

275

INDEXED

Autumn
1928

New Tulip
AMBROSIA
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**BULBS
SEEDS
SHRUBS
AND
TREES**

PORTER-WALTON Co.

Seed and Nursery Specialists
SALT LAKE CITY, UTAH

Bulbs Easy to Grow

Success Is Sure With P-W's Selected Stock

For Outside Planting

The Time to Plant: First of all the fact should be emphasized that the **Autumn Months** and not **Spring** is the proper time to plant Hyacinths, Tulips, Narcissus, Daffodils, Crocus and other spring flowering bulbs and hardy perennial plants. Most of the varieties described in this list are ready for delivery the latter part of September or early October and should be planted as soon as convenient after that time, but surely before the ground freezes. "Lily of the Valley" and some of the Hardy Lillies are not ready until November or December; should there be danger of the ground freezing before that time, cover the space to be planted with leaves or straw and the bulbs can then be planted at your convenience after arrival.

Kind of Soil: Any good, moderately rich, well drained soil is suitable for most bulbs; avoid heavy and boggy soils as poor drainage is fatal. In a stiff clay formation, supply a small quantity of sand or coal ashes at the base of each bulb and enrich soil with bone meal, "Plant Life" or very well rotted manure, but do not use fresh stable manure under any conditions.

Proper Depth. Depends upon the size of the bulbs. A good rule is to place each bulb from one and one-half times to twice its own thickness below the surface of the ground. In districts of extremely cold temperature it is advisable to mulch the beds with leaves or straw during the severe weather, but care should be taken to remove the covering upon the approach of spring. In Salt Lake and equally mild climates no such protection is necessary.

Distance Apart varies with the variety from 2 to 3 inches for Crocus to 12 to 18 inches for Lillies. The proper space is indicated under the respective headings in this list. See also diagram above.

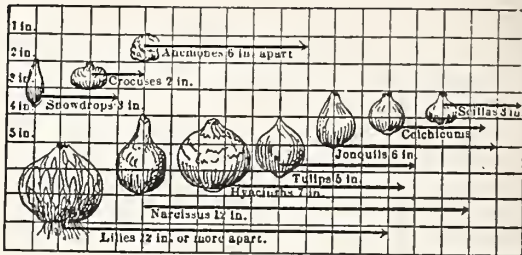
In Bloom All Winter

A trifling outlay in money plus a little fascinating fun. Many do not realize how easy and inexpensive it really is to have a continuous succession of bloom in the living room during the entire winter. The culture is so simple that with the right kind of bulbs anyone can be successful.

Planting Table for Bulbs

This table shows the number of bulbs required to fill a circular bed of the dimensions given. A square bed will take about the same number of bulbs. When bulbs are to be planted 6 inches apart, plant 3 inches from edge of bed; when 12 inches apart, 6 inches from the edge. Bulbs may be set closer in the outer rows and given more space in the body of bed.

Diameter of Bed	6 in. apart		Diameter of Bed	12 in. apart	
	6 in. apart	12 in. apart		6 in. apart	12 in. apart
3 feet	28	12	10 feet	320	80
4 feet	48	20	11 feet	380	95
5 feet	80	32	12 feet	452	113
6 feet	112	48	13 feet	528	132
7 feet	152	72	14 feet	612	153
8 feet	200	100	15 feet	704	176
9 feet	256	144	16 feet	804	200



The above diagram indicates the proper depth and distance apart for respective bulbs when planted outside.

How To Do It

When the bulbs arrive in the fall place them directly into the pots or containers in which you wish them to bloom, using for this purpose a light loamy rich soil; setting them from two to four inches apart and just deep enough to cover the top of the bulb. Do not make the mistake of filling the pot or container too full so as not to allow margin for watering. After planting, water thoroughly and put them away in some cool, dark room, for at least six weeks before bringing any of them to the living room. The only attention necessary when in the dark is to see that they are kept moist. You can regulate the time of blooming and secure a continuous succession by bringing them to the living room at regular intervals during the winter. Be sure to keep them well watered after bringing them to the light and heat.

Instead of putting the planted bulbs in a dark, cool room in the inside many prefer to dig a trench in some corner of the garden, covering pots and all about six inches deep, being careful to provide a thin layer of ashes at bottom to prevent earth worms. By raking a few leaves over the top to prevent the ground from freezing, the pots can be lifted anytime desired during the winter and brought into bloom in the living room in a very short time.

Water Culture: Large size Hyacinths, Chinese Lillies, Paper White and Soleil D'or Narcissus can be easily grown in water in glasses and bowls. By successive planting continuous bloom from November till March can be had. It's mighty interesting to watch their development.

CAUTION—Don't plant bulbs in new pots without first soaking the pots a few days in water.

Flower Pots

BOTH STANDARD AND BULB MOLDS

Size	Each	Per Doz.	Per 100
2-inch	\$.05	\$ 0.45	\$ 2.50
3-inch	.06	.50	3.50
4-inch	.07	.60	4.50
5-inch	.10	.95	7.00
6-inch	.15	1.30	9.00
7-inch	.25	2.10	15.00
8-inch	.35	3.50	25.00
10-inch	.60	6.00	45.00
12-inch	1.25	12.00

If saucers are desired add 70% extra to above prices.

Danger of breakage too great for Parcel Post shipment.

Prepared Bulb Fibre

Is especially prepared for growing bulbs that are planted in water-tight bowls; it will not sour and will be found most convenient for customers with no facilities for growing bulbs in pans where drainage is necessary. Lb., 25c.; 5 lbs., \$1.00, Postpaid. Not prepaid, 10 lbs. \$1.50.

BULB FERTILIZERS (See Page 22)



We carry a large assortment of Bulb Bowls, embracing most every desirable size, type, design and color. Prices range from 40c to \$2.00 each.

GIANT DARWIN TULIPS

For the Herbaceous Border, Massed in Clumps Along the Edge of Shrubbery, or as Cut-Flowers for Vases, These are Conceded to be the Superior of All the Tulips

Darwins are very valuable for planting in beds where their wonderful flowers with such a wealth of color can be displayed to advantage. They are just as charming, too, and perhaps as valuable for permanent planting in shrubberies and borders. They will continue to bloom for years. They are much more adaptable to warmer climatic conditions than the Early Tulips. We advise our customers in the Southern States and California to choose Darwins when selecting Tulips.

Plant 6 to 7 inches apart, 4 to 5 inches deep in heavy and 6 inches deep in light soils. The number immediately following the name is the average height in inches.

Afterglow—26. Deep rosy orange with salmon tinted edge. Splendid novelty. 10c.; \$1.00 doz.; \$7.00 per 100.

Anton Mauve—26. Enormous flower, deep bluish lilac. 10c ea.; \$1.00 doz.; \$7.00 per 100.

Baron De La Tonnaye—26. Vivid pink, tall strong stems. 5c ea.; 45c doz.; \$3.00 per 100.

Bien Aimable—25. A beautiful rich lavender blue. 7c ea.; 65c doz.; \$4.75 per 100.

Hartigon—28. Fiery red, one of the best forcing varieties. 5c ea.; 45c doz.; \$3.00 per 100.

Centenaire—30. Rich rose carmine pink. 5c ea.; 50c doz.; \$3.50 per 100.

Clara Butt—22. An exquisite shade of soft salmon pink, shaded rose. 5c ea.; 45c doz.; \$3.00 per 100.

Dream—24. Large cup-shaped flowers of heliotrope with silvery lilac margin; blue base. 6c ea.; 55c doz.; \$4.00 per 100.

Edmee—25. Cherry rose margined silvery pink. 6c ea.; 55c doz.; \$4.25 per 100.

Europe—22. Splendid fiery salmon scarlet; flowers large and erect. 5c ea.; 45c doz.; \$3.00 per 100.

Faust—30. A very large deep violet purple. 9c ea.; 90c doz.; \$6.25 per 100.

Flamingo—28. Delicate shell-pink, elegant pointed flower. 7c ea.; 65c doz.; \$4.50 per 100.

Frans Hal—25. New bluish violet, good forcer. 10c ea.; 95c doz.; \$6.75 per 100.

Glow—22. Glowing vermillion. 5c ea.; 45c doz.; \$3.00 per 100.

Inglescombe—24. Large globular canary yellow. 5c ea.; 45c doz.; \$3.00 per 100.

Isis—26. Vermillion. The popular red for bedding. 6c ea.; 60c doz.; \$4.25 per 100.

King George V.—26. Brilliant rosy scarlet; extra-large flower. One of the finest novelties. 18c ea.; \$1.75 doz.; \$12.00 per 100.

La Fiancee—30. Rosy shaded mauve, edged light pink, blue base extra. 10c ea.; \$1.00 doz.; \$7.00 per 100.

La Tulipe Noire—25. An extreme maroon black, velvety sheen in the sunlight, very large. 7c ea.; 70c doz.; \$5.00 per 100.

Loveliness—21. Soft rosy carmine. 6c ea.; 55c doz.; \$3.65 per 100.

Mattin—Deep carmine rose, blue center. 7c ea.; 65c doz.; \$4.50 per 100.

DARWIN TULIP BULBS are very cheap this year, far below normal prices and perhaps much lower than we can expect in the future. Now is the chance to fill up every "nook and cranny" with these wonderful flowers at little cost.



King George V

P.-W.'s Superb Prize Mixture Darwin Tulips. The wonderful interest in these splendid Tulips has brought out a great many varieties too numerous for listing, except those considered the best. In addition to some of the varieties listed above, our mixture contains an equal proportion of many others. Brilliant effects may be obtained by the planting of this mixture of choice named sorts. 60c per doz.; \$4 per 100, \$35 per 1,000.

Mrs. Farncomb Sanders—26. Brilliant dark rose-red. 5c ea.; 45c doz.; \$3.00 per 100.

Mrs. Krelage—28. Rose pink, tinted lilac, large flower. 5c ea.; 50c doz.; \$3.50 per 100.

Mrs. Potter Palmer—24. Deep purple, medium size, fine form. 6c ea.; 55c doz.; \$4.00 per 100.

Melicette—24. Best pure lavender. 7c ea.; 70c doz.; \$5.00 per 100.

Onida—30. Very tall bright scarlet, wonderful bedder. 6c ea.; 55c doz.; \$3.75 per 100.

Petrus Hondius—28. Bright carmine rose. 7c ea.; 65c doz.; \$4.50 per 100.

Philippe de Commines—24. Velvety dark violet. 6c ea.; 55c doz.; \$4.00 per 100.

President Taft—26. Best dark scarlet red. Extra large. 10c ea.; \$1.00 doz.; \$7.50 per 100.

Pride of Haarlem—26. Crimson carmine. 5c ea.; 45c doz.; \$3.00 per 100.

Prince of the Netherlands—31. A giant flowered sort of deep cerise-rose edged pink. 6c ea.; 55c doz.; \$4.00 per 100.

Princess Elizabeth—26. Perfectly formed large rich deep pink. 5c ea.; 50c doz.; \$3.50 per 100.

Professor Rauvenhoff—28. Bright cherry red shaded salmon. 7c ea.; 65c doz.; \$4.50 per 100.

Psyche—26. Soft salmon rose. 6c ea.; 55c doz.; \$3.75 per 100.

Queen Mary—27. Soft rose, lighter bordered. 9c ea.; 90c doz.; \$6.25 per 100.

Rev. H. Ewbank—20. Silvery lavender shading towards the center bluish heliotrope. 5c ea.; 50c doz.; \$3.25 per 100.

Scarlet Beauty—22. Fiery scarlet. 7c ea.; 65c doz.; \$4.75 per 100.

Sophrosyne—29. Rosy blush tinted lilac. 6c ea.; 55c doz.; \$3.75 per 100.

White Queen—20. Large beautiful white. 6c ea.; 55c doz.; \$3.75 per 100.

Wm. Copeland—25. Sweet lavender, good early forcer. 6c ea.; 55c doz.; \$3.75 per 100.

Yolande—28. Grand novelty, an exquisite soft salmon pink. Shaded rose. Identical in coloring with Clara Butte, but stem is longer and flower much larger and finer in every way. 23c ea.; 2.25 doz.; \$16.00 per 100.

Good Mixed—Dozen 35c.; 100 for \$2.50.

Bunch-Flowered Tulips

A new type producing many flowers on a stem; very unusual and handsome.

Monsieur Motte—The color of this Tulip is Ivory-white, and instead of producing one flower on a stem as other Tulips do, it carries from four to six blossoms, which are in bloom all at the same time, on a stem about 18 inches tall. The result is a unique cut flower and also an excellent garden variety. We would like to see it included in every garden collection. 13c ea.; \$1.25 doz., \$9.00 per 100.

BREEDER TULIPS (May-Flowering)

Breeder Tulips are very similar in habit to the Darwins, and flower at the same time. Their chief characteristic is their immense blooms, borne on strong, stiff stems, many of them longer than the most gigantic Darwins. The revival of the taste for art colors has made these Tulips, at one time very popular in England, strong favorites with American enthusiasts. Truly they possess Nature's happiest combinations of purple and bronze, grey and lilac, yellow and gold, brown and orange and other distinctive colorings. Flowers are very large, of perfect form, and borne on tall, strong stems. Plant same as Darwins.

Abdel-Kader—27. Deep bronze, paler edged, 13c ea.; \$1.25 doz.; \$9.00 per 100.

Ilacens—30. Deep plume-purple, darker on outer petals, 10c ea.; \$1.00 doz.; \$7.00 per 100.

Bronze Queen—28. Buff, tinged apricot. 6c ea.; 55c doz.; \$3.50 per 100.

Copernicus—27. Dark coppery bronze, shaded old rose. 10c ea.; \$1.00 doz.; \$7.50 per 100.

Don Pedro—21. A unique shade of coffee-brown shaded maroon inside rich mahogany, large flower. 14c ea.; \$1.35 doz.; \$9.75 per 100.

Feu Ardent—Brick red, shaded mahogany. 15c ea.; \$1.50 doz.; \$10.50 per 100.

Godet Parfait—30. Deep purple violet, mammoth flower. 12c ea.; \$1.20 doz.; \$8.50 per 100.

Golden Bronze—28. Old gold outside, deep golden bronze inside. 8c ea.; 75c doz.; \$5.25 per 100.

Jaune d'Oenf—21. Orange tinted apricot. 8c ea.; 80c doz.; \$5.75 per 100.

Klopstock—24. Heliotrope with white base, delicate shade. 10c ea.; \$1.00 doz.; \$7.50 per 100.

Lord Curzon—28. (La Singuliere). Silvery white margined and striped cherry crimson. 15c ea.; \$1.50 doz.; \$10.50 per 100.

Louis XIV—30. Enormous flower, extra globular, rich deep purple. Heavily flushed with golden bronze. Very attractive. 12c ea.; \$1.15 doz.; \$8.50 per 100.

Lucifer—28. Mammoth flower of brilliant terra cotta orange. 20c ea.; \$2.00 doz.; \$15.00 per 100.

Medea—26. Salmon carmine yellow center, huge flower. 7c ea.; 70c doz.; \$5.00 per 100.

Panorama—(Fairy) 20 in. Deep orange-red shaded mahogany, very fine. 7c ea.; 65c doz.; \$4.50 per 100.



Louis XIV Breeder Tulip

New class of beautiful and very decorative tulips, a cross between the Darwin and Retroflexa Cottage Tulip. The flowers have the grace and shape of a Lily as indicated by the name. Same culture as Darwin Tulips.

Adonis—20. Vivid rosy red, long flowers; 10c ea.; \$1.00 doz.; \$7.00 per 100.

Alaska—28. Pure golden yellow, slightly reflexed, long petals. 30c ea.; \$3.00 doz.; \$22.00 per 100.

Eclipse—22. Orange yellow tinted rose. 17c ea.; \$1.70 doz.; \$12.00 per 100.

Retroflexa—20. Soft yellow elegantly curved petals. 7c ea.; 70c doz.; \$5.00 per 100.

Sirene—26. Rich cerise pink. 7c ea.; 70c doz.; \$5.00 per 100.

Rembrant Tulips

This class of Tulips are really Darwins but are delicate tints and hues with flames or stripes of distinctive coloring; usually are of the more darker shades, forming very striking combinations. **All Varieties and Colors**—7c ea.; 70c doz.; \$4.75 per 100, postpaid.

COTTAGE TULIPS (May-Flowering)

This class is now very popular for bedding, naturalizing and especially for cutting, bearing their large brilliant flowers on long strong stems and lasting a long time when cut. They bloom from the middle of May until after the beginning of June according to weather conditions. Same culture as Darwin Tulips. Postpaid.

Aegir—20 in. Large orange and cerise, very attractive. 14c ea.; \$1.40 doz.; \$10.00 per 100.

Amber—20. Terra-cotta shaded amber, base yellow with blue. 10c ea.; \$1.00 doz.; \$7.00 per 100.

Ambrosia—22. Very large; inside salmon orange, outside shaded lilac rose. 20c ea.; \$2.00 doz.; \$14.00 per 100.

Argo—20. Round flower on strong stem, yellow mottled red and passing off to reddish brown. Delicate bronze salmon when forced. 16c ea.; \$1.60 doz.; \$11.00 per 100.

Avis Kennicott—25. A rich, deep shade of yellow, with a striking black base and anthers. 12c ea.; \$1.20 doz.; \$9.00 per 100.

Bouton d'Or (Ida, Golden Beauty)—20. Excellent golden yellow flowers. 6c ea.; 60c doz.; \$3.75 per 100.

Fairy Queen—20. Soft rosy lilac and amber. 6c ea.; 60c doz.; \$3.75 per 100.

Gesneriana Major—24. Dazzling crimson scarlet with violet black center. 5c ea.; 45c doz.; \$3.00 per 100.

Gesneriana Lutea—24. (The yellow Gesneriana). Color rich yellow, flowers very large. 6c ea.; 60c doz.; \$3.75 per 100.

Grenadier—21. Beautiful orange, large flower. 7c ea.; 70c doz.; \$4.75 per 100.

Idyl—22. Vivid rose, inside shaded salmon; pure yellow base with blue edges. 7c ea.; 70c doz.; \$4.75 per 100.

Inglescombe Pink—22. (Salmon Queen). A rare blending of buff and salmon, fine color. 5c ea.; 50c doz.; \$3.50 per 100.

Isabella—Creamy white shaded salmon rose. 5c ea.; 50c doz.; \$3.50 per 100.

Jno. Ruskin—18. Apricot rose, mauve shading, pale yellow edge. 6c ea.; 60c doz.; \$4.00 per 100.

Marvel—25. Inside old gold, outside salmon rose, edged yellow. 16c ea.; \$1.60 doz.; \$11.00 per 100.

Mrs. Moon—25. Large golden yellow, petals reflexed sweet scented. 8c ea.; 75c doz.; \$5.50 per 100.

Neetar—20. Fiery crimson with pure white base, slightly reflexed petals. 11c ea.; \$1.10 doz.; \$7.75 per 100.

Orange King—23. Beautiful deep orange, shaded rose, inside deep orange-scarlet with a yellow center. 5c ea.; 50c doz.; \$3.50 per 100.

Picotte—20. (Maiden's Blush)—White margined rose pink. 5c ea.; 50c doz.; \$3.50 per 100.

Pride of Inglescombe—25. Bordered carmine rose, long pointed flower. 13c ea.; \$1.30 doz.; \$10.00 per 100.

Triton—20. Dazzling carmine, base pure yellow with light blue edge. 9c ea.; 85c doz.; \$6.00 per 100.

Vesta—28. Long stemmed, purest white, black filaments—Good forcer. 13c ea.; \$1.25 doz.; \$9.00 per 100.

P.-W.'s Best Mixed Cottage Tulips. 50c doz.; \$3.50 per 100.

Good Mix'd. 35c doz.; \$2.50 per 100.

Special Collections of Giant Darwin Cottage and Breeder Tulips

Our Selection Embracing the Cream of the Tulip Family

(P)—1 each of 25 choice named varieties for... 2.00

(Q)—2 each of 25 choice named varieties for... 2.75

(R)—4 each of 25 choice named varieties for... 5.00

(S)—10 each of 25 choice named varieties for... 11.00

(T)—5 each of 10 choice named varieties for... 2.00

(U)—10 each of 10 choice named varieties for... 3.75

(V)—20 each of 10 choice named varieties for... 6.00

Charges Postpaid

PARROT TULIPS

Parrot Tulips do not receive the attention they deserve. They belong to the late or May-flowering class and have immense, attractive flowers of singular and picturesque forms and brilliant and varied colors. The petals are curiously fringed or cut, and the form of the flower, especially before it opens, resembles the neck of a parrot. They form extravagantly showy beds, are especially desirable for cut-flowers, and should be grown in every flower-garden.

Plant in light, sandy soil, 3 inches deep, 6 inches apart, sunny location.

Fantasy.—A glorious Parrot Tulip with a straight, strong stem. It is a sport from the Darwin Tulip, Clara Butt, with exactly the same beautiful color but the quaintly artistic shape of a Parrot Tulip. It is an enormous flower of a soft salmon-pink with delicate pale green blotch in center of each petal. Tall and stately, 23 in., 85c each; 3 bulbs for \$2.45; \$9.00 doz.

Parrot Tulips in Beautiful Mixture
—6c ea.; 60c doz.; \$4.00 per 100.

Admirable of Constantinople. Fine red.

Cafe Brun. Brown and yellow striped.

Lutea Major. Yellow; fine; free-blooming.

Markgraaf van Haden. True, Orange, striped scarlet; extra fine.

Price any of above, 6c ea.; 60c doz.; \$4.00 per 100.



New Parrot Tulip Fantasy

Special Bulb Collection Offers

To induce those who have never planted our bulbs to give them at least a trial this year, the following "Collections" are offered at prices we believe to be irresistible in making up these collections, our standard of quality will be maintained, but in pricing, profits have been forgotten.

OUTDOOR COLLECTION A

6 P.-W.'s Hyacinths, mixed.
6 Double Tulips, assorted.
6 Giant Darwin Tulips, mixed.
6 Poet's Narcissus.
6 Spanish Iris.
Retail Value of Above, \$2.75.
All for \$2.00 Postpaid.

INDOOR COLLECTION B

1 White Calla Lily.
6 Freesias.
6 Giant White Narcissus.
6 Single Early Tulips, assorted.
6 Dutch Roman Hyacinths.
2 Double Daffodils.
3 Exhibition Hyacinths.
Retail Value of Above, \$3.50.
All for \$2.75 Postpaid.

OUTDOOR COLLECTION C

(For Memorial Day Blooming)

50 Mammoth Darwin Tulips, mxd.
25 Poet Narcissus.
25 May Flowering Tulips, asst.
Retail Value, \$4.25; All for \$3.75 Postpaid.

OUTDOOR COLLECTION D

50 Assorted Early Tulips.
(For Early Spring Blooming)
25 Assorted Dutch Hyacinths.
50 Crocus Assorted.
Retail Value, \$6.75; All for \$5.50 Postpaid.

WATER CULTURE COLLECTION E

3 Assorted Exhibition Hyacinths.
4 Giant White Narcissus.
3 Chinese Lilies.
Retail Value, \$1.95; All for \$1.50 Postpaid.

NATURALIZING COLLECTION F

25 Trumpet Narcissus.
25 Double Daffodils.
50 Crocus.
50 Poet's Narcissus.
50 Darwin Tulips, asst.
50 Cottage and Breeder Tulips, asst.
Retail Value, \$13.00; All for \$11.50 Postpaid.

P-W's Collection of Novel and Rare Giant May-Flowering Tulips

Selected from the Darwin, Breeder, Cottage and Lily Flowered Groups Described on Preceding Pages.

The list below includes some of the most highly perfected Giants in the race of Tulips.

In Holland, among the growers, the new creations have been the subject of intense speculation during the last few years, each grower vying with the other for the possession of the few available bulbs, in order to gain the honor of introducing them to the world.

The stocks of bulbs is now large enough to permit of sale, and we have been fortunate to obtain a quantity of these beautiful Tulips. We offer them to our patrons with our recommendation, certain that they will win the prizes at the Tulip exhibition and offer the richest flowers for the home, as well as a wealth of display in the garden.

Abbreviations—Breeders "B," Darwin "D," Cottage "C," Lily Flowered "L. F." Page reference "P" for more complete descriptions.

Height, class, page reference for details, as well as predominating colors are all indicated in list below—however word descriptions are inadequate, these wonderful Tulips must be seen in life to be appreciated.

Abdel-Kader—27. (B., p.

4.) Bronze.

Aegir—22. (C., p. 4.)

Cerise.

Afterglow—26. (D., p. 4.)

Orange Salmon.

Alaska—28. (L. F., p. 4.)

Golden Yellow.

Ambrosia—22. (L. F., p. 4.)

Lilac Rose.

Anton Mauve—26. (D., p.

3.) Deep Lilac.

Argo—20. (C., p. 4.) Yellow

and Brown.

Collection Offer "J"—One bulb

each of above 20 varieties (Retail value \$2.83) for \$2.25.

Collection Offer "K"—5 bulbs

each of above 20 varieties (Retail value \$14.15) for \$10.75.

Collection Offer "M"—10 bulbs

each of above 20 varieties (Retail value \$28.30) for \$20.00.

Avis Kennicott—25. (C., p.

1.) Deep Yellow, black base.

Idyl—24. (C., p. 4.) Rose.

King George V—26. (D.,

p. 3.) Rosy scarlet.

LaFiancee—30. (D., p. 3.)

Rosy Mauve.

Louis XIV—30. (B., p. 4.)

Purple and Bronze.

Lucifer—28. (B., p. 4.) Ter-

ra Cotta Orange.

Marvel—25. (C., p. 4.) Sal-

mon.

Nectar—26. (C., p. 4.) Crim-

son.

President Taft—24. (D.,

p. 3.) Scarlet.

Queen Mary—32. (D., p. 3.)

Rose.

Triton—20. (C., p. 4.)

Yellow edged Blue.

Vesta—22. (C., p. 4.)

White, Black filaments.

Yolande—28. (D., p. 3.)

Salmon plnk, shaded rose.



President Taft

We Guarantee all our Bulbs Delivered in Good Condition and to Bloom to Your Entire Satisfaction. Let us prove our Claim that—"They're the pick of the Holland Crop."

DOUBLE EARLY TULIPS

Double Tulips are chiefly grown for their showy effects in masses, and are very lasting. Where a display of color is desired they are very satisfactory. Excellent for growing in pots or pans, but should not be forced into bloom very early.

The following list contains tested novelties, as well as worth-while standard sorts.

Double Early are much more lasting in flower than the single early varieties.

The letter A, B, or C, following the name of a variety, refers to its time of blooming, when planted outdoors—A being the earliest, and those marked B coming into full bloom before those marked A have gone, and those marked C a few days later than the B class. The figures indicate the approximate height when grown outdoors. This will be found useful in selecting varieties for bedding.

	Each	Doz.	Per 100
Azalea —B-12. Beautiful deep rose, flushed salmon.....	\$.09	\$.85	\$6.25
Boule De Neige —B-12 in. Pure white, large peony like flower....	.08	.80	5.50
*Couronne d'Or —(Crown of Gold), B-12 in. Yellow, shaded orange.09	.85	6.00
*Golden Murillo —(Mr. Van der Hoef). The richest golden yellow tulip, very fine.....	.09	.90	6.50
*Lord Roseberry —B-10 in. Deep pink.....	.08	.80	5.50
*Mu-Rillo —B-10 in. Rose and white, large, full double.....	.05	.50	3.50
*Rubra Maxima —B-10 in. Finest deep red.....	.06	.60	5.25
*Toursoll —B-12 in. Bright red with yellow margin.....	.09	.85	6.25
*Vuurbaak —B-10 in. Brilliant scarlet, very large flower.....	.08	.80	6.00
William The Third —B-10 in. Bright red.....	.08	.80	5.75
All Colors Mixed —Early Varieties.....	.05	.55	4.00

Varieties marked (*) are good for indoor culture.



Kaiser Kroon Tulips



Beds of Single And Double Early Tulips
Plant them by the hundreds

Our Tulip Bulbs are all top size and are not to be compared with the small undeveloped cheap grades that are offered at so-called bargain prices.

Prices include postage.

SINGLE EARLY TULIPS

The Early-flowering Tulips are desirable from a standpoint of earliness and brilliant coloring. They do not grow as tall as the May-flowering varieties but bloom almost a month earlier, namely, during April when most other plants show hardly a leaf and the landscape still bears the unmistakable signs of the winter just past. Their culture is exactly the same as that of the May-flowering Tulips, but they may be planted as close as 4 inches apart instead of 6 inches, which we recommend for the May-flowering sorts. Their coloring is very varied, mostly of the very brilliant and gay shades of yellow, orange, and scarlet, brilliant pink and rose, glistening white.

They are most effective when planted in solid beds of one to several different colors.

	Each	Doz.	Per 100
Helle Alliance —B-10 in. Brilliant scarlet, yellow base.....	\$.08	\$.75	\$5.50
*Chryselora —B-10 in. Pure golden yellow.....	.08	.75	5.50
Cottage Maid —A-9 in. White bordered pink to carmine rose.....	.08	.75	5.50
*Craniose Brilliant —C-12 in. Sparkling red, very large.....	.05	.50	3.25
*Dutchess De Parma —C-15 in. Orange scarlet with yellow edge.....	.08	.75	5.50
*Kaiser Kroon —C-15 in. Crimson scarlet, with broad yellow margin.....	.10	1.00	7.25
*Lady Boreel —(White Joost Van Vondel) B-10 in. Finest white.....	.08	.75	5.50
*Lattice Maximus —B-12 in. Improved, light pink.....	.06	.60	4.50
Prince Of Austria —B-14 in. Brilliant orange scarlet, clear yellow base.....	.07	.70	4.75
*Prosperine —B-10 in. Silky rich satiny carmine-rose.....	.09	.90	6.50
*Queen of The Netherlands —B-15 in. Large, delicate pink.....	.07	.70	5.00
Rose Luisante —B-10 in. Fine deep rose.....	.08	.80	5.75
Wouwerman —B-10 in. Fine, large deep violet.....	.09	.90	6.50
White Hawk —B-10 in. Fine large white.....	.07	.65	4.75
All Colors Mixed —Single Early Varieties.....	.05	.50	3.50

DUTCH HYACINTHS

The Hyacinth is possibly the most useful and popular hardy bulb flower. It delights millions of flower lovers throughout the world with its matchless beauty and fragrance. It may be grown in pots, glasses or in water, and in the garden.

We consider the Single Hyacinths more valuable than the Double. They are better for forcing, more vigorous in growth and produce stronger spikes of bloom, of better substance and are more beautiful.

Garden Culture: Bulbs may be planted from the end of September until very severe weather sets in. The beds should be raised a few inches above the surrounding ground, to prevent lodgments of water, which causes bulbs to rot. Bulbs should be set 6 to 8 inches apart and 6 to 8 inches deep. If the soil is dry at planting time it should be watered and kept moist while the weather permits.

Hyacinths in Pots. Get rich, light soil or Bulb Fibre. If soil, provide drainage. Break off any offsets which appear at the base of the bulbs, and, in potting, place each bulb so that its top shall be half an inch below the surface of the soil, and about an inch below the rim of the pot.

P-W's Extra Selected First Size Hyacinths

(Especially adapted for pot and Glass Culture, having been hand-picked for size and quality from first-sized bulbs.)

- | | |
|---|--|
| City of Haarlem —
Pure yellow | L'Innocence —Pure white |
| Gertrude —Deep pink | Marie —Dark violet-blue |
| Grand Maitre —
Dark lavender-blue | Queen of the Blues —
Fine light-blue |
| King of Blues —Deep blue | Roi Des Belges —
Bright red. |
| Lady Derby —Light pink | Sir Wm. Mansfield —Pur-
ple |
| La Victorie —
Brilliant scarlet | Yellow Hammer —
Large yellow |

Price: Any of the above, 30c each; \$2.75 per dozen; \$20.00 per 100, postpaid.

Extra Large Top Root "Mother Bulbs" of the above varieties. Each 35c; \$3.25 per doz.; \$25.00 per 100.



Single Dutch Hyacinth

P-W's Second Size Hyacinth Bulbs

These bulbs are splendid for forcing, Pot Culture and Outdoor Beds.

We offer precisely the same varieties as listed under "Extra Selected First Size"; the only difference being in size of bulbs.

Price: 23c each; \$2.25 per dozen; \$17.50 per 100, postpaid.

P-W's Superb Bedding Hyacinths

This mixture is made up out of high-grade sorts, and can be depended on to produce fine results, for outdoor planting. We do not recommend this size for indoor culture.

Single Named Sorts—Pure White, Rose, Light Blue, Yellow, Red, Dark Blue, Purple, Selected Mixed.

Price: Any of the above, 19c each; 4 for 65c; \$1.35 per dozen; 25 for \$3.50; 100 for \$13.50, postpaid.

"Pan" or "Dutch Roman" Hyacinths

These are of the small bulb variety of Dutch Hyacinths that produce good spikes of flowers eminently adapting themselves for winter flowering in the house with the most satisfactory results. Ten or twelve bulbs are placed in an earthen pan 3 or 3 inches across; several of these pans can be filled and put away to root in the usual manner, as described on page 2, bringing them to the light at intervals, where the display can be enjoyed for weeks. If potted in October, they can be depended upon to bloom as early as the latter part of January. They are equally valuable for outdoor planting.

- | | |
|--|---------------------------------------|
| Gertrude —Deep Pink | Roi Des Belges —Red |
| Grand Maitre —
Lavender-Blue | Schoel —Light Blue |
| L'Innocence —White | Sir Wm. Mansfield —Pur-
ple |
| Marie —Deep Blue | Yellow Hammer —Yellow |

Any of the above, 13c each; 4, for 45c; \$1.25 per dozen; \$8.50 per 100, postpaid.

Special Hyacinth Collections

OUR SELECTION

- (G)— 6 named varieties, 1st size, 3 bulbs of each **\$3.75**
- (H)— 6 named varieties, 1st size, 2 bulbs of each **2.50**
- (I)— 25 each P-W's Superb and Dutch Romans, Assorted Colors. Total 50 bulbs..... **5.50**

The Above Collections Are All Postpaid.



A Pot of Single Hyacinths

NARCISSI or DAFFODILS

There are no hardier bulbous plants that have more points of merit than the Narcissus or Daffodil. They are perfectly hardy, growing well in almost any climate or condition, sun or shade, moist or dry. All locations seem to suit them, although they have a preference for good, deep soil, and a partly shaded position. Any vacant piece of ground in the garden, among the trees or grass, etc., could not be used to better advantage.

They are equally desirable for pot culture for winter flowering; three or four bulbs can be put in a five or six-inch pot and, with the same treatment as given to the hyacinths the whole winter and early spring months can be made bright with their exquisite gold and silver blooms. It is outdoors, however, that Narcissus do the best, and once planted, they need no further attention, the clump multiplying and giving better results each year, and from an original planting of a few hundred bulbs, in two or three years can be cut thousands of flowers.

Note—In describing Narcissus reference is made to the "perianth" and "trumpet." The latter is the long center, funnel-shaped tube, and the perianth is the out row of petals or wings.

Top bulbs should be planted four inches below the surface and 6 to 12 inches apart.

Large Trumpet Narcissus

Empress—Perianth white, trumpet rich yellow. Selected bulbs, 15c ea.; \$1.45 doz.; \$10.00 per 100.

Mother Bulbs—22c ea.; \$2.25 doz.; \$16.00 per 100.

Emperor—Yellow trumpet, perianth deep primrose. Selected bulbs, 16c ea.; \$1.55 doz.; \$11.00 per 100.

Mother Bulbs—23c ea.; \$2.35 doz.; \$16.25 per 100.

Van Waveren's Giant—Largest in cultivation; perianth primrose, trumpet bright yellow. Mother Bulbs, 40c ea.; \$4.00 doz.; \$30.00 per 100.

Selected Bulbs—25c ea.; \$2.50 doz.; \$18.00 per 100.

Victoria—Perianth white, trumpet pure yellow. Selected bulbs 15c ea.; \$1.45 doz.; \$10.00 per 100.

Mother bulbs 22c ea.; \$2.25 doz.; \$16.00 per 100.

King Alfred. This wonderfully beautiful Daffodil is considered the largest and finest deep golden yellow Trumpet variety. A tall, strong grower, with magnificent frilled trumpet and large perianth, all of a uniform rich golden-yellow of splendid heavy texture, lasting well. Mother bulbs 38c ea.; \$3.75 doz.; \$25.00 per 100.

Selected bulbs 25c ea.; \$2.50 doz.; \$20.00 per 100.

Spring Glory—Clear white perianth with long petals of splendid form, long trumpet of deep yellow, well reflexing at the brim. A very rigorous grower and one of the best of the newer Daffodils for pot culture. 28c ea.; \$2.75 doz.; \$17.00 per 100.

Double Von Sion—Too well known to need description, grand old golden double yellow Daffodil. Extra selected bulbs, 13c ea.; \$1.30 doz.; \$9.50 per 100. Mother bulbs, 20c ea.; \$2.00 doz.; \$15.00 per 100.

Sulphur Phoenix (Uncomparabilis)—Large double creamy white with deeper center, very chaste and beautiful. 13c ea.; \$1.25 doz.; \$8.75 per 100.

Poet's Narcissus

This class of Narcissus, instead of having a trumpet or crown, has a small wide-mouthed cup. Very hardy, used in large numbers for naturalizing, their simplicity of form and delightful fragrance making them highly prized.

Poeticus Recurvus (Pheasant's Eye or Poet's Narcissus). Flowers snow-white, with beautiful lemon-yellow cup edged with bright orange red. 7c ea.; 65c doz.; \$4.50 per 100.

Poeticus ornatus—More symmetrical than the old Recurvus (Pheasant's-eye) and blooms earlier; flowers large, pure white, cup margined orange-gold and as fragrant as the type. 7c ea.; 70c doz.; \$5.00 per 100.

Jonquils

Very popular as cut flowers and can be successfully grown by everyone. Culture same as Narcissus.

Giant Jonquils (Caperuelle Ringulosus)—An improved rich golden yellow, very fragrant; from 3 to 6 flowers are borne on stalks about 18 inches high. 9c ea.; 85c doz.; \$6.00 per 100.



Empress Narcissus

Medium Trumpet Narcissus

These types, which include the Barrii, Incomparabilis, and Leedsii are a cross between the large trumpet varieties and the Poeticus. They are gorgeous when planted outdoors in masses; may also be grown indoors and are excellent for cut flowers.

Barrii Conspicuus. Large, broad pale yellow perianth; deep yellow cup with bright scarlet edge. A very free flowering variety of the true Barrii type 10c ea.; \$100 doz.; \$7.00 per 100.

Will Scarlet—Creamy white perianth with large running fiery orange red cup. Very distinctive novelty. 30c ea.; \$3.00 doz.; \$22.00 per 100.

Lucifer—A showy and striking variety; perianth pure white, crown or trumpet brilliant orange-scarlet, making an effective contrast. 17c ea.; \$1.65 doz.; \$11.50 per 100.

Sir Watkin—"Giant Chalice Flower," or "Big Welshman." A gigantic flower, the largest in this section; perianth sulphur-yellow cup slightly deeper in color and tinged with orange; fine for pot culture; in fact, does well everywhere. 18c ea.; \$1.75 doz.; \$12.50 per 100.

Mrs. Langtry—Pure white, twin-flowered; a gem for forcing and cutting. 12c ea.; \$1.25 doz.; \$9.00 per 100.

White Lady—White perianth, soft canary-yellow cup; of fine form. 13c ea.; \$1.25 doz.; \$9.00 per 100.

Elvira—A large pure white with yellow cup; strong grower and free flowering; fragrance resembles that of gardenia. 13c ea.; \$1.25 doz.; \$9.00 per 100.

Laureus Koster—Pure white perianth, orange yellow cup. 15c ea.; \$1.45 doz.; \$10.00 per 100.

Collection Offers of Narcissi Our Selection—Postpaid.

(W)—2 each of 10 varieties all types for.....\$2.00
 (X)—5 each of 10 varieties all types for..... 3.50
 (Y)—10 each of 10 varieties all types for..... 6.25
 (Z)—20 each of 10 varieties all types for.....12.00

Giant White Narcissus

("PAPER WHITES")

Flowers pure snow white, desirable for their beauty and delicious odor; one of the best known of the bunch-flowered Narcissus. It forces admirably and flowers freely in dense clusters; will come into bloom as early as December. Splendid when grown in bowls of water and pebbles or moss, the same as Chinese Lilies.

Mammoth Bulbs, 11c ea.; \$1.25 doz.; \$8.00 per 100.
First Size Bulbs, 10c ea.; \$1.00 doz.; \$7.00 per 100.

Soleil d'or or Golden Sun

A splendid free flowering variety producing large clusters of rich yellow flowers with a deep orange-red cup. Just as easy to grow as the Paper White variety. 20c ea.; \$2.25 doz.; \$16.00 per 100.

Chinese Sacred Lily

Chinese Lilies are usually grown in bowls or dishes of water. Put an inch or two of sand and gravel in the dish in which they are to be grown, set the bulbs on this and put enough gravel or shells around them to keep them from falling over; fill the dish with water and set in a dark closet for a few days until the roots start freely; then bring them to the light and keep in any ordinary living room. A dozen or so bulbs started this way at intervals will give a succession of bloom throughout the winter.

Large Bulbs, 25c ea.; \$2.75 doz.; \$18.00 per 100.

Calla Lilies (For Pot Culture)

White Calla (Richardia Aethiopica), Ready in August.—Of easy culture, and is one of our good window plants. Pot in good rich soil, using 6 to 8-inch pots; give water, light and heat in abundance.

Mammoth Bulbs, 25c ea.; \$2.50 per dozen.
Yellow Calla, Ready in October.—Except for the color, almost identical with the white. It is a beautiful, rich, golden yellow, and is well worthy of your consideration. Cultural directions same as for "White."

Mammoth Bulbs, 35c ea.; \$3.50 per dozen.
Godfrey Everblooming White Calla. Improvement over the ordinary White Calla, being more floriferous over a longer season, a trifle smaller but delicately scented. Strong flowering roots. 25c each; \$2.25 per dozen.

Lilium Harrisii (Pot Culture)

(EASTER LILY)

This is considered the most satisfactory White Lily for indoor culture for Easter blooming.

Mammoth Size Bulbs, 55c ea.; \$5.50 per dozen.
Large Size Bulbs, 40c ea.; \$4.00 per dozen.



Lilium Auratum



"Giant White" Narcissus

Hardy Lilies

Auratum (Gold Handed)—Flowers white, dotted crimson, with a clear golden band running through the center of each petal, very fragrant. 45c ea.; 3 for \$1.20, postpaid. (Ready in November.)

Canadense Flammum—Beautiful native Lily with graceful, charming yellow flowers. Each 25c; \$2.50 per dozen.

MADONNA LILY (Lilium Candidum). The most popular garden Lily. The flowers are pure snow-white and very fragrant, borne on long stems. Bulbs are usually available in September, but can be planted very successfully any time before the ground freezes. Produces a beautiful array of flowers in May or early June. Cover bulbs not to exceed 3 inches when planted. Large French Grown Bulbs, 30c ea.; \$3.00 doz.; \$20.00 per 100. Monster Bulbs, 40c ea.; \$3.75 doz.; \$30.00 per 100.

Hansoni—Bright orange and stem-rooting. Each cluster will contain as many as twelve individual blossoms; grows from 3 to 5 feet tall and prefers a little shade, blooms in June. 85c ea.; \$8.50 per dozen.

Regale—A new hardy Lily with remarkably beautiful blooms. Color, white, shaded pink; canary-yellow center. May be used for forcing. 60c ea.; \$6.00 per dozen.

Speciosum Rubrum (Crimson Handed)—White, with a deep rosy crimson band on each petal, with deeper colored spots between. Each 40c; 3 for \$1.10, postpaid. (Ready in November.)

Superbum—It can be planted on the edge of woods or in any rough or wild parts of the grounds, where it will take care of itself without any attention, will also thrive in wet or swampy places. Often grows over eight feet high and produces twenty to thirty orange-red flowers in July. 25c ea.; \$2.50 per dozen.

Tigrinum Splendens (Single Tiger Lily)—Reddish orange blooms spotted with black. 30c ea.; \$3.00 per dozen.

Tigrinum Splendens fl. pl. (Double Tiger Lily)—Orange red blooms spotted with black. 30c ea.; \$3.00 per dozen.

Crocus

Among the earliest to blossom in spring is this beautiful little flower, lifting its head almost before the snow has disappeared. Blooming at a time when the ground is destitute of foliage and flowers, it is a welcome visitor. The Crocus succeeds in pots and glasses, for which purpose the named varieties should be selected. They present the best appearance, however, when grown in masses, for which quantities should be used of at least 100 to 500. All bulbs we supply in named varieties are mammoth size. Prices include postage.

	Doz.	100
King of Blues —Dark purple blue.....	\$0.40	\$3.00
Mont Blanc —Best white.....	.40	3.00
Mammoth Yellow —Golden yellow.....	.50	3.50
Scipio —Variegated and striped.....	.40	3.00
Choice Mixed Crocus —All colors.....	.30	2.25

Anemones (Windflower)

These popular flowers of French origin are exceedingly useful as a decorative plant for house or garden, and fine for cutting. If planted outdoors in the fall they must be well protected with leaves or other litter; they may also be planted in the spring in well-drained soil, and will flower during the summer, starting in May. When planted in pots, place twelve or more in a cluster and store away, if possible, in a coldframe until February 1; if carefully watered, when brought into the house they will flower abundantly.

Hollandi—Large Brilliant Red. \$1.50 doz.; \$10.00 per 100.

Best Mixture. \$1.00 doz.; \$7.50 per 100.

Amaryllis

(GIANT AMERICAN HYBRIDS)

Flowers of enormous size, with full, rounded, broad petals, 10 inches in diameter, are not unusual and 5 to 6 flowers to a stem, frequently two stems being pushed to the bulb. In color there are selfs and stripes, ranging from the purest white ground color with rose or red markings to rich orange-scarlet, cherry, crimson and maroon, strong flowering bulbs which we can supply in mixture only. A wonderful indoor plant for winter blooming. Ready in October, 75c ea.; 3 for \$2.00; \$7.50 per dozen.

Chionodoxas (Glory of the Snow)

Luciliae.—Pure white center gradually merging into blue, the color becoming more intense towards the tips of the petals. A beautiful bedding flower; also good for pots. 45c doz.; \$3.00 per 100.

Sardensis.—Charming flowers of a rich gentian-blue. 45c doz.; \$3.00 per 100.

Freesia Purity

The flowers are white, borne in graceful clusters, lasting a long time and are delightfully fragrant when cut, a pot of five or six bulbs being sufficient to perfume the whole house. Can be had in flower at Christmas, and continue in succession until June. When potted should not be placed in a dark place, like most other bulbs, but put directly in the light. They will grow well and bloom freely in an ordinary living room if placed near a window and not kept too hot. They will stand a slight freezing without injury, but are not hardy for outdoor use.

Mammoth Bulbs, six for 30c; dozen, 50c.; hundred, \$3.50.

Rainbow Freesias

This is a splendid improved class of colored Freesias embracing beautiful shades of yellow, blue, mauve, pink, etc. The flowers are as large and fragrant as the well known white type described above. Same cultural treatment.

Rainbow Mixed Colors—6 for 40c; dozen 70c; hundred \$5.00.

Fritillaria Imperialis (Crown Imperial)

Although the bulbs succeed fairly well in any ordinary border, a rather strong, adhesive soil, in an open position freely exposed to the sun, should, if possible be chosen for them. 25c ea.; \$2.50 doz.; \$15.00 per 100, postpaid.

Fritillaria Meleagris

Singular, dwarf, spring-flowering plants, bearing large, pendent bell-shaped flowers of various colors, in yellow, white, black, purple, striped and splashed, and checkered in the most curious way. They are invaluable for pot culture, and exceedingly pretty when grown in large groups in the garden border or wild garden in a dry situation.

Best Mixed.—Selected colors. 80c doz.; \$6.00 per 100.

Bulbous Irises

(SPANISH, DUTCH AND ENGLISH)

We are listing below what we believe to be the best distinct colors. They are excellent for growing both under glass and in the garden also. When planted outdoors they should be covered with a mulch and the bulbs planted in a well-drained borer about 5 inches deep.

Albert Cuyp (Dutch).—White, falls lemon-yellow.

Cajanus (Spanish).—Large, golden yellow, tall.

David Teniers (Filifolia).—Porcelain blue, falls yellow.

Hobbema (Dutch).—Pale blue, falls yellow.

Imperator (Filifolia).—Dark blue, extra large flowers.

La Reconnaissance (Spanish).—Bronze.

Royal Blue (English).—Similar to Spanish and Dutch but very much larger, blooming two to three weeks later. Clear deep blue.

Any of the above 9c ea.; 85c doz.; \$6.00 per 100.

Oxalis

Charming little half trailing plants, particularly adapted for pots and hanging baskets. The clover-like foliage is very attractive, and when in bloom they are exceedingly pretty. Several bulbs can be grown in a pot.

We can furnish this variety in four colors: pink, white, lavender and yellow.

Price: For any of above, 5c ea.; 50c doz.; \$3.50 per 100, postpaid.

Lily of the Valley

Imported pips or crowns for indoor forcing are received in early December and should then be planted. Place a bundle of 25 pips in a 7 or 8-inch pot, filling it up with sand, moss or light soil, allowing the points of the pips to be about an inch above the surface. They should then be placed out of doors and brought indoors as wanted, and put in a shaded place in a temperature of about 70 degrees and when the spikes are 3 or 4 inches high they may be brought to where they are to perfect their flowers.

Imported Pips—(December delivery). 25 pips \$2.50; 100 pips \$8.00.

American Pips—(For outside planting late October or early November delivery). Extra strong clumps, 50c each; \$5.00 per doz. Pips 25 for \$1.00; 100 for \$3.50.

Muscari (Grape Hyacinths)

One of the prettiest of early spring flowering bulbs, growing about 6 inches high, and throwing up numerous spikes of flowers, which resemble a miniature inverted bunch of grapes.

Heavenly Blue Grape Hyacinths—A strong growing variety producing much larger spikes of flowers than the ordinary Blue Grape Hyacinth. Color clear light blue; very showy. 45c doz.; \$3.00 per 100.

Snowdrops

However carefully Snow drops are selected, it is impossible to insure the singles and doubles coming quite true. The bulbs manifest an unusual tendency to run out of character.

Single Snowdrops—Selected bulbs. e doz.; \$3.50 per 100.

Double—Selected bulbs. 80c doz.;) per 100.

Seillas (Squills)

Sibirica, Blue—Invaluable for interior decoration. The lovely ultramarine blue flowers contrast admirably with Roman Hyacinths and other early flowering bulbs. The Blue Squill is perfectly hardy, and should be largely grown in the open border in conjunction with Snowdrops. 55c doz.; \$4.00 per 100.

Campanulata, Blue (English Blue Bells)—Blooms in May. 5c ea.; 50c doz.; \$3.50 per 100.

Campanulata, White—Valuable for cutting in May. 6c ea.; 60c doz.; \$4.00 per 100.

Campanulata, Rosca—Very pretty pink flowers. 9c ea.; 80c doz.; \$5.50 per 100.

Winter Aconite (Eranthis Hyemalis)

The Winter Aconite is the very "firstling" of the year covering the ground with gilt spangles in the bleakest days of February, or March in colder states. Any soil or situation will suit this flower, and it should be planted in large patches within view from the windows. 40c doz. \$2.75 per 100.

PEONIES

Probably no perennial is more universally acclaimed and loved, and we know of none that justifies such popularity more than the Peony. It is hardy, is not bothered by a multitude of ailments and pests, is not particular about soils or fertilizers, does not require frequent transplanting in the garden or continual coddling and anxiety from the gardener. For the little that it needs, it pays back with increasing generosity. Years, as a rule, merely add to its beauty and enhance its lavish display.

HOW TO GROW

The greatest mistake most amateurs make is in manuring their Peonies. The two most serious Peony diseases both seem to be caused by improper fertilization, usually with stable manures.

The best way to do this is to dig a deep and generous hole. Place well-rotted barnyard manure in the bottom, well-mixed with soil. If well-rotted manure is not available, fresh manure will do no harm, provided 8 to 10 inches of good garden soil intervenes between the roots and the manure at planting-time. By the time the roots reach the manure, it will no longer be manure and there will be no danger. Never mix manure in the soil around the roots; never mulch it in the soil above the roots; never mulch the surface of the soil with it. With a bed prepared in this fashion, all the fertilizer needed will be a handful of bone-meal around the plant in spring when the stalks begin to push through the soil. Work in the bone-meal but do not allow it to touch the shoots.

Peonies prefer a sunny location, although they do fairly well in partial shade. They can be worked into the perennial borders and hold their own in admirable shape, although it is not wise to put them close to trees, hedges, or shrubs.

An important point to observe in the planting of Peonies is not to plant too deep. The roots should be placed so that the crowns are covered with two or three inches of soil. Too deep planting is a frequent cause of shy flowering. Proper distance apart is from 3½ to 4 feet.

Peonies are best planted from the latter part of September until the ground freezes in Mountain States.

Albert Crousse—Bomb type. Late. Shell pink. Center slightly flecked crimson. Large compact and vigorous. \$1.00 each; \$10.00 per dozen.

Berloiz—Large, bright currant red shaded amaranth. 75c each; \$7.50 per dozen.

Delachei—Medium, compact, rose type. Violet-crimson, slightly silver tipped. Late mid-season. 75c each; \$8.00 per dozen.

Edulis Superba—This is the famous Decoration Day Peony. Color a beautiful bright clear pink, with silvery reflex. 50c each; \$5.25 per dozen.

Felix Crousse—Large, ball-shaped bloom; very brilliant red. One of the finest self-colored varieties. 90c each; \$9.00 per dozen.

Festiva Maxima—The finest white in cultivation. 55c each; \$5.50 per dozen.

Grover Cleveland—Rose Type. Late. Dark Crimson. Very large and full. Tall. One of the best red varieties. \$1.50 each.

Karl Rosenfield—Large, globular, compact, semi-rose type. Dark crimson. Midseason. Very fine. \$1.50 each; \$16.00 per dozen.

L'Éclatante—Bomb type, midseason. Flowers very double and full; color deep, brilliant velvety-crimson. 75c each; \$7.50 per dozen.

Madam Leoline Calot—Milky-white, flesh tinted, flecked with crimson. Late midseason. 70c each; \$7.00 per dozen.

Marie Jacquin—Midseason. Semi-rose type. Known as the "Water-Lily Peony." Very interesting on account of its variable forms. Color is a most delicate flesh tint that gives way to lilac-white. Semi-double, blooms in profusion. \$1.25 each.

Mons. Jules Elie—Immense globular, very full flowers. Color glossy lilac-pink, shading to deeper rose at base, the entire flower overlaid with a sheen of silvery hue. Early midseason. \$1.00 each; \$10.50 per dozen.



Felix Crousse

Meissonier—(Syn. American Beauty) Bomb type, midseason. Very brilliant crimson; full double flowers on stiff, wiry stems. 70c each; \$7.00 per dozen.

Officinalis Alba—Extra early large old-fashioned double white. 95c each; \$9.50 per dozen.

Officinalis Rosa—Extra early double rose pink. 95c each; \$9.50 per dozen.

Officinalis Rubra—Extra early large globular brilliant crimson. The very popular old time "Piney" first of all in Peonies to bloom in the Spring. 95c each; \$9.50 per dozen.

Princess Matilda—Very large. Late rich pink. 55c each; \$5.50 per dozen.

Queen Victoria—Bomb type; early midseason. One of the best every day white. Very pretty in the bud state, when it has a faint blush tint. 55c each; \$5.50 per dozen.

Rubra Superba—Magnificent rich brilliant crimson. Very large, full, and double. Highly fragrant. Decidedly the best late red Peony. 70c each; \$7.00 per dozen.

Unhellata Rosa—Rose type; very early. Large, informal flower, guards violet-rose shading to an amber-white center. Very strong, upright grower and free bloomer. 70c each; \$7.00 per dozen.

MIXED—Double Red—50c each; \$5.50 per dozen.
Double White and Double Rose-Pink—45c each; \$4.50 per dozen.

New Japanese Varieties

An entirely distinct type, forming an intermediate class between the single and double types, distinguished by their stamens being transformed into narrow petaloids. Usually a crown or center tuft of golden petaloids. Sometimes streaked or splashed pink. Most of them have cup-shaped guard petals, filled with a mass of gorgeously colored petaloids. We recommend these as unique and striking additions to your collection.

Akabi (Japan)—Very large deep carmine flowers of uniform color. Clear even tone, fine form and immense in size. Huge center of saffron yellow petaloids. Fine grower and free bloomer. \$4.00 each.

Pussyama (single)—Soft flesh pink, changing to white with age; large flowers. \$1.50 each.

Mikado—Japanese; dark, brilliant crimson petals, center cushion of golden yellow petaloids, crimson edged; long, wiry stems; an exquisite flower. \$3.50 each.

P-W's "Big Six" Peony Collection

Here is a gear acquainted selection of a half dozen best standard varieties as follows:

- | | |
|---------------------------------|-------------------------------|
| 1 Festiva Maxima —White | 1 Felix Crousse —Red |
| 1 Queen Victoria —White | 1 Edulis Superba —Pink |
| 1 Officinalis Rubra —Red | 1 Albert Crousse —Pink |

Regular value of above \$4.45. Sale price \$3.50, post-paid

Hardy Perennial Plants and Seeds

Perennials planted once are always there; the flowers become better as plants grow older. It requires more time for the plants to come to flowering size when seed is planted. Sow the seed outside in fall or early spring and transplant when plants are large enough to place where you wish them to flower.

We furnish either plants or seeds of the varieties listed below. Prices except where otherwise noted—Field Grown Plants: 25c each; \$2.25 per dozen; \$15.00 per 100. If by mail add 5c each; 30c per dozen, for postage and packing. Seeds: Per pkt. 10c; 3 for 25c; 13 pkts. for \$1.00, postpaid.

ACHILLEA (The Pearl)—Useful for the border, wild garden or shrubbery; also for cutting.

AGROSTEMMA (Rose Campion)—Stout, erect-growing plants, silvery foliage, showy flowers, bloom June and July. Bright rosy-crimson, 2½ to 3 feet.

ANTHEMIS (Marguerite)—Daisy-like yellow blossoms, bloom all summer, excellent for cutting.

ALYSSUM SAXATILE COMPACTUM—(Basket of Gold)—One foot high, producing early in the summer masses of broad flat heads of bright yellow flowers.

AQUILEGIA (Columbine)—The Columbine is one of the most beautiful hardy perennials, producing graceful spurred flowers on 2-foot stems mixed colors.

ANCHUSA—Blooms from June to September, small blue panicles.

ARABIS (Rock Cross)—Blooms in April and May. Star shaped white flower in masses. Adapted for rock gardens and edging.

CANTERBURY BELLS—In several assorted colors.

COREOPSIS (Lanceolata)—Flowers are bright golden yellow.

CHRYSAANTHEMUMS—(Old fashioned large flowering) in four colors: red, white, pink, and yellow. (Plants only.)

CENTAUREA MONTANA (Perennial Corn Flower)—Grows 2 ft. high, bearing large violet blue flowers from July to September.

CARNATION—After a few years' trials, we have proved these to be quite hardy with ordinary protection. Large double flowers, in bloom all summer.

Double Mixed, Extra Choice—Seeds, pkt., 15c.

CERASTIUM (Tomentosum, Snow in Summer)—4 in. Silvery white foliage, covered with snow-white flowers in early summer. Seeds, pkt., 15c.

DELPHINIUM (Perennial Larkspur)—Few plants are so handsome as the perennial Larkspurs. The most important are the tall hybrids, varying from 1 to 6 feet, and from the palest lavender through every conceivable shade of blue to deep indigo.

Double Mixed—3 feet. Pkt., 15c.

Formosum—3 feet; deep blue, white eye, open spike.

Belladonna (Light Blue)—2 feet; flowers exquisite shade of turquoise blue. Pkt., 20c.

Bellamosum—This is a dark form of the popular light blue Belladonna with which it is identical in habit and growth; freedom of bloom. Pkt., 25c.

Gold Medal Hybrids—Height 6 ft. Unquestionably the finest strain of mixed hybrids offered. Large flowers on spikes two feet and over, the majority running in the lighter shades of blue. Mixed colors. Pkt., 25c.

P.A.W.'s Wreath Hybrids Mixed—All varieties. Pkt., \$1.00. One yr. plants 35c each; \$3.50 per dozen.

PLANTS—Any of above 25c per clump; \$2.25 per doz.; \$15.00 per 100. If by mail add 5c ea. or 30c per doz. for packing and posting.

SEED—Any of above, except where otherwise noted: Pkt. 10c; 3 pkts. 25c; 13 pkts. for \$1.00, postpaid.



Effective Planting of Hardy Perennials

DIGITALIS (Fox Glove)—A very ornamental plant, growing to about three feet high; assorted colors.

DIELYTRA SPECTABILIS (Bleeding Heart or Seal Flower)—An old-fashioned favorite, at home in any part of the hardy border, and especially valuable for planting in the shade. Strong roots. 75c each; \$8.00 dozen.

DORONICUM (Excelsum)—Large bright yellow flowers and one of the most effective very early spring flower. It is also a splendid flower for cutting, as it carries well and stands a long time; succeeds everywhere. Plants, 50c each; \$5.00 per dozen; Seeds, pkt., 25c.

ERYNGIUM (Sea Holly)—Handsome ornamental plants, growing from 2 to 3 feet high. The flower heads are produced from July to September.

EUPATORIUM (Mist Flower)—Useful border plant of strong, free growth, height 2 to 3 ft. White and blue flowers splendid for cutting; August and September.

EUPHORIA POLYCHROMA—Attractive border plant; produces yellow flower-like bracts in May; 2 feet.

FEVERFEW (Matricaria) Little Gem—Large double, white flowers; June until October; 12 to 15 inches high.

FUNKIA (Plantain Lily)—The Plantain Lilies are among the easiest plants to manage; their broad massive foliage makes them attractive subjects for the border even when not in flower. They succeed equally well in sun or shade.

Lanceolata—Valuable by reason of its late flowering, lilac flowers in September; 2 feet.

GALLIARDIA GRANDIFLORA—A mass of blooms the entire season. Flowers are dark red-brown with petals of orange or crimson.

GEUM (Avens)—Border plants about 15 inches high; flowers brilliant, scarlet double bloom May to July.

FERNS (Hardy)—Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing in woodland they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect in shady spots in any garden. Their culture is easy.

Maidenhair Fern—1 ft. The best dwarf fern.
Lady Fern—2 to 3 ft. Fine delicate fronds, very hardy, will grow in the sun if soil is kept moist.

Ostrich Fern—3 to 4 ft. Stately, handsome, dark green fronds.

Plants of above three varieties—40c each; \$4.00 per dozen; \$30.00 per 100.

FLAG IRIS (Plants Only)—Avoid planting too deep, barely covering the rhizomes. (Creeping root stems) being sufficient. In the arid sections of the west are most suitable they being great drought resisters.

"S" refers to standards. "F" to falls.

Elderado—"S" fiery opalescent, "F" purplish gold. 30c each; \$3.00 per dozen.

Fairy—"S" white. "F" fringed blue. 25c each; \$2.50 per dozen.

Florentina—"S" white, "F" veined violet. 25c each; \$2.50 per dozen.

Idion—"S" golden yellow, "F" brown. 30c each; \$3.00 per doz.

Kharput—Both "S" and "F" violet purple. 30c each; \$3.00 per dozen.

Lohengrin—Large silvery mauve, both "S" and "F." 35c each; \$3.50 per dozen.

Lorley—"S" light yellow, "F" ultra-marine blue. 25c each; \$2.50 per dozen.

Palida Dalmatica—Both "S" and "F" clear lavender blue. 40c each; \$4.00 per dozen.

Ass't Colors—Orange, white, yellow, blue, lavender, pink, purple and mixed 15c each; \$1.50 per dozen; \$10.00 per 100, postpaid.

GYPSOPHILIA PANICULATA (Baby's Breath)—A mist of single white flowers.

GYPSOPHILIA (Paniculata Flore Pleno)—Improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. 2-3 ft. July-August. Not quite fixed, but about 25 per cent come true. Seeds, pkt., 25c.

HARDY GARDEN PINKS—Assorted colors.

HELENIUM (Riverton Gem)—Covered from August to October with brilliant old gold and splashes of darker shades, changing later to wall-flower red. Pkt. 15c.

HIBISCUS—Giant Mallow Marvels—Crimson, white and pink flowers in August and September.

—Crimson, white and pink flowers in August and September.

Hardy Perennial Plants and Seeds (Continued)

We furnish either plants or seeds of the varieties listed below. Prices except where otherwise noted—Field Grown Plants: 25c each; \$2.25 per dozen; \$15.00 per 100. If by mail add 5c each; 30c per dozen, for postage and packing. Seeds: Per pkt., 10c; 3 for 25c; 13 pkts. for \$1.00, postpaid.

HOLLYHOCKS—Handsome double improved varieties of this flower make it a great favorite; assorted colors.

HEMEROCALIS (Yellow Day Lily)—Very fragrant lemon-yellow flowers in June and July; height 2½ to 3 feet.

INCARVILLEA (Hardy Gloxinia)—Showy plant for hardy border rose-colored flowers on 15-18 inch stems during June and July, succeeds in sun or shade; protect well during winter.

IBERIS (Hardy Candy Tuft)—Flowers in pretty white clusters in May and June.

HESPERIS (Sweet Rocket)—Assorted colors.

HEUCHERA (Alum Root) Sanguinea—2 ft. July-August. Long stems of large crimson-scarlet flowers. Splendid for cutting. Seeds. Pkt., 25c.

LATHYRUS (Everlasting Pea)—Assorted colors; climber, 8 to 10 feet; clusters large flowers entire summer; fine for cutting.

LAVENDULA (Lavender)—Grows 18 in. high; delightfully fragrant blue flowers in July and August.

LINARIA (Toad Flax)—Dainty lilac and orange flowers throughout summer; trailing habit, 3 inches.

LINUM (Blue Flax)—Graceful, blue flowers all summer.

LUPINUS (Lupin)—Most beautiful hardy border plants, producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.

LYCHNIS (Jerusalem Cross)—Brilliant orange scarlet flowers in June and July.

MICHAELMAS DAISIES (Hardy Asters)—Among the showiest of late-flowering hardy plants, bloom during September and October.

MYOSOTIS (Forget-Me-Not)—Dwarf Blue, in bloom from early spring until autumn.

Phlox (Hardy Perennial)

Phlox are a garden in themselves, succeed in almost any soil and position, and flower freely for many years without attention, yet they respond quickly to and are improved by liberal cultivation. They should be planted in October or November or in the very early spring.

H. Comte, rich French purple.

Heaven, bright cherry red.

Champs Elysee, rosy magenta.

Commander, New bright crimson dark eye.

Michael Buchner, pale lavender strong grower.

Rheinlander, salmon pink, claret eye.

Rosenberg, wine purple, tall grower, very showy.

Thor, lovely shade deep salmon pink.

Von Lassburg, pure white, very lge.

Price, any of above 35c each; \$3.50 per dozen.

PLANTS—Any of above 25c per clump; \$2.25 per dozen; \$15.00 per 100. If by mail add 5c each or 30c per dozen for packing and posting.

SEED—Any of above, except where otherwise noted: Packet 10c; 3 packets 25c; 13 packets for \$1.00, postpaid.



Double Hollyhock

POPPY (Hardy Oriental)—Large Flowers bright red.

POPPY, ICELAND (Iceland Poppies)—Mixed colors; bright green fern-like foliage, cup-shaped flowers.

PLATYCODON (Balloon Flower)—Deep blue flowers July and August. Pkt., 25c.

PENSTEMON (Bearded Tongue)—Mixed colors, useful for either border or rockery. Pkt., 25c.

PHYSOSTEGIA (False Dragon Head)—Erect bushy plants, very showy rose purple flowers in July and August.

PYRETHRUM (Aliginosus Giant Daisy)—Very attractive daisy like flowers. Pkt., 25c.

PHYSALIS FRANCHETI (Chinese Lantern Plant)—Ornamental variety of Winter Cherry, dense bushes about 2 feet high; orange-scarlet lantern-like fruits.

POLYANTHUS (Primula Elatior)—Mixed colors; early Spring flowering; height 9 inches.

RUDHECKIA ("Golden Glow")—Brilliant golden-yellow, blooms July to September. Height four to six feet.

RUDHECKIA Newmanii (Black Eyed Susan)—Dark orange-yellow flowers, deep purple cone blooms July to September. Height 3 feet.

RUDHECKIA (Purpurea)—Peculiar reddish-purple with large cone-shaped center of brown, bloom July to October. Bushy plants 3 feet high.

SALVIA (Meadow Sage)—Azurea—3 to 4 feet high; sky-blue flowers in August and September.

SCABIOSA CAUCASIA (Blue Bonnet)—Soft lavender blue, graceful flowers on stems 18 to 24 inches high. Bloom from July to September. Splendid cut-flowers.

STATICE (Great Sea Lavender)—Covered with minute purplish blue flowers in July and August. If cut and dried lasts in good condition for months.

SHASTA DAISIES—Burbank's new varieties.

STOKESIA CYANEA (Cornflower Aster)—Bright lavender blue Aster like flowers, flowering from June until fall.

SWEET WILLIAM (Dianthus Barbatus)—The varieties offered are an improvement on the old-fashioned kinds. Sweet Williams look well in solid beds. We furnish both **Single** and **Double** in assorted colors.

TRIFOMA (Red-Hot Poker)—Hardy if given protection. In bloom from August to October; spikes 3 to 4 feet, heads of bloom are rich orange-scarlet.

VIOLETS—Hardy sweet-scented blue. Plants, 15c each; \$1.50 per dozen.

VINCA MINOR (Periwinkle or Trailing Myrtle)—Splendid for shady places.

VERONICA (Speedwell)—Border plant 18 inches high; long spikes of blue flowers in June and July.

YUCCA (Adam's Needle) Filamentosa—5-6 ft. or more. June-July. Handsome creamy white flowers, much branched and densely packed with bloom, with sword-like foliage.

1-year Plants, 25c each; \$2.50 doz.

2-year Plants, 50c each; \$5.00 doz.

4-year Plants, \$1.75 each; \$18.00 doz.

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

Giant Spencer Sweet Peas

1 Pkt., 5-foot Row

FOR FALL PLANTING

1 Oz. 20-foot Row

A better growth of vines and earlier blooming often results from planting seed in the fall instead of early spring. If a well drained, sandy soil is selected, this method may usually be depended upon to give satisfactory results. A number of planters have been very successful here in the Salt Lake Valley.

Preparation of the soil is the same as that for spring planting. The seeds should be sown about an inch or two apart in rows about three inches deep, and firmly covered with soil which should be somewhat ridged above the rows to improve drainage. The most important point in fall planting of Sweet Peas is to plant late enough so that plants will not appear above the surface of the soil before freezing weather sets in. Plantings are usually made in this vicinity from the 10th to the 25th of November, depending on weather.

EARLY FLOWERING SPENCERS

This new type is in great demand by commercial florists for forcing under glass and are just as valuable for outdoor culture, coming into flowers five or six weeks earlier than the regular orchid-flowered type. If flowers are kept picked will continue to bloom over a period of nearly four months.

Meadow Lark—Primrose yellow.
Fair Maid—Blush-pink.
Morning Star—Rich, rosy salmon.

Early Harmony—The Finest clear lavender.

Early True Blue—Rich mid-blue.

Any of above except where noted—Pkt. 10c; Oz. 55c; $\frac{1}{4}$ lb., \$1.75.

Early Zvolanek's Rose—Rich rose pink.

Blue Bird—Violet blue.

Grenadier—Dazzling scarlet. Excellent. Pkt. 10c; Oz. 85c; $\frac{1}{4}$ lb. \$3.00.

Illumination—Salmon cerise.

Lavender King—Clear lavender.
Mrs. Kerr—Salmon. Very fine. Pkt. 10c; Oz. 85c; $\frac{1}{4}$ lb. \$3.00.

Snowstorm—Improved. Pure white.

Yarrava—Bright rose pink, lighter wings.

STANDARD SPENCER FLOWERED

Of the hundreds of Orchid-flowered or Spencer Sweet Peas introduced, we offer what we consider the very choicest and most distinct varieties, each one is a leader in its respective color, and sure to give entire satisfaction.

Charming—A most brilliant rosy orange cerise, large flower.

Colne Valley—Lavender blue, very large.

Constance Hinton—Enormous size. The best white for outdoor use.

Dobbie's Cream—The finest primrose-yellow.

Price, Any of above: Pkt. 10c; Oz. 30c; $\frac{1}{4}$ lb. \$1.00; Lb. \$3.00, postpaid.

P.-W.'s Superb Spencer Mixed—Pkt. 10c; Oz. 25c; $\frac{1}{4}$ lb., 75c; Lb. \$2.25.

Florence Nightingale—A large and fine pure bluish lavender.

Hawthorn Salmon Pink—A most beautiful deep salmon pink.

Hercules—Larger than Countess Spencer, lively rose-pink.

King Mauve—A distinct rich deep mauve.

Margaret Atlee—The best giant rich pink.

Royal Purple—Rich royal purple.

Royal Scot—A most brilliant scarlet.

The Cardinal—Intense poppy-scarlet; very large and wavy.

Pansies

Pansies like cool weather, and the best way to grow them in the north is to start them in the late summer and carry the plants over the winter in a cold frame. The plants will then come into flower with the first tulips. The violas will live over winter with a heavy mulch for protection, and are splendid for bedding.

Boulogne Giant Mixture—The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotted delicately veined. Pkt., 25c; 1-32 oz., \$1.00.

Cassiers 3 and 5 Blotted Mixed—Mostly light shades with dark blotches. $\frac{1}{4}$ ounce, 75c; packet, 20c.

P.-W.'s Best Giant Mixture—It includes the richest reds, coppers and bronzes, together with the most delicate rose-pink shadings; packet, 25c; $\frac{1}{4}$ oz., \$1.00.

Masterpiece (New Giant Curled or Spencer Pansies)—The petals are crimped and curled so the flowers appear double. Packet, 25c; $\frac{1}{4}$ oz., \$1.00.

Mixture of Orchid Flowered Varieties—Including only pretty tints and combinations of cream, primrose, and pale mauve, the flowers being exquisitely frilled and veined in contrasting colors. Packet, 15c.

Steele's Mastodon Mixed—This is one of the most colorful mixtures of mammoth flowering pansies of which we are familiar. Pkt., 25c; 1-16 oz., \$1.00.

Paris Market—An improved strain of Trimardeau, with better flowers and more compact habit. $\frac{1}{4}$ oz., 60c; packet, 10c.

Ruby Red—Packet, 15c; $\frac{1}{4}$ ounce, 50c.

Violet Blue—A very pleasing shade. Packet, 15c; $\frac{1}{4}$ oz., 50c.

Pure White—Pure white without blotches. Packet, 15c; $\frac{1}{4}$ oz., 50c.

Pure Yellow—Golden yellow without blotches. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Bedding Mixed—Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts. $\frac{1}{4}$ oz., 40c; pkt., 10c.

Lawns Made in the Fall

have many advantages over those made during the spring months, as the conditions are ideal for quick germination of seed, and the plants will make deeper roots and more healthy growth, besides there is less danger of being winter-killed than there is a spring-sown grass being killed by extreme heat of July and August. We advise all who contemplate making a new lawn, or renewing the old, to do the work this fall, as the grass will become well established before freezing weather. The seed we offer has been most carefully selected and none better can be obtained.

P.-W.'s Velvet Green Lawn Mixture—The best lawn seed experience can suggest or that money can buy. Produces a beautiful, permanent lawn in four to six weeks. In P.-W.'s Velvet Green Grass Seed are included only the very best varieties—pure clean and free from foul seed. Sow at rate of one pound to 200 square feet. Price: lb., 65c; 3 lbs. \$1.85, postpaid. Not prepaid, lb., 60c; 10 lbs., \$5.50.

Improved Rhode Island Bent Grass—Sow in Fall or Spring 3 to 4 lbs. to 1,000 sq. ft. We offer the best obtainable grade of this variety. 1 lb., \$1.75; 3 lbs., \$5.00.

See page 22 for Lawn Fertilizers.

Red Fescue—See page 15.

Kentucky Blue Grass—The main stay for lawn making; our stock is extra fancy re-cleaned heavy seed. The purest and cleanest obtainable. Lb., 65c; 3 lbs., \$1.85, postpaid. Not prepaid, lb., 60c; 10 lbs., \$5.50.

Red Top Grass—See page 15.

Shady Nook Lawn Mixture—Prepared especially for shady places where it is difficult to get a turf established. Lb., 70c, postpaid. Not prepaid, 65c lb.; 10 lbs., \$6.00.

White Clover—First class re-cleaned seed. Specially selected for lawn use. Lb., 80c, postpaid. Not prepaid, lb., 75c; 10 lbs., \$7.00.

FARM SEEDS (For Fall Planting)

Consistent with our Policy to sell only the best, we furnish only such grades that have been critically grown from highest germination and purity; this fact should be in mind when comparing prices with other sources of supply. **PRICES FLUCTUATE.** Please write for quantity prices on Alfalfa, Sweet Clover and Grass Seeds. Also Fall Wheat and Rye or anything else desired in Farm Seeds.

Bromus Inermis (Hungarian Bromo Grass)—Sow 20 to 30 lbs. per acre. Pound, 30c, postpaid. Not prepaid, 10 lbs., \$2.00.

Red Top—Sow 25 pounds per acre. Pound, 50c, postpaid. Not prepaid, 10 lbs., \$4.00.

Orchard Grass—Sow from 20 to 25 pounds per acre. Pound, 45c, postpaid. Not prepaid 10 lbs., \$3.00.

English or Perennial Rye Grass—30 pounds per acre, spring or fall. Pound, 35c, postpaid. Not prepaid, 10 lbs., \$2.50; 00 lbs., at market price.

Meadow Fescue, Randall or English Blue Grass—Sow in spring or fall at the rate of 30 pounds to the acre. Pound, 45c, postpaid. Not prepaid, 10 lbs., \$5.50.

Tall Meadow Oat Grass—Sown alone, use 30 pounds to the acre, either spring or fall. Pound, 60c, postpaid. Not prepaid, 10 lbs., \$5.00; 100 lbs. at market price.

Red or Creeping Fescue (Festuca rubra)—Sow in Spring or about the first of September. Lb., 65c; 3 lbs., \$1.85. Postpaid. Not postpaid, lb., 60c; 10 lbs., \$5.50.

Western Wheat Grass—For dry land without equal. Sow 15 lbs. per acre; lb., 25c, postpaid. Not prepaid, 10 lbs., \$1.75.

Kentucky Blue Grass—See page 14.

Timothy—12 pounds to the acre. Pound, 25c postpaid. Not prepaid, 10 lbs., \$1.50.

Alfalfa—P.-W.'s Mountain Grown Dry Land—Lb., 35c, postpaid. Not prepaid, 10 lbs., \$2.50; 100 lbs., market price.

Alfalfa Seed Grimm (Certified)—Lb., 60c, postpaid. Not prepaid, 10 lbs., \$5.00; 100 lbs., market price.

Alsike Clover (Swedish Hybrid)—Sow at the rate of six or eight pounds per acre; sown in mixtures, five or six pounds per acre is sufficient. Lb., 55c; postpaid. Not prepaid, 10 lbs., \$4.50; 100 lbs., market price.

Sweet Clover or Bokhara (Melilotus Alba) White Blossom—Sow at the rate of 10 to 15 pounds per acre. Cover the seed very lightly. Lb., 25c, postpaid. Not prepaid, 10 lbs., \$1.75; 100 lbs., market price.

Yellow Blossom (Melilotus Officinalis)—Lb., 30c, postpaid. Not prepaid, 10 lbs., \$2.00; 100 lbs., market price.

Medium Red Clover (Trifolium Pratense)—Sow either in the spring or fall at the rate of fifteen pounds to the acre. Lb., 50c, postpaid. Not prepaid, 10 lbs., \$4.50.

P.-W.'s Mixture No. 1. For Upland Pasture Under Irrigation—Sow 25 pounds per acre. Pound, 55c, postpaid. Not prepaid, 10 lbs., \$3.50; 100 lbs. at market price.

P.-W.'s Mixture No. 2. For Low and Moist Soils—Sow 25 pounds per acre. Pound, 45c, postpaid. Not prepaid, 10 lbs., \$3.25; 100 lbs. at market price.

Remember the Fall Vegetable Garden

Why allow your ground to be idle after harvesting your summer vegetables when you can just as well make it work for you Spring, Summer and Fall. For your selection we list some of the vegetables especially suitable, either for late Summer and Fall planting or for forcing under glass or in frames during the winter. All prices include delivery charges.

BEET (TABLE VARIETIES)

	Pkt.	Oz.	¼ Lb.	Lb.
Extra Early Egyptian.....	5c	10c	35c	\$1.00
Crosby's Egyptian.....	5c	15c	45c	1.25
Detroit Dark Red.....	5c	15c	45c	1.25
Improved Blood Turnip.....	5c	10c	35c	1.00

ONION SETS

Onion Sets planted this fall will produce the earliest Spring Onions without winter protection. Try them out and you will have green onions next spring for table or market several days ahead of your neighbor who waits until spring. Price: **Yellow varieties**, 25c lb.; 10 lbs. \$2.00, postpaid. **White Sets**, 30c lb.; 3 lbs., 80c; 10 lbs., \$2.50, postpaid. Write for prices on quantities.

ONIONS

	Pkt.	Oz.	¼ Lb.	Lb.
Prizetaker.....	5c	25c	75c	\$2.25
P.-W.'s Southport Yellow Globe.....	5c	20c	50c	1.75
Yellow Globe Danvers	5c	20c	50c	1.50
Giant Gibraltar	10c	25c	75c	2.25
P.-W.'s Sweet Spanish (Valencia) and (Domestic)	10c	40c	1.25	4.00
Red Wethersfield	10c	20c	60c	1.75
P.-W.'s Mountain Danvers	10c	20c	75c	2.25
Extra Early Barletta	5c	20c	80c	2.00
Crystal White	10c	55c	1.75	5.50
Early White Queen	5c	20c	65c	2.00
Mammoth Silver King	5c	25c	75c	2.25
P.-W.'s Peerless White	10c	35c	1.00	3.50
P.-W.'s Southport White Globe	5c	25c	80c	2.50
Round Silver-Skin (Portugal)	5c	25c	80c	2.50

SPINACH

	Pkt.	Oz.	¼ Lb.	Lb.
King of Denmark.....	5c	10c	20c	50c
Long Standing.....	5c	10c	15c	40c
P.-W.'s Bloomsdale Savoy.....	5c	10c	15c	40c

MUSHROOM SPAWN

	Bricks	1	2	5
Pure Culture.....	45c	80c		\$1.75

LETTUCE

	Pkt.	Oz.	¼ Lb.	Lb.
Big Boston.....	5c	20c	55c	\$1.75
Hanson.....	5c	20c	55c	1.75
May King.....	5c	20c	55c	1.75
New York Lettuce	5c	30c	75c	2.25
P.-W.'s Extra Early	5c	20c	55c	1.75
Iceberg	5c	20c	55c	1.75
Black Seeded Simpson	5c	20c	55c	1.75
Prizehead	5c	20c	55c	1.75
Trianon os	5c	20c	65c	2.00

PARSLEY

	Pkt.	Oz.	¼ Lb.	Lb.
Champion Moss Curled.....	5c	15c	40c	\$1.25
Double Curled.....	5c	15c	40c	1.25

RADISHES

	Pkt.	Oz.	¼ Lb.	Lb.
P.-W.'s Earliest (Round).....	5c	10c	25c	75c
P.-W.'s Scar. Turnip Wh. Tip.....	5c	10c	25c	75c
French Breakfast.....	5c	10c	25c	75c
P.-W.'s Sparkler (Round).....	5c	10c	25c	75c
Icicle (Long)	5c	10c	25c	75c
Long Scarlet, Short Top (Long)	5c	10c	25c	75c
Chinese White (Winter)	5c	10c	40c	1.00
Chinese Rose (Winter)	5c	10c	40c	1.00
Black Spanish (Winter)	5c	10c	40c	1.00

TURNIPS

	Pkt.	Oz.	¼ Lb.	Lb.
Extra Early Pur. Top Milan.....	5c	15c	40c	\$1.25
Extra Early White Milan.....	5c	15c	40c	1.25
Early Purple Top Strap Leaf.....	5c	10c	25c	.75
Purple Top White Globe.....	5c	10c	25c	.75
Snowball.....	5c	10c	25c	.75
White Egg.....	5c	10c	25c	.75
White Flat Dutch.....	5c	10c	25c	.75
Rutabaga Purple Top.....	5c	10c	25c	.75c

VEGETABLE ROOTS

	Each	Doz.	100	1000
Asparagus—2 year roots.....	7c	\$0.60	\$1.75	\$12.50
Rhubarb.....	25c	2.00	12.00	
Horseradish.....	6c	.60	3.50	

SEE GENERAL CATALOG FOR REGULAR LIST OF VEGETABLE SEEDS.

Hardy Ornamental and Flowering Shrubs

There is nothing which so quickly, and for so little cost, add so much to the beauty, cheerfulness and home-like appearance of a place as an assortment of hardy shrubs. They are permanent improvements which increase in size, value and beauty, year after year. Our price is for strong, healthy, field grown shrubs, two to four feet high, depending on the variety, some making higher growth than others.

For your convenience we have indicated in each description the height, spread, and blooming period. For example, "H 3-4, S 3-4, June," may be interpreted height 3 to 4 feet, spread 3 to 4 feet, flowers in June." It is understood that the sizes given are only approximate, and will vary considerably according to soils and climate.

Shrubs marked (*) can be grown in partial shade, but they will also thrive in full exposure to the sun.

FLOWERING ALMOND

Amygdalus—A most beautiful shrub, is one of the loveliest. The flowers are borne on its slender branches during May, and are very fragrant. H 3-5, S 4. **Double pink.** Each, \$1.00 **Double white.** Each, \$1.00.

*ALTHEA (Rose of Sharon)

The Altheas are among the most valuable of our tall, hardy shrubs on account of their late season of blooming, which is from August to October, a period when few shrubs are in flower. They are extensively used as hedge plants, for which they are admirably adapted. We offer in four distinct colors. **Red, Pink, White, and Purple.** H 10-12, S 6-8.

AMORPHA

False Indigo (A. fruticosa)—Grows in large spreading bush form, with bright green leaves in pinnate arrangement; flowers deep violet blue, in June H 8-10; S 8-10.

ARALIA

Pentaphylla—Long, slender, gracefully arching branches and bright green, compound foliage. Makes a small tree in time, especially attractive on rocky slopes. Greenish white flowers in long umbels. H 12-15, S 8-10.

*BERBERIS (Barberry)

Japanese Barberry (B. thunbergii)—Beautiful shrub for hedges, border, screens or general purposes. Very compact and needs no attention with the shears. Foliage a rich green, changing in the autumn to brilliant scarlet and gold. Following the white flowers are scarlet oval berries which are borne into the winter. Two-year, 18-inch shrubs, 55c each; ten for \$5.00; \$40.00 per 100. H 3-4, S 3-4.

***Box Barberry (Thunbergii Minor.)**

—A very dwarf form of the Japanese Barberry. An admirable plant for low hedges, borders, edgings and foreground planting.

NEW RED LEAVED BARBERRY

B. thunbergii atropurpurea—In habit of growth and in fruiting it is identical with the popular Japanese Barberry, but its foliage as soon as it develops in early spring assumes a rich bronzy-red color, this coloring becomes more intense and richer during the hot summer months. Late in the autumn it takes on the varied brilliant high colors of the ordinary Japanese Barberry followed by the same brilliant scarlet berries which remain on the plant the entire winter. Each, \$1.00; 10, \$9.50.

HUDDLEIA VARIABILIS

VEITCHIANA

Butterfly Shrub, Summer Lilac

One of the most desirable summer flowering shrubs, beginning to bloom in July, it continues until cut by severe frost. The flowers are of a pleasant shade of violet mauve, and are borne in dense cylindrical spikes from 12 to 15 inches in length by 3 inches in diameter; it succeeds everywhere and flowers freely the first season planted. H 5-6, S 4-5.

The shrubs offered in this list are strong two and three-year-old Field Grown, 2 to 4 feet, depending on variety. Unless otherwise specified, price 85c each; \$7.50 per ten; \$65.00 per 100.



Deutzia Gracilis

CARAGANA

Siberian Pea Tree (C. sibirica)—Compound leaves bright green; numerous small clusters of yellow flowers. H 8-10, S 8, May and June.

*DOGWOOD (Cornus)

Red Siberian (C. sibirica)—Produces cream colored flowers in June light blue fruits, and bright red twigs and branches. H 6-8, S 6.

Golden Twig (C. stolonifera, Lutea)—Yellow stemmed. Clusters of white flowers, stems and branches are yellow.

CALYCANTHUS

Sweet Shrub (C. floridus)—An old-fashioned shrub known to everyone. Its flowers are deep reddish-brown, sweet-scented; deep green, glossy foliage, free from disease. H 5-6, S 4-5.

COTONEASTER

Simonsii—White, June. Semi-evergreen, quite erect. Leaves are dark green and usually adhere late in the season. Showy bright red fruit borne on the slender, erect branches all along the stems. H 6-7, S 5-6.

CYDONIA

Japan Quince (Japonica)—A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in the spring. H 4-5, S 5. Each, \$1.00; ten for \$8.50.

CURRANT (Ribes)

Anreum (Missouri Golden Currant)—Grows to a height of from 4 to 7 feet. Flowers fragrant and useful for cut-flowers. Cultivated for its many pretty, spicy, sweet-scented, bright yellow flowers in May, and its clean, attractive foliage and bright autumnal tints. H 4-5, S 5.

EXOCHORDA

Pearl Bush—Vigorous grower; dazzling white flowers in numerous terminal racemes. A narrow, upright shrub which prefers a moist, fertile soil. H 6-8, S 4, May.

EUONYMUS

Strawberry Tree (E. americana)—American Burning Bush. Very showy in autumn when loaded with scarlet seed pods, from which orange-colored berries hang on slender threads. H 8-10, S 6.

DEUTZIA

Hardihood, fine habit, luxuriant foliage and profusion of attractive flowers render this among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August.

Crenata (Rosaea Plena)—Double light pink; very desirable tall shrub. H 6-8, S 6.

Gracilis—A favorite dwarf bush, covered with spikes of pure white flowers. H 2-3, S 3.

Pride of Rochester—Fine, tall growing double white flowering variety. H 6-8, S 5, June.

FORSYTHIA (Golden Bell)

Fortunei—Strong, erect habit; bright golden-yellow flowers in early spring. H 6-8, S 6 April.

Weeping Golden Bell (F. suspensa)—Tall willowy growth, branches gracefully arching, covered with golden yellow bells. H 6 April.

FRINGE TREE

Smoke Tree Purple (Rhus Cotinus)—A conspicuous spreading shrub of small tree with large clusterly round leaves; overhung in midsummer by mist-like clouds of tiny flowers. These billowing panicles are a light lavender when fresh, very persistent, and give the impression of smoke at a distance. H 8-10, S 8. Each \$1.50.

White (Chionanthus virginica)—A very showy shrub, growing to large size; with large leathery, shiny leaves, and lace-like white flowers borne in gracefully drooping panicles. H 8-10, S 8. Each \$1.50.

HONEYSUCKLE BUSH (Lonicera)

The upright Honeysuckle have bright and pretty fragrant flowers, followed by showy berries that last through the fall. Make very desirable and attractive shrubs.

Tartarian (Lonicera tatarica)—Most popular of the bush varieties. Foliage dark glossy green, blooms in June. H 8-10, S 6-8. **Red, Pink, White.**

Winter Honeysuckle (L. fragrantissima)—Small, deliciously fragrant, white flowers tinged with yellow in the early Spring before the leaves appear. Holds its green foliage until midwinter. H 6, S 4-5, April.

Morrowi—A handsome Japanese variety with white flowers during May, but especially valuable for its bright and red fruit during the summer and autumn months. H 6-8, S 5-6.

*HYDRANGEA

Hills of Snow (H. aborescens grandiflora)—Snow white blossoms of largest size; flowering from early June until late July. H 3, S 3. Each, \$1.00; ten, \$8.50.

Paniculata grandiflora—Unsurpassed for lawn, hedge or cemetery planting; hardy in all localities, needs no protection in winter; blooms the first and every season in July and August and continues in bloom for two or three months; pure white to pink, and finally to a beautiful rich coppery red. H 5-6, S 5. Each, \$1.00; ten for \$8.50.

HYPERICUM

Prolificum—(St. John's Wort)—Bright yellow flowers are borne in branching terminal clusters. Narrow, lustrous dark green leaves cover the numerous compact branches. H 2-3, S 2-3 July.

KERRIA (Cochorus)

Japonica (Flore Plena)—Attractive golden yellow double flowers are borne continuously from June to October. H 4-5, S 3. Each, \$1.00.

*LIGUSTRUM (Privet)

Amurensis—Extremely hardy, upright grower, foliage glossy green, holds color until late. Each 50c; ten for \$1.25.

Vulgaris (English)—Leaves small dark green. White flowers in June, followed by black, shiny berries. Each, 50c; ten for \$1.50.

For Hedge Shrubs see page 18.

PHILADELPHUS (Mock Orange)

This old-fashioned sweet-scented shrub has long been a close rival of the lilac in popularity.

Garland Mock Orange (P. Coronarius)—This is a popular tall variety, refined and beautiful; large white flowers. H 6-8, S 4-6.

Large-flowered Syringa (P. Grandiflorus)—A very vigorous upright grower, attaining at times a height of 20 feet. Slender branches with an abundance of pure white, slightly fragrant flowers in June. H 8-10, S 8.

Rhus (Sumac)

Black or Shining Sumac (R. Copalina)—A shrub or small tree, at times growing to a height of 20 feet, with shiny dark green leaves which turn a rich crimson in the fall. H 15-20, S 6-10.

Staghorn Sumac (R. Typhina)—One of the most brilliant plants in Autumn, when the green foliage turns to red, and the showy red fruit is borne high above surrounding shrubs. H 10-12, S 6.

Shredded Sumac (R. Typhina laciniata)—The branches are hairy-like growth resembling the densely covered with velvety developing Elks Horn. Flowers in white panicles. Deeply serrated leaves whose deep crimson color and persistent crimson fruit makes it attractive for background. July H 10-12, S 6-8.

ROBINIA

Rose Acacia (R. Hispidia)—This leafy shrub is much appreciated because of the abundance of its large, pink, pea-like flowers. H 4-5, S 5. Each, \$1.00.

*ROSA RUGOSA

Rubra—4 to 5 feet high, foliage large, beautifully crinkled, color dark green. Flowers single, rosy crimson, orange-scarlet fruits.

Alba—Foliage and habits, like "Rubra," flowers pure white, followed by orange-colored fruits.

*SYMPHORICARPUS

Small shrubs much used in shaded places and in open masses. Grow in almost any soil; ornamental when covered with berries.

Snowberry (S. Racemosus) (B)—A graceful shrub, with slender branches. Flowers white or pinkish, in loose racemes, in summer. Abundance of snow-white berries during fall and winter. H 4-5, S 4.

Coral-Berry or Indian Currant (S. Vulgaris) (B)—A grand shrub, producing a wealth of red or purple berries which remain on the branches all winter. Leaves ovate, bright green H 4, S 3-4.

SAMBUCUS

Golden Leaved Elder (S. Canadensis Aurea)—The best of all the colored leaved shrubs. A plant of this bush in a bed, or a border on the lawn is a conspicuous feature, the foliage being as yellow as gold. H 6-8, S 5.



Kerria Japonica

SPIREAS

Of easy culture and rapid growth, and amply repay the grower in an abundance of beautiful flowers. Will grow in almost any moderately moist soil. As single specimens or in groups on the lawn they are unsurpassed.

Anthony Waterer—Dwarf, bushy, of spreading type, with large corymbs brilliantly colored rosy crimson. Very free flowering at its best in late summer. This is practically the best showy red flowered shrub sufficiently dwarf to be used in foundation plantings or the low front row of shrub groups. H 2-3, S 3.

Bridal Wreath (S. Van Houttei)—This is the most satisfactory shrub in cultivation. It is the best variety of Spireas. The bush is round and graceful with long, thin, arching branches. The white flowers are in clusters, and are so numerous that when in full bloom the bush resembles a snowdrift. H 6-8, S 6. May and June.

Double Bridal Wreath (S. Prunifolia)—One of the best; a beautiful shrub medium size, double white flowers in May. H 6-8, S 6.

Douglas Spirea (S. Douglassi)—Deep pink spikes of flowers in July and August, a delightful contrast against the white downy leaves. H 5-6, S 5.

Froebel (S. Froebel)—The bluish green leaves are purple when young. Deep rosy blooms are borne in abundance in the middle of summer, and over a long period. H 2-4, S 4.

Gumbertii—A graceful bush, beautiful at all seasons, with innumerable small white flowers. The tiny leaves turn to a brilliant orange-scarlet in the autumn.

Virginia Guelder Rose (Opulifolia Aurea)—Medium growth, golden-tinted foliage, large white flowers in June.

White Japanese (S. Calossa alba)—Similar to Anthony Waterer in habit and growth, but flowers are white.

TAMARIX

Amurensis—Strong, slender, tall-growing shrub of irregular habit, with feathery foliage and small, delicate flowers, borne profusely on gracefully-bending branches. The pink flowers are very attractive during May. H 8-10, S 6.

Gallica (French Tamarix)—The flowers are pinkish; blooms from July to August. H 8-10, S 6.

SYRINGA, OR LILAC

Purple (Common)—A tall growing shrub (8 to 15 feet) having large clusters of fragrant purple flowers in the Spring.

White Lilac—Similar in growth to purple variety.

Persian Lilac—Habit more open and branches more slender and drooping than the Common Lilac. Flowers light purple. Grows 6 to 10 feet. 2 to 3 feet, each, 85c; 2 to 4 feet, each, \$1.00.

Japan Lilac—Large branching panicles of flowers, a pink lilac tint. Late-flowering. Bushes are stockier, shorter, of slower growth and more tree-like than other types. In assortment: 2 to 3 feet—\$1.00 each; \$9.50 for ten.

French Tree Lilacs—We have the tree form of these wonderful shrubs in white, satiny rose and violet blue. Size 2-3 ft., \$1.75 each.

WEIGELAS

Eva Rathke—Considered the finest Weigela in cultivation, blooming continuously throughout the summer and autumn. The flowers are a rich ruby-carmine. H 4-5, S 5. Each, \$1.00.

Candidi—White flowering, flowering throughout the summer. H 6-8, \$8.00.

Rosca—A beautiful shrub with rose colored flowers. H 5-6, S 5.

VIBURNUM

Japan Snowball (V. Plicatum)—The perfect balls of pure white flowers are borne in great profusion in May. \$1.00 each. H 6-8, S 8.

High-Bush Crauberry (Opulus)—The white flowers in June are followed in autumn by bright scarlet berries, which are very attractive until late in winter. H 10-12, S 10. Each, \$1.00.

Common Snowball (V. Opulus Sterilis)—This bush, so widely known and loved, is one of the most popular of spring-blooming shrubs. Its flower clusters are ball like, pure white and produce no fruit or seeds. H 8-10, S 10. Each, \$1.00.

Nannyberry (V. Lentago)—Beautiful wrinkled, Lantana-like leaves; white flowers in May and June. Fruits color unequally from bluish crimson to black. H 12-15, S 10-12.



Philadelphus Coronaris

The shrubs offered in this list are strong two and three-year-old Field Grown, 2 to 4 feet in height depending on variety. Unless otherwise specified. Prices, 85c each; \$7.50 per ten; \$65.00 per 100.

Hedges, Screens and Windbreaks

For the border of the lawn, park or farm, there is dignity, privacy, seclusion and defense in well chosen, well maintained fence of shrubs. It is often desirable to screen objectionable views, outbuildings and neighboring properties. This can be done in a more effective manner and with greater improvement in the view by the use of ornamental plants of various kinds, than in any other manner. And for protecting the home or farm buildings from the sweep of bitter cold winds in winter, and from drifting snows, windbreaks and shelter belts of suitable plants frequently makes several degrees of difference in the temperature.

On varieties not detailed we can furnish special sizes, and shall be glad to quote quantity prices. Under this heading we include the Poplar, Willows, Locusts, Western Catalpa, Thorns, Russian Mulberry, Russian Olive, Spireas, Spruces and Arbor Vitaes. Correspondence solicited.

The deciduous shrubs most popular for Hedges we list below.

Althea (Rose of Sharon) (A)—When planted more compactly and occasionally pruned make serviceable and showy hedges. **Mixed Colors**—Special size 18-24 in. \$2.50 per ten; \$20.00 per 100.

Herberis Thunbergii (Japan Barberry)—Where a dwarf deciduous hedge is wanted, nothing equals this beautiful Barberry. It requires but little pruning to keep it in shape. The leaves are small, light green, and towards fall assume rich, brilliant colors, the fruit or berries becoming scarlet. It is used extensively throughout the country and is perfectly hardy. Special size, 1 to 1½ ft., packed in bundles of 10 or 25 at \$4.00 for 10; \$7.50 for 25; \$25.00 per 100.

Hardy Privet (Ligustrum)—This is, perhaps, the most popular of all the hedge plants. Being absolutely hardy, it increases in beauty with each successive year. To get best results, plants should be set 1 foot apart in double rows in zigzag fashion, so that the plants are diagonally opposite each other. This practically places them 6 inches apart, which is desirable to get quick, dense growth. May be planted from March to May, or from October to frost. 18-24 inch, ten for \$1.00; 50 for \$4.50; \$8.00 per 100; 2-3 feet, ten for \$1.25; 50 for \$5.50; \$10.00 per 100.

Rosa Rugosa—Perfectly hardy, 4 to 5 feet high, foliage large, beautifully crinkled, color dark green. Flowers single, rosy crimson, orange-scarlet fruits. Special 1-year size, \$4.50 per 10; \$40.00 per 100.

Hardy Ornamental Vines and Creepers

Your home, outbuildings, fences and trunks of old trees can be made very attractive by the use of hardy vines. Such permanent improvements add greatly to the value of your property, and the value increases from year to year. We furnish strong two year-old field plants at prices given below.

AMPELOPSIS ENGELMANII—New Virginia Creeper—

A new variety of American Ivy which has long been desired. It has shorter joints and very much smaller and thicker foliage. It also is better equipped with tendrils, by which it will climb walls of stone or brick as closely as the Boston Ivy. Will grow in almost any soil and withstand drought and heat well. Each 70c; ten for \$6.00.

AMERICAN IVY—Virginia Creeper or Woodbine (*Ampelopsis Quinquefolia*)—A strong, rapid grower; foliage large, dark green; in autumn, bronze and crimson. Valuable for covering back porches, outbuildings, arbors, etc. Perfectly hardy everywhere, and will grow in any soil and situation. Each, 60c; ten for \$5.00.

BOSTON OR JAPAN IVY—*Ampelopsis Veitchii*—One of the finest climbers for covering walls, as it clings firmly to the smoothest surface, covering it evenly with overlapping leaves, which form a perfect mass of foliage. The color is fresh deep green in summer, changing to bright shades of crimson and yellow in autumn. Each, 75c; ten for \$6.50.

BIGNONIA RADICANS—Trumpet Vine—Dark red, orange throat; free blooming, very hardy and rapid grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired, it will be found useful. Each 75c; ten for \$6.50.

CELESTRUS SCANDENS—Climbing Hitter Sweet—A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Each 75c; ten for \$6.00.



Clematis Jackmanii



Clematis Patenclata

CLEMATIS—Patenclata (Virgin's Bower)—This is hardy in all parts of the United States. The blossoms are pure white, very fragrant, and borne in great clusters or bunches, covering the plant almost completely, enough to hide the glossy, rich green foliage. Each 75c; ten for \$6.50.

CLEMATIS—Jackmanii—This is the best of all large flowering varieties. Color, a deep violet purple. A strong rampant grower succeeding well in all localities. Each \$1.00; ten for \$8.50.

HONEYSUCKLE—Halls Japanese—Remarkable on account of retaining its beautiful, glossy foliage most all winter, and covered with sweet, yellowish-white flowers most all summer. Each, 75c; ten for \$6.50.

HONEYSUCKLE—Scarlet Trumpet—This and its varieties are the handsomest in cultivation. It is a strong, rapid grower and produces scarlet, inodorous flowers. Each, 75c; ten, \$6.50.

IVY (English)—Valuable for covering graves. Grows well in shade. Each 75c; 10 for \$6.50.

KUDZU VINE—*Pueraria Thunbergiana* or Jack-and-the-Bean-Stalk—In rich soil will grow seventy feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and woolly. Fine for porches arbors, old trees, etc. Each, 75c; ten for \$6.50.

WISTERIA—Chinese Wisteria (*Wisteria Chinensis*)—A rapid growing tall vine with handsome foliage and flowers. Flowers pea-shaped, purplish, profusely borne in dense, drooping clusters 7 to 12 inches long, opening in midspring. Each, 85c; ten for \$7.00.

Chinese White Wisteria (*W. Var Alba*)—A form of above with pure white flowers. Each, 85c; ten for \$7.00.

ROSES

Our collection of Roses embraces over eighty varieties, covering almost every desirable type known to cultivation. Please refer to Regular Catalog for description and prices. We deliver in Spring only on Roses.

Evergreen Shrubs and Trees

Both Public and Home grounds should have some of these beautiful specimens to give that bit of color needed to set off the rest of the planting.

Planting season for spring from March 1 to May 15, for fall from about September 15 to November 15; depending on season and locality. We can secure selected specimens in many varieties on which we would be glad to quote prices on receipt of list, stating kinds, sizes and numbers wanted.

All Evergreen Trees will be carefully dug with ball of earth about the roots and tightly sewed in burlap and will stand transportation with little risk of loss. In planting it is not necessary to remove the burlap. Place tree in properly prepared hole, cut burlap in several places, firm earth tightly about ball of roots, water, and mulch.

ARBOR VITAE (Thuja)

American (White Cedar)—Erect, pyramidal habit, with soft bright green foliage, dense from ground up; grows rapidly and soon forms a most beautiful tree. Like other types of Arbor vitae, the American can be trimmed at will, or even closely sheared when sufficiently developed. 1½ to 2 ft., \$2.00; 2 to 3 ft., \$3.50; 3 to 4 ft., \$5.75 each.

Globosa—Forms a dense deep green, handsome globe 12-18 in., \$3.50. 18-24 in., \$5.00 each.

Pyramidalis—Most compact and erect of the entire species, in form almost a counterpart of the Irish Juniper. Foliage a deep green, retaining color. 18-24 in., \$3.75; 2-3 ft., \$6.00; 3 to 4 ft., \$8.00 each.

COTONEASTER

Franchetti—Spreading, drooping shrub, 5 to 6 ft., medium to large leaves; dark green with bronzy-silver reverse. Pinkish-white flowers followed by well scattered, orange-red berries of good size. 18-24 in., \$2.00; 2-3 ft., \$2.50.

Horizontalis—Low, flat, spreading, bright glossy green, very attractive. Covered in April with masses of tiny pink flowers and in the fall with minute, brilliant scarlet berries. The foliage also turns scarlet and it is practically deciduous in winter. 18-24 in., \$2.00.

EUONYMUS

No collection of plants nor landscape effect is quite complete without beautiful plants. Admirably useful and attractive when used in groups, edgings, hedges, corner plantings and in rockeries.

Japanese (E. japonicus)—Fine, upright shrub of moderate size and rather compact growth. Foliage and bark are clear, dark green. Balled, 1-2 ft., \$1.75; 2-3 ft., \$2.50; 3-4 ft., \$4.50.

Silver Variegated (E. japonicus albo variegatus)—Of strong, erect growth. Branches very light green. Leaves almost white around edges, changing to yellow as season advances. Balled, 2-3 ft., \$3.00; 3-4 ft., \$4.50 each.

Golden Variegated Euonymus (E. japonicus aureus variegatus)—Branches green; leaves yellow in center, dark green around edges. Color about equally divided. Occasional leaves either all yellow or green. Balled, 12 to 18 in., \$1.75; 2 to 3 ft., \$3.00; 3 to 4 ft., \$4.50.

PINE (Pinus)

Mugho (Dwarf Pine)—Leaves short, stiff and formal, thickly distributed in tufts over the branches in a crowded way somewhat similar to Austrian, with an equal depth and richness of color; globular form. 15-18 inches, \$5.50 each.



Silver Blue Cedar

JUNIPER (Juniperus)

Irish—Erect, slender and formal in habit; foliage sage green, very compact; making a splendid column, sometimes 15 to 20 feet high; much used in cemeteries. 2-3 ft., \$4.00; 3-4 ft., \$6.00 each.

Red Cedar (J. Virginia)—This is the well known native tree, so much appreciated where the softness in appearance is required in the landscape effect. 2 ft., \$3.00; 3 ft., \$4.50; 4 ft., \$6.00; 5 ft., \$7.50; 6 ft., \$10.00 each.

Silver Blue Cedar (J. Virginia (Glauca))—The entire young growths of this beautiful variety, are silvery-white which changes as they develop to an attractive bluish green. Price 2 ft. \$4.00; 3 ft. \$6.00; 4 ft. \$8.00; 5 ft. \$10.00.

Pfitzer Juniper (J. Chinensis Pfitzeriana)—One of the handsomest of the semi-dwarf creeping junipers. Of billowy form and elegant appearance. 1½-2 ft. spread, \$5.00; 2-3 ft. spread, \$7.00.

Waukegan—A highly developed selection from **Sabina Prostrata**; ground-covering, closely compact. The beautiful silvery blue color assumes a rich purple hue with the first autumn frosts. 1½-2 ft., \$6.00; 2-3 feet spread, \$7.50.

PYRACANTHA (Firethorn)

Burning Bush, P. coccinea (Lalandii)—Deservedly popular on account of its clean, upright growth, bearing a great profusion of small flowers in flat corymbs, followed by a mass of orange-red berries in early fall (which remain on the plant until spring) firm green foliage. It is closely allied to the Cotoneasters, but is easily distin-

guished because of its crenulate leaves and thorny branches. Attains height of 10 feet, but can be trimmed to any lower height desired. 1½-2 ft., \$1.50 each; 2-3 ft., \$2.00 each; 3-4 ft., \$3.25 each.

MAHONIA

Aquifolia (Oregon Grape of Holly-leaved Ashberry)—A beautiful evergreen shrub, with smooth shining holly leaves; bright yellow flower clusters in May, and blue berries. The leaf color varies capriciously throughout the year, assuming all shades of green, with flecks of red and bronze. Associates well with dwarf and medium shrubbery, of special value in shady locations. 12-18 inches, \$1.75 each; 18-24 inches, \$2.50; 2-3 ft., \$3.50 each.

SPRUCE

Colorado Blue Spruce (Picea Pungen Glanca)—A most beautiful variety discovered and disseminated from the Rocky Mountains; it is the rarest blue of any evergreen; very distinct in foliage and growth; fine, compact habit. In great demand as a lawn tree where fine specimens are established proving it the best of all evergreen trees for the lawn. 1½-2 ft., \$5.00 each; 2-3 ft., \$7.50; 3-3½ ft., \$9.50 each.

Colorado Spruce (Picea Pungens)—Similar to above except foliage is light green color. 1-2 ft., \$3.50; 2-3 ft., \$5.00; 3-4 ft., \$7.50.

Engelmanni—Makes fine symmetrical specimens. Under side of leaves light blue. 2-3 ft., \$5.50; 3-4 ft., \$8.00.

Norway Spruce (P. excelsa)—A compact, symmetrical tree; the branches assuming a graceful, drooping habit with age. Cones very large. Foliage light green in this climate. Extremely hardy and of rapid growth. The original Christmas tree of northern Europe. 1½-2 ft., \$3.00 each; 2-3 ft., \$4.50; 3-4 ft., \$6.00 each.



Colorado Blue Spruce

Ornamental Trees

A city street is not attractive unless softened by the foliage and branches of trees. They shelter the home from excessive heat and dust, add charm to the finest buildings and hide the untidy and unsightly places. There is nothing that adorns a city more than fine shade trees, and the effect is much better when only one kind of a tree is planted on the same street, or at least, on the same block.

Prices are for different sized trees, all f. o. b. our Nurseries or Salt Lake City, and in all cases good value will be given, according to price charged. Ten per cent discount on orders of 5 trees or more of one variety and size. Special prices made on lots of 100 up.

ASH—American White—A rapid growing native tree of fine symmetrical outline. A valuable street or park tree. Timber is largely used. Price, 6-8 ft., \$1.00 each; 8-10 ft., \$1.75 each.

ASH—Green—Shapely round top with dark green foliage. Price 6-8 ft., \$1.50 each; 8-10 ft., \$2.00 each.

ASH—Blue—Very shapely symmetrical tree for Park or Avenue. Bark smooth of deep bluish green. Leaves larger than other varieties of Ash, deep green changing in autumn to reddish purple. 6-8 ft., \$2.00; 8-10 ft., \$2.50.

ASH—European Mountain (Sorbus Aucuparia) (Rowan Tree)—Handsome small tree of erect growth. Leaves pinnate, leaflets serrate. Flowers white, in flat clusters, four or five inches broad, followed by rather large, red berries. Very handsome at any season. 6-8 ft., \$2.00 each; 8-10 ft., \$3.00 each.

BIRCH (Betula Alba) European White Birch. T—Of which Coleridge says "Most beautiful of forest trees, the lady of the woods." 6-8 ft., \$2.25 each; 8-10 ft., \$2.75 each.

BIRCH—Cut-Leaved Weeping—The main trunk, with snow-white bark, grows straight as an arrow. Branches spread but slightly, while the fine slender shoots hang vertically. The foliage is fine and deeply cut. 6 to 7 ft., \$3.25 each; 7 to 8 ft., \$4.00 each.

CATALPA Bungei (Umbrella Tree)—These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for landscape designing especially for formal effects. One year head, \$2.00; two year old heads, \$2.50.

CATALPA Speciosa (Western Catalpa)—Rapid grower producing large panicles of fragrant flowers, delicately marked with violet and yellow. 6-8 ft., \$1.50 each; 8-10 ft., \$2.00 each.

CRAB (Bechtels Double Flowering)—Most beautiful of all the flowering Crabs; hardy, of medium size covered in early spring with large, beautiful double, fragrant flowers, resembling small roses of a delicate pink. Ideal for a small yard. 3-4 feet, \$1.50 each; 4-6 feet, \$2.00 each.

ELM American (Ulmus Americana)—Tall and stately with a graceful, wide-spreading form vase-like, densely covered with a rich, bright green foliage. 6-8 ft., \$2.00 each; 8-10 ft., \$3.00.

ELM English (Ulmus Campestris)—A native of Europe; a noble rapid-growing tree, forming a dense head; a desirable tree for streets, avenues, etc. 6-8 ft., \$2.00 each; 8-10 ft., \$2.75 each.

ELM—Moline—The young tree is very rapid and erect in growth, in shape somewhat like a Lombardy Poplar, with leaves often 6 inches across. The older trees become more spreading with more nearly horizontal branches. 6-8 ft., \$2.25 each; 8-10 ft., \$3.00 each.

ELM—Camperdown—Weeping—Always top grafted. Limbs grow outward and downward, giving the tree a remarkably picturesque aspect. 2 yr. heads, \$4.25 each.

ELM—New Chinese or Siberian (Ulmus Pumila)—This new introduction is a clean fast grower, free from disease and pests. Thoroughly hardy and vigorous under most

trying soil and climatic conditions. Its resistance to drought, alkali, and extreme temperature makes it very valuable for our Western conditions. 3-4 ft., \$1.50 ea.; 4-6 ft., \$2.00; 6-8 ft., \$2.50.

GOLDEN CHAIN (Cytisus Laburnum)—A smooth and shining foliage. The name Golden Chain alludes to the length of the drooping racemes of yellow flowers, which appears in June. 4-6 ft., \$1.50 each; 6-8 ft., \$2.50.

HORSE CHESTNUT, European—Showy foliage; white flowers in upright panicles. 5-6 feet, \$2.00 each; 6-8 feet, \$3.50 each; 8-10 ft., \$4.50.



Catalpa Bungei

LINDEN, American (Tilia Americana)—Basswood. Shapely trees, with large handsome foliage. Flowers creamy-white and very fragrant. 6-8 ft., \$3.00; 8-10 ft., \$4.00 each.

LINDEN, European (Lime Tree)—Pyramidal shape, smaller foliage than American Linden, white flowers in June. 6-8 ft., \$3.00; 8-10 ft., \$4.00 each.

LOCUST, Black—6-8 ft., each, 60c; 8-10 ft., \$1.00; 10-12 ft., \$2.00.

LOCUST, Honey—6-8 ft., each, \$1.00; 8-10 ft., \$1.50.

LOCUST—Globe. Unusually attractive; forms round headed tree—without trimming. 2 year heads, \$3.50.

Mulberry, Russian—Rapid growth; round headed, profuse foliage; used to attract birds. 6-8 ft., \$1.50 each; 8-10 ft., \$2.50 each.

Mulberry Tea Weeping—The long, slender, drooping branches of this tree give it a very unusual and much admired appearance. Prized for lawn planting. 2 year heads, \$3.75.

OLIVE—Russian—Its foliage is of a remarkable silvery hue, showing up in striking contrast to that of the green of other shrubs or trees. It is admirable for tall backgrounds where unusual color tones are desired. It also is useful for hedges, either trimmed or untrimmed. 5-6 ft., \$1.00 each; 6-8 ft., \$1.50 each.

MAPLE Ash-Leaved or Box Elder (Acer Negundo)—A fine, rapid-growing avenue tree; withstands both cold and drought. 6-8 ft., \$1.00 each; 8-10 ft., \$1.50 each; 10-12 ft., \$2.00 each.

MAPLE Silver (Dasycarpum)—A large tree with wide-spreading branches and drooping branchlets. Very fast grower, makes dense shade and thrives in any soil. 6-8 ft., \$1.00 each; 8-10 ft., \$1.50 each; 10-12 ft., \$2.50 each.

MAPLE Norway (Plantanoids)—A large handsome tree, of spreading rounded form, with shiny, deep green foliage. Usually very symmetrical. One of the most desirable species for the street, park or lawn. 5-6 ft., \$1.50; 6-8 ft., \$2.00; 8-10 ft., \$2.50; 10-12 ft., \$3.50 each.

MAPLE Schwedleri—Red and purple contrasts brightly with the delicate green of other trees. In mid-summer they are purplish green, in autumn golden yellow. 6-8 ft., each, \$3.50; 8-10 ft., \$4.50 each.

JUDAS TREE (Cercis)—Striking ornamental trees loaded with a mass of pea-shaped pink blossoms in early spring, before the leaves appear. 3-4 ft., \$1.75; 4-5 ft., \$2.00 each.

PLANE (Oriental Plane or European Sycamore)—One of the finest trees for street or lawn, with fine, straight trunk, handsome symmetrical head and beautiful foliage. 6-8 ft., \$3.00; 8-10 ft., \$4.00 each.

POPLAR (Bolleana)—A tall columnar rapid growing hardy tree. Leaves triangular, the borders serrate, glossy green above and silvery beneath. 6-8 ft., 75c each; 8-10 ft., \$1.00 each; 10-12 ft., \$1.50 each.

POPLAR (Carolina Poplar)—Of rapid growth. Very desirable when quick shade is wanted. 4-6 ft., 25c; 6-8 ft., 50c each; 8-10 ft., 75c each; 10-12 ft., \$1.00 each.

POPLAR Lombardy (P. nigra italica)—Grows to a great height; narrow and columnar. Forms a strong contrast with most other trees, hence of great value in landscape work. 10-12 ft., \$1.75 each; 8-10 ft., \$1.25 each; 6-8 ft., \$1.00.

FLOWERING PLUM, Purple-Leaved—Covered in early spring with beautiful white flowers, later with wine-red fruits. 3-4 ft., \$1.00 each; 4-6 ft., \$2.00.

TREE OF HEAVEN, Ailanthus glandulosa—A rapid growing, lofty tree, long, elegant foliage. Exempt from disease and insects. Useful tropical effects, withstands dust and smoke better than most any other tree. 4-6 ft., \$1.50 each; 6-8 feet, \$2.00 each; 8-10 feet, \$2.50 each.

TULIP TREE (Liriodendron tulipifera)—Tall, pyramidal habit; bluish green, glossy, fiddle-shaped leaves; flowers tulip-like, greenish yellow. 5-6 ft., \$2.00 each.

THORNE, Double Flowering Hawthorne Crataegus Oxyacantha fl. pl.—The double form of the fragrant English Hawthorne; flowers in May and June. Double pink, double red, 4-6 ft., \$2.00 each.

WILLOW American Black (Salix nigra)—Hardy under most trying situations, thrives best where soils are moist and water plentiful. 6-8 ft., 65c; 8-10 ft., 85c.

WILLOW, Golden—6 to 8 ft., each, 75c; 8 to 10 ft., each, \$1.00.

WILLOW—Babylonica, Weeping—6-8 ft., \$1.25 each; 8-10 ft., \$1.75 each.

WILLOW Pussy (Salix discolor)—A large shrub or small tree, very popular for all ornamental purposes because of the attractive catkins formed on the branches in early Spring. 4-6 ft., 75c; 6-8 ft., \$1.25 each.

Fruit Trees

At our Centerville Nurseries we have a particularly fine lot of strong, healthy fruit trees. This stock has been selected and critically grown to meet the requirements of orchardists planting for eastern or local markets. We believe, also, those of our patrons who are planting a small orchard for home use will find sufficient variety to amply fill every want in the fruit line. Refer to our Annual Catalog for more detailed information and full descriptions. Detailed planting and cultural directions, free with each order. Ask for them. Our trees are very carefully graded to size and height but in determination of grade the Caliper usually governs.

Ordinary seasons we are able to deliver fruit and ornamental trees the latter part of October. In sections where ground freezes up early, we advise Spring Delivery.

APPLES					
Height	Caliper	Each	10 to 20 Ea.	20 to 40 Ea.	40 to 100 Ea.
5 ft. up	12/16 up	85c	70c	50c	45c
4 ft. up	9/16-11/16	65c	55c	45c	35c
3½ ft. up	7/16-9/16	50c	45c	35c	30c
2½ ft. up	5/16-7/16	35c	25c	22c	20c

Summer Varieties—Red Astrachan, Early Harvest, Maiden's Blush, Yellow Transparent, Red June.

Autumn Varieties—Gravenstein, Twenty-Ounce Pipin, Wealthy, Wolf River.

Winter Varieties—Arkansas Black, Bellefleur, Delicious, Gano, Grimes' Golden, Pinin, Jonathan, Mam, Black Twig, N. W. Greening, Winesap, Winter Banana, Pearmain, McIntosh, Red.

Crab Apples—Hyslop, Transcendant, Siberian.

Small orders of available sizes sent Parcel Post where more convenient.

APRICOTS					
Height	Caliper	Each	10 to 20 Ea.	20 to 40 Ea.	40 to 100 Ea.
5 ft. up	12/16 up	\$1.00	75c	65c	60c
4 ft. up	9/16-11/16	65c	60c	55c	50c
3 ft. up	7/16-9/16	55c	50c	45c	40c
2 ft. up	5/16-7/16	50c	40c	35c	30c

Varieties—Moorpark Royal, Superb, Chinese.

CHERRIES					
Height	Caliper	Each	10 to 20 Ea.	20 to 40 Ea.	40 to 100 Ea.
5 ft. up	12/16 up	\$1.15	\$1.00	85c	75c
4 ft. up	9/16-11/16	1.00	.85	75c	65c
3 ft. up	7/16-9/16	.85	.75	65c	60c
2 ft. up	5/16-7/16	.70	.60	55c	50c

Varieties—Bing, Black Tartarian, Lambert, May Duke, Montmorency, Napoleon, Richmond, Windsor, Yellow Spanish.

QUINCES
Champion Orange Quince—Standard Size—\$1.25 ea.

NECTARINES
Boston—Bright yellow. Standard Size—Each, \$1.00; \$9.00 per 10. Mail Size—Each, 85c; \$7.50 per 10.

PEACHES					
Height	Caliper	Each	10 to 20 Ea.	20 to 40 Ea.	40 to 100 Ea.
5 ft. up	12/16 up	75c	65c	55c	45c
4 ft. up	9/16-11/16	65c	55c	45c	35c
3 ft. up	7/16-9/16	55c	45c	35c	30c
2 ft. up	5/16-7/16	45c	35c	30c	25c

Varieties—Alexander, Crawford, J. H. Hale, Elberta, Health Cling, Carman, Red Blrd, Orange Cling, Mayflower, Dals' Cling.

PEARS					
Height	Caliper	Each	10 to 20 Ea.	20 to 40 Ea.	40 to 100 Ea.
5 ft. up	12/16 up	80c	70c	60c	50c
4 ft. up	9/16-11/16	70c	60c	50c	40c
3 ft. up	7/16-9/16	65c	55c	45c	40c
2½ ft. up	5/16-7/16	55c	45c	35c	30c

Varieties—Bartlett, Beurre d'Anjou, Keiffer, Flemish Beauty, Clapps' Favorite, Seckel, Parish Favorite, Winter Nellis.

PLUMS AND PRUNES					
Height	Caliper	Each	10 to 20 Ea.	20 to 40 Ea.	40 to 100 Ea.
5 ft. up	12/16 up	80c	70c	60c	50c
4 ft. up	9/16-11/16	70c	60c	50c	45c
3 ft. up	7/16-9/16	65c	55c	45c	40c
2½ ft. up	5/16-7/16	55c	45c	40c	35c

PLUMS—**Varieties**—Burbank, Bradshaw, Satsuma, Yellow Egg, Lombard, Damson, Reine Claude, Abundance, Jefferson, Green Gage, Kelsey.

PRUNES—**Varieties**—French Hungarian, Italian.

NUT TREES
Soft Shell Almonds—I. X. L., each \$1.00; \$9.00 per 10.
American Black Walnut—6-8 ft., \$2.00 each; \$15.00 per 10.

Utah English Walnuts—Hardy in any section or situation where apricots and peaches can be grown.
4-6 feet—Each \$1.50; \$12.00 per 10, charges prepaid.
6-8 feet—Each \$2.50; \$20.00 per 10, prepaid.
8-10 feet—Each \$3.00; \$25.00 per 10, prepaid.

Small Fruits and Berries

The splendid adaptability, both as to soil and climate of the Mountain States to the culture of "Small Fruits," makes it a great wonder there hasn't been larger plantings. The wise man will awake to the possibilities along this line. For more detailed information and descriptions, see our Annual Catalog.

BLACKBERRIES
Price—Each, 15c; ten, \$1.00; 50, \$4.50; 100, \$8.00; \$70.00 per 1000.
Varieties—Early Harvest, Willson, Mersereau, Rathbun.

CURRENTS
Price—Each 30c; ten, \$2.50; 50, \$8.00; 100, \$15.00.
Varieties—Fay's Prolific, Perfection Red, Black Native, Red Cherry, Wilder, White Grapes, Lee's Prolific.

DEWBERRIES
Lucretia—Each, 15c; ten, \$1.00; 50, \$4.50; 100, \$8.00; 1000, \$70.00.

GOOSEBERRIES
Price—Each, 30c; ten, \$2.50; 50, \$8.00; 100, \$15.00.
Varieties—Oregon Champion, Downing, White Smith (Smith's Improved), Columbus.

GRAPES
Concord—Each 25c; ten, \$2.00; 100 \$12.00; 1000, \$75.00.
Niagara, Moore's Early Agawam, Worden—Each, 30c; 10 for \$2.50; 100, \$15.00; 1000, \$100.00.
European Varieties—Flame Tokay, Muscat, Thompson's Seedless, Each, 30c; ten, \$2.50; 100, \$15.00; 1000, \$100.00.
European Varieties are quoted for Spring delivery only.

LOGANBERRIES
Each, 30c; ten, \$2.50; 50, \$8.00; 100, \$15.00.

RASPBERRIES
Red Varieties—Cuthbert, Loudon, Marlboro.
Price—Each, 15c; 10 for \$1.25; 50, \$4.00; 100, \$7.50; 1000, \$60.00.
Black Varieties—Gregg, Cumberland, 20c each; \$1.50 per 10; 50, \$5.50, 100, \$10.00.
St. Regis Everbearing—Same price as black varieties.

STRAWBERRIES
Aroma (Leading Shipper)—25, 30c; 50, \$1.50; 100, \$2.25; 1000, \$15.00.
Clude and Marshall—25, 60c; 100, \$1.75; 500, \$5.50; 1000, \$10.00.
Mastodon Everbearing—25, \$1.00; 50, \$1.75; 100, \$2.50; 500, \$10.00; 1000, \$18.00.
Superb Everbearing—25, 90c; 50, \$1.20; 100, \$2.25; 500, \$8.50; 1000, \$15.00.

Poultry Supplies

We carry a full line of the leading up-to-the-minute Poultry Foods, Remedies and General Supplies. Feeders, Non-Freeze Drink Founts, Hoppers; in fact, everything required by the progressive poultryman. Ask for latest "Price List to Poultrymen." Special correspondence is invited on quantities; we can save you money.

P.-W.'S BABY CHICKS

The regular utility grade of **Baby Chicks** that we offer are the product of free range flocks, pure bred, of standard type, carefully culled, and selected for their performance as layers. These flocks have been developed and maintained for years especially for the production of our **Baby Chicks**. They are the very highest quality of flock matings.

We are now booking orders for Fall and Early Spring delivery. Write us for special prices naming quantity, breed and time delivery is desired.



BOOK ON DOG DISEASES-AND HOW TO FEED-FREE

- Mange Remedy (Oily dark color)—For skin disease . . . \$0.60
- Distemperine, liquid (tablets)—For distemper60
- Condition Pills with Pepsin60
- Blood Purifying and Cooling Pills—For Eczema, etc.60
- Laxative Pills—Keep the bowels right60
- Worm Pills—For the expulsion of worms60
- Vermifuge—liquid—for worms, all ages and breeds60
- Canker Lotion—liquid (tablets). Canker, deafness, etc.60
- Puppy Tonic—Weak puppies, relieve colic60
- Diarrhoea Remedy—liquid (tablets)50
- Collie Dog Wash and Disinfectant—For fleas . .60
- Killflea—(Dog Soap)25
- Skin Medicine—(Colorless) For skin diseases . .60
- Cough Remedy—For coughs and colds60
- Digestive Tablets—For all forms of indigestion
- Little Red Worm Bullets—For toy puppies and toy dogs60
- Ghorca Tablets60

Dog Supplies

- Killflea Powder—For dogs and cats, per can35
- Tape Worm Expeller—Especially prepared for tape worm60
- Fit Remedy, liquid (tablets)—For fits and convulsions60
- Barnes' Vita-Tone—Controls worms50
- Spratt's Catnip Mice15
- Dog Collars, various sizes and styles, each 50c up to1.25

DOG FOODS

Note: Add postage on all sizes if wanted by parcel post. Allow a little extra for weight of packing.
Dog Biscuits (Meat Bone)—A properly balanced and constant food for dogs. (Bulk) 1 lb., 20c; 2 lbs., 35c; 5 lbs., 85c; 10 lbs., \$1.60; 25 lbs., \$3.50; 50 lbs., \$6.75; 100 lbs., \$13.50.

PUPPY FOODS

Puppy Biscuits (Nut Bone)—A perfect food for puppies. Puppies should be put on these when about two to three months old and continued until about six months old. (Bulk) 1 lb., 20c; 2 lbs., 35c; 5 lbs., 85c; 10 lbs., \$1.60; 25 lbs., \$3.50; 50 lbs., \$6.75; 100 lbs., \$13.50.

Circles or Ovals—Miniature oval cakes for puppies and dogs. Ideal pocket size. (Bulk) 1 lb., 20c; 5 lbs., 90c; 10 lbs., \$1.70; 100 lbs., \$14.00.

Pup-O—Granulated for puppies, for young puppies, shy feeders or those recovering from sickness. (Bulk) 1 lb., 25c; 5 lbs., 95c; 10 lbs., \$1.80; 100 lbs., \$15.00.

Gold Fish and Supplies

GOLD FISH

- Small Fish about 2 in. long; each \$0.25
 - Medium Size, 2½ to 3 inches long; each 35c to50
 - Large Size, 3½ to 4 in. long; each 50c, 75c and1.00
 - Fan Tails, according to size, each, 50c 75c and1.00
 - Tin Pails, for use when shipping fish, are sold at about cost; quart, 15c; 2-quart, 20c; 3-quart, 25c; gallon, 35c; 2-gallon50
- Fish must travel by express. Customers pay expressage. Pamphlet on Care of Gold Fish FREE with each order.

AQUARIUM SUPPLIES

- Fish Food, Imported, Rice Wafer \$0.20
- Fish Moss, in bunches, tied with lead; when in stock per bunch 20c; 2 for35

- Dip Nets—4 in. diameter, 13½ in. handle, each . . \$0.35
- Grottoes, similar to Castles; small, 2½ inch high; each35
- Castles, 3 inches high; for ½-gallon Globes, each . .40
- Castles, 4 inches high; for 1-gallon Globes, each . .50
- Castles, 6 inches; for 3-gallon Globes, each65
- Fancy Small Sea Shells, assorted20

FISH GLOBES—Heavy Glass (By Express or Freight)

- 1-quart size; round Globes; each \$0.35
- ½-gallon size; round Globes; each60
- 1-gallon size; round Globes; each1.00
- 1½ gallon size; round Globes; each1.25
- 2-gallon size; round Globes; each1.75

Fertilizers for Lawn and Garden

Ground Bone-Meal—An excellent fertilizer for all gardening purposes. Should be forked in the soil in the fall if possible. 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50.

Fish and Meat Meal—Very much in demand for celery, lettuce and other garden crops. 25 lbs., \$1.25; 100 lbs., \$4.50. Write for quantity prices.

"Plant Life" Lawns Special No. 1—This is a Mixture especially for the lawn. One 25-pound bag will cover a space of lawn 30x40 or 1,200 square feet, though later applications will give increased results. 10-oz. carton, 25c; 10-lb., 90c; 25 lb., \$2.00; 50 lb., \$3.50; 100 lb., \$6.00.

Stim-U-Plant—An All-the-Year Fertilizer for Garden and House Plants. An odorless, highly concentrated plant-food in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash. Price, 10 tablets for 15c; 30 tablets for 25c; 100 for 75c; 1000, \$3.50.

Sulphate of Ammonia—Apply 100 to 150 lbs. per acre. Use only after plants are above ground. If used in liquid form dilute 2 oz. to 1 gal. of water and do not apply oftener than twice a week. 5 lbs., 60c; 25 lbs., \$1.75; 100 lbs., \$5.50.

NEW WHIZZ FERTILIZER—"New Whizz" fills a long felt want for rebuilding fertility in run down and poor soils. The formula for Whizz was carefully worked out by one of the leading Soil Experts of the West. It is scientifically right and its practical value has been fully proved. It not only contains the desired chemical elements so essential but these are combined with organic humus materials in such a manner to insure their being properly assimilated and taken up by plant life.

In the application of "Whizz" the soil is enriched not alone by the plant food elements in the fertilizer itself but also by chemical elements already in the soil heretofore insoluble, which, are now rendered available by the action of the materials contained in this meritorious new Fertilizer.

For lawns use at rate of three to five pounds per hundred square feet; it is so finely pulverized that it can be sown similar to seed.—After applying sprinkle immediately with water.

Prices 25 lbs., \$1.00; \$3.50 per 100 lbs. Write for prices on ton lots.

Unless otherwise specified prices on all Fertilizers are f. o. b., Salt Lake. If desired by mail add Postage to order.

Bird Supplies and Canary Birds

CANARY BIRDS

Every singer we sell is known by us to be a singer. We do not send out on trial or exchange birds. State the amount you wish to pay and leave the selection to us. All birds are graded as to singing qualities and range of notes.

Hartz Mountain Strain—These are the popular singers and usually are mixed in plumage. Considered the most vigorous. Price ranges from \$6.00 to \$10.00 each depending on range and quality of song.

St. Andreasburg Rollers—With the wonderful soft-toned rolling notes. \$10.00 to \$15.00 each depending on song.



BIRD FOOD AND REMEDIES	
Postpaid Prices	
Bird Manna , in cakes ready to attach to edge, each	\$0.20
Bird Bitters , Iron Tonic, per bottle	.25
Bird Salve , small size can	.25
Bird Books , Raising and Care of Canaries	.40
Bird Cage Disinfectant	.25
Bird Biscuit	.10
Bird Ointment	.30
Canaradyne , wheezing and Asthma, per bottle	.25
Coloring Pepper	.25
Egg Flake and Fruit , Spratt's excellent food, pks.	.30
French's Bird Seed and Bisenit , 10 oz. pkg., each	.25
French's Canary Exercise Balls	.25
Lice and Mite Powder , large size without guns	.25
Lice and Mite Powder , with guns	.25
Leg Bands for Birds , numbered; per doz.	.25
Mexican Salve , for sores, package	.25
Mite Powder , in Bags	.20
Nesting Food , Spratt's, package	.30
Orange Color Food	.25
Parrot Food , mixed for parrots, 12-oz. pkg.	.30
Pollierackers , special biscuit for parrots, 12-oz. carton	.30
Song Restorer , valuable tonic	.25

BIRD SEED, ETC.

Not Prepaid, add postage if by mail	
	Lb.
Canary Seed, re-cleaned imported, 2 lbs., 35c.	\$0.20
Cuttle Bone , 5c a piece, ¼ lb. 30c.	1.00
Flax Seed , medicinal laxative, ½ lb. 15c.	.25
Hemp Seed, re-cleaned imported, 2 lbs. 25c.	.15
Maw Seed (Poppy), re-cleaned imported, ¼ lb. 15c.	.40

Spray Your Trees and Shrubs This Fall

Most people do not realize the importance of Dormant Spraying. As soon as leaves fall spray thoroughly with a good Dormant Spray.

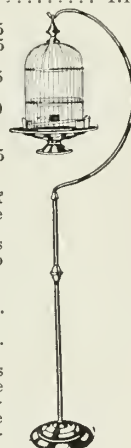
Miscible Oil—The "Certain Death" to scale insects and destroys Brown Mites and Apple Leaf Roller Eggs and controls Canker Rot, Root Rot, Twig Blight, and many other fungus diseases.

Price—One-quart can, 65c; shipping weight, 3 lbs., 1 gallon can, \$1.25; shipping weight, 11 lbs.; 5 gallon can, \$5.00; 30 gallon barrel, \$22.50; 50 gallon barrel, \$30.00.

	per lb.
Millet Seed, large yellow, 2 lbs. 25c.	.15
Oats, steel cut, special bird size, 2 lbs. 25c.	.15
Rape, Bird Sweet Imported, 2 lbs. 35c.	.20
Sunflower Seed, 2 lbs. 35c.	.15
Thistle Seed, ¼ lb. 20c.	.60
P.-W.'s Special Mixed Bird Seed, 2 lbs. 35c.	.20
Bird Sand, Silver White, 2 lbs. 15c.	.10
Bird Sand, Red, 2 lbs. 15c.	.10
French's Parrot Food, 1 lb. package	.30
French's Bird Seed and Bisenit, 10 oz. pkg., each	.25

CAGE EQUIPMENT

Cage Charm Bells , tiny bells to hang on cage, each	\$0.10
Perches , all lengths, plain wood; give size wanted, each	.15
Seed and Water Cups , "Single Point" opal, porcelain, also glass, either 2 for 35c; each	.20
Seed and Water Cups , open top, "Tulip Cup," opal, porcelain, also glass, either 2 for 35c; each	.20
Seed and Water Cups , closed top, "Shell," opal, porcelain, also glass, either 2 for 35c, each	.20
Canary Cups 2 inches diameter small, round, opal 3 for 35c; each	.15
Cuttle Bone Holder , Hendrix No. 1, to hold small piece in place	.15
Bath Dishes , porcelain, oval shape, medium size; 2 for 45c; each	.25
Bath Dishes , glass, oval shape, medium size; 2 for 35c; each	.20
Bath Houses , glass sides, fits to side of cage; each	1.15
Bird Cage Nests , wire cloth, 4 inches diameter; 2 for 45c; each	.25
Nesting Hair ; per package	.15
Cage Springs , single, with 2-ft. ladder chain, adjustable; each	.25
Cage Spring , double coil, brass, prevents cage swinging; each	.40
Cage Bracket , brass plated heavy, swinging No. 7 wire; 12-inch; each	.35



BIRD CAGES

Brass Cages—Splendid assortment of sizes and styles. The prices range from \$3.00 to \$15.00 each.

Japanned Cages—In assorted styles and sizes. Prices range from \$2.50 to \$7.50 each.

Traveling Cages—75c each.
Breeding Cages—Assorted sizes. Prices from \$5.50 to \$7.50 each.

Bird Cage Stands—Brass 5 ft. 7 in. high, \$5.00.

The above prices quoted on cages merely indicate the approximate range of values. If you will tell us when ordering the amount you wish to pay we will guarantee to supply full and satisfactory values for amount remitted.

Lime-Sulphur (Dry Form)—A good remedy for scale; also an excellent fungicide, a very effective dormant spray for trees and shrubs. 1 lb., 25c; 5 lbs., 85c; 10 lbs., \$1.50; 25 lbs., \$3.25; 50 lbs., \$6.00; 100 lbs., \$11.00.

See Spring Catalog for Spray Pumps, and other Spraying Materials. We carry a complete line.

BEAUTIFY YOUR HOME

No other investment man can make, will bring the pleasure that comes with the home surrounded with beautiful plants, shrubs and trees. In addition to its dividends of satisfaction, such plantings have an economic value of as great proportion. Your new house may be all that you can ask for, the "niftiest" on the street, but you must know that in a few years nicer and newer ones will overshadow it. If you let nature help, you need fear no rivals. A house buried in the splendor of shrubs, trees and flowers will sell at a bigger percentage than the same house unadorned.

CONSULT US

Let us assist you in your planting problems. For many years, we have been growing, experimenting, comparing, and observing the behavior, growth and results of all varieties of both fruit and ornamental plants. In addition to our own individual experience we have the reports of our many customers, whose varied environments and locations comprise all the conditions likely to be met with throughout the West; these give a basis for a comprehensive survey of the likes and dislikes, the strong points and weaknesses of each particular plant, or variety of fruit.

All this accumulated experience is at your service—FREE.

BEFORE YOU PLANT Write, phone or call and our Landscaping Department will assist you in selecting just the right varieties that will properly fit into your particular situation.



Attractive Bed of "Farncomb Sanders" (Giant Darwin Tulips) Grown from Our Bulbs. Above is a Snapshot From the Beautiful Home Grounds of Col. Jos. J. Daynes, Salt Lake.

PORTER-WALTON CO.

Seed and Nursery Specialists
SALT LAKE CITY, UTAH