf Green-Curled Scotch.....	5	10	20,	60

## LETTUCE.



### THE WONDERFUL.

The Largest Heading Lettuce we have ever seen. The heart is solid, of pleasing light green color, very tender and crisp, without the slightest trace of bitterness found in most lettuces. FOR EXHIBITION PURPOSES and for an OUTDOOR, ALL-SEASONS VARIETY it stands unrivalled. Pkt., 5c; oz., 15c; 4 ozs., 50c; lb., \$1.25.

**Livingston's Bon Ton**—Absolutely the most crisp and delicious lettuce grown. Very uniform—every head alike. Pkt., 10c.

	Pkt.	oz.	¼ lb.	lb.
Grand Rapids—Our stock of this is very fine. It was grown for us by the originator.....	5	10	30	
Select Hanson—Makes fine, solid heads.	5	10	30	
Big Boston—Fine for cold frames and early out doors.....	5	15	40	
New Improved Defiance Summer.....	5	10	30	
Black Seeded Simpson—Select stock...	5	10	30	
Early White Cabbage, or Phila Butter..	5	10	25	
Salamander—A splendid heat-resisting variety.....	5	10	30	
Iceberg—Quick growing, fine quality...	5	15	35	
Crisp as Ice—Very crisp.....	10	15	50	
California Cream Butter.....	5	10	30	
Prize Head—Large heads, tinged with brown.....	5	10	30	



**MUSHROOM SPAWN.**

Livingston's Sure Crop English Spawn. The best obtainable. Price, lb., 30c; 5 lbs, \$1.25. By express (not prepaid) 5 lbs., 75c.; 10 lbs., \$1.25.

**RADISH.**



Improved  
Scarlet  
Globe  
Radish.

**PARSLEY.**

	Pkt.	Oz.	½lb
Fine Double Curled—Crimson leaves,	5	10	15
Champion Moss-Curled—Dense foliage fine color.....	5	10	15
Extra Curled Emerald—Very popular,	5	10	15
Hamburg, Turnip-rooted.....	5	10	15

**TOMATOES.**

No Establishment in the World Makes Such a Specialty of Tomato Seed Growing as Ourselves.

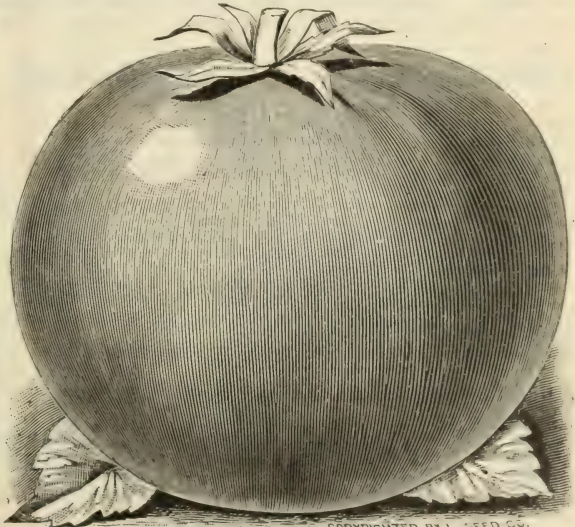
The Magnus in color is dark red (purple); in shape it is thick, heavy and very solid, and is perfect in form, very large, and exceptionally early. It is a robust grower, with short joints, setting the fruit clusters closer than most varieties, and is, therefore, a heavy cropper. It is not uncommon to find clusters of eight and ten with five or six ripe ones ready for first picking. The Magnus is the best greenhouse tomato in the world. They yield about twice the crop of any other variety. We advise those who grow tomatoes in the greenhouse to give this variety a trial. Packet, 10c.; ½ oz., 25c.; oz., 50c., ¼lb., \$1.25.

New Dwarf Stone. Introduced by us in spring of 1902. Is same size, shape, color and as solid as our original "Stone," but this one may be planted closer because of the dwarf plants. Fruit double the size of Dwarf Aristocrat. Very desirable for small gardens, where every foot must be occupied. Pkt., 20c.; 3 pkts, 50c.

	Pkt.	Oz.	¼lb.	1b
Improved Scarlet Globe—(Sturtle) (Red Rocket), quickest growing of any	5	10	20	65
Cincinnati Market—Finest forcing, long scarlet; thin skin, flesh crisp, brittle and of delightful flavor...	5	10	25	80
Livingston's New Pearl—Pearly white, almost transparent, very waxy in appearance, firm and solid, good to eat for more than two weeks...	5	10	30	1 00
White "Box."—Choice white.....	5	10	25	75
Early Deep Scarlet Turnip—Round red	5	10	20	65
New Rosy Gem—Scarlet top, white tip,	5	10	25	75
Improved Chartier, or Shepherd—Beautiful early summer variety...	5	10	25	80
Wood's Early Frame—Earliest long red	5	10	20	50
Long Sc'rl't Short Top—Dark red, early	5	10	20	65
Early Scarlet Turnip—Large round...	5	10	20	65
Extra Early Snowball—Earliest white.	5	10	25	80
New White Strasburg—Grows very large, good at all sizes.....	5	10	25	85
Gray Summer Turnip—Always crisp,	5	10	20	65

**SPINACH.**

	oz.	¼ lb.	1b
Prickly-Seeded Winter.....	5	15	30
Viroflay Thick Leaf.....	5	12	30
Long Standing.....	5	15	30
Bloomsdale Savoy.....	5	12	30
New Victoria.....	10	15	40



COPYRIGHTED BY L. SEED CO.

Livingston's Magnus Tomato.

	Pkt.	½oz.	oz.	¼lb.
Livingston's Beauty, Early Purple.....	10	15	25	75
Livingston's Stone, Red.....	10	15	25	75
Livingston's Buckeye State, Large Purple.....	10	15	25	80
Livingston's Dwarf Aristocrat, Red.....	10	15	25	80
Livingston's Early Acme, Purple.....	10	15	25	75
Livingston's Perfection, Early Red.....	10	15	25	75
Livingston's Favorite, Red.....	10	15	25	75
Livingston's Paragon, Red.....	10	15	25	75
Livingston's Royal Red, Good Canner.....	10	15	25	75
Livingston's Golden Queen, Large Yellow.....	10	15	25	75
Livingston's Potato Leaf, Heavy Foliage.....	10	15	25	75
Livingston's Gold Ball, Small Yellow.....	10	15	25	75
Livingston's Large Rose Peach.....	10	15	25	75
Livingston's Honor Bright, Long Keeper.....	10	15	25	80
Livingston's Magnus, introduced by us in 1900. The latest and the best. (See cut above.)				
Ponderosa, Very Large Purple.....	5	20	35	1 00
Dwarf Champion, Purple.....	5	15	25	75
Yellow Plum, for Preserves.....	5	15	25	
Ground Cherry or Husk.....	5	15	25	

# LIVINGSTON'S Lawn Requisites.



**HOW TO MAKE A LAWN.**—It is told very accurately in our 32-page booklet, "Grass Talks." Every detail, from the preparation of the soil, the time to sow, the quantity of seed needed, to the finished lawn, is told so plainly that no mistakes can be made. It is sent free to customers. 20 cents per copy to others.

## Livingston's Capital Lawn Seed Mixture

We have made the subject of Lawns a study for many years and this mixture has been prepared and sold by us in all parts of the country, giving general satisfaction.

In making a lawn great care should be taken to use only the very best quality of suitable lawn seed so as to produce a soft velvety evergreen sod.

Our mixture weighs about 20 pounds to the measured bushel and is not surpassed by any on the market.

Quantity of Seed Required to Sow an Acre (43,560 sq. ft.) For new lawns, not less than four bushels; for renovating old lawns, from one to two bushels.

A pound of our mixture will sow about 500 square feet.

Prices:—First Quality, per lb., 25c; 5 lbs., \$1.00; 1 bu., \$3.50; 2 bu., \$6.50; 5 bu., \$15.00. If to go by mail, add to the above prices 10c per pound for postage.

Livingston's Lawn Seed Mixture can be had with or without White Clover, as customers prefer.

## Our Lawn Grass Mixture for Shady Situations

On nearly all lawns there are shaded, bare and unsightly spots on which the owners have difficulty in getting a stand of grass; for such places this mixture is adapted. Should the ground have become "sour" or drainage defective, it is apt to be covered with moss. If such is the case apply some lime or land plaster to sweeten it, after first removing the moss, then rake thoroughly and sow the seed at the rate of not less than four bushels per acre. Price, pound, 40c; 5 lbs., \$1.75; bu., \$6.50. If to go by mail, add to the above price 10c per pound for postage.

## Golf Links Mixture.

We make a mixture of grasses suitable to the purposes of the Golf Links, as it will stand rough usage. We can also make up any desired mixture if formula is submitted. Let us name you prices on our own or your mixture.

## Kentucky Blue Grass.

Many prefer plain Blue Grass to a mixture, and it cannot be denied that it produces a beautiful and lasting lawn. It takes longer, however, to get it established. Price, (Fancy clean seed), pound, 30c; 3 lbs., 60c; bu. (14 lbs.), \$2.00. If to go by mail, add to the above price 10c per pound for postage.



BLUE GRASS.

## White Dutch Clover.

The very best variety for lawns, as it forms a close herbage, never gets so high that the mower cannot be used, and remains green throughout the season. Sow in spring at the rate of 5 pounds per square acre when sown alone, half the quantity when sown with other grasses. (Bu. 60 lbs.) lb., 35c; 10 lb., \$3.00; 100 lbs., \$25.00. If to go by mail, add 10c per pound for postage.

Wood Meadow Grass—(*Poa nemoralis*)—For pasture or pleasure grounds; of early growth; thrives well under trees. Sow 2 bushels per acre. (Bu. 14 lbs.) Lb., 65c.

Rhode Island Bent Grass—(*Agrotis canina*)—Valuable for lawns. Sow 3 or 4 bushels to the acre for lawn; for pasture sow 1 1/2 to 2 bushels. (Bu. 12 lbs.) Lb. 35c; 10 lbs., \$2.50.



WHITE CLOVER.

## LAWN FERTILIZER.

Old and new lawns require stimulating after the long drag through winter, or in the fall after the season of cutting and the heat of summer. Bone Meal we have found, after years of experience and tests, to be the best adapted to the wants of the lawn. It should be sown broadcast, from the middle of February to first of May in spring and from September to November in the fall at the rate of 600 to 800 pounds per acre, according to condition of lawn. In preparing a new lawn use a liberal quantity and rake it in thoroughly before sowing seed.

10 pound Bag.....	\$ 50
25 pound Bag, enough for 600 square feet.....	1 00
50 pound Bag, enough for 1,200 square feet.....	1 50
100 pound Bag, enough for 2,500 square feet.....	2 50

## LAWN MOWERS.

Our Cadet mower is not excelled by any other on the market at the prices. From \$3.50 to \$4.00, 12 to 16-inch. And there is nothing to equal our high grade Imperial mowers at \$6.50 to \$10.00. See our line.

Lawn Sweepers, Lawn Rollers, Lawn Edgers, Rakes, Grass Hooks, Wheelbarrows, Mole Traps. Everything in fact with which to keep a lawn in perfect order. We will send you a man to make your lawn for you if desired. Talk to us about lawns when interested.

# FERTILIZERS AND INSECTICIDES

As there is now very strong competition in Fertilizers, we prefer to make a Special Price to parties wanting it in Ton or Car Lots. Prices on Fertilizers are F. O. B. Columbus.



## WALKER'S EXCELSIOR PLANT FOOD

Odorless and perfectly soluble for house plants. It will not only make the plants grow, but will drive out all worms around the roots. A pound box is sufficient for 25 ordinary sized plants for one year. Pamphlet on the treatment of house plants, with directions for using the plant food. 1 lb. box, 25c; (by mail, 40c); dozen, \$2.50.  $\frac{3}{4}$  lb. box, by mail, 25c.

## GARDEN CITY SUPER-PHOSPHATE

Analysis:—Ammonia,  $\frac{2}{3}$  to  $\frac{3}{4}$  per cent.; Soluble Phosphoric Acid, 4 to  $\frac{4}{5}$  per cent.; Reverted Phosphoric Acid, 4 to  $\frac{4}{5}$  per cent.; Actual Potash, 0.54 to 1.08 per cent. Stands without a rival as the largest crop producer at the smallest outlay. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50; bag (200 lbs.) \$3.50; 3 bags, (600 lbs.) \$10.00.

## LAND PLASTER OR GYPSUM

Used by many potato and vine growers. Excellent to mix with Paris Green at rate of 100 pounds of Plaster to 1 pound of Paris Green. For the striped bug on melon and other vines to a bucket of Plaster add one tablespoonful of kerosene, cover close and apply next day. This will be found very effective and cheap. Per barrel of about 300 lbs., on cars, here, \$1.75; 5 barrels for \$8.00.

## CANADA HARDWOOD ASHES

Splendid as a lawn dressing. Should be applied late in fall or early in spring, so that the rains and snows may leach the ashes and carry the elements down to the roots of grass. Our ashes are screened and are in proper condition for immediate use. Apply at the rate of 75 pounds to 1000 square feet, 50 lbs., 75c; per bbl. of 200 lbs., \$1.75; ton \$15.00.

## SHEEP MANURE (Pulverized)

This is a pure natural manure and the most nutritious food for plants—one of the best manures to mix with soil for potting plants—one part manure to six parts soil. For vegetable garden, placed directly in hills or drills, it promotes a rapid, steady growth until maturity. As a lawn top-dressing it is unequalled. 5 lb. package, 25c; 10 lb., 40c; 50 lbs., \$1.25; 100 lbs., \$2.00.

## PURE GROUND BONE

Analysis:—Ammonia, 3 to 4 per cent.; Bone Phosphate, 40 to 50 per cent.; Phosphoric Acid, 18 to 22 per cent. Every bag guaranteed pure bone, and will act quicker than the Fine Raw Bone. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50; bag of 200 lbs., \$3.75; 3 bags for \$10.00.

## NITRATE OF SODA

For early vegetable crops, especially where leaf growth is desired, it will produce wonderful results. A gain of a week in time is often reported, and this means dollars in the pocket of the grower who uses Nitrate. Use at the rate of 200 pounds to the acre. As the market fluctuates the prices on Nitrate are liable to change without notice. 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.25; 200 lbs., \$8.00.

## POTATO GROWER

Analysis:—Ammonia, 3 to 4 per cent.; Available Phosphoric Acid, 7 to 9 per cent.; Sulphate Potash, 4 to 5 per cent. A thoroughly reliable stimulant for the potato crop. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50; bag of 200 lbs., \$3.75; 3 bags for \$10.00.

# INSECTICIDES

## FIR TREE OIL SOAP

A most excellent insecticide and soap for the leaves and stems of Palms and Rubber Plants, and for spraying all house plants; kills all insects. By express— $\frac{3}{4}$  lb. tin, 25c; (by mail, 30c.); 2 lbs., 75c; (by mail, \$1.00); 5 lbs., \$1.75; 10 lbs., \$3.25; 20 lbs., \$6.00.

## Insecticides—Continued

### PYRETHRUM

#### Persian Insect Powder or Buhach

Very destructive to all kinds of insects, such as roaches, ants, fleas and other insects on plants and animals. A very little will do the desired work. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c. By mail, 15c. per pound extra.

### WHALE OIL SOAP

Makes an excellent wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up. Lb., 25c; 2 lbs., 40c. If by mail add 16c per pound for postage.

### ANT DESTROYER

A non-poisonous powder which, when sprinkled around the haunts of ants, will destroy or drive them away from lawns, trees, plants, houses or other affected localities. Price,  $\frac{3}{4}$  lb. can, 25c; 1 lb. can 75c.

### SULPHUR

Price, 10c per lb.; 10 lbs., 60c; 25 lbs, or over at 5c per lb. by freight or express.

### BORDEAUX MIXTURE

Dry. An indispensable Fungicide, curing and preventing black rot, mildew, blight, rust, scab, and all fungoid diseases on fruits and plants. Price, lb., 15c; 5 lbs., 65c; 10 lbs., \$1.10; 50 lb. keg, \$5.50; 100 lb. keg, \$10.00.

### TOBACCO DUST

Very effective, being leaves, not ground stems. Much used on cabbage and in vegetable hot-houses. Lb., (by mail, postpaid), 30c. By express, 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$2.25.

### PARIS GREEN

$\frac{1}{4}$  lb., 15c;  $\frac{1}{2}$  lb., 20c; lb., 30c. By mail, postpaid, 15c per pound extra.

### ROSE LEAF EXTRACT OF TOBACCO

One of the most effectual articles for the destruction of all insects and scale on plants; a pure concentrated extract of tobacco diluted from 30 to 150 parts of water. Full instructions for the various methods of applying given in "Rose Leaf" pamphlet, mailed on application. Pint can, 30c; quart can, 50c; 1 gallon, \$1.50; 5 gallon can, \$5.00. Must go by freight or express at buyer's expense.

### WHITE HELLEBORE

Very effective for destroying rose slugs and currant worms.  $\frac{1}{4}$  lb., 10c; lb., 20c. By mail 35c.

### APHIS PUNK (NIKOTEEN)

Alphis Punk is a special preparation of nicotine for the extermination of green fly, thrip, etc., in greenhouses and conservatories. It is also used in killing caterpillars on shade and fruit trees. Full directions with each package. Takes the place of tobacco stems. By express, per package, 60c; (by mail, 70c); dozen packages, \$6.00.



### SLUG SHOT

#### A Non-Poisonous Insecticide

No danger need be apprehended by the person applying it, nor will it injure chickens or animals should they eat it unless in large quantities. Does not render vegetables or fruits, on which it is applied, unsafe to use; and yet it is probably the best insect destroyer ever offered for the destruction of potato bugs and all worms and insects. Ready to be applied, and is simply dusted lightly on, so that it reaches all parts of the plant. For further information send for pamphlet, "Fighting Insects in the Garden." Prices—Barrels, holding 235 lbs. net, 4c per pound; 100 lbs., \$4.25; 50 lbs., \$2.25; 10 lbs., 50c; 5 lbs., 35c. By mail, postpaid, lb., 30c;  $\frac{3}{4}$  lbs., \$1.00.

# AQUARIA SUPPLIES

**The Aquarium** A globe or aquarium, stocked with gold fish, shells, pebbles, rockery and plant is a very handsome ornament for sitting or dining room, library or private apartment. They are especially desirable in sick rooms, as the easy, graceful and noiseless motions of the fish divert the mind of the sick one in a helpful manner. They are also instructive and interesting to young and old, and should not be looked upon altogether as a luxury. The fish are quite intelligent, soon learn to take food from the fingers and make nice pets. They are just the thing for birthday, wedding and Christmas presents. Our sales for this purpose alone being very large. Gold fish have become quite inexpensive and require very little attention. Free printed instructions are supplied to customers. We ship at all seasons, to almost any distance, with safety, but do not advise shipping during the hottest season. We arrange with express companies for prompt delivery of fish, no matter when shipped. Express charges are paid by purchaser when shipment is received. When ordering give full address and nearest express office, if different from your post office.

## Globes for Gold Fish

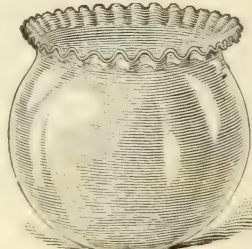
Write for special prices when a number of Globes are wanted



PLAIN TOP GLOBES.

*Plain Top Globes*--These are very neat, and cheap. We sell large quantities of them.

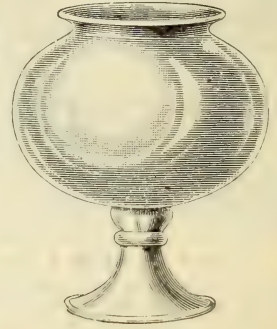
8 in. diameter, for 2 fish, . . . . .	\$ .40
9 " " for 2 fish, . . . . .	.60
10 " " for 3 or 4 fish, . . . . .	.75
11 " " for 4 or 5 fish, . . . . .	.85
12 " " for 5 or 6 fish, . . . . .	1.00
14 " " for 6 to 8 fish, . . . . .	2.00



FLUTED TOP GLOBE.

*Fluted Top Globes*--This globe is very handsome as it has a fluted or corrugated top or rim.

8 in. diameter, for 2 fish . . . . .	\$ .50
9 " " for 2 fish, . . . . .	.75
10 " " for 3 or 4 fish, . . . . .	1.00
12 " " for 5 or 6 fish, . . . . .	1.25
14 " " for 6 to 8 fish, . . . . .	2.00



STANDING GLOBE.

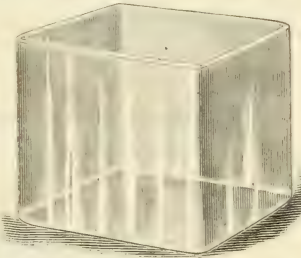
*Standing Globes*--Very handsome. They require a larger table than other styles.

½ gal., for 2 fish . . . . .	\$ .75
1 " for 2 fish, . . . . .	1.00
1½ " for 3 or 4 fish, . . . . .	1.25
2 " for 4 or 5 fish, . . . . .	1.50
3 " for 5 fish, . . . . .	2.00
4 " for 8 fish . . . . .	3.00

### OBLONG GLASS AQUARIA.

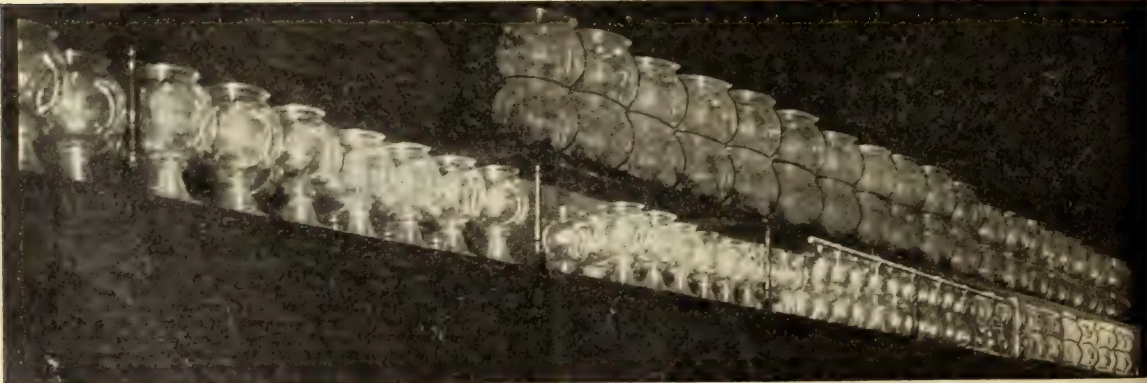
These are made of very heavy glass and are great beauties when fitted up.

No. 1 size, 7½ in. wide, 10 long, 9 deep, \$2.25
No. 2 size, 8½ in. wide, 11½ in. long, 10½ deep, \$3.00.



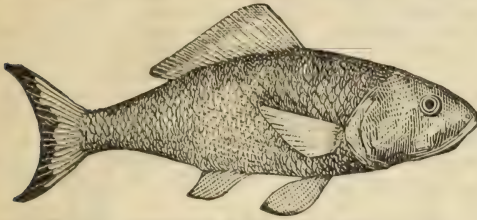
*Bell Globes*--These have straight sides, the top and bottom being of equal diameter. The large bottom space gives ample room for pebbles, shells and small rockeries; a very desirable globe.

No. 1, 10 inches in diameter, 7 inches high, . . . . .	\$1.00
No. 2, 12½ inches in diameter, 8 inches high, . . . . .	1.25
No. 3, 14½ " " " 8½ inches high, . . . . .	1.75
No. 4, 15 " " " 9 inches high, . . . . .	2.00



A section of 100 feet of shelving, in our retail room, containing hundreds of globes. Gives an idea of the extent of our business in this line.

# ORNAMENTAL FISH



COMMON GOLD FISH.

*Common Gold Fish.* These are, and no doubt, always will be, great favorites; because of their hardiness. A species of carp which originally inhabited the sluggish streams or ponds in China, and therefore just suited to confinement in globes and aquaria. Of beautiful golden shades, varying from "old gold" to "orange red." Our acclimated, American-raised gold fish will be found much superior in every way to the cheap imported stock which are usually unhealthy and do not live. Prices—15c, 25c, 35c and 50c each, depending on size. The 25c (5 for \$1.00) size is most popular.

*Spotted Fish.* These are the same as Gold Fish, but with red and black markings. They are very odd and attractive. Prices—15c, 25c, 35c and 50c each.

*Pearl Fish.* These are, as their name indicates, of a beautiful pearl shade, sometimes almost transparent, or having small gold markings. Prices—15c, 25c and 35c each.

*Silver Fish.* This is an off-colored Gold Fish of silvery appearance. They are very beautiful when held in a proper light. Prices—10c, 15c and 25c each.

*Japanese Fan Tail Fish.* These are considered the most popular of any of the fancy varieties. The fins and tail are long and of fine texture. The body is short. The tail is 'V'-shape and sometimes divided at the top so that they really have two tails. They run through all shades from pure golden red, pearly white to almost black. Prices—35c, 50c and 75c each.

*Gorgeous Tailed Fish.* Also known as "Long Tailed Beauties," Comet Fish, etc., etc. Extremely graceful in their movements. The tail is sometimes as long as the body, so that in turning, head and tail almost meet. Prices—25c, 35c and 50c each.

*Japanese Fringed Tail Fish.* The most beautiful of all aquaria fish. They have very long fringed and drooping tails with all shades and markings peculiar to other sorts. Prices—\$1.00, \$1.25 and \$1.50 each.

## SHIPPING BUCKETS.

These are necessary where no globe is ordered. Three quart bucket, for 6 fish or less, each, 15c; 4 quart 20c; 6 quart, 25c.

## AQUARIUM ORNAMENTS.

These are very desirable for use in an Aquarium or Globe. The openings are large enough to permit the fish to swim through them, and they seem to delight in doing so. They add a finished appearance to the outfit as well.

**Plain Rock Ornament.** This is used for small sized globes. Each, 15c., two for 25c.

**Plain Grotto Ornament.** This style is sold more than any other, and can be used in all sizes of globes. It is a beauty.

- 3 inches high, each..... 20c.
- 4 " " ..... 25c.
- 6 " " ..... 35c.

**Plain Arch Ornament.** Another very good kind. The width and height are proportionate.

- 6 1/2 inches high, each..... 25c.
- 8 1/2 " " ..... 35c.

**Pebbles.** For bottom of Aquaria. They add much to appearance and keep water clear by collecting the sediment and filth, preventing the fish from continually stirring it up. Pint package, 10c.

**Small Shells.** Indispensable to the complete outfit. Very beautiful. Pint package, 20c.

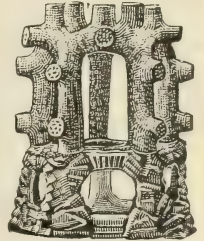
**Fish Food.** Prepared especially for fish kept in Aquarium. Should be fed to the exclusion of everything else. No risk in feeding our Fish Food. It lasts a long time, hence very cheap. Price per box, 15c., two boxes, 25c., postpaid. At store, box, 10c., three boxes, 25c.



PLAIN ARCH.



PLAIN ROCK.



PLAIN GROTTO

Printed Instructions for Care of Gold Fish Free to Customers.

## Bargains in Aquarium.

### \$1.50 OUTFIT

- 1 10-inch plain top Globe, with chain..... 90c.
- 2 Elegant Gold Fish, both different ..... 35c.
- 1 Ornament, rustic, beautiful ..... 25c.
- 1 Box Food, best to feed ..... 10c.
- One package Pebbles and Shells ..... 15c.

25c Book of Instructions Free.

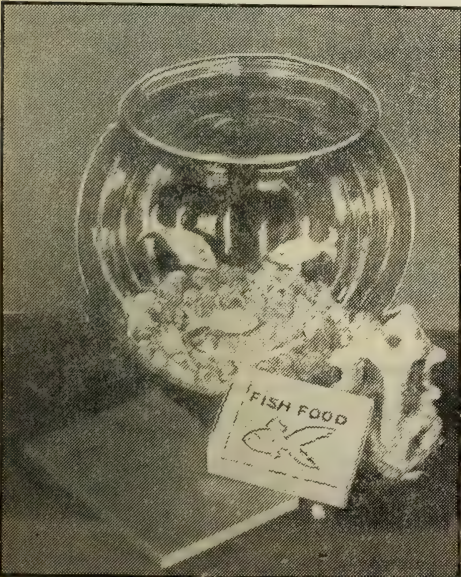
**ALL FOR \$1 50**

### \$1.00 OUTFIT

- 1 9-inch plain top Globe..... 60c.
- 1 Pair beautiful Gold Fish..... 30c.
- 1 package Pebbles ..... 10c.
- 1 " Shells ..... 10c.
- 1 box Fish Food ..... 10c.

25c Book of Instructions Free.

**ALL FOR \$1.00**



**Our \$1.00 Outfit.**

Remember, all prices for Fish, Aquariums and Ornaments are store prices, and purchasers must pay express charges when shipped. NOTE—We do not ship above goods C. O. D. Cash must accompany order.

# Canary Birds, Cages, Foods



The demands on our Bird and Seed Departments are increasing year by year, as we bestow as much care here as in any other department. It will be found fully up to our "True Blue" standard. We are sure to give you satisfaction, whether you buy birds or seeds. Anticipating a very large trade this season we have made preparation for it, and hope to fill orders promptly the day received. For the holiday trade, however, we advise placing orders as early as possible, giving date when wanted. Our Hartz Mountain Canaries will begin to arrive about September 1st, and we will have them until after Easter. St. Andreasberg Canaries arrive about October 1st. When ordering a canary please state whether you wish a yellow or a dark mixed bird, otherwise we will use our judgment. We always select you a first-class singer, as we have a man in charge who thoroughly understands birds. We can ship safely by express. All birds shipped by express at buyer's expense.

## Imported German Canary Birds. Also Known as the "Hartz Mountain" Canaries.

These birds are not like our common American Canaries, but are taught soft musical sounds, and a variety of notes in their songs. The Germans are experts in producing fine singers, having made a business of it for several hundred years. They come from the Hartz Mountains district, hence the name applied to them. Our first shipment arrives about September 1st. Price—Males, \$2.50; females, \$1.50.

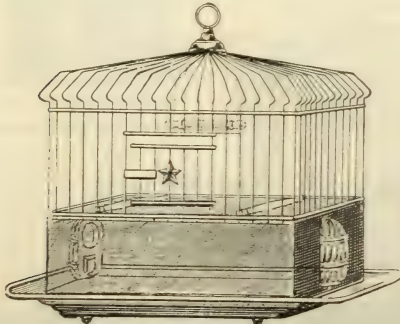
### READ WHAT A CHICAGO MAN SAYS OF A BIRD HE PURCHASED OF US:

"The IMPORTED GERMAN CANARY BIRD, secured from your house, is the finest singer in the United States. Has more sense than all the birds in Chicago. Is a perfect pet, and will sing at any time by asking him to do so. Not only a daylight singer, but sings as long as the gas is lighted."

**ST. ANDREASBERGS** This is the name of a strain of canaries coming from a small town by that name away up in the Hartz mountains, where they receive months of careful training in that clear, ringing atmosphere, by using the very best singing canaries the world produces, before they are offered for sale. We have had birds that would make eight changes during one song. Their water, flute and bell notes are exquisite in their clearness, and are unapproached by any other of the feathered songsters. Our first shipment arrives about October 1st. Price—No. 1 Birds, \$5.00. No. 2 Birds, \$4.00. Females, \$2.50.

## CANARY CAGES (Brass).

We do not know of a better brass cage than we offer here. As shown in the illustration, they are supplied with a wire Brass Guard Cloth, which is firmly fastened to the wires, to prevent the birds from throwing shells of seed or gravel beyond the bottoms. The door is placed high up so that there are no open spaces in the cloth, and the Shell Cups cover, perfectly, the openings for them in each end. The bird, however, may readily be seen through the wire cloth. These cages are well made and thoroughly reliable in every respect.



Brass Canary Cage Showing Guard.

No. 2470	cage with guard, 9 by 6 inches	.....	\$1 40
No. 2471	" " " 9½ by 6½ "	.....	1 50
No. 2472	" " " 10½ by 6½ "	.....	1 75
No. 2473	" " " 10½ by 7½ "	.....	2 00
No. 2474	" " " 11½ by 8½ "	.....	2 25

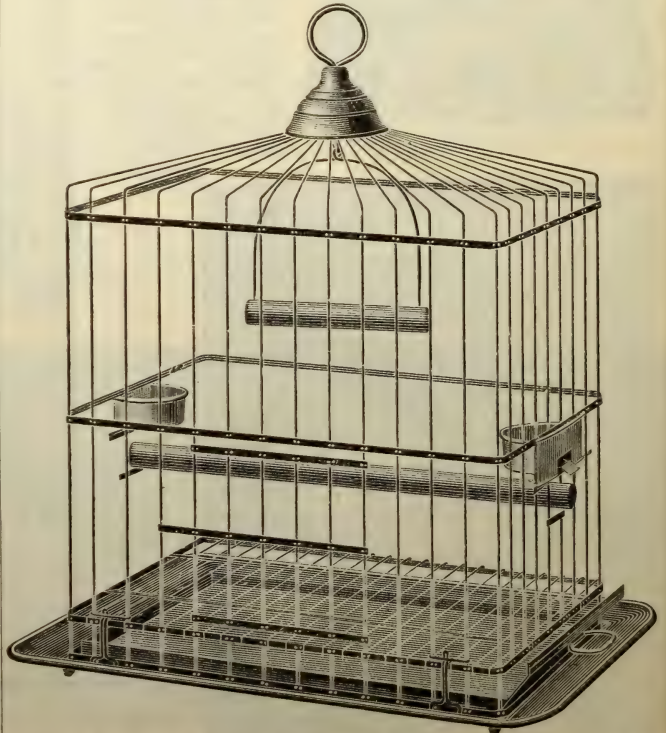
The following list of cage have drawers in the bottom for the removal of seed shells gravel etc., in addition to the Guard Cloth, making them a perfect cage.

No. 2471D	cage with guard and drawer	.....	\$1 75
No. 2472D	" " " " "	.....	2 00
No. 2473D	" " " " "	.....	2 25
No. 2474D	" " " " "	.....	2 50

Prices on all cages are by express not paid. No charge for packing. When ordering a cage, include some of our bird seeds or foods. The express charges will be no greater and you will get double value in our superior, recleaned, strictly high grade foods.

## PARROT CAGES. (Metal)

Our Parrot Cages are made of Brass Rails and No. 12 tinned upright wires, the latter being riveted to the solid cross rails, making an indestructable cage. They are supplied with immovable, deep metal drawers, to which gratings are attached. These prevent the bird from getting his feet or plumage soiled. The drawer, with grating, can be removed without detaching the body from the base of cage. The feed cups, while readily detached from the outside of the cage, yet are perfectly secure, and when removed leave only a small opening. The doors have new fastenings.



No. 95, 14	by 10¼ inches, 15 inches high	.....	\$2 50
No. 100, 16½	by 11¼ inches, 23 inches high	.....	3 50
No. 105 17¼	by 14 inches, 25 inches high	.....	4 50

**BIRD SEEDS, FEED, MEDICINES.**

**Livingston's German Mixed Seed.** Mixed from fresh seed. Don't feed your pet canary "package" bird seed which is, nine times out of ten, mouldy or foul smelling, but send direct to us and get our high grade, re-milled seed. Each package bears our trade mark. Per lb., by mail, postpaid, 18c.; by express, not paid, per lb.; 10c.; 3 lbs. for 25c.; 13 lbs., \$1.00.

**Parrot Seed** (our mixture) per lb., 10c, postpaid, 18c.  
**Sunflower Seed.** Used very largely for feeding parrots, red birds and large, seed-eating birds. Pound, 18c, postpaid; by express lb., 10c, 3 lbs. 25c., 10 lbs. 75c

**Cuttle Bone.** Small size, 3c.; large, postpaid, 5c.  
**Parrot Food.** Is a preparation made of spices, dried fruit, etc., and when mixed with the soft food of a parrot daily will keep it in brilliant plumage and good health. Per box, 15c.; or postpaid, 25c.



**Mocking Bird Food.** A superior prepared food for all soft billed birds, such as mocking birds, black birds, thrushes, robins, nightingales, etc. Per bottle (cannot be mailed) 30c.

**Bird Manna.** Restores the song of cage birds, prevents sickness, and restores to health when sick. If fed during moulting season it frequently prevents the loss of voice common to that critical period. The birds are very fond of it. No trouble to feed. Each 15c., postpaid.

**Song Restorer.** A splendid preparation to use when for any reason the bird loses his voice. Each 10c. postpaid.

**Egg Food.** A restorative for weak and sickly birds, and if given to healthy birds once a week it keeps them in full song. Per bottle, 25c.. Cannot be mailed.

**Bird Gravel.** This is very necessary in furnishing grit to all kinds of birds, and helps in keeping the feet clean. We have both the red and silver gravel. Pint pkg, 5c.; qt. pkg. 10c. Too heavy to send by mail.

**Gravel Paper.** This is for bottom of cages. Prevents scattering of seeds. Comes in two sizes; No. 1, 7 x 9 inches, and No. 2, 7 1/2 x 10 inches. Price, per box 1 doz. sheets, 18c., postpaid; by express, 10c.

**Bird Tonic, Grave's.** This Tonic we have sold for almost 20 years. It always gives satisfaction. A cure for colds, asthma and catarrhal diseases of birds. Per bottle, 15c. Cannot be mailed.

**Bird Bitters.** A most excellent tonic to use when your bird is out of condition or during the moulting season. Put a few drops in the drinking water daily. Per bottle, 25c. Cannot be mailed.

**Mite Exterminator.** Perfectly harmless to the bird, but sure death to lice and mites. Easily applied. Per box, 25c., postpaid.

**BIRD CAGE FIXTURES.**

**Feed Cups.** Several kinds, glass or opal, each 8c., or two for 15c.

**Bath Dishes.** Opal, two sizes, each, 10c.

**Spring Brackets.** Brass, combines a bracket and spring, each, 15c.



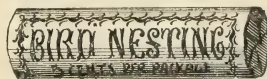
**Cage Springs.** Single brass, each, 10c.

**Cage Springs.** Double brass. These prevent cages from swinging around. Pretty, strong, elastic. A perfect cage spring. Each, 15c., or postpaid, 20c.



**Cuttle Bone Holder.** Very convenient and useful. Holds bone firmly. Each 2c, dozen, 15 cents, postpaid.

**Double Spring.** For breeding cages. They fit into the nest boards of our breeding cages. Each, 10c.



**Bird Nesting.** Made of deer's hair, for birds to use in nesting. Per pkg., 5c., postpaid



**\$7.00 BIRD FOOD BARGAIN.**

**BIRD AND CAGE BARGAIN.**

Full Value \$5.25 for only \$4.25.

Think of this as a present to a little girl, a young lady, or to any lady who is a lover of pets.

- 1 Imported German Canary, fine singer..... \$2 50
- 1 Brass Cage, with seed guard and drawer, No. 2472D, 2 00
- 1 lb. Our German Mixed Seed, full weight..... 10
- 1 qt. Bird Gravel, for bottom of cage..... 10
- 1 Bird Manna, cures and prevents disease..... 15
- 1 large Cuttle Fish Bone..... 03
- 1 Cuttle Fish Bone Holder..... 02
- 1 Bird Cage Spring (brass)..... 10

We will send the above outfit worth \$5.00 for only \$4.25, and will also give each purchaser a copy of our 150 page book, "Pets of the Household," price 25c., free to those who ask. This offer only good for a short time.

**BIRD FOOD BARGAIN.**

Full Value \$1.50 for only \$1.00.

To get you started and advertise our high grade bird foods and seed, we make this close offer for a short time.

- 6 lbs. Our German Mixed Seed, full weight..... \$0 50
- 2 qts. Bird Gravel, pure and clean..... 20
- 2 Bird Manna, prevents disease..... 30
- 1 bottle Bird Tonic, cures colds..... 15
- 3 large Cuttle Bones..... 8
- 1 Cuttle Fish Bone Holder..... 2

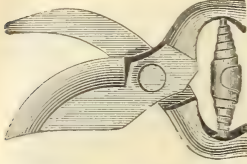
Amounting to \$1.25, for \$1.00, and in addition we give a copy of our new book, 150 pages, "Pets of the Household," price 25c., free to those who ask for it.

The above BARGAIN OUTFITS are sent by express, purchaser paying charges when received. If any changes are desired in above bargains. Let us know and will tell you the cost.

At the Prices given Tools, etc., must go by Freight or Express, at buyer's expense, unless otherwise noted.

**PRUNING AND BUDDING KNIVES.**

Budding—No. 2179.....By mail, 85c By express, 80c  
Pruning—No. 2269.....By mail, 85c. By express, 80c



**PRUNING SHEARS**

The best made. Very strong. Best steel blades and an excellent spring. Two sizes. Price, 60c and 90c.

**PRUNING SAW.**

Double edge. 16 inch, 60c; 18 inch, 70c; 20 inch, 80c.

Pruning Saw and Chisel—Combined ..... \$1.00

**WATERS' TREE PRUNER.**

Easy to operate. You hook it on a limb, pull the lever and it does the rest.

4 foot .....	\$ 75
6 foot .....	85
8 foot .....	1 00
10 foot .....	1 15
12 foot .....	1 25



**LABELS.**

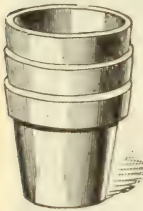
PAINTED POT LABELS.

Best label made. Put up in packages of 1000 each.

3 inch.....per 1000,	\$ 45
3 1/2 inch.....per 1000,	53
4 inch.....per 1000,	50
4 1/2 inch.....per 1000,	67
5 inch.....per 1000,	80
6 inch.....per 1000,	1 00
8 inch.....per 1000,	2 50
10 inch.....per 1000,	3 50

**FLOWER POTS—Standard Size.**

Beautiful red Pots having strong rims that prevent breaking when in use or nested. If \$1.00 worth or more are ordered at one time, we pack free of charge.



	DOZ.	100	1000
1 1/2 inch.....	\$ 10	\$ 45	\$ 3 50
2 inch.....	10	50	4 00
2 1/2 inch.....	15	55	4 50
3 inch.....	25	70	6 00
3 1/2 inch.....	30	90	8 00
4 inch.....	35	1 00	9 00
4 1/2 inch.....	45	1 75	15 00
5 inch.....	60	2 50	20 00
6 inch.....	75	3 50	
7 inch.....	1 00	4 50	
8 inch.....	1 25	8 00	
9 inch.....	25	11 00	
10 inch, each,	60	25 00	

**HOT BED SASH.**

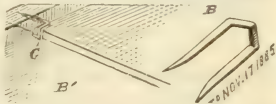
Best Cypress.—3-13 feet by 6 feet, unglazed, for 8x10 glass, each, \$1.00; dozen, \$11.50. Special sizes to order. Glass for Sash. Write for prices.

**THERMOMETERS.**

Hot-bed or Mushroom, 75c. Greenhouse, 25. Incubator, 75c. Thermometers cannot be mailed.

**Van Reyper's Perfect Glazier Points.**

These are made of steel wire and galvanized, having double points and lap over the glass in such a manner as to positively keep it from sliding. They may be used on either side of the sash bar, thus preventing the annoyance of rights and lefts. Per box—1000—60c; or postpaid, 75c. Lots of 5000 or over, 35c. per box.



PINCERS FOR DRIVING. Each 60c., or postpaid 75c.

**BELLOWS.**

For dusting plants with sulphur or like material. Two sizes; each, \$1.00 and \$1.25.

**RAFFIA.**

Imported Best Grade. Gives better satisfaction than anything else for tying Plants, Asparagus Bunches, etc. Light, neat, strong, durable and very cheap. Pound, 25c; 10 pounds at 20c.

**GLASS CUTTERS.**

Diamond—Best value for the price ..... \$3 00  
Little Red Devil—The best cheap cutter on the market. For all around usefulness we prefer it to a diamond. Each, 20c; 4 for 70; doz., \$2.00.

**SPRINKLING CANS.**

Made of Galvanized Iron, thoroughly soldered and braced. A very strong can. Has removable rose. Each, 3 qt., 35c; 4 qt., 45c; 6 qt., 50c.

**GRASS AND SHEEP SHEARS.**

Have steel handles, easy to work and rapid. They are well made and cheap. Our price only 35c, postpaid. By exp. 25c.

**LANC'S WEEDER.**

Used More than Any Other.



Each 20c.; dozen, \$2 25.

**EXCELSIOR WEEDER.**

Very useful for weeding seed beds, stirring soil in hot-beds, cold-frames, etc. Postpaid, 15c; by express, 10c.

**The New Christy Garden Weeder.**

This All-steel Weeder has the famous Scalloped Cutting Edge of the Christy Knife, and will be found a No. 1 tool. Price, 25c, postpaid. By express, not paid, 20c. With a smooth edge at same price.

**HAZELTINE'S HAND WEEDER.**

Postpaid, 25 cents.

By express, 20 cents.



**Hand Dibble.**

All iron. Handle hollow. Made to last. Postpaid, 50c; by express, 35c., 3 for \$1.00.

**GRASS HOOKS.**

Each. 30 cents. Sent by express only.

**GARDEN TROWELS.**



SOLID STEEL—(See cut) Made of one solid piece of best steel. No rivets to

give way. Best trowel made. 6-inch, 40c. 7-inch, 45c. Postpaid, 5c. extra.

CAST STEEL—6 inch. 10c. Postage 5c.



CLEVES' ANGLE TROWEL

Five inch, 20c; postpaid, 25c. Large size, 30c; postpaid, 40c  
Garden Lines—100 feet Braided Linen, 40c; Cotton, 25c.

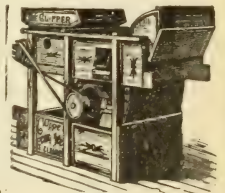
**BROADCAST SEED SOWER.**

Little Giant—Best made, for sowing Clover, Timothy, etc. No. 1, (Fiddle Bow), \$1.50; No. 3, (Crank), \$1.75.

**Clipper Grain and Seed Cleaner.**

We have used and sold the Clipper almost constantly for 15 years, and pronounce it the best, strongest and most economical mill made, and yet sells at the same price of any ordinary mill. No. 1, for general use, has 8 sieves (7 zinc), cleans all kinds of Grain and Seed. Price, \$20.00

Price for larger sizes and Special Purpose Clippers on application.



**"Out o' Sight" Mole Trap**

One of the best Mole Traps ever offered, and only has to be tried to be appreciated. Can be used in hot-bed under sash. Full directions with each Trap. By mail, \$1.25; express, \$1.00.

"Out O' Sight" Mouse Trap—10c; postpaid, 25c.

"Out O' Sight" Rat Trap—20c; postpaid, 25c.

**Dean's Mole Trap.**

Easily adjusted, and never fails to get the mole when properly placed. \$1.25.

**Hale's Mole Trap.**

The well-known standard Trap. Price, \$2.00.

We are using the above Traps to our entire satisfaction.



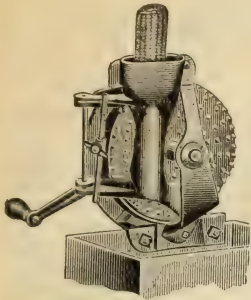
"Out o' Sight" Mole Trap.



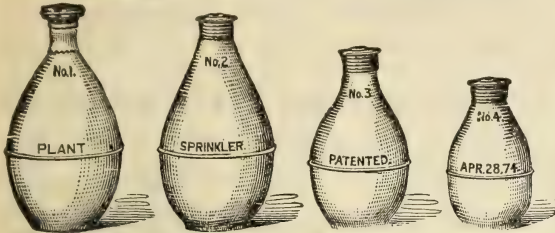
## THE COLUMBUS CORN SHELLER.

Any one with a little practice can shell a bushel of corn in five minutes. A well made machine, not easy to get out of order. The price is made very low to place it within reach of everyone. We know of no Sheller, at the price, we would rather have. It is just the thing for poultry breeders.

Price, each, \$1.00.



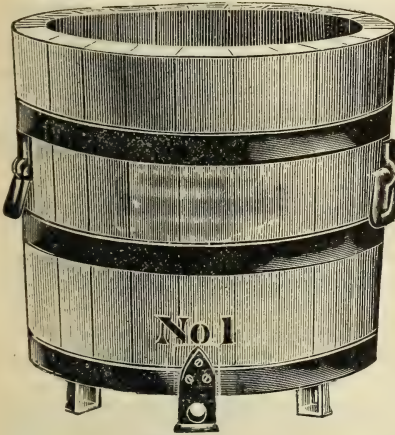
## SPRINKLERS.



**Angle Rubber Sprinker**—By means of this new device liquid can be applied to the underface of the leaves. Price, each, 90c., postpaid.

**Rubber Sprinklers**—No. 1, each, by mail, 90c. No. 2, 80c. No. 3, 70c. No. 4, 60c. If Sprinklers are wanted by express deduct 10c. from price of each.

**Putty Bulb**—The best appliance for distributing putty. It has been used by a large number of leading florists, who have proven its merits. Each, 80c.; by mail, postpaid, 90c.

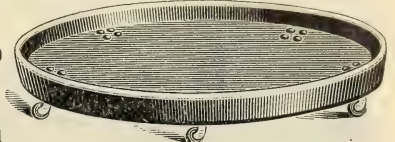


## ROLLING STANDS

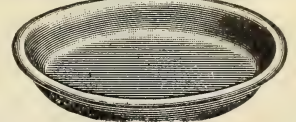
For Heavy Plants.

Made of unbreakable fibre, mounted on ball bearing castors for holding, turning or moving heavy plants, and preventing injury to carpets from drip or dampness.

13 inch diameter—3	Castors.....\$ 75
18 inch diameter—4	Castors.....1 00
20 inch diameter—5	Castors.....1 25
22 inch diameter—6	Castors.....1 50



ROLLING STAND.



FIBRE SAUCER.

### Water Proof Fibre Saucers.

Not porous, therefore do not absorb moisture and spoil woodwork, tables, etc., on which plants stand. Not breakable. Color, beautiful, rich terra cotta brown.

Each.	Each.	Each
4 inch..... 6c	8 inch..... 8c	12 inch.....12c
5 inch..... 7c	9 inch..... 9c	13 inch.....16c
6 inch..... 7c	10 inch.....10c	14 inch.....18c
7 inch..... 8c	11 inch.....11c	

## PLANT TUBS.

Made especially for large Palms, Rubber and other heavy plants. Painted green; made of cypress; has iron hoops and strong handles. Will last longer than any other tub on the market. Furnished in following sizes:

No.	Deep.	Diam.	Each.	Doz.
No. 1—10 inches,	12 inches.....		\$ 60	\$ 6 75
No. 2—12 inches,	12 inches.....		90	10 00
No. 3—14 inches,	14 inches.....		1 20	13 00
No. 4—16 inches,	18 inches.....		2 00	.....
No. 5—18 inches,	22 inches.....		3 00	.....
No. 6—22 inches,	23 inches.....		4 00	.....

## LIVINGSTON'S POTTING SOILS.

"TRUE BLUE" BRAND.

Good Potting Soil is an absolute necessity in growing plants successfully, and ordinarily it is difficult to obtain. Since we use large quantities at our greenhouses, of the very best quality, we have been led to offer it in our catalogues, by the many calls we are having for it, believing, when once the grand results from its use are known we shall have a large trade on it. We can supply in any quantity desired. Small lots from our store and wagon loads from the greenhouse. We deliver peck quantities or more to our city trade or to freight depots for outside orders free of additional charge. Our True Blue Brand is just right for almost all house plants. Its use insures success, as it supplies everything a plant needs except water and sunshine. Try it on some of your plants when potting up for winter. You will be surprised at the results obtained.

- True Blue Brand, ..... Price, peck, 25c; bu., 60c
- Good Garden Loam..... Price, peck, 20c; bu., 50c
- Pure Clean Sand..... Price, peck, 20c; bu., 50c
- Decayed Sod. Very fibrous. .... Price, peck, 20c; bu., 50c
- Cow Manure. Much decomposed.. Price, peck, 25c; bu., 60c

Ask for special prices in large quantities for replenishing flower beds, etc.



### REPOTTING PLANTS.

We are prepared to repot plants of all kinds especially large Specimen Palms, Ferns, Rubber Plants, etc., etc., at moderate cost. We call for and deliver plants promptly. Both Phones No. 999. Please call us. Do you have plants that do not seem to thrive, look sick, etc? Let us fix them up for you. Our experience tells us what they need. We also take pleasure in advising as to their care and treatment if desired.

### FERN DISHES.

We have had great success in filling these with choice assortments or will do so to suit customers as ordered.

# POULTRY SUPPLIES.

SEND FOR COMPLETE  
PRICE LIST

## MICA-CRYSTAL GRIT.

Mica-Crystal Grit is made from rock of peculiar formation, composed partly of quartz, and partly of mica, thus forming what is termed a flaky rock, which, when subjected to pressure, will scale or flake, in the gizzard, thus constantly re-sharpening themselves until they are entirely used up. It is absolutely necessary to the health of fowls that grit be supplied at all times; and this is especially true where they are confined or when snow is on the ground. We supply it in two sizes, for chicks or grown fowls, at the same range of prices. Bags (100 lbs.) 75c; 50 lbs., 50c; 25 lbs., 35c; 15 lbs., 25c; 500 lbs., \$3.50; by express or freight. *Special prices for larger quantities on request.*

## CRUSHED OYSTER SHELLS.

The most frequent cause of hens not laying is the absence in the food of carbonate of lime. As crushed oyster shell is practically pure carbonate of lime, it supplies, when fed to poultry, this most essential element, and greatly aids in the formation of the egg. Their use prevents cholera, keeps poultry healthy, and prevents soft shell eggs. Keep a trough full of it always before your fowls and let them help themselves. Price—Bags, (100 lbs.) 75c; 50 lbs., 50c; 25 lbs., 35c; 15 lbs., 25c; 500 lbs for \$3.25; by express or freight.

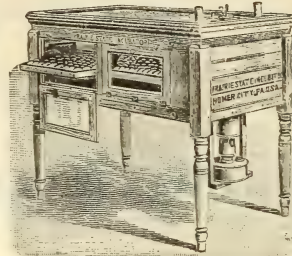
*Special prices for larger quantities on request.*

**COARSE GROUND BONE**—About the size of wheat or cracked corn, and should be kept within access of poultry. 25 lbs., \$1.00; 100 lbs., \$2.50; 200 lbs., \$4.75.



## RUST'S EGG PRODUCER

greatly increases egg production and makes poultry keeping the most profitable of rural pursuits. Keeps fowls healthy and shortens moulting. It pays well to feed it right along. Try this! Prices: 1 lb. box, 25c. if by mail, 45c; 2 1/2 lb. box, 50c. if by mail, \$1.00; 6 lb. box, \$1.00; 10 lb. box, \$1.50; 25 lb. keg, \$3.50. The last three sizes must be sent by express or freight and are the cheapest to use.



## Prairie State Incubators.

All metal parts are of brass and galvanized iron, and thoroughly well made throughout. As good as any for the price, and much better than many. Large descriptive price list sent on application.

Baby No. 1—50 egg size .....	\$6 00
Baby No. 2—100 egg size .....	10 00
No. 3B—300 egg size .....	25 00

PRAIRE STATE INCUBATOR.

Egg Tester free with Incubator.

## STYLE D PRAIRIE STATE BROODER

This Brooder has been upon the market for several years, and has given good satisfaction.

Style D Brooder, No. 1—capacity, 80 chicks..... \$7 00  
Style D Brooder, No. 2—capacity, 100 to 125 chicks..... 9 00

## RUST'S HAVEN'S CLIMAX CONDITION POWDER

Is much more than a condition powder. It is the only known cure for *Fowl-Cholera* and *Gapes*; it is just what every owner of poultry needs to save his fowls and keep them healthy. It is invaluable to raisers of Turkeys. And it has saved many Hogs, Horses and Cows. Prices—13 oz. box, 25c.; 32 oz. box, 50c.; 5 lb. box, \$1.00. If to be sent by mail add one cent per ounce to pay postage.

*Rust's Havens' Roup Pills* for Roup, Catarrh, Colds, Pigeon diseases, etc. *They do cure.* Box of 48 pills, 25c. Mailed on receipt of price.

*Lambert's Death to Lice*—Sure death to chicken lice. Price —15 oz. box, 25c. If sent by mail add one cent per ounce to pay postage.

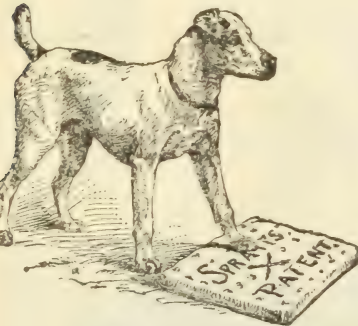
*Lee's Lice Killer*—The best liquid lice killer on the market. You simply paint the roosts or side of the house and it kills all mites and lice. Qt. can, 35c; 2 qt. can, 60c; 4 qt. can, \$1.00.

## DOG REMEDIES, CAKES, SOAPS.

Do you keep a dog? Do you care anything for him? You'd be "mad in a minute" if some one should kick him, wouldn't you? Then why not take care of him? The following requisites will help you. Pamphlet on Dog Diseases, Symptoms and Cure sent free on request. Remedies marked \* can only be sent by express at expense of purchaser. We do not send remedies prepaid except as quoted.

### GLOVER'S DOG REMEDIES.

- \* *Glover's Mange Cure*—A remedy for all skin diseases. Bottle, 50c.
- \* *Glover's Distemper Cure*—Safe and reliable. Bottle, \$1.00.
- \* *Glover's Vermifuge*—For worms in dogs. Bottle, 50c.
- \* *Glover's Canker Wash*—For ear canker. Bottle, 50c
- \* *Glover's Eye Lotion*—Bottle, 50c.
- \* *Glover's Blood Purifier*—Very quick in its action. Bottle, 50c.
- \* *Glover's Liver Pills*—Act upon the liver. Box, postpaid, 50c.
- \* *Glover's Diarrhoea Cure*—For all bowel complaints. Bottle, 50c.
- \* *Glover's Cure for Fits*—Stops fits in a few minutes. Bottle, 50c.
- \* *Glover's Tonic*—For debility. Bottle, 50c.
- \* *Glover's Liniment*—For Rheumatism, Sprains, Bruises, Bottle, 50c.
- \* *Buchan's Liquid Dog Wash*—Sure death to fleas. Keeps the dog clean. Pound Can, 50c.



"WHO SAID RATS."

*Polk Miller's Italian Insect Powder*—Warranted to kill all species of insects. Bottles, 10c, 25c and 50c.

### SERGEANT'S DOG REMEDIES.

*Sergeant's Condition Pills*—For distemper and fever. Small box, 50c.; large box, \$1.00, postpaid.

\* *Sergeant's Sure Shot*—For worms. A vermifuge. Bottle, 50c.

*Sergeant's Constipation Cure*—Per box 25c., postpaid.

### DOG BISCUIT OR CAKES.

*Spratt's Patent Dog Cakes*—These celebrated cakes are now being supplied to all leading kennels, and used at the principal Dog Shows of the world. One of the most successful and wholesome dog foods made. Will keep anywhere indefinitely. Always ready. 3 lbs., 25c; 5 lbs., 40c; 10 lbs., 80c; 25 lbs., \$1.90; 100 lbs., \$7.

*Spratt's Puppy Cake*—For use while teething. 3 lbs., 25c.

*Sergeant's Arsenic and Iron Pills*—For the blood. Box, 50c., postpaid.

\* *Sergeant's Mange Cure*—Jar, 50c.

\* *Sergeant's Canker Wash*—Bottle, 50c.

*Sergeant's Rheumatic Pills*—Per box, 50c., postpaid

### DOG SOAPS.

*Glover's Kennel and Stable Soap*—Especially recommended for keeping the skin and coat in a healthy condition. Cake, 25c; by mail, 30c.

*Sergeant's Soft Carbolic Soap*—For skin diseases. Box, 25c.  
*Clayton's Dog Soap*—Will not injure the most delicate skin. 20c.

# BOOKS=Of Interest to Gardeners.

## Forcing Book, The

By Prof. L. H. Bailey. In this work the author has compiled in handy form the cream of all the available information on the subject of forcing vegetables under glass. In addition to this, the experience of many practical growers in different localities is furnished. \$1.00

## Horticulturist's Rule Book

L. H. Bailey. It contains, in handy and concise form, a great number of rules and recipes required by gardeners, fruit growers, truckers, florists, farmers, etc. Illustrated. Cloth ..... 75

## The Pruning Book

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