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The Original
BARNES BROS. NURSERY
Established 1890

Foreword

WE hope you will read this page, for we are giving you within the covers of this book an entirely new kind of nursery catalog. And we believe that this is the most helpful book of its kind ever published by a nursery company. We have foregone the advantages of impressive pictorial display and vivid colors in order to give you the most complete and most easily accessible information.

We have arranged in table form the most pertinent facts about more than 1,000 varieties of plants, so that you can turn to any section, the Evergreens for instance, and immediately find such information as the rate of growth, color, shape, form, landscape value, etc. This replaces the usual run of wordy generalities.

The popularity of this innovation remains to be determined. We have gone to great lengths in time, work and money to give you the information we believe you want in this simple, exact and complete form. We want you to tell us whether you like this new kind of catalog better than the usual kind. For, after all, unless you like the form in which we have given you the information you want, and you buy your plant materials of us, our explorations in new fields of planting books will have turned out to be something of a misadventure.

In recent years the landscaping section of our annual catalog has proved so helpful that under the title "Where, How and What to Plant" we have improved and expanded it with the hope that it will be of still greater service. If you want further help in your landscaping plans we will be glad to have you write us.

Next you will come to Cultural Directions where you will find invaluable advice in the caring for, and the handling of, each kind of plant. Then follow these sections: Evergreen Trees, Broadleaved Evergreens, Hardy Vines, Deciduous Trees, Flowering Shrubs, Roses, Perennials and Fruit, each with its table of information. May every page from here to the last prove itself worthy of your careful reading.



IT'S · NOT · A · HOME · UNTIL · IT'S · PLANTED

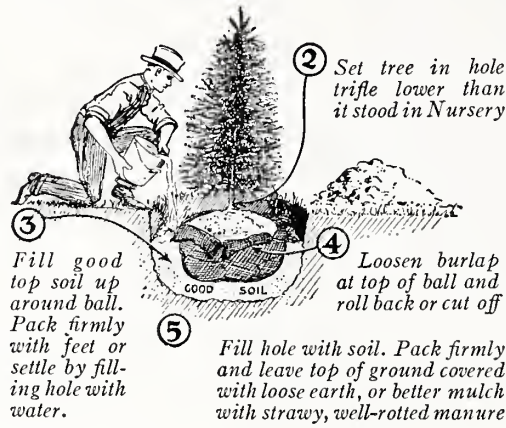
WHERE, HOW AND WHAT TO PLANT

NATURE has given to us a rich heritage in her trees, shrubs and flowers, and has endowed us with a love of their cool greens, and many colors of flower and berry. Man, thus inspired, has worked and thought and experimented and has, throughout the years, enhanced nature's beauty many fold. Is it any wonder, then, that we desire so much to bring nature's offerings closer to us—to have them about our very doors.

We at last have come to realize what joy and happiness can be had from the proper planting and care of this material at home, where we may watch the bursting buds in Spring, or the maturing of plant and flower in Summer, and glorious colors of leaf and berry in Autumn.

There was a time when all this was for the few, but it is not so today. Evergreens, trees, shrubs or flowers are within the reach of everyone. A few well-placed pieces can give as much satisfaction and enjoyment to their owner as can an extensive planting on a large estate. It is unfortunate that more of us do not have the opportunity to work among these children of nature, but, to those of us who do, it is a real opportunity.

The following pages give salient directions pertaining to the different types of plants which should ensure success to all. If you cannot, by the study of illustrated plantings and combination offers or from the tables, determine what to purchase, or if you have not the time to give your purchase the proper care, our landscape department will, for a nominal fee based on property area, prepare plans for you. You may purchase and plant material yourself, or we will do so for you at a price covering labor and material. Of course, it is impractical to undertake this service for persons whose places are too far away from Yalesville.

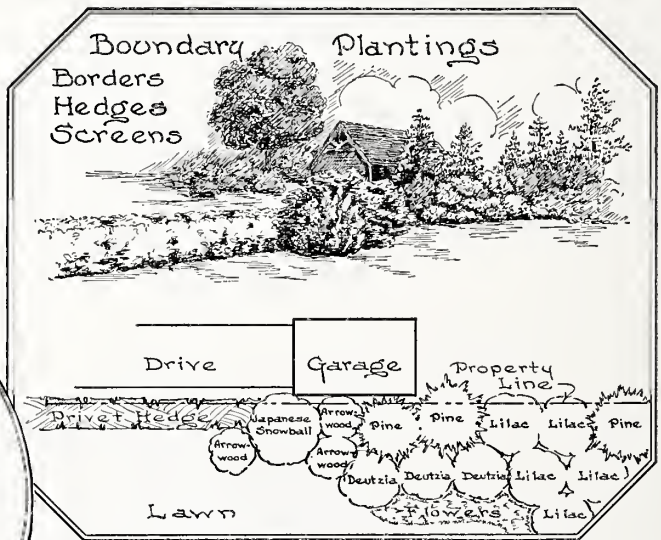
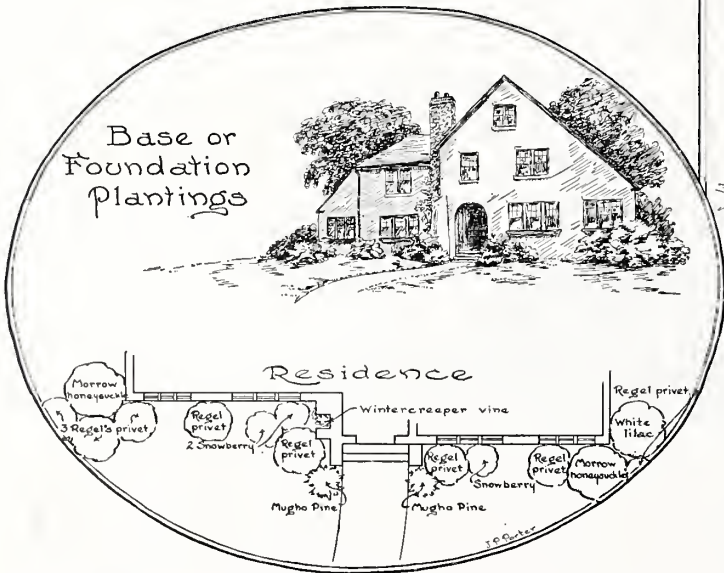


Come to the nursery and talk over your plans with us. You will be welcome and under no obligation. We have some wonderful material which is worth your while seeing, and which we will enjoy showing.

Evergreens

If evergreens cannot be planted immediately upon receipt, put in a cool, shady place and wet the burlap wrapping thoroughly. Plant between April 1st and May 15th, or August 15th and November 1st. Be sure a ball of earth is retained about the roots, so that the root fibers will be completely protected and the plant will become immediately established. Dig a hole a foot larger and three to four inches deeper than ball of earth. Loosen sub-soil and spread good top soil in bottom of hole. Note illustration. Plant evergreens at least 3 feet apart, and 3 feet from house foundation.

Evergreens planted for windbreak should be spaced 10 feet apart to give results in six or more years. To give results in four years, they should be spaced five feet apart (remove every other tree later). To give results in two years, they should be spaced two and a half feet apart (thin to 10 feet as trees develop). Stake large evergreens for at least three months. Always protect trunk with burlap or piece of old hose to prevent chafing from wire or cord.

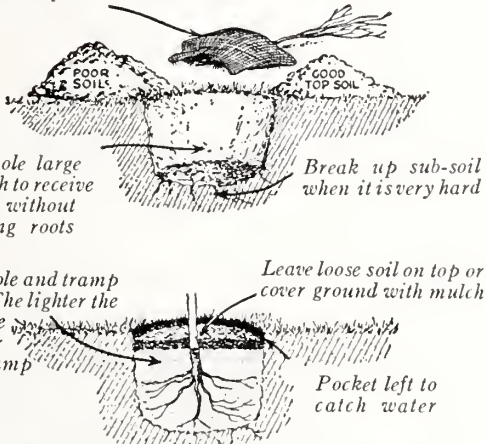


See pages 6 and 19 for special low-priced combination offers on foundation plantings.

Broadleaved Evergreens

See evergreens for directions and time of planting. Do not plant in alkaline soil. Broadleaved evergreens require acid soil and are surface feeders. Peat moss should be worked into soil, and surface should be mulched with peat or rotted leaves. Plant at least three feet apart, and three feet from house foundation. Most broadleaved evergreens thrive well in shade.

Always keep roots covered



Dig hole large enough to receive plant without bending roots

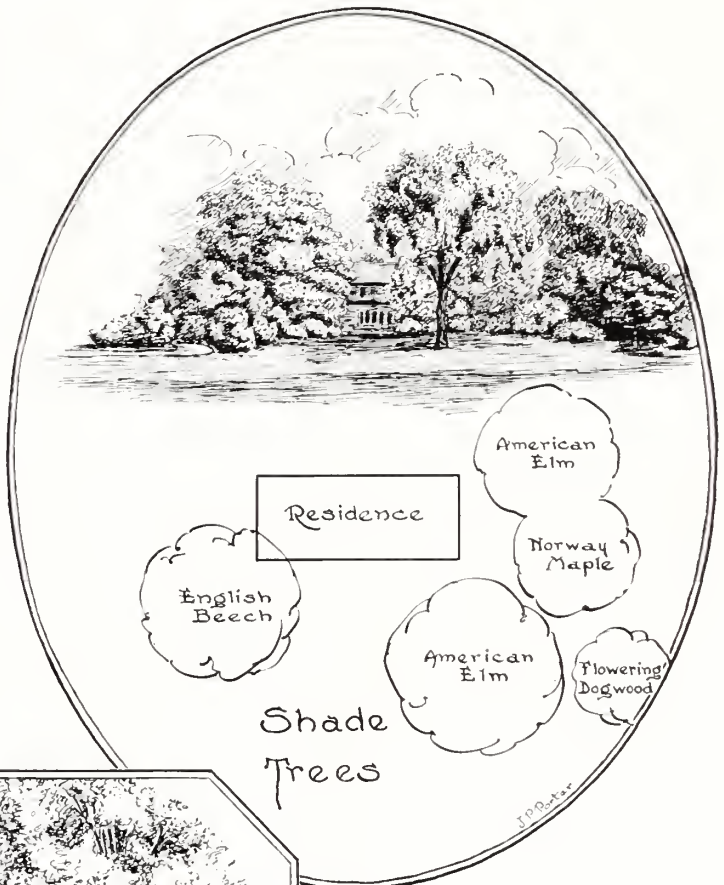
Break up sub-soil when it is very hard

Fill hole and tramp soil. The lighter the soil the harder the tramp

Leave loose soil on top or cover ground with mulch

Pocket left to catch water

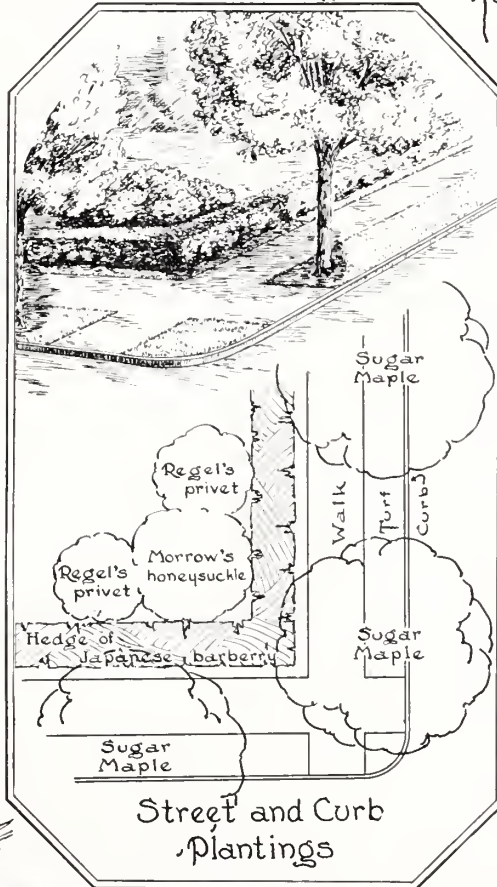
Note—Manure, unless well-rotted and thoroughly mixed with the soil should be used only on top if used at all.



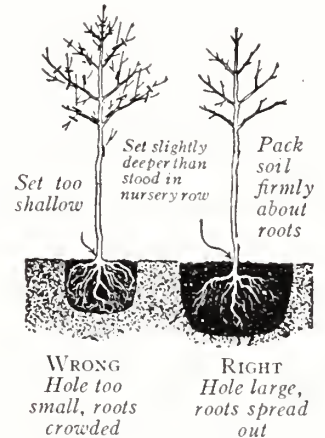
Deciduous Trees

Plant from April to May 1st, or October 15th to November 15th. If impossible to plant as soon as received, heel in. Dig trench deep and wide enough to hold roots without crowding. Cover roots and as much of tops as possible with moist earth packed firmly about the roots to keep out air. When ready to plant, cut back top as shown in the illustration.

In pruning roots, cut with a long slant downward to shed water. When pruning branches, cut on a slant about $\frac{1}{8}$ inch ahead of a bud on the outside of branch. Set trees one or two inches deeper than they grew in the nursery. Spade into subsoil well-rotted manure or a balanced tree fertilizer. Plant trees a distance apart equal to one-half ultimate height as given in Deciduous Trees table. Trees two inches or more in diameter should be staked for one year. Protect from chafing with burlap or old hose.

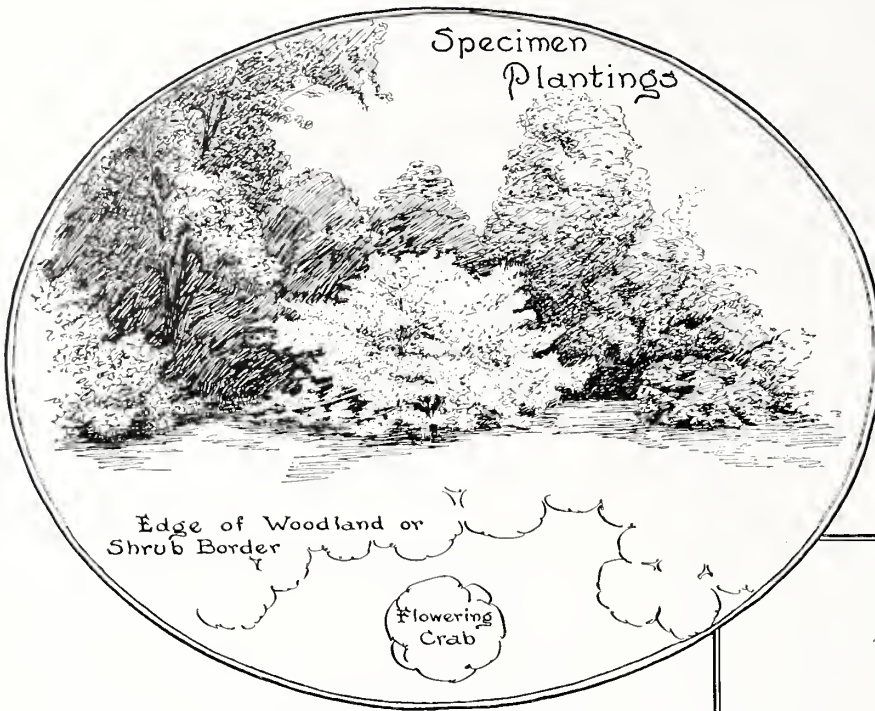


See page 15 for special low-priced combination offers on shade trees.



Hardy Vines

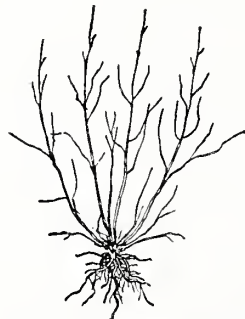
Follow same directions as for shrubs. Crown of Clematis should be three inches below surface.



See page 6 for low-priced combination offers on specimen plantings

Flowering Shrubs

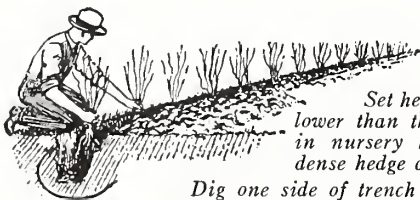
The same directions apply as for deciduous trees. Note carefully how trimming is done. Plant all shrubs at least three feet from house foundation. Plant low-growing shrubs 24 to 36 inches apart. Medium height, three to four feet apart. Tall shrubs, five to six feet apart. (See Flowering Shrubs table). Plant shrubs in irregular arrangement; and, for broad hedge, stagger. Set *Privet* for hedge three to four inches deeper than it grew in nursery to give many stems near the ground, and cut back tops to six inches. For hedge, space *Privet* and similar upright varieties six to twelve inches apart. *Barberry* and other medium height shrubs, one to two feet apart. Tall shrubs for high hedges, three to four feet apart.



A typical ornamental shrub as it comes from the nursery



The same shrub pruned for planting, dead wood removed, branches thinned out and cut back

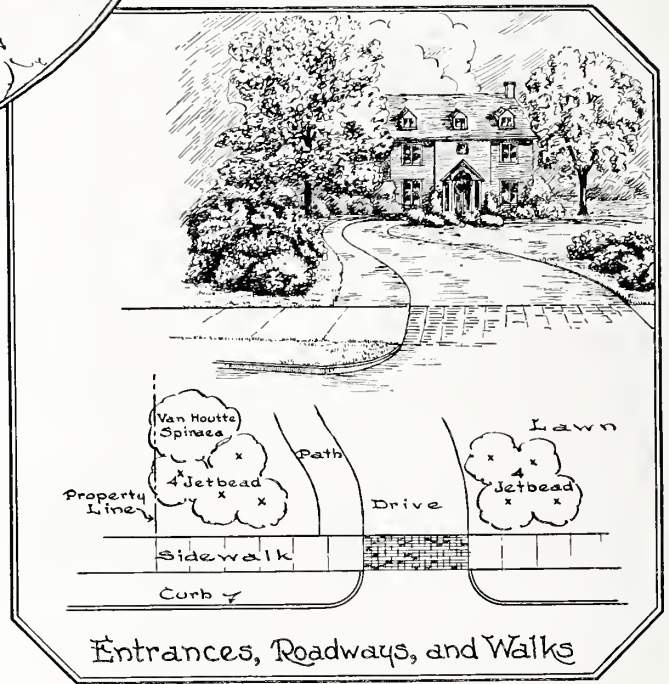


Set hedge trifle lower than they were in nursery to get a dense hedge at bottom
Dig one side of trench straight and in line, place plants against this side to get a straight hedge.

Perennials

Plant between May 1st and June 1st, or August 15th and October 15th. Plant Lilies and bulbs from September to November. Plant perennials, blooming in very early Spring, in Fall. All *Anemones* should be planted in shade, and protected when planted in Fall. *Lilium auratum* and *Lilium regale* may be planted in Spring. *Iris* is best planted in August and September; leave upper half of tuber exposed.

A good safe rule is to plant perennials a distance apart equal to one half height of ultimate growth. See Perennials table for detail on height. Keep manure or commercial fertilizer from crown of plant.



Entrances, Roadways, and Walks

Set all bulbs in sand to insure drainage. Lily bulbs should be set on a slant to shed water. *Delphiniums* prefer lime soil. *Lupines* need plenty of water but not "wet feet."

Generally speaking, perennials may be transplanted either Spring or Fall, and potted plants at any time. Transplant *Peonies* in

Bulb Planting Table

Name	Depth in Inches Over Top	Distance Apart in Inches
Hyacinth	4	6-7
Narcissus	4	6-8
Tulips	4	5-7
<i>Lilium candidum</i>	2	12
<i>Lilium auratum</i>	9	12
<i>Lilium regale</i>	9	12
<i>Lilium monadelphum Szovitzianum</i>	4	12
<i>Lilium tigrinum</i>	4	12

September; dormant roots in Spring. Set *Peonies* so that buds are three inches below surface. Mulch *Peonies* the first year, never thereafter. *Peonies* do best when planted by themselves. *Dicentra spectabilis* (*Bleeding Heart*) is best transplanted in Fall. Transplant *Oriental Poppies* in August or September; potted plants, only in Spring. Hybrid *Chrysanthemums* should be planted only in Spring in rich soil.

See page 20 for special-priced rock garden combinations



The Rock Garden

Spring Planting: Heel in, if material cannot be planted as soon as received. Soak roots a few hours before planting, cut off all broken branches and roots, and remove all but three or four strongest canes. Cut Hybrid Teas back to two buds each stalk; Hybrid Perpetuals, to four or six buds each stalk. Cut Climbers, Ramblers, Rugosa, Hugonis, Polyantha and Austrian Brier roses back one half.

Plant Hybrid Teas and Perpetuals so that enlargement where root and stalk join is at least two inches below surface. Same directions as for shrubs apply to all other roses. Place Hybrid Teas 18 to 24 inches apart each way; Hybrid Perpetuals, 24 to 30 inches apart each way; Polyanthas, 12 to 18 inches apart each way; climbers and ramblers, six feet apart each way. Place Rugosa, Hugonis and Austrian Brier roses, three to four feet apart. Mound soil over stems for a few days to prevent undue shock and drying out.

Fall Planting: In the case of Hybrid Teas and Hybrid Perpetuals prepare beds and plant as for Spring, mounding earth about plant until entirely covered. Trim Hybrid Teas and Perpetuals as for Spring, except prune less severely. Cut back Hybrid Teas four to six buds each stalk; Hybrid Perpetuals, eight to ten buds. Trim other types same as for Spring.



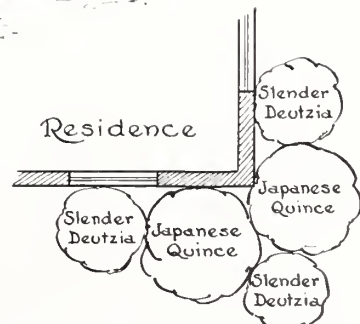
The Rose Garden

Roses

Planting season April 1st to May 15th, or October 15th to November 15th. Rose beds must be well drained and have at least one half a day's sun. Roses do best in full sun and when planted by themselves. These plants are heavy feeders, and a copious supply of rotted cow manure should be thoroughly spaded into top 18 inches of soil. If manure is not available, spade in 15 pounds of bone meal to 100 square feet.

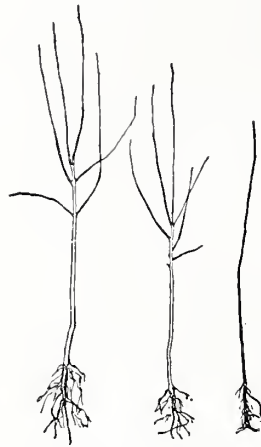


Groups for banking at Corners



Fruit Trees

The directions for planting shade trees also apply to fruit trees but trimming methods are different. With branched apple, plum, quince or pear trees, select three to five side branches at different points of trunk and three to four inches apart to avoid bad crotches later. Cut back one-third their length, about $\frac{1}{8}$ inch in front of an outside bud. Select one of top upright branches and cut back in proportion to the side branches. Cut off all other branches close to trunk. With apple and pear whips having no side branches, cut off top just above a bud three and a half to four feet above ground. Study illustration carefully. Peach and apricot, cut off top about 24 to 30 inches from the ground and cut off any side branches about an inch from the trunk to leave one or two buds. Two-year sweet cherry are usually branched. Select three to five side branches, well spaced and at different points of the trunk; cut off all other side branches close to trunk; do not prune.



A 3-year-old, 2-year-old and 1-year-old apple tree before pruning



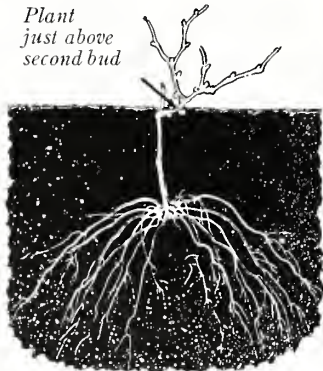
A 3-year-old, 2-year-old and 1-year-old apple tree after pruning. Try not to leave two branches nearly opposite; they will form a bad crotch when the tree is older

General Distance Table for Standard Trees

Apples	30-40 ft. each way
Cherries	30-40 ft. each way
Pears, Apricots,	
Plums, Peaches	16-24 ft. each way
Quinces	6 x 8 ft. to 8 x 10 ft.
Dwarf Apples or Pears—	one-half distance given for standard varieties.

GRAPES

Plant just above second bud



Small Fruits

Grapes: Space 6 x 8 to 8 x 10 feet. Dig hole about 18 inches wide and 18 inches deep. Fill up to right depth with rotted manure compost built cone-shape. Trim roots somewhat and cut back the top to two or three strong buds on a single cane. Cover roots with rich soil. Tamp rich soil firmly around plant. Mulch with straw manure.

Raspberries and Blackberries: Plant in good garden soil 18 to 24 inches apart in rows six feet apart. In planting Black Raspberries, set the crown of plant so that it is covered only one inch deep, using care not to break bud. Tamp soil firmly over roots. Don't bury the center bud too deep or the plant will be smothered. Red Raspberries, Blackberries and Dewberries should be set one to two inches deeper than they grew in the nursery. Cut back Red Raspberries and Blackberries as soon as planted to within six inches or less from the ground.

Strawberries: Plant in April or May in soil fertilized and cultivated the year before. Spade deeply before planting. Make hole large enough to take roots spread out fan wise and hang full length. Carry plants in pail of water. Pour water in hole and set plants in it so that crown is at the surface or a little below. Mulch with dry earth. Plant after sundown or on cloudy day. Remove old leaves and trim off extra long roots. Set plants one and a half to two feet apart in rows three and a half to four feet apart. See picture at right.

Rhubarb: Plant 3 feet apart in rich soil, buds 1 inch below surface. Asparagus: Spade in plenty of manure before planting. If planted in Spring, set in rich soil one foot apart in furrow six inches deep. Cover three inches and tamp. In cultivating, work soil toward plant so that, by mid-summer, ground is level. If planted in Fall, set as for Spring but cover plants to the full depth. In Spring, remove three inches of soil over plants and gradually work the soil back over plants, a little at a time, when cultivating.

SPECIAL Low-Priced Combination Offers

Foundation Plantings

Number 1

House facing East, South, or West

- 2 Thuja occ. pyramidalis 4 ft.
- 2 Thuja occ. Ellwangeriana 18 in.
- 2 Chamaecyparis obtusa compacta 15-18 in.
- 2 Juniperus japonica 18 in.
- 1 Chamaecyparis pisifera filifera 2½ ft.
- 2 Chamaecyparis pisifera plumosa aurea 3-3½ ft.
- 2 Taxus cuspidata 2-2½ ft.
- 1 Euonymus radicans vegeta 3 yr.

\$54.50 value at \$49.00

Number 2

House facing North

- 2 Thuja Wareana siberica 2½ ft.
- 4 Rhododendron catawbiense 2 ft.
- 2 Kalmia latifolia 2 ft.
- 1 Juniperus Pfitzeriana 2½-3 ft.
- 2 Juniperus neaboriensis 4-4½ ft.
- 2 Taxus cuspidata 2-2½ ft.
- 1 Euonymus radicans vegeta 3 yr.

\$63.00 value at \$55.00

Specimen Plantings

Number 3

- 1 Ulmus americana 1¼-1½ in. cal.
- 1 Acer platanoides 1¼ in. cal.
- 1 Platanus orientalis 8-10 ft.
- 1 Malus ioensis plena 4-5 ft.
- 1 Cornus florida 6-8 ft.
- 5 Cornus stolonifera 3-4 ft.
- 5 Cornus alba siberica 2-3 ft.
- 5 Cotoneaster acutifolia 2-3 ft.
- 5 Forsythia spectabilis 2-3 ft.
- 1 Acer atropurpureum 2-2½ ft.

\$36.00 value at \$30.00

Number 4

- 1 Fraxinus americana 8-10 ft.
- 1 Tilia americana 10-12 ft.
- 1 Liriodendron tulipifera 8-10 ft.
- 1 Crataegus Paul's Scarlet 4-5 ft.
- 1 Malus Scheideckeri 5-6 ft.
- 1 Cornus florida rubra 4-5 ft.
- 5 Cydonia japonica 2-3 ft.
- 5 Buddleia alternifolia 3-4 ft.
- 5 Hypericum Henryi 2-3 ft.
- 5 Hibiscus syriacus 2-3 ft.
- 1 Fagus sylvatica atropurpurea 4-5 ft.

\$52.00 value at \$45.00

See pages 15, 19, 28 and 29 for other special offers



Too deep Too shallow Just right

CULTURAL DIRECTIONS

EVEN if one has planted material correctly, it is essential to give plants proper care if they are to develop to their full beauty. It would indeed be a laborious task, however, for the average man to hunt up for himself the information needed in caring for plants, as he has neither the time nor the sources of the information at hand. In order to help you to succeed with and enjoy your plants, we are placing before you the most up-to-date data pertaining to culture of plants.

Evergreens

Water weekly whether planted Spring or Fall. Rest end of hose on small board under tree, and allow water to run slowly for half an hour or more. Water very thoroughly just before Winter freeze-up. Every other year, during July and August, trim off with sharp knife or pruning shears about one half a year's growth for compact types. Do not cut leader unless tree is growing too high. If upright-growing trees develop more than one stem, tie all stems together loosely to prevent bending and breaking by snow. In Winter, in exposed positions around house foundation, it is advisable to protect evergreens by tying evergreen boughs against the exposed side of tree. Remove in Spring. Mulch all evergreens with pine needles, leaves, or peat moss. Do not remove. Cut out dead wood at any time. If tree looks starved and is not doing well, use balanced tree fertilizer sparingly or liquid cow manure once or twice a week.

Broadleaved Evergreens

Mulch with leaves, preferably oak, or peat moss. Water as for evergreens. *Rhododendrons* and *Laurels* require deep mulch, the same as evergreens, and should never be cultivated. Remove *Rhododendron* seed pods as soon as they become a little soft, but be careful not to damage tiny leaf buds at base of seed cluster. The following year's flower buds set during current year. (Long tapering buds shaped like end of sharp pencil are leaf buds; full stocky buds are flower buds). If leaves curl and have yellow cast, water and food are lacking. Mulch as explained above. Cut out dead wood at any time. Trim little, if any.

Hardy Vines

Climbing and trailing plants need no special care, except to fertilize and trim to keep within desired bounds. Mulch hybrid *Clematis* after ground is frozen.

Deciduous Trees

Water frequently and thoroughly after planting. Do not be hasty in removing young trees which do not start. Some are stronger than others, and as long as a green layer shows just under the bark do not disturb tree. Cut away dead wood at any time. Keep space about tree base cultivated. Size of space will depend on size of tree. Watch carefully for disease. Flowering trees such as *Crataegus* and *Malus* require spraying for Aphid as soon as leaves appear. In fertilizing older trees (1) make a few holes with crowbar or pipe about two feet apart and extending in circles from a point directly beneath the outermost branches to about three or four feet from trunk of tree; (2) insert balanced tree fertilizer in holes, fill with water and then plug with soil or turf. Amount of fertilizer is based on diameter of tree. See bag. Transplant at same periods as planting.

Flowering Shrubs

Shrubs are very hardy and will do well if given average care. Cultivate frequently to keep down weeds, and mulch with manure, compost or grass clippings in Spring to keep them from drying out in Summer. Newly planted shrubs should be thoroughly watered weekly until established, and all shrubs should be watered in dry weather. Trim yearly, only in Spring, to maintain size and shape. Shrubs blossoming before leaves appear, or very early, as *Forsythia*, *Deutzia*, *Philadelphus*, *Cydonia japonica*, and *Exochorda*, should be pruned IMMEDIATELY after blooming. The following year's bloom is made on growth after blooming. All shrubs blooming later should be trimmed in February or March, as bloom comes on current season's growth. Remove dead wood at any time. In removing wood from old shrubs growth out of bounds, use discretion. Remove only a few stalks at a time, as a period of two or three years is required to develop the desired size. In removing old canes, don't butcher—cut clear to crown of plant. With *Hydrangea arborescens* cut back one-half of growth each Spring. Trim side shoots from main branches of *Hydrangea paniculata grandiflora* to one or two buds each year. Transplanting can be done at planting time.

Roses

Keep Hybrid Tea, Hybrid Perpetual, and Polyantha roses cultivated to conserve moisture and kill weeds, or mulch with peat moss one to two inches deep. One hundred pound bale of peat will cover 250 square feet one inch deep. Remove dead wood at any time. Trim Hybrid Teas to six inches after leaves fall, and hill up soil to cover. When ground has frozen, mulch valleys with salt hay or straw, and remove gradually after ground has thawed in Spring. Cut back Hybrid Perpetual and Polyantha roses to 12 inches after leaves fall. Hill and protect as for Hybrid Teas. Trim Hybrid Teas in Spring, removing all but four or five best canes and cut each back to two buds. Hybrid Perpetuals and Polyanthas should have the same treatment, except four to six buds are left. Remove Winter protection about April 15th, depending on the weather. Start spraying all roses as soon as leaves start. Spraying is a preventive, not a cure. In July, Hybrid Teas usually slow up in bloom. Trim back about half of growth, and

plants will bloom with new vigor in Fall. Don't fertilize after July. Other roses, except climbers and ramblers, should have same treatment as shrubs. Climbing and rambler roses bloom on previous year's wood, and therefore should be pruned IMMEDIATELY after blossoming. Remove oldest brown wood every two years for ramblers, unless very dense growth is desired. Tie stalks against support. Do not twine or lace. To trim ramblers, lay whole plant on ground and remove wood, being sure to cut clear to ground. Trim climbers or pillar types only enough to keep them within bounds. Mulch climbers and ramblers with rotted manure Spring and Fall, or spade in a quart of bone meal.

Perennials

Most perennials are easy to grow under average conditions. If well-rotted manure is not available, bone meal worked into bed at the rate of 50 pounds to 1000 square feet will give fine results. Do this in Spring or when preparing bed. Use bone meal only on *Delphiniums*. Perennials should be cultivated once a week, and more often if dry, until plants are too thick. Give all perennials plenty of water at blooming time. Burn all plants having black spot or root rot. *Iris* clumps should be dug up every three years. Remove old tubers, retaining only the young bulbs from which leaves protrude. Replant about 12 inches apart. Mulch the first Winter, after the ground is frozen, to prevent heaving, using straw or salt hay. Leaves may be used, if old plant tops or small brush are first put over plants to prevent leaves packing too tightly. Do not remove mulch at once in Spring. Turn over mulch several times during a period of two or three weeks, beginning about the middle of March, depending on the season. Do not expect much bloom from newly planted *Peonies* until the third year. *Kniphofia* should be stored in sand in a frost-proof cellar. Break up *Chrysanthemums* each Spring and replant only young outside growth. When 2 feet high, remove buds at end of stems to make plants produce more bush and bloom.

Fruit

FRUIT TREES: In the orchard, it is best to cultivate all trees in the same manner as corn until they are large enough to shade the ground between them. About July 15th, it is good practice to put on a leguminous cover crop, to protect the soil, help prevent blowing and washing, and improve the soil by adding nitrogen and humus. If one has only a few trees, a mulch of grass clippings, old straw manure, marsh hay or leaves may be used instead of dust mulch. Good barnyard manure is the best fertilizer. A layer applied around tree under the branches will help greatly. Good fruit requires a well-balanced spray schedule. Trimming should be done in late February or early March. Cut out and burn dead wood and diseased parts. For the first two or three years, cut back about half a year's growth to give tree shape and keep branches close to the ground. Cut out all cross branches, as inside of tree should have sun and air. Remove all sucker growth as it appears. If you handle the tree carefully when small, it will need little pruning later, and will develop its full beauty and productivity.

GRAPES: Cultivate frequently until mid-Summer. Pinch off all but one shoot the first summer. Tie shoot to support. There are several methods of pruning grapes, but space prevents us from describing all. A simple method is to allow about four alternate side shoots to develop, starting about a foot to 18 inches above ground. For each bud left on these side shoots there will be two bunches of grapes. Five or six buds per shoot give a fair yield. Remove all other wood after you have determined yield desired. Trim in February or early March. Manure every Spring. In August, where growth is strong, cut off ends of shoots.

RASPBERRIES AND BLACKBERRIES: Fertilize every year. Cultivate frequently to destroy weeds, and keep down sprouts. Do not allow new shoots to make rows over eight inches wide. Tie canes to stake. Fruit should not be permitted to set on Red Raspberries the first year. After fruiting, cut out old canes and burn, leaving a few new ones for fruiting next year. Mulch pays.

STRAWBERRIES: Do not fertilize after plants are set. Cultivate regularly all season. As the runners spread, and season progresses, cultivate less and less deeply and farther away from parent plant. As the plant throws out runners, space young plants five to six inches apart. After fruiting, to carry old bed over for another fruiting, remove old plants and leave sufficient young plants to fill bed for another year. Pick off, during the first season, all blossoms, flower stems and green berries on newly-set plants, allowing all the strength to go into producing a vigorous plant. Strawberries, in this latitude, require a straw mulch in late November. Loosen up mulch in Spring, but do not remove entirely until April 1st. Leave part of straw to mulch soil and hold berries out of the sand.

ASPARAGUS: Cut sparingly the second year. After that, cut all shoots six to eight inches high until middle of June, then let tops grow. Cut down tops when mature. Fertilize with rotted manure when through cutting, and in the Fall.

RHUBARB: Should be fertilized liberally every Spring to make plants tender.



EVERGREEN TREES

EVERGREENS are indispensable to year 'round beauty. They are cool and refreshing in Summer, and in Winter they lend warmth and color to cold and sombre landscapes. Crested with glistening snow they make a picture unique to their kind.

In the Evergreen Trees table on pages 10 and 11 is complete information on all varieties we offer, among which are certain outstanding varieties which ought to be incorporated in every planting, both for hardiness and type of growth. Barnes evergreens are many times transplanted and trimmed, so that they will mature into fine plants, and withstand the vigorous northern exposure of our New England winters.

Juniperus Pfitzeriana, with its semi-erect, spreading, gray-green branches, is an ideal evergreen either for foundation work or specimen planting. For the same exposure, all varieties of *Taxus*, with their black-green mature foliage and light new growth, make a very refined planting about any home. Their red berries add a cheerful note of color in Winter. *Taxus cuspidata capitata* is unsurpassed where a fine, formal, tall-growing tree can be utilized.

Among the *Arborvitae* (*Thuja*) group *Thuja pyramidalis*, *Thuja Rosenthalii* and *Thuja Wareana siberica* give exceptional results in difficult locations. They are medium size and are particularly good in foundation work. *Thuja Wareana* is an excellent evergreen for the shore. All of these are dark green and very dense.

Abies concolor offers a real opportunity to plant a beautiful specimen or a Christmas tree. Tall-growing, shapely and dense, its mature gray-green and light green new growth make it worth planting. It holds its branches well to the ground at maturity.

To many, the well-known *Koster's Blue Spruce* is the handsomest of all. Nothing could be more beautiful than such a tree with its silvery blue foliage in contrast with other greens upon the lawn. It should have plenty of space and stand alone for best effect.

For narrow formal accent at the entrance to the garden or at the ends of a garden seat, three varieties are outstanding: *Juniperus chinensis columnaris*, reaching barely 20 feet at maturity; *Juniperus*

communis cracovica and *Juniperus communis hibernica*, both of which grow very narrow and to a height of from 6 to 12 feet.

With the very complete data in the Evergreen Trees table, plus planting and cultural directions given on pages 2 to 7, no one needs to hesitate to plant evergreens, and plenty of them. There are many varieties and forms from which to select, giving a wide choice in form and color, all hardy, reliable and reasonably priced.



Pyramidal Arborvitae (Thuja occidentalis pyramidalis)

BROADLEAVED EVERGREENS

BROADLEAVED Evergreens have an adaptability all their own, blending equally well with evergreens and shrubs. They are ideal for naturalizing, and thrive in both sun and shade.

Rhododendron, with its globe-shaped clusters of purple, pink or white flowers, is one of the best plants for foundation planting, particularly on the cool north side. Use pink or white *Rhododendron maximum* for tall variety, purple *Rhododendron catawbiense* for medium height, and deep pink *Rhododendron carolinianum* for dwarf. The latter two make excellent foreground pieces. All varieties, planted in the woods, make a beautiful sight in June.

Kalmia latifolia (Native Mountain Laurel), with its clusters of deep pink to white blooms, can be surpassed by no other shrub. Very hardy and slow of growth, it fits perfectly in conjunction with *Rhododendron*. Both *Rhododendron* and *Laurel* are particularly long lived, and mature plants in bloom are a gorgeous sight.

Mahonia Aquifolium is not as well-known as it ought to be. Once seen in its Fall splendor of brilliant crimson foliage, it is hard to resist. Its mature foliage is holly-like and a rich dull green. The young foliage is a light shiny green, contrasting beautifully with the older foliage. Its bloom in May is bright yellow on long stems of lily-of-the-valley-like flowers. Its low growth, seldom exceeding three feet, and its grape-like fruit in Winter, make it a perfect plant for foreground work or dwarf planting anywhere.

Another fine evergreen shrub, growing about five feet high, is *Pieris floribunda* (Mountain Andromeda). Bright green in color, bushy and many-branched, with small white flowers lasting a long time, it blends beautifully with all types of evergreens.

Leucothoe Catesbaei (Drooping Andromeda) has long dark green leaves changing to rich bronze in Winter. The stems are long, drooping and red in color. Flowers are white and bell-shaped. In combination with other evergreens, its long dark leaves and red wood make a pleasing contrast.

Surely no planting would be quite complete without the dainty *Scotch Heather* (*Calluna vulgaris*). It may be had in either pink or white, and hardly ever grows over three feet. Blooming as it does in late August, it is unsurpassed for rock work or low edging.

Daphne Cneorum (Rose Daphne) is becoming more popular each season as it becomes better known. It is the ideal rock garden plant. It has clusters of short, flat evergreen leaves, and each stem is topped by a small head of pink, sweet-scented, arbutus-



Rhododendron

like flowers, which fill the air with their fragrance. It spreads quite rapidly, growing about 12 to 18 inches in height. A second blooming in Fall makes it doubly attractive.

We must not forget the low growing *Pachysandra* and *Vinca minor*. Both growing in sun or shade, they are perfect plants for carpeting the ground under evergreens, under trees where grass cannot be made to grow, or in the rock garden.

Study the characteristics of *Euonymus* given in the Broadleaved Evergreens table. Some varieties are excellent wall covers, others make fine, very dwarf evergreens.

Leiophyllum, growing in a half-round clump with its pink or white flowers, serves a double purpose: one, foreground for other evergreens, and, two, as a bright spot of all-year green in rock gardens.

Bear these plants in mind when making your selections. You will find all of them decidedly worthwhile in any landscaping plan.

HARDY VINES

Climbing and trailing plants add color and coziness to porches, and transform unsightly fences, walls and buildings into things of beauty. For wall cover, use *Ampelopsis*, either *Virginia Creeper* or *Boston Ivy*. *Celastrus orbiculatus*, with its orange berries, offers an opportunity if bright color is desired. And who does not admire the sweet scented *Clematis*, either on trellis or wall? *Hedera helix*, too, with its fine evergreen foliage, should be planted freely. The *Lonicera* are excellent as climbers or covering for walls. *Wisteria* needs no description.

EVERGREEN

(All Data Based on Average Conditions.)

Scientific Name	Common Name	Growth			Foliage	
		Ht.	Rate per year	Form	Shade of Green	Form
ABIES balsamea	Balsam Fir	60'	12-18"	Irregular cone; dense	Dark	Stiff needle
A. concolor	White Fir	80'	12-18"		Gray	
A. Fraseri	Fraser's Balsam	40'	8-12"	Pyramidal; spreading	Dark	Flattened; blunt
CHAMAECYPARIS obtusa	Hinoki Cypress	20'	12-18"		Globe; dense		Bright
C. obtusa compacta	Football Cypress	2-4'	2-4"	Broad pyramid; dense	Golden tips	Flattened; blunt
C. obtusa Crippsii	Cripp's Golden Cypress	4-6'	2-4"		Slender cone; compact		Dark
C. obtusa gracilis	Slender Hinoki Cypress	12-15'	2-4"	Broad pyramid; open, graceful	Yellow tips	Flattened; spiny tip
C. obtusa Youngii	Young's Golden Cypress	10'	4-8"		Pyramidal; loosely-branched		Deep
C. pisifera	Sawara Cypress	35'	8-12"	Broad cone; loosely-branched	Golden tips	Awl-like
C. pisifera aurea	Golden Sawara Cypress	30'	8-12"		Broad cone; dense		Bright
C. pisifera filifera	Thread Cypress	15'	4-8"	Broad cone; dense, spreading	Golden	Feathery
C. pisifera filifera aurea	Golden Thread Cypress	8'	2-4"		Broad cone; spreading		Steel
C. pisifera plumosa	Plume Cypress	20'	4-8"	Narrow column; compact	Blue	Scale and needle-like
C. pisifera plumosa argentea	Silver Tip Cypress	20'	4-8"		Bushy, spreading; irregular		Deep
C. pisifera plumosa aurea	Golden Plume Cypress	20'	4-8"	Narrow column; dense	Grass	Scale and needle-like
C. pisifera squarrosa	Veitch Moss Cypress	15'	2-4"		Spreading; dense		Gray
JUNIPERUS chinensis columnaris	Column Juniper	20'	8-12"	Narrow column; dense	Bright	Needles
J. chinensis japonica	Japanese Juniper	6'	2-4"		Dwarf pyramid; dense		Blue
J. chinensis neoboriensis	Conical Chinese Juniper	15'	4-8"	Spreading; dense	Dark	Awl-like
J. chinensis Pfitzeriana	Pfitzer's Juniper	12'	8-12"		Trailing; irregular		Dark
J. communis aurea	Common Golden Juniper	6'	4-8"	Narrow column; compact	Blue	Awl-like
J. communis cracovica	Polish Juniper	6'	4-8"		Spreading; irregular		Deep
J. communis hibernica	Irish Juniper	12'	8-12"	Narrow column; compact	Blue	Needles
J. excelsa stricta	Greek Juniper	10'	2-4"		Trailing; irregular		Dark
J. horizontalis	Creeping Savin	15'	8-12"	Vase-shape; loose	Deep	Needles
J. Sabina	Savin's Juniper	5'	4-8"		Bushy, upright, irregular		Bluish white
J. Sabina tamariscifolia	Tamarack Savin Juniper	5'	2-4"	Narrow cone; compact	Dark	Spiny
J. squamata Meyeri	Meyer's Juniper	4'	2-4"		Pyramidal; compact		Dark
J. virginiana	Red Cedar	40'	4-8"	Narrow cone; open, irregular	Silver	Scale-like
J. virginiana Canaertii	Canaert Red Cedar	40'	4-8"		Pyramidal, compact		Dark
J. virginiana elegantissima	Golden Tip Red Cedar	30'	4-8"	Semi-globular; compact	Dark	Spiny
J. virginiana glauca	Silver Red Cedar	30'	4-8"		Pyramidal, regular		Gray
J. virginiana Keteleeri	Smith's Red Cedar	18'	8-12"	Broad pyramid; open	Dark	Stiff needles
J. virginiana Smithii	White Spruce	90'	1-2"		Narrow cone; dense		Bright
PICEA canadensis (alba)	White Spruce	90'	1-2"	Pyramidal; dense	Dark	Short; slender
P. excelsa	Norway Spruce	90'	1-2"		Pyramidal; dense		Dark
P. glauca conica	Dwarf Alberta Spruce	6'	2-4"	Pyramidal; regular	Light	Short needles
P. orientalis	Oriental Spruce	100'	8-12"		Pyramidal; regular		Blue
P. pungens	Colorado Spruce	80'	12-18"	Pyramidal; compact	Silvery	3-4" needles
P. pungens glauca	Colorado Blue Spruce	80'	12-18"		Picturesque; open		Light
P. pungens Kosteriana	Koster's Blue Spruce	80'	8-12"	Pyramidal; irregular	Bright	Twisted needles
PINUS austriaca (nigra)	Austrian or Black Pine	60'	8-12"		Globe; compact		Dark
P. Banksiana	Jack Pine	60'	2-3'	Pyramidal; spreading	Bright	2" needles
P. densiflora	Japanese Red Pine	100'	3-4'		Pyramidal; open		Dark
P. montana Mughus	Mugho Pine	8'	2-4"	Pyramidal; spreading	Bright	6" needles
P. ponderosa	Western Yellow Pine	150'	1-2'		Pyramidal; spreading		Dark
P. strobus	White Pine	100'	2-3'	Pyramidal; dense	Blue	4-8" twisted needles
P. sylvestris	Scotch Pine	60'	2-3'		Pyramidal; dense		Dark
P. thunbergii	Japanese Black Pine	60'	2-3'	Pyramidal; dense	Dark	Short needles
PSEUDOTSUGA Douglasii	Douglas Spruce	70'	12-18"		Spreading; irregular		Black
TAXUS baccata repandens	Spreading English Yew	5'	2-4"	Spreading; dense	Bright	Narrow, flat
T. canadensis	Ground Hemlock	6'	4-8"		Pyramid; compact		Black
T. cuspidata	Spreading Japanese Yew	10'	4-8"	Spreading; dense	Black	Scale-like
T. cuspidata capitata	Upright Japanese Yew	40'	4-8"		Columnar; dense		Black
T. cuspidata nana (brevifolia)	Dwarf Japanese Yew	4'	2"	Pyramid; formal	Black	Scale-like
T. media Hicksii	Hick's Yew	15'	6-10"		Pyramid; compact		Black
THUYA occidentalis	American Arborvitae	40'	8-12"	Globe; compact	Bright	Scale and awl-like
T. occidentalis Columbia	Columbia Arborvitae	10'	4-6"		Broad pyramid; formal		Bright
T. occidentalis compacta	Parson's Dwarf Arborvitae	4'	2-4"	Globe; formal	Bright	Scale-like
T. occidentalis Ellwangeriana	Tom Thumb Arborvitae	6'	2-4"		Pyramidal; formal		Yellow
T. occidentalis globosa	Globe Arborvitae	3'	2"	Pyramidal; formal	Dark	Scale-like
T. occidentalis lutea	George Peabody Arborvitae	15'	2-4"		Semi-globe; formal		Dark
T. occidentalis pyramidalis	Pyramidal Arborvitae	20'	4-8"	Low pyramid; compact	Light	Scale-like
T. occidentalis recurva nana	Little Gem Arborvitae	3'	2"		Pyramidal		Bronze-yellow tips
T. occidentalis Riversii	River's Arborvitae	6'	4-8"	Narrow cone	Dark	Scale-like
T. occidentalis Rosenthalii	Rosenthal Arborvitae	8'	2-4"		Broad pyramid		Bright
T. occidentalis semperaurea	George Peabody Arborvitae	15'	2-4"	Broad pyramid	Dark	Scale-like
T. occidentalis spiralis	Spiral Arborvitae	10'	4-8"		Columnar		Bright
T. occidentalis Vervaeneana	Vervaene Arborvitae	10'	4-8"	Broad pyramid	Dark	Short needles
T. occ. Wareana lutescens	Golden Siberian Arborvitae	12'	4-8"		Columnar		Bright
T. occ. Wareana siberica	Siberian Arborvitae	12'	4-8"	Broad pyramid	Dark	Short needles
T. orientalis	Oriental Arborvitae	25'	4-8"		Pyramidal		Bright
T. Standishii	Standish Arborvitae	15'	4-8"	Broad pyramid	Dark	Short needles
TSUGA canadensis	Canada Hemlock	80'	6-12"			

TREES

For Quantity Rates See Page 40)

Hardy	Location	Soil	Landscape Value	Remarks	Price per ft.	Range of Sizes
	Shade	Loam	Windbreak; specimen		\$1.85	1-3'
		Moist loam	Specimen	Withstands city conditions better than any other Fir	2.00	1-3'
	Sun	Loam	Windbreak, specimen		1.75	1-3'
		Dry	Foundation, hedge	Branches and branchlets very short	1.50	1-2'
Foundation accent	2.00				1-2'	
Yes	Partial shade	Loam	Foundation	Pendulous tips	2.25	1-2'
					Average	Foundation; specimen
Medium	Average	Screen or hedge	Adapted to shore conditions	2.00		
				Yes	Average	Foundation, specimen
Very Medium	Average	Foundation, specimen	Protect from hard winds			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Foundation, specimen	Retains color in Winter			
				Yes	Sun	Average
Medium	Average	Foundation, specimen	Fruit is berry-like, pendulous, waxy branchlets			
				Yes	Sun	Average
Medium	Average	Foundation, specimen	Fruit berry-like, purple brown			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Medium	Average	Screen or hedge	Adapted to shore conditions			
				Yes	Sun	Average
Very Medium	Average	Screen or hedge	Adapted to shore conditions			

BROADLEAVE

(All Data Based On Average Conditions)

Scientific Name	Common Name	Growth			Foliage		Flowers				
		Ht.	Rate per Yr.	Form	Color	Type	Season (month)	Color			
BUXUS sempervirens	Boxwood	10'	4"	Compact	Dark	Small, oval	Summer	Insignificant			
CALLUNA vulgaris	Scotch Heather	3'	3"	Irregular		Small		7-8	Purple		
C. vulgaris alba		3'	3"	Spreading	Dark	Small, glossy	7-8	White			
DAPHNE Cneorum	Rose Daphne	18"	6"					Procumbent	Medium	Greenish	Pink
EUONYMOUS radicans	Evergreen Wintercreeper	10'	12"	Shrubby	Medium, glossy	Summer	Greenish				
E. radicans Carrierei	Glossy Wintercreeper	5'	6"		Creeping			Medium	Summer			Greenish
E. radicans colorata	Kewensis		6"	Dark				Medium, oval					Summer	Greenish
E. radicans minima	Evergreen Bittersweet	12'	12"		Irregular			Small, oval		5-6	White
E. radicans vegeta	Japanese Holly	20'	8"	Irregular		Long, shining	6	Pink			
ILEX crenata	Mountain Laurel	15'	8"		Shrubby	Small, thick			Summer			White
KALMIA latifolia	Sand Myrtle	18"	2"	Prostrate		Small, glossy							6-7	Pinkish
LEIOPHYLLUM buxifolium	Mountain Heath	12"	1"		Shrubby	Large, shining				4-5	White
L. buxifolium prostratum	Drooping Andromeda	5'	8"	Compact		Medium, glossy	5	Yellow			
LEUCOTHOE Catesbaei	Oregon Holly Grape	3'	6"		Spreading	Small, pointed			5			White
MAHONIA Aquifolium	Japanese Spurge	12"	4"	Shrubby		Medium, blunt							6	Pink
PACHYSANDRA terminalis	Mountain Andromeda	5'	6"		Irregular	Large, lustrous				6	Lilac-purple
PIERIS floribunda	Carolina Rhododendron	3'	4"	Irregular		Large, glossy	6	Pinkish-white			
RHODODENDRON carolinianum	American Rosebay	15'	12"		Creeping	Small, shining			5-6			Blue
R. catawbiense	Common Periwinkle	5'	6"	Palm-like		Narrow, pointed							6-7	Ivory-white
R. maximum	Adam's Needle	4'									
VINCA minor											
YUCCA filamentosa											

HARDY

(All Data Based On Average Conditions)

Scientific Name	Common Name	Growth			Foliage			Season (month)
		Ht.	Rate per Yr.	Character	Size	Form	Remarks	
AMPELOPSIS quinquefolia	Virginia Creeper	50'	Rapid	Tendrils; loose	Medium	Leaflets	Red in Fall	Spring
A. tricuspidata	Boston Ivy	50'		Tendrils; close		3 part. or lobed			Coarse	6-7
ARISTOLOCHIA Siphon	Dutchman's Pipe	25'	Rapid	Twining; close	Large	Heart-shaped	Pinnate	Summer
BIGNONIA radicans	Scarlet Trumpet	30'		Rootlets; loose		Medium			Oval leaflets	Light green	7
CELASTRUS orbiculatus	Oriental Bittersweet	15'	Twining; loose	Small	Obovate		Dull	Summer
C. scandens	American Bittersweet	15'	Rapid			Tendrils; loose			Medium	Obtuse leaflets	Dull	Summer
CLEMATIS Hybrids	Clematis	10'		Rapid	Tendrils; loose		Medium	Obtuse leaflets					Dull	Summer
	Duchess of Edinburgh	10'	Rapid			Tendrils; loose			Medium	Obtuse leaflets	Dull	Summer
	Henryi	10'		Rapid	Tendrils; loose		Medium	Obtuse leaflets					Dull	Summer
	Jackmanii	10'	Rapid			Tendrils; loose			Medium	Obtuse leaflets	Dull	Summer
	Mme. Edward Andre	10'		Rapid	Tendrils; loose		Medium	Obtuse leaflets					Dull	Summer
	Ramona	10'	Rapid			Tendrils; loose			Medium	Obtuse leaflets	Dull	Summer
CLEMATIS paniculata	Autumn Clematis	20'		Rapid	Tendrils; loose		Medium	Obtuse leaflets					Dull	Summer
EUONYMUS radicans	Wintercreeper	10'	Slow			Rootlets close			Small	Oval	Glossy	Summer
E. radicans vegeta	Wintercreeper	12'		Slow	Rootlets close		Small	Oval					Glossy	Summer
HEDERA helix	English Ivy	60'	Moderate			Twining, loose			Medium	Broad-lobed	Dark green	6 to 11
LONICERA japonica Halliana	Japan Honeysuckle	10'	Rapid	Twining, loose	Medium		Oblong	Blue green					6 to 11
L. sempervirens	Trumpet Honeysuckle	10'	Moderate			Rambler, loose			Small	Oval leaflets	Bright green	7-8
LYCIUM chinensis	Matrimony Vine	10'	Rapid	Rambler, loose	Small		Oval leaflets	Shiny					6
ROSA Wichuriana	Memorial Rose	12'	Moderate			Climbing Roses			Small	Oval leaflets	Shiny	6
ROSE Hybrids	Climbing Roses	15'	Moderate	Twining, loose	Coarse		Broad	Light green					Spring
VITIS (Hort. var.)	Grape	15'	Rapid			Twining, loose			Medium	Ovate leaflets	Pale green	5
WISTERIA sinensis	Wisteria	25'	Rapid	Twining, loose	Medium		Ovate leaflets	Pale green					5



An Excellent Grouping of Trees and Shrubs

DECIDUOUS TREES

DECIDUOUS trees are so beautiful in both foliage and flower that it is difficult to decide which varieties deserve the most emphasis. Space permitting, we would discuss all of them. Mr. Average Man, however, is most interested in a good shade tree or two, and perhaps a flowering tree here and there for contrast.

Among the maples, *Acer platanoides*, *Acer saccharum*, and *Acer Schwedleri*, with its purple leaves, are superb trees for shade and hardiness. If one desires a note of bright color all season, plant the bushy *Acer palmatum atropurpureum* (*Japanese Red Maple*). Its slow-growing habit and its finely-cut blood-red leaves make it an ideal specimen for the lawn.

The graceful *Betula* (*White Birch*), though offering scant shade, is decidedly worth while because of its clean white bark. The *Larix* (*Larch*) produces an entirely different effect. Although deciduous, it has bright green needles like an evergreen, and when established has many cones upon its branches throughout the Winter. It has

the distinction of being one of the first trees to leaf in the Spring, and is narrow in character of growth.

Oxydendrum arboreum (*Sour Wood*) is a thing of beauty when its open head is covered with pale, showy fruits and crimson foliage. Medium in growth, it is an excellent subject for planting in either lawn or park.

Platanus orientalis (*Oriental Plane Tree*) is generally conceded a high place among shade trees. It stands the difficult city conditions; and its bark, with patches of gray, gives it a unique appearance among other trees. It is very symmetrical and graceful in habit, and is well worth planting.

Tilia americana (*Linden*), in addition to its large leaves and broad round head, has the advantage of fast growth, and makes a fine type of shade tree for the street, lawn or park.

The new *Ulmus pumila* (*Chinese Elm*) is another tree that merits extensive use. Rapid of growth, more compact growing than our native elm and practically free



Chinese Elm (*Ulmus pumila*)

from pests, it is an admirable drive-way tree where quick shade is desired. Its slender grayish branches form a dense pyramidal canopy of small fresh green leaves.

The *Cornus*, both white and pink, with its open growth and flowers in Spring, should be planted freely. It has the extra asset of growing best in shade, and when naturalized in woods or used as a specimen on the lawn is difficult to surpass.

One has but to see a mature *Crataegus oxycantha* blanketed with bloom, be it pink, white or red, to realize that it is one of the most strikingly beautiful trees one can have.

The *Malus* (*Flowering Crab*) with its large, brilliant bloom in May and June and small, bright fruit in Fall, cannot be surpassed. It matures quickly, growing to about 20 feet and is therefore very valuable where space is at a premium.

Prunus serrulata (*Flowering Cherry*) (some single, some double), with bloom ranging from deep pink through pink to white, presents a truly exotic scene in Spring.



European Birch (*Betula alba*)

Plant one of the *Prunus subhirtella* (*Weeping Japan Cherry*) and you will be rewarded with a brilliant display of beautiful pink blooms. Another excellent weeping tree is *Morus alba pendula* (*Tea's Weeping Mulberry*). Its foliage is light green, glossy and deeply lobed, and its berries are edible by both man and bird.

You will find other attractive varieties in the Deciduous Trees table, on pages 16 and 17, many of which deserve a prominent place on your grounds.



American Elm (*Ulmus americana*)



Norway Maple (*Acer platanoides*)

Special Low-Priced Combination Offers SHADE TREES

See illustration page 3

Selection 5

- 1 *Malus ioensis plena* . . . 5-6 ft.
- 2 *Ulmus americana* . . . 8-10 ft.
- 1 *Acer platanoides* . . . 1¼ in. cal.
- 1 *Cornus florida* . . . 4-5 ft.

\$11.25 value at \$9.00

Selection 6

- 1 *Liriodendron tulipifera* . . . 8-10 ft.
- 1 *Sorbus aucuparia* . . . 8-10 ft.
- 1 *Ulmus pumila* . . . 6-8 ft.
- 1 *Malus floribunda* . . . 5-6 ft.
- 1 *Cornus florida rubra* . . . 4-5 ft.

\$14.25 value at \$11.50

Selection 7

- 1 *Tilia americana* . . . 6-8 ft.
- 2 *Oxydendrum arboreum* . . . 5-6 ft.
- 1 *Prunus persica* . . . 4-6 ft.
- 1 *Crataegus oxycantha*
 coccinea . . . 4-5 ft.

\$10.00 value at \$8.00

DECIDUO

(All Data Based On Average Conditions.)

Scientific Name	Common Name	Growth		Form	Habit	Texture	Foliage			Season
		Ht.	Rate per Yr.				Shape	Type	Fall Color	
ACER dasycarpum	Silver Maple	100'	4'	Elliptical	Graceful, open	Med-ium	Palmate	Green above, silver below	Yellow	April
A. dasycarpum Wieri	Wier's Maple	80'	4'	Rounded	Drooping	Med-ium	Finely cut	Dark green	Yellow	April
A. negundo	Ash-Leaved Maple	70'	2-3'		Spreading						Coarse	Compound
A. palmatum atropurpureum	Japanese Red Maple	15-20'	8-10"	Irregular	Bushy	Fine		Red, green-red	Bright red	Early
A. platanoides	Norway Maple	75-90'	3-4'	Round top	Compact	Med.	Palmate	Rich green	Yellow	Early
A. platanoides Schwedieri	Schwedler's Maple	50'	3-4'					Purple in Spr.	Purple-green	
A. saccharum	Sugar Maple	80'	3-4'	Ovate	Compact	Med.		Dark green	Red & Yellow	Early
AESCULUS hippocastanum	Horse Chestnut	60-80'	2-3'	Broad-conic.	Compact	Coarse	Long leaflets.	Green		May
BETULA alba	European White Birch	40'	2-3'	Conical	Open	Fine	Oval			April
B. laciniata pendula	Weeping White Birch	30-40'	2-3'		Drooping		Deeply cut			Yellow
B. papyrifera	Canoe or Paper Birch	60-80'	2-3'	Irregular	Graceful	Fine	Oval	Light green		Early
B. populifolia	Gray Birch	40'	2-3'	Conical	open		Triangular			
CATALPA bignonioides nana	Umbrella Tree	8-10'	2-3'	Round head.	Compact	Coarse			Little or none	June
C. speciosa	Western Catalpa	60'	3-4'	Pyramidal	Spreading	Coarse	Heart-shaped		Yellow	
CERCIS canadensis	Red Bud	20-30'	1-2"	Irregular	Dense	Med.	Oval	Dark green	Scarlet	May
CORNUS florida	Flowering Dogwood	15-20'	8-12"		Open					
C. florida rubra	Red Flowering Dogwood	15-20'	8-12"							
CRATAEGUS oxyacantha coccinea	Paul's Scarlet Thorn	15-20'	8-12"	Rounded		Fine	Ovate	Dark, shiny	Orange-scarlet	May-June
FAGUS sylvatica	European Beech	60-80'	1-2"	Ovate	Compact	Medium	Ovate	Dark, glossy	Red, brown	Early
FRAXINUS americana	White Ash	70-80'	2-3'	Conical		Coarse	Compound			Summer
GLEDITSIA triacanthos	Honey Locust	80'	1-2'	Irregular		Fine	Oval leaflets	Light, glossy	Yellow	May
JUGLANS cinerea	Bullernut	50-75'	2-3'	Broad	Open					
J. nigra	Black Walnut	100'	2-3'	Conical		Med.	Long leaflets	Dark, glossy		
J. regia	English Walnut	50'	1-2'	Rounded	Compact			Bright, glossy		
KOELREUTERIA paniculata	Varnish Tree	30'	2-3'	Broad, flat top	Open	Coarse	Ovate leaflets	Dark green		July
LARIX leptoepis	Japanese Larch	60'	2-3'	Pyramidal	Symmetrical	Fine	Short needles	Clustered	Golden	
LIRIODENDRON tulipifera	Tulip Tree	80'	3-4'	Elliptical	Open	Coarse	Four-lobed	Blue-green		May-June
MAGNOLIA acuminata	Cucumber Tree	80-90'	3-4'	Broad, conic.	Spreading	Coarse	Oblong	Thick		May-June
M. denudata	Yulan Magnolia	30-40'	2-3'	Pyramidal		Coarse		4-7" long	Yellow	April-May
M. Soulangiana		15-20'	1-2'	Oval	Open	Med.	Obovate	Heavy		May
M. Soulangiana Lennei		15-20'	1-2'							
M. tripetala	Umbrella Magnolia	20-40'	3-4'	Irregular		Coarse	Oblong	Very large		June
MALUS Arnoldiana	Arnold Crab	15'	1-2'	Rounded	Open					April-May
M. brevipes		15'	1-2'	Rounded	Open	Med-ium	Oval	Ri h, green		April and May
M. floribunda	Jap. Flowering Crab	20'	1-2'							
M. Niedzwetzkyana	Redvein Crab	20'	1-2'							Late May
M. ioensis plena	Bechtel's Crab	20'	1-2'		Compact			Rich green		April and May
M. prunifolia Rinki		20'	1-2'		Open	Med-ium	Oval	Purple-green		
M. prunifolia robusta	Cherry Crab	20'	1-2'							
M. purpurea	Purple Crab	20'	1-2'							
M. purpurea Eleyi		15'	1-2'							
M. Sargentii	Sargent Crab	5'	1'	Spreading	Shrubby, com.				Yellow-orange	
M. Sieboldi	Toringo Crab	15'	1-2'	Rounded	Compact			Rich green	Yellow-brown	April
M. spectabilis		25'	1-2'	Conical						April-May
M. theifera	Tea Crab	20'	1-2'	Rounded	Open					
MORUS alba pendula	Tea's Weeping Mulberry	8-10'	1-2'	Umbrella-shaped	Drooping		Varioulylobed	Light green	Yellow to green	Spring
OXYDENDRUM arboreum	Sourwood	25'	1-2'	Pyramidal	Open		Nar. point	Bright green	Orange to crim.	June-July
PLATANUS orientalis	Oriental Plane	70-80'	3-4'	Oval head.	Spreading		Rounded	Med. green		May
POPULUS Eugenei	Carolina Poplar	80-100'	4-5'	Narrow, conic.	Compact		Triang-ular	Shiny	Yellow	April, May
P. nigra italica	Lombardy Poplar	100'	4-5'	Spire-like	Dense	Fine		Light green		
PRUNUS cerasifera pissardi	Purple Leaf Plum	15'	1-2'	Slender	Twiggy		Peach-like	Red all season	Purple-red	May
P. serrulata sachalinensis sekijama	Kanzan Cherry	25'	2-3'	Pyramidal	Compact		Oval	Rich green	Yellow	April
P. subhirtella pendula	Weeping Japan Cherry	15'	2-3'	Irregular	Droop-ing					
SALIX babylonica	Weeping Willow	30-40'	3-4'	Oval				Light green		
S. pentandra	Laurel Willow	30'	3-4'	Narrow, conic.	Open	Fine	Long, narrow	Dark, shiny	Green	Spring
S. vitellina	Yellow Osier	80'	3-4'	Rounded				Pale beneath	Yellowish	
SORBUS aucuparia	European Mt. Ash	30'	2-3'	Pyramidal	Spreading		Oblong leaflets	Pinnate	Brownish	May-June
TILIA americana	American Linden	80-120'	2-3'	Conical	Dense		Ovate	Large	Yellowish	July
ULMUS americana	American Elm	120'	3-4'	Vase shape	Arching		Oval pointed	Dark green	Yellow-brown	
U. glabra	Scotch Elm	100'	2-3'	Broad, round	Spreading	Med.	Ovate	Yellow brown	Dark green	Spring
U. pumila	Chinese Elm	70'	5-6'	Ovate	Dense		Oval pointed	Dark green	Yellow-brown	

US TREES

For Quantity Rates, See Page 40.)

Flowers		Fruit	Hardiness	Soil	Landscape Value	Remarks	Sizes and Prices
Color	Type						
Yellow-green	Numerous	Winged, not showy	Hardy	Average	Lawns, parkways	Soft wood	6-8', 1.50; 8-10', 2.00; 10-12', 2.50.
Purple	Small			Rich	Streets, windbreaks	Stands cold and dryness	6-8', 1.25; 8-10', 1.50; 10-12', 2.00.
Yellow-green	Many	Shiny brown seeds	Hardy	Average	Suburban streets	Effective among evergreens	8-10', 1.50; 10-12', 2.00; 12-14', 3.00.
Yellow-green				Moist	Suburban streets, specimen	Stands city conditions	12-18', 3.00; 18-24', 3.50.
Primrose yell.	Inconspic.	Cone-like	Hardy	Average	Lawns, streets	Gives heavy shade	6-8', 4.00; 8-10', 5.00; 10-12', 6.00.
Pink-white	Moist			Lawns, parkways	Needs space and moisture	6-8', 2.50; 8-10', 3.50; 10-12', 5.00.	
Greenish	Inconspicuous	Cylindrical	Hardy	Moist, light	Naturalizing, lawn specimen	Old bark white	3-4', 1.00; 4-5', 1.50; 5-6', 2.00.
				Moist	Lawns, parkways	Graceful, white-barked tree	4-6', 1.50; 6-8', 2.00; 8-10', 2.50.
White	Clustered	Long pods	Hardy	Average	Parks	Very white bark on old wood	6-8', 3.00; 8-10', 4.00.
Rose pink	Clusters	Pods		Dry, sandy	Formal effects	In clumps of four or more stems	3-4', 1.00; 4-5', 1.50.
White	Showy	Red berries	Hardy	Average	As specimen	Valuable for early Spring flowers	5-6', 2.00.
Pink				to acid	or in groups	Excellent for woodland borders	3-4', 1.25; 3-4', 2.00; 4-5', 2.50.
Scarlet	Double	Small nuts	Tender North Thru Mass.	Rich, moist	Borders, hedges, specimen		4-5', 2.50.
Green	Inconspicuous	Winged, not showy		Dryish	Lawns, parkways, tall hedges	Can be clipped for hedges	3-4', 3.50; 4-5', 4.50.
Greenish			Nuts	Average	Lawns, parkways	Thorny branches. Gives light shade	6-8', 1.50; 8-10', 2.00.
Yellow	Clusters	Inflated pods	Hardy	Rich, moist	Lawns	Valuable for naturalizing	4-5', 1.00; 5-6', 1.25.
Yellow-green	Tulip-like	Brown, cone-like		Rich, moist	Lawns, parkways	Valuable park and forest tree	2-3', .75; 3-4', 1.00.
White			Many	Brownish	Average	Specimen	Yellow clusters, long and showy	2-3', 1.00; 3-4', 1.50.
Lilac pink	Fragrant	Reddish	Hardy	Rich	Specimen on lawns	Adaptable to many soils and low temperatures	3-4', 1.75; 4-5', 2.50.
White inside; purple out	Cup-shape	Light red		Average	Lawns	Large, handsome tree	12-14', 4.00.
Rose	Large	Red	Hardy	Rich, moist	Shade tree, lawn specimen	Hardest Magnolia. Dense shade	6-8', 2.00; 8-10', 3.00.
Dull white	Single	Small, round		Rich, moist	Specimen, accent	One of the most showy. Fragrant.	3-4', 2.50.
Pink		Red	Red	Hardy	Average	Specimen on lawns	Commonest Magnolia Hybrid in N.	12-18', 4.00; 2-2 1/2', 8.00.
Red	Early	Very red	Rich, moist		Specimen, accent	Leaves clustered at branch ends	12-18', 4.00; 18-24", 6.00.
Bright pink	Double	Red	Hardy	Average	Specimen, accent	Very beautiful	3-4', 2.50; 4-5', 3.00.
Pinkish	Single	Red & yellow		Rich, moist	Specimen, accent	Apple-like	4-5', 2.00; 5-6', 3.00.
Pink		Red	Yellow	Hardy	Average	fruit, foliage, twigs	3-4', 1.75; 4-5', 2.00; 5-6', 3.00.
Wine red	Semi-dble.	Wine red	Hardy		Average	Specimen; rock gardens	Valued for red colorings	4-5', 2.00; 5-6', 3.00.
White	Single	Red & yellow		Hardy	Average	Specimen, accent	Apple-like	4-5', 2.00; 5-6', 3.00.
Pink		Yellow	Specimen, accent		fruit, foliage, twigs	5-6', 3.00.	
Coral red	Semi-dble.	Yellow	Hardy	Average	Specimen, accent	Flowers clustered	3-4', 1.75.
Rose in bud	Pale, open	Small, not showy		Tender North	Average	Specimen, accent	Fruit edible & attractive to birds	3-4', 1.75.
Inconspicuous	Clusters	Purple-black	Hardy		Average	Specimen	Striking in Autumn	4-5', 2.00; 5-6', 3.00.
White	Panicles	Tan clusters		Hardy	Acid	Lawns	Disease resistant	6-8', 1.75; 8-10', 2.50.
Green	Many	Round balls	Hardy		Rich, moist	Streets	Vigorous grower, short lived	6-8', .75; 8-10', 1.00; 10-12', 1.50.
Bluish-white	Small	Wine-red		Hardy	Average	Quick screen, accent	Relieves monotonous skylines	6-8', .75; 8-10', 1.00; 10-12', 1.50.
			Average		Lawns	Valued for colored foliage	3-4', 1.00; 4-5', 1.25.
Pink	Double	Small, black	Hardy	Average	Specimen	A very choice variety	4-5', 3.00.
Numerous	Black & red	Black & red		Hardy	Average	Specimen	Flowers in clusters	5-6', 5.00.
Greenish	Catkins	Inconspicuous	Hardy		Moist	Lawns, waterside planting	Splendid near streams or pools	4-6', 1.00; 6-8', 1.50.
White	Clusters	Orange-scarlet		Hardy	Average	Quick screen, accent	Adaptable to seashore conditions	4-6', .75; 6-8', 1.00.
Yellow	Fragrant	Winged nutlets	Hardy		Moist	Stream banks	Yellow twigs	4-6', .75; 6-8', 1.25.
Greenish	Drooping	Clustered		Hardy	Average	Lawns	Fruit attracts birds	6-8', 1.50; 8-10', 2.00; 10-12', 2.50.
Inconspic.	Inconspic.	Inconspic.	Hardy		Average	Streets, lawns	Flowers in small clusters	6-8' 2.00; 8-10', 3.50; 10-12', 5.00.
Inconspic.	Inconspic.	Inconspic.		Hardy	Average	Wide sts., lawns, parkways	A stately tree	8-10', 2.00; 10-12', 3.00.
Inconspic.	Inconspic.	Inconspic.	Hardy		Average	Avenues and streets	New and popular	8-10', 2.00.
Inconspic.	Inconspic.	Inconspic.		Hardy	Average	Streets, quick screen		6-8', 1.75; 8-10', 2.50; 10-12', 3.50.

*Azalea as a Border*

FLOWERING SHRUBS

*Shubby Dogwood (Cornus)*

SHRUBS lend themselves so readily to all conditions that they should be universally planted. There are so many combinations of leaf, flower and berry, making bright spots of color from Spring to Spring, that it is difficult to complete a garden without a few.

Forsythia, the harbinger of Spring, with its golden blossoms before the leaves appear, needs no description. *Cydonia japonica* follows with its brilliant orange-red bloom attracting the eye from great distances. Then, too, there are the *Azaleas*, particularly *Azalea calendulacea* and *Azalea mollis*, ranging from yellow to red, which are universally admired.

The *Cornus*, or *Shubby Dogwoods*, with their flowers in Spring, berries in Fall, and red and yellow wood in Winter, cannot be surpassed. They are excellent as undergrowth in shade, indeed a difficult place to fill.

Euonymus offers a different note with its stiff, corky branches. The variety *E. alata* is particularly color-

ful in the Autumn, when every leaf turns a deep rose.

Kerria japonica pleniflora, with its bright green leaves and stalks, and its long blooming season, provides a fine yellow flowering shrub of a color found in only a few varieties—distinct contribution to late Summer.

Hypericum is not so well known, but its yellow blossoms in August and September are unexcelled at a season when there is all too little bloom in the garden.

*Hydrangea paniculata grandiflora*



Deutzia gracilis

The old familiar *Hibiscus syriacus* (*Rose of Sharon*), the last of all shrubs to bloom, must be included in any well-balanced planting.

Kolkwitzia amabilis (*Chinese Beauty Bush*) is one of the best shrubs obtainable. It is bound to be a leader of the pink-flowered shrubs.

The *Philadelphus*, particularly the variety *P. virginialis*, is a remarkably fine subject. Its cream white flowers, large and very fragrant, make it excellent for grouping in conjunction with the pink *Kolkwitzia* or the red *Weigela Eva Rathke*.



Pink Weigela (Weigela rosea)



Forsythia

SPECIAL

Low-Priced Combination Offer

FOUNDATION PLANTING

See illustration page 2.

Number 8

2 <i>Lonicera Morrowi</i>	3-4 ft.
10 <i>Ligustrum ibota Regelianum</i>	1½-2 ft.
3 <i>Symphoricarpos racemosus</i>	2-3 ft.
2 <i>Pinus Mugho</i>	2 ft.
1 <i>Syringa vulgaris alba</i>	3-4 ft.
1 <i>Ampelopsis tricuspidata</i>	1½-2 ft.

\$17.50 value at \$15.00

Number 9

2 <i>Philadelphus virginialis</i>	3-4 ft.
10 <i>Hypericum Henryi</i>	2-3 ft.
2 <i>Kolkwitzia amabilis</i>	1½-2 ft.
2 <i>Juniperus cracovica</i>	2½-3 ft.
1 <i>Hibiscus syriacus</i>	2-3 ft.
1 <i>Euonymus radicans vegeta</i>	3 yr.

\$21.00 value at \$18.00



Spiraea Van Houttei

The *Syringa* (*Lilac*), with its many colors (both single and double), makes a fine hedge planting. The blooming period is all too short, but there is no shrub that can equal its rich, dark green foliage. The lilac makes a wonderful background for perennials, roses and, in fact, an excellent background for almost any plant.

Those who find pleasure in attracting birds to their grounds should not fail to include a few of the *Rhodotypos kerrioides*, *Symphoricarpos*, *Lonicera*, *Cotoneaster* and *Viburnum* for their many colored berries in Fall and Winter. Many different varieties are available.

Most shrubs are priced within the means of any pocket book, and grow so rapidly that a fine selection of the smaller sizes pays big dividends in a year or two.

F L O W E R I N G

(All Data Based On Average Conditions.)

Scientific Name	Common Name	Growth		Habit	Foliage				
		Ht.	Rate per yr.		Color	Remarks	Color		
AGANTHOPANAX pentaphyllum	Five-leaved Aralia	8'	18"	Erect, arching	Light green	Five leaflets	Greenish		
AZALEA arborescens	Sweet Azalea	10-12'	6"	Broad, irregular	Pale green	Before flowers	White to pink		
A. calendulacea	Flame Azalea	8'	6"	Erect, irregular	Dark green		Orange		
A. mollis	Chinese Azalea	6'	6"					Orange	
A. Vaseyi	Pinkshell Azalea	6'	6"					Shell pink	
A. viscosa	Swamp Azalea	8'	6"					White	
BERBERIS Thunbergii	Japan Barberry	5'	12"			Broad, compact	Bright green	Small, oval	Yellowish
B. Thunbergii atropurpurea	Red-leaved Barberry	5'	6"	Red					
B. Thunbergii minor	Box Barberry	3'	4"	Bright green			Yellowish		
BUDDLEIA alternifolia	Hardy Buddleia	10'	2'	Spreading, arching	Dull green	Lance-shaped	Purple		
B. Davidii Veitchiana	Butterfly Bush	5'	5'		Gray green				
CALLICARPA japonica	Japan Beauty Berry	4'	6"	Dense, branching	Dark green	Large	Pink		
CALYCANTHUS floridus	Sweet Shrub	6'	2'	Broad, irregular				Brown	
CEPHALANTHUS occidentalis	Button Bush	6'	2'	Spreading, irregular				Glossy	
CHIONANTHUS virginica	White Fringe	15'	3'	Tree-like, round head		Yellow in Fall	White		
CLETHRA alnifolia	Sweet Pepper Bush	6'	1'	Upright, irregular		Shining, 3-5"			
CORNUS alba siberica	Red-branched Dogwood	10'	2'	Spreading, rounded	Light green	Red in Fall			
C. alba argenteo marginata	Variegated Dogwood	8'	2'			Edged white			
C. Amomum	Silky Dogwood	10'	2'			Red in Fall			
C. Kousa	Chinese Flowering Dogwood	15'	2'			Erect, vase-shaped		Lustrous, leathery	Creamy white
C. paniculata	Panicled Dogwood	10'	2'			Erect, slender		Whitish below	Cream white
C. stolonifera	Red Osier Dogwood	8'	2'	Spreading, broad	Dark green	Ovate	White		
C. s. flaviramea	Goldentwig Dogwood	8'	2'	Spreading, broad			Ovate	White	
COTONEASTER acutifolia	Peking Cotoneaster	10'	2'	Spreading, ascending			Small, oval	Pinkish white	
C. Dielsiana	Diel's Cotoneaster	6'	18"	Spreading, arching	Dark green	Small, abundant	Pinkish		
C. divaricata	Spreading Cotoneaster	6'	18"	Spreading, twiggy			Glossy	Pink	
C. horizontalis	Rock Cotoneaster	2'	1'	Spreading, dense			Small, shining		
CYDONIA japonica	Japanese Quince	6'	1'	Irregular, bushy	Dull green	Glossy	Flame		
DEUTZIA gracilis	Slender Deutzia	3'	8"	Broad, compact			Slightly hairy	White	
D. Lemoinei	Lemoine's Deutzia	4'	1'	Broad, spreading			Broad, smooth		
D. scabra crenata		6'	1'	Erect, slightly spread.		Ovate			
D. scabra Pride of Rochester	Pride of Rochester	8'	1'	Erect, narrow		Broad, hairy	White, pink tint		
DIERVILLA sessilifolia	Southern Bush Honeysuckle	5'	1'	Spreading, arching	Dark green	Ovate	Yellow		
EUONYMUS alata	Winged Spindlewood	10'	2'	Erect, compact			Brilliant flame (Fall)	Greenish yellow	
EXOCHORDA grandiflora	Pearl Bush	9'	2'	Erect, spreading		Gray green		White	
FORSYTHIA intermedia	Golden Bell	6'	3'	Erect, compact	Light green	Narrow	Yellow		
F. intermedia spectabilis	Showy Golden Bell	8'	3'						
F. suspensa	Weeping Golden Bell	6'	3'			Upright, weeping			Broad
F. suspensa Fortunei	Fortune Forsythia	8'	3'			Erect, arching			Often 3-parted
F. viridissima	Green Stem Golden Bell	10'	3'			Erect, spreading			Purple in Fall
HIBISCUS syriacus	Rose of Sharon	10'	2'	Erect, narrow	Dark green	Broad, 3-lobed	Varied		
HYDRANGEA arborescens grandiflora	Hills of Snow	4'	18"	Symm., fountain-like				White	
H. paniculata grandiflora	Panicled Hydrangea (shrub)	5'	18"	Erect, loose			Large	Pink, white	
H. paniculata grandiflora	Panicled Hydrangea (tree)	12'	2'	Erect, compact head					
HYPERICUM patulum Henryi	Henry's Hypericum	5'	6"	Spreading	Bright green	Small	Yellow		
H. prolificum	Shrubby St. John's Wort	5'	10"	Erect, dense			Glossy	Bright yellow	
KERRIA japonica	Globe Flower	5'	1'	Spreading, arching			Yellow in Fall	Yellow	
K. japonica pleniflora	Double Globe Flower	5'	1'	Spreading, densely twiggy	Dark green	Oval	Pink		
KOLKWITZIA amabilis	Chinese Beauty Bush	6'	18"				Oval leaflets	Purple	
LESPEDEZA bicolor	Bush Clover	6'	6"	Erect, bushy					
LIGUSTRUM ibolium	Ibolium Privet	10'	2'	Horizontal, spread	Dark green	Bronze purple in Fall	White		
L. obtusifolium Regelianum	Regal Privet	5'	2'	Erect, stiff, narrow				Lustrous	
L. ovalifolium	California Privet	8'	2'	Erect, spreading				Downy	
LONICERA Maackii	Morrow's Bush Honeysuckle	15'	3'	Broad, wide-spread		Small			
L. Morrowi	Orange Fruited Honeysuckle	8'	3'	Upright, spreading	Yellow	Gray	Pink, white		
L. Ruprechtiana	Tartarian Honeysuckle	12'	3'	Upright, dense				beneath	
L. tatarica	Silver Leaf Mock Orange	10'	2'	Ascending, spreading				Silvery	
PHILADELPHUS Argentine	Garland Mock Orange	8'	2'	Erect, narrow	Yellow	Tapering	Cream		
P. coronarius	Golden Syringa	10'	2'			Erect			Medium
P. coronarius aureus	Gordon's Mock Orange	10'	2'			spreading			Large
P. Gordonianus	Large Flowered Mock Orange	10'	2'	Upright, spreading	Dark green	Ovate	White		
P. grandiflorus		15'	3'						
P. monstrosus		8'	2'			Upright, arching			Medium
P. Perle Blanc	Virginal Mock Orange	12'	2'	Erect, compact					
P. splendens		8'	2'	Upright, spreading	Bright green	Scarlet in Fall	White		
P. virginalis	Red-berried Photinia	15'	3'						
PHOTINIA villosa	Ninebark	14'	3'	Upright, spreading	Bright green	Broad,	White		
PHYSOCARPUS opulifolius	Golden Ninebark	14'	3'						3-lobed
P. opulifolius lutea	Shrubby Cinquefoil	4'	6"	Rounded, dense	Dark green	Silky	Yellow		
POTENTILLA fruticosa	Flowering Almond	5'	6"	Erect, arching	Dark green	Oblong	Dble. pink		
PRUNUS grandulosa	Beach Plum	10'	6"	Straggling, irreg.			Red to orange in Fall	White	
P. maritima	Double Flowering Plum	6'	6"	Dense, spreading, irreg.			Broad	Dble. pink	

G S H R U B S

(For Quantity Rates See Page 40.)

Flower		Fruit		Landscape Value	Remarks	Prices					
Season (Month)	Remarks	Color	Remarks			12-18"	18-24"	2-3'	3-4'	4-5'	misc.
7	Clustered	Black	Rare in culti.	Massing, hedges	Branches somewhat spiny. Shade.		.35	.50	.75	1.00	
6	Fragrant				Brilliant Autumn color	2.50	3.50				
5-6	Showy			Good with broadleaved evergreens or in mass	Color varies from bright yellow to orange red	2.50	3.50				
5	Shadings vary		Insignificant			3.00					
5	Clustered					3.00	4.00				
6-7	Fragrant				Flowers sometimes tinged pink	2.00	2.50	3.50			
5	Small		Lasts all Winter	Hedge or filler	Fine texture. Good Fall colors.	.20	.30				
5	Clustered	Red		Hedge or filler. Specimen	Full sun	.60	.75				
5				Hedge or filler	Fine texture					.6"	.25
6-9	Round clusters		Insignificant	Specimen	New. Blooms long. Fine texture.	.50	.75	1.00	1.25	1.50	
6-9	Long clusters				Cut to ground in Spring					2 yr.	50c
8	Single	Violet	Fruits in Oct.	Borders, specimen		.60	.75				
6-8	Single		Insignificant	Borders	Spicy fragrance	.50	.75				
7-9	Rounded head	Light brown	Fruits in Oct.	Borders	Likes moisture		.75				
5-6	Tassel-like	Blue black	Fruits in Aug.	Mass or specimen	Flowers fragrant		1.00				
7-9	Fragrant		Nutlets	Mass, specimen	Flower clusters on thin stalks. Shade.	.60	.75				
6	Clustered	Blue white	Berry-like.	Mass, (color contrast)	Red stems in Winter.	.35	.50	.75			
6	Clustered	Blue white	July	Mass.	Stems reddish purple.		.50	.75	1.00		
5-6	Showy bracts	Scarlet		Mass, specimen	Purple branches.		.35	.50			
5-6	Clustered	White	On bright red stalks	Mass.	Attracts birds (rare).	1.00	1.25	1.75			
5-6	Clustered	White	Berry-like. July	Mass, color contrast	Gray branches. One-year twigs red brown	.35	.50	.75			
5-6	Clustered	White	Berry-like. July	Mass, color contrast	Red bark.	.35	.50	.75			
5-6	Profuse	Black	Small	Specimen, hedges	Yellow bark. Also red bark varieties.	.75	1.00				
6	Clustered	Red	Persistent	Specimen, groups	Leaves lustrous.	.75	1.00				
6	Groups of 3-7	Red	Abundant	Specimen	Brilliant Fall foliage. Graceful.	1.00	1.50				
6	Not showy	Yellow	Persistent	Front of shrub bord., rockeries	Crimson Fall foliage					4" pots,	75c
4	Showy		Quince-like	Hedge, mass, specimen	Purchase potted plants only	.40	.50	.75			
5	Bell-shaped			Foreground or hedge	Flowers before leaves. Thorny.	.50					
6	Clustered			Mass or specimen	Slender. Branches droop.		.50				
6	Single		Inconspicuous	Background		.40	.50	.75	1.00		
6	Double					.40	.50	.75	1.00		
6-7	Clustered				Good for naturalizing on road edges and banks.	.50	.75				
7	Inconspicuous	Purplish	Oct., showy	Specimen or mass	Branches corky winged.	.50	.75	1.00			
5	Large, showy						.50	.75	1.00		
4	Showy			Mass, early spring color	Flowers before leaves		.50	.75	1.00		
4	Numerous			Specimen		.40	.60	.75	1.00		
5	Showy					.35	.50	.75	1.00		
4-5	Tinged green						.50	.75	1.00		
8-9	Very late			Specimen, screen-hedge.	Red, pink, white, purple flower. Late.		.50				
7-8	Large clusters		Inconspicuous	Mass		.35	.50	.60			
7-8	Inverted pear-shaped clusters			Mass, specimen	Flower clusters.	.35	.50	.60			
7-8	Clusters			Specimen	Persistent.	.60	.75	1.00			
7	Showy			Naturalizing, mass.	Does well in sandy soil.		.60	.75			
8-9	Clustered			Naturalizing, borders, mass.	Useful in sandy soils.		1.25				
6-10	Single			Mass	Bright green wood		.75	1.00			
6-10	Double				all year		1.00	1.25			
5-6	Clustered			Mass or specimen	New. Extra good	.50	.75	1.00	1.25		
7-10	Pea-like		Pod	Mass	Cut back to ground					2 yr.	50c
7	Small, in clusters	Black	Bloomy	Specimen, hedge-screen	Hardest of all privets	.25	.40	.60			
7		Blue-black				.10	.12	.15	.25		
7		Black	Shiny				.50	.75	1.00		
6	Fragrant	Dark red	berry	Mass, tall screen		.40	.50	.60	.75		
5-6	In pairs	Orange	berry			.40	.50	.60	.75		
5-6	Fragrant	Red	showy				.40	.50	.60	.75	
5-6	Double		currant-like	Specimen, borders	Fine texture, vigorous grower		.50	.60	.75		
5-6	Very fragrant		Inconspicuous	Mass, tall screen	Flowers usually in 3's		.35	.50	.60	.75	
5-6	Abundant, large		Insignificant	Mass	Good foliage accent		.35	.50	.60	.75	
5-6	Slightly fragrant			Mass, tall screen			.35	.50	.60	.75	
6	Scentless			Borders, massing, screens	Flowers in long clusters		.50	.75			
6	Single		Inconspicuous	Specimen, borders			.50	.75			
5	Semi-double		Insignificant	Mass, specimen	Flowers in showy, erect clusters.		.50	.75	1.00		
6	Broad clusters		Fall and Winter	Specimen	Very fragrant		.50	.60	.75		
6	Small, in clusters		Insignificant	Mass, tall screen	Sometimes tree-like in habit.		.50	.60	.75		
6	Abundant			Mass, foreground, low hedge.	Bark peels in thin strips		.35	.50	.75		
6-9					For quick effect. Foliage bronze in Fall.	.50					
4	Showy	Red	Lasts all Winter	Mass	Flowers before leaves	.60	.75				
4		Red-purple	Plum-like, 1/4-1/2"		Picturesque seashore planting	.80	1.00				
4		Red	Plum-like, 1/2-1"		Flowers before leaves		.75				

(FLOWERING SHRUBS CONTINUED)

(All Data Based On Average Conditions.)

Scientific Name	Common Name	Growth		Habit	Foliage					
		Ht.	Rate per yr.		Color	Remarks	Color			
PYRACANTHA coccinea Lalandii.....	Laland Firethorn.....	10'	6"	Broad, arching.....	Dark green.....	Small.....	{ White }			
RHODOTYPOS kerrioides.....	Jet Bead; White Kerria.....	5'	1'	Rather stiff.....	Bright green.....	Tapering.....				
RHAMNUS cathartica.....	Buckthorn.....	12'	2'	Upright, stiff.....	Dark green.....	Glossy.....	Greenish.....			
RHUS cotinus.....	Smoke Bush.....	15'	2'	Tree-shaped, dense.....	{ Dark green }	Brilliant in Autumn.....	Purplish.....			
SAMBUCUS canadensis acutiflora.....	Cut-leaf American Elder.....	8'	2'	{ Erect, spreading }		{ Yellow }	Finely cut.....	{ White }		
S. canadensis aurea.....	Golden Elder.....	8'	2'				Coarse.....			
SPIRAEA arguta.....	Snow Garland.....	6'	2'	Erect, narrow.....	Light green.....	Oblong.....	{ White }			
S. Billardii.....		5'	1'	Upright, narrow.....	{ Dark green }	Tapering.....				
S. bumalda var. Anthony Waterer.....	Anthony Waterer.....	3'	1'	{ Spreading, dense }		{ Dark green }	Purple bronze in Fall.....	{ Pink }		
S. Fortunei.....	Callosa Rosea.....	6'	1'				Medium.....			
S. Froebelii.....		4'	1'	{ Erect, arching }	{ Blue green }	Purple bronze in Fall.....	{ White }			
S. Henryi.....	Bridal Wreath.....	8'	2'					Slightly halry.....		
S. prunifolia.....		6'	2'	{ Erect, graceful }	{ Light green }	Glossy red in Fall.....	{ White }			
S. Reevesiana.....		5'	1'	{ arching, slender }				Persistent.....		
S. Thunbergii.....		5'	1'	{ twiggly }		Very small.....	{ White }			
S. trichocarpa.....	Korean Bridal Wreath.....	6'	1'	Erect, dome-shape.....		Glossy, persistent.....				
S. Van Houttei.....		8'	3'	Erect, arching.....	{ Dark green }	Dull red in Fall.....	{ Pink }			
STEPHANANDRA flexuosa.....	Lace Shrub.....	5'	2'	Drooping, spread.....				Fern-like.....		
SYMPHORICARPOS Chenaultii.....		5'	2'	{ Upright, arching }	{ Dark green }	Bluish and downy beneath.....	{ Pink }			
S. racemosus.....	Snowberry.....	5'	2'					Small.....		
S. vulgaris.....	Coral Berry.....	5'	2'	Spreading, compact.....		Crimson in Fall.....	White.....			
SYRINGA Josikaea.....	Hungarian Lilac.....	12'	3'	Erect, stiff.....	{ Dark green }	Lustrous.....	Bluish purple.....			
S. microphylla.....		5'	2'	Densely twiggly, spread.....			Ovate.....	{ Lavender }		
S. persica.....	Persian Lilac.....	8'	2'	Upright, arching.....	{ Dark green }	Small.....	{ White }			
S. villosa.....	Late Lilac.....	9'	2'	Upright, dense.....		Pale green.....		Dull.....	Pale pink.....	
S. vulgaris alba.....	Common White Lilac.....	12'	2'	{ Erect, slightly spreading }	{ Dark green }	{ Ovate }	White.....			
S. vulgaris.....	Common Purple Lilac.....	15'	3'						Purple.....	
French Hybrid Lilacs.....	Charles The Tenth.....	10'	18"	{ Compact, tree }	{ Dark green }	{ Ovate }	{ Reddish purple }			
	Congo.....	10'	18"							Rose mauve.....
	Lamarine.....	10'	18"							Pale lilac.....
	Lucy Billel.....	10'	18"							Dark purple.....
	Ludwig Spaeth.....	10'	18"							Blue purple.....
	Lutesce.....	10'	18"							White.....
	Marie Legraye.....	10'	18"							Magenta.....
	Monge.....	10'	18"							Purple.....
	Negro.....	10'	18"							Dark violet.....
	Nigracans.....	10'	18"							Lavender.....
	President Lincoln.....	10'	18"							Purple.....
	Royal Blue.....	10'	18"							Lilac.....
	Varina.....	10'	18"							Purple.....
	Chas. Joly.....	10'	18"							White.....
	Ellen Wilmott.....	10'	18"							Rosy lilac.....
	Emile Lemoine.....	10'	18"							White.....
	Jeanne D'Arc.....	10'	18"							Pinkish lilac.....
	Mme. Jules Finger.....	10'	18"							Lilac blue.....
	Pres. Grevy.....	10'	18"							
TAMARIX indica.....	Indian Tamarack.....	30'	3'	Erect, open.....	Light green.....	Feathery.....	Pink.....			
VACCINIUM corymbosum.....	High-bush Blueberry.....	5'	1'	Erect, dense.....	{ Dark }	Scarlet and orange in Fall.....	White.....			
VIBURNUM acerifolium.....	Maple-leaved Viburnum.....	6'	2'	Branching irreg.....			Purple in Fall.....	White.....		
V. Carlesli.....	Fragrant Viburnum.....	5'	18"	Broad, round, compact.....	{ Dull green }	Large, oval.....	Pink-white.....			
V. cassinoides.....	White Rod.....	6'	18"	{ Upright }			Thick.....	White.....		
V. dentatum.....	Linden Viburnum or Arrow Wood.....	15'	2'	{ bushy }	Dark green.....	Purple-red in Autumn.....	{ White }			
V. lantana.....	Wayfaring Tree.....	15'	2'	Upright, tree-like.....	Gray green.....	Red in Fall.....	{ White }			
V. Lentago.....	Nannyberry.....	30'	3'	Erect, slender.....	Light green.....	Glossy.....	Creamy.....			
V. opulus.....	High Bush Cranberry.....	12'	2'	Upright, compact.....	{ Dark green }	Maple-shaped.....	{ White }			
V. opulus nanum.....	Dwarf Viburnum.....	2'	6"	Broad, compact.....			Small, 3-lobed.....			
V. Sieboldii.....		12'	2'	Spreading, tree-like.....	{ Dark green }	Rough.....	Cream white.....			
V. tomentosum.....	Doublefile Viburnum.....	10'	2'	{ Horizontal, spreading }			Red in Autumn.....	White.....		
V. tomentosum plicatum.....	Japan Snowball.....	8'	2'	{ spreading, irreg.....			Dble. white.....			
VITEX macrophylla.....	Big Leaf Chaste Tree.....	6'	1'	Erect, open.....	{ Dark green }	Palmately 5-lobed.....	Lavender blue.....			
WEIGELA Abel Carriere.....		10'	3'	{ Spreading, bushy }		{ Dark green }	{ Medium to large }	Rose.....		
W. candida.....	Snow Weigela.....	8'	3'						White.....	
W. Eva Rathke.....	Red Flowering Weigela.....	5'	2'						Red.....	
W. Hendersonii.....		10'	3'						Rose.....	
W. rosea.....	Pink Weigela.....	8'	2'			Pink.....				
ZANTHORHIZA apifolia.....	Yellow Root.....	2'	6"	Spreading, irregular.....	Bright green.....	Yellow in Autumn.....	Purple.....			

(FLOWERING SHRUBS CONTINUED)

For Quantity Rates See Page 40.)

Flower		Fruit		Landscape Value	Remarks	Prices								
Season (Month)	Remarks	Color	Remarks			12-18"	18-24"	2-3'	3-4'	4-5'	misc			
5	Inconspicuous	Scarlet	Apple-like, 1/2"	Mass, hedge-specimen	Thorny		1.50							
5	Showy	Black	Lasts all winter	Mass	Very hardy and vigorous		.40		.75					
Spring	Small	Black	Berry-like, Fall	Hedges, borders	Thrives in partial shade. Spine-tip branch.		.40	.50						
6-7	{ Plumy flower stems with feathery hairs }		July-August	Mass, specimen	Aromatic foliage, fine texture		.75	1.00						
6-7	Clustered, fragrant	Purple	Berry	{ Mass }	{ Good near water }		.50		.60	.80				
6-7	Abundant	Red	Summer					.40	.50	.75				
7-8	Dense spikes			Mass or hedge	Slender, fine texture		.40	.50	.75					
7-9	Flat heads			Mass	Sparsely twigged		.40	.50	.75					
6-7	Small heads			Mass			.50	.75						
7-8	Flat heads			Foreground, low hedge	Similar to Waterer, but taller		.40	.50						
6	Clusters 3-5"		Insignificant	Mass			.50	.60	.75	1.00				
5	Very double			{ Mass or specimen }	Fine texture		.35	.50	.75					
6	Single					Not hardy in exposed places		.35	.50	.75				
5	Small clusters			{ Mass or hedge }	Good at shore; bright Fall colors		.35	.50						
6-7	Round clusters					Very good		.50	.75	1.00	1.25			
5	Numerous			{ Mass }	Good in exposed places		.35	.50	.75	1.00				
5	Small, not showy					Foliage bronze-red in Fall		.50	.60					
7	{ Small bells }	Red	Dotted, Aug.	{ Mass }	Berries carried into winter			.50	.75					
6-9	Clustered	White	Round, waxy, Fall			Mass, good for contrast	Leaves and fruit last thru Fall		.35	.50	.75			
6	Small berry	Rose	Small berry, July	Mass	Remove seed from all Syringas		.75	1.00						
5-6	Slightly fragrant		Insignificant	{ Mass, screen, hedge, specimen }	Flowers twice in one year		2.00	3.00	4.00					
5-6	Single, fragrant					Remove seed			.75	1.00				
5-6	Loose clusters		Inconspicuous	{ Specimen, borders }	Stout branches. Late. Very hardy		.40	.50	.75					
6	Abundant							.50	.75					
5-6	{ Fragrant }			{ Mass, screen, hedge, specimen }	Remove see from all Syringas		.50	.75						
5-6	{ Single, fragrant }		Insignificant						.50	.75				
										.75	1.00	1.50		
										.75	1.00	1.50		
										.75	1.00	1.50		
										.75	1.00	1.50		
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									.75	1.00	1.50			
							.75	1.00	1.50					
						.75	1.00	1.50						
						.75	1.00	1.50						
6	Long clusters			Near woods or water	Good for seashore planting		.50							
6	Bell-shaped	Blue	Edible, Aug.	Mass-screen	Thrives in swamps		1.25	2.00						
5-6	Flat, round clusters, 1-3"	Black	Aug.-Nov.	Mass, good naturalized	Fruit attracts birds in Winter		.75							
4-5	Salver-shaped	Blue black	Persistent, 1/2"	Mass	Fragrant, attracts birds in Winter		2.00							
6-7	Clustered	Dark blue		Naturalizing, borders	Fruit pink, changes to dark blue		1.00	1.25						
5-6	Flat, round clusters	Blue black	{ Persistent }	{ Mass }	Attracts birds in Winter. Thrives in moist soil		.35	.40	.50					
5-6	Clustered 1/4"	Red to black	1/4-1/2"						.50	.75	1.00			
5-6	Fragrant	Blue black	Persistent	Border, screen, naturalize.	Often tree-like in habit		.40	.50						
5-6	Long clusters	Scarlet	Persistent, 1/2"	Mass	Attracts birds in Winter		.50	.60						
5-6				Low edging						6-8", 50c				
5-6	Clusters, 2-4" broad	Pink to black	Egg-shaped, 1/2"	{ Mass }	{ Attracts birds in Winter }		.75	1.00						
5-6	Flat heads	Red to black	Ellipsoid						.50	.75	1.00			
5-6	Sterile		None				.75	1.00						
7-8	Large clusters		Small, round	Mass, good accent	Hardy		.75	1.00						
6	Abundant		Inconspicuous	Specimen, borders	A rare variety		.40	.50	.75					
6	Tinged pink in age			{ Mass or specimen }	Best Weigela		.50	.75						
6-8	Abundant						Strong growing		.50	.75				
6	Funnel-shaped		Insignificant	{ Mass or specimen }	The best bank blinder		.35	.50						
6	Showy								.60					
4	Small			Mass or ground cover			.60							

ROSES



Radiance (H. T.)

ROSSES, probably the most beloved of all flowers, should be in every garden. In form, color and fragrance, they are Nature's masterpiece. No other flower can take their place, either in a garden or in a vase. And, fortunately, none of the many beautiful varieties is difficult to plant. Although they must be amply fed, they respond wonderfully to a little care.

The Hybrid Teas or Everblooming roses offer a wide range of color and shape of flower, supplying table decoration from June until frost. They embody the delicate and delightful fragrance of the tea roses with the vigor and color of the Hybrid Perpetuals. With adequate protection, they will succeed in all but the coldest parts of the United States.

Personal taste enters so largely into selection that we hesitate to express preference. However, a few which always give results among the reds and pinks are: *Betty, Jonk. J. L. Mock, Etoile de Holland, Gruss an Teplitz, Lady Ursula, La France* and *Red Radiance*.

Among the coppers and yellows are: *Betty Uprichard, Duchess of Wellington, Miss Lolita Armour, Lady Margaret Stewart, Rev. F. Page Roberts, and Souvenir de Claudius Pernet*. All of them are very popular.



Killarney (H. T.)

Hybrid Perpetuals, known for their prolific flowering in June and also a scattering of bloom in Autumn, are hardier and require less care than Hybrid Teas. Among the Hybrid Perpetuals, we especially recommend *Captain Hayward, Frau Karl Druschki, General Jacqueminot, Mrs. John Laing* and *Paul Neyron*.

For profusion of flowers, no class of roses equals the Polyanthas. These continuously-blooming roses—hardy, low in growth and brilliant in color—are ideal for planting in solid beds, on the borders of beds and



Polyantha (Dwarf Crimson Rambler)



Dr. Van Fleet (Climber)

walks, and for forcing in pots in Winter. *Miss Edith Cavell* and *Orange King* are particularly fine varieties.

Everyone loves climbers, for everyone admires the dainty, graceful and lavishly colorful picture which these gay little roses make on porches, fences and walls. You will be more than satisfied if you choose *Dr. W. Van Fleet*, *Dr. Huey*, *Breeze Hill*, *Mary Wallace*, *Paul's Scarlet*, *Emily Gray* or *Silvermoon*.

Any and all of the *Rugosa* and *Austrian Brier* roses are fine for a hedge or when mixed in shrubbery. Blooming all Summer, and having brilliant seed pods in Autumn, they add character wherever placed.

If you have an open place, or a spot among shrubs where you can let *Hugonis* grow unmolested, you will be rewarded with a great golden shower of bloom long



Frances Scott Key (H. T.)



Paul Neyron (H. P.)

before other roses have started. Every branch becomes lined on both sides clear to the top with closely set wide-open single flowers like yellow hollyhocks.

All our roses are of the highest grade stock, and are grown in our own nursery. Note the very reasonable prices we quote in the Roses table on pages 26 and 27

R O S E S

Hybrid Tea and Pernetiana Everblooming

(All 2-Year Budded Stock; 85c Each. For Quantity Rates See Page 40.)

Name	Bud	Open Flower	Aroma	Leaf	Disease	Growth	Remarks
Aspirant Marcel Rouyer		Bronzy apricot			Resistant	Vigorous	Good for massing
Betty	Copper-pink	Large, buff-pink	Slight	Glossy	None	Vigorous, branching	
Betty Uprichard	Copper-red	Copper-red	Spicy			Vigorous	Heat resistant; semi-double
Briarcliff	Large, pointed	Rose pink	Yes			Vigorous, branching	Free-flowering
Chas. K. Douglas	Pointed	Loose, scarlet	Slight		Resistant	Vigorous, branching	Extra good
Columbia		Bright pink					Buds apt to be blotchy; needs shade, water and heavy feeding
Dame Edith Helen	Ovoid	Clear pink	Yes	Good			Large and perfect flowers
Duchess of Wellington	Tapering, golden orange	Large; saffron yellow				Vigorous	Extra good
Edel	Small, red	Globular, ivory white	Slight		Subject to		Flowers may "ball," damp weather
Edward Mawley	Black red	Dark red					Heavy feeder
Etoile de France	Globular	Crimson					Buds may "ball" in wet and heat
Etoile de Holland	Small, red	Scarlet	Yes				World's best red
Feu Joseph Looymans	Pointed, orange-buff	Apricot-yellow		Fine		Vigorous, bushy	Flower best in cool weather
Frances Scott Key	Large, light crimson	Very dble., crimson		Good			
Friedrichsruh	Large	Dark wine red	Very			Spreading	
Golden Ophelia		Golden yellow	Faint		Resistant		Color richest in Fall
Grüss an Teplitz		Medium size, crimson	Very			Vigorous	Mass alone. Do not prune. Remove only dead wood and seed pods
Jonk J. L. Mock	Large crimson	Large carmine-pink		Good			Petals darker on outside
Kaiserin Augusta Victoria	Cream	Snow white				Moderate	Standard white
Killarney Double White	Pointed, white	Large, white	Yes		Some mildew when wet	Moderate	
Killarney Queen	Pointed	Pink			Resistant		Best of Killarney type
Königin Carola	Large, pointed	Silvery rose	Slight			Vigorous	Easily grown; dependable
Lady Alice Stanley	Massive, pink	Pink	Very	Fine	None		One of best pinks
Lady Ashtown		Deep pink; yellow base	Yes	Good	Subject to		
Lady Hillingdon	Slender	Saffron yellow				Moderate	Needs protection
Lady Margaret Stewart		Large golden yellow, streaked orange	Slight	Fine	Resistant	Vigorous	
Lady Ursula		Light pink, yellow base				Very vigorous	Grows 3 to 5 feet
La France		Pink, silvery tints	Very			Vigorous	The oldest H. T., but very good
Los Angeles		Salmon pink, yellow shading	Very	Fair	Subj. to Black-spot 2nd yr.	Fair	
Luxemburg	Orange yellow	Orange yellow		Fair			Does best in South
Miss Lolita Armour		Copper, orange tinge	Yes	Poor		Vigorous	
Mme. Butterfly	Light pink	Light pink, gold base		Good	Resistant	Very vigorous	Good standard
Mme. Caroline Testout	Globular	Satiny rose	Slight	Fair	Subject to	Vigorous	
Mme. Edouard Herriot	Coral-red and orange	Large semi-dble., orange-red		Fair	Subject to	Moderate	
Mrs. Aaron Ward	Small, golden-buff	Dble. gold and pink	Yes	Fine		Dwarf	General favorite
Mrs. A. R. Waddell	Tapering, yellowish copper	Bronze-pink and apricot			Resistant	Branching, very vigorous	Nearly single
Mrs. Calvin Coolidge		Buff-yellow and orange	Slight	Good		Moderate	
Mrs. Charles Bell	Shell pink	Globular, shell-pink	Yes	Fine		Very vigorous	
Ophelia		Pink and creamy white		Good	Subject to		An old favorite
Radiance	Globular, brilliant rose	Rose pink	Very	Very good	Resistant	Vigorous	One of most dependable
Red Radiance	Globular, rose red	Large, deep rose pink					Free-blooming
Rev. F. Page Roberts	Long, copper-red	Golden yellow, stained red	Yes	Fine		Very vigorous	One of the best
Souvenir de Claudius Pernet	Yellow	Yellow			Resistant	Vigorous	Remove center bud in cluster; likes dry, warm, sunny days
Sunburst		Yellow, orange center	Yes	Good		Spreading	
Talisman		Copper red		Good		Moderate	Free-blooming; unusual color
Ville de Paris	Round, yellow	Globular, yellow	Yes	Leathery		Tall, vigorous	New; good
William F. Dreer		Gold, fawn & orange pink		Fair	Resistant	Moderate	Half shade; plenty fertilizer
William F. Kordes	Long, pointed	Golden salmon	Very	Leathery		Vigorous	Flowers of fine form and quality
Willowmere		Pink, yellow center	No	Fair	Subject to	Vigorous	

Polyantha

(75c Each. For Quantity Rates, See Page 40.)

Ellen Poulsen		Rose pink	Yes				
Ideal		Globular, velvety crimson					All these roses bloom from June till frost, and surpass all others in profusion of flower, lending luxuriant color to the grounds. They are ideal for bedding, edging of beds and walks, or forcing in Winter. Low in growth, and perfectly hardy.
Miss Edith Cavell		Semi-double scarlet white eye		Good	Resistant	Bushy, 1½-2', vigorous	
Mme. Norbert Lavvasseur		Crimson red cluster	None				
Orange King		Small, bright orange					
Orleans		Geranium pink, white center					
Triomphe Orleanais		Cherry red		Glossy			

(ROSES CONTINUED)

Hybrid Perpetual

(All 2-Year Budded Stock; 75c Each. For Quantity Rates See Page 40.)

Name	Bud	Open Flower	Aroma	Leaf	Disease	Growth	Remarks
Alfred Colomb		Globular, light crimson	Very	Fine		Vigorous	Blooms Spring and Fall
Black Prince		Dark crimson					A very old variety, still good
Captain Hayward		Scarlet-crimson	{ Yes }	Good		Very vigorous	{ Better in greenhouse. Blooms Spring and Fall }
Clio		Globular, pale pink			Resistant	Erect, vigorous	Disbud
Frau Karl Druschki	Long-pointed, pinkish	Snow white	No			{ Very vigorous }	Must be pruned severely
General Jacqueminot	Crimson	Red	Very				An old favorite. Blooms Spring
George Ahrends		Soft pink	Slight	Fine			Blooms Spring and Fall
George Dickson		Dark red	Very	Fair	Subject to	Vigorous	Blooms Spring only
J. B. Clark		Red, shaded maroon	Slight	Good		Very vigorous	Prune each Spring, and disbud
Magna Charta		Large, bright pink	Very	Fair			{ Blooms Spring only }
Margaret Dickson		White, rose center	Slight	Good	Resistant		
Mrs. John Laing		Dble., clear pink		Fine		Vigorous	{ Blooms Spring and Fall }
Paul Neyron		Dark, lilac rose	{ Very }				Parent of yellow Hybrid Teas
Soleil d'Or		Orange-red to pink		Poor			
Ulrich Brunner		Carmine red		Good	Resistant	Erect, vigorous	Prune closely

Climbing

(All 2-Year Budded Stock; 50c Each. For Quantity Rates, See Page 40.)

Alida Lovett		Shell pink, semi-dble.	Slight			Vigorous	Midseason
American Pillar*		Single, pink	None			Very vigorous	Late
Avlateur Bleriot		Saffron, streaked crimson	Slight	Fine		Moderate	Border, pool or fount. Midseason
Bess Lovett		Large, red, dble.	Yes		Resistant	Very vigorous	Best of red climbers. Midseason
Breeze Hill	Oval	{ White, tinted yellow, rose, apricot }	{ None }			Vigorous	Late
Christine Wright*		Large, pink		Good		{ Moderate }	Early, single
Climbing Amer. Beauty*		Carmine	Very	Fair			Early
Crimson Rambler		Scarlet		{ Poor }	Subject to	Vigorous	Early
Dorothy Perkins		Shell pink	None		to mildew		Late, double
Dr. Huey		Semi-dble., maroon		Good			Best dark red. Midseason
Dr. Van Fleet	Pale pink	Pale pink	Yes	Fine		Very vigorous	{ Midseason }
Emily Gray*		Semi-dble., golden buff	Slight		Resistant	{ Vigorous }	
Eugene Jacquet*		Bright carmine	Yes	Good			Early
Excelsa		Dble. scarlet	None		Subject to	Very vigorous	Late
Flower of Fairchild or Everbl. Crims. Rambler		Red, white base	None	Fair	to mildew		{ Midseason. Blooms intermittantly during season }
Gardenia	Yellow	Creamy		Good			Early
Jacotte*	Apricot	{ Orange-yellow, tinted copper red }	Yes	Hollylike	Resistant	Vigorous	New, very desirable. Midseason
Lady Gay*		Shell pink	None	Poor	Subject to mildew		Similar to Dorothy Perkins. Late
Mary Lovett		Waxy white	Yes	Glossy			Similar to Dr. Van Fleet. Midseason
Mary Wallace		Large, bright pink		Fine		Very vigorous	Extra good. Early
Paul's Scarlet*		Deep scarlet		Good		Moderate	Brightest red. Early
Philadelphia Crimson Rambler		Scarlet		Fair		Very vigorous	Midseason
Purity		Cupped, white	None				Midseason
Roserie		Large, deep pink		Good		{ Vigorous }	Free-flowering. Early
Silver Moon	Creamy	Pure white		Fine	Resistant	{ Very }	Very fine. Midseason
Tausendschon		Cream to white to rose	Slight			{ Vigorous }	Early
W. C. Egan		Pink, dble.				Vigorous	Very hardy
White Dorothy Perkins		Small, creamy white	None	Good		Very vigorous	Flowers dble., profuse. Late
Wichuriana		Satiny white				Vigorous	{ Good ground cover. Thrives in sun or shade }

*Pillar (Others are Ramblers or Climbers)

Rugosa

(2-Yr. Budded Stock, 75c Each. For Quantity Rates, See Page 40.)

Berger's Erfolg		Single, crimson	None			.6'	Blooms continuously
Conrad F. Meyer		Double, silvery pink	Yes			12-15'	Flowers Summer and Fall
F. J. Grootendorst		Small, red				.6'	{ Clusters like }
F. J. Grootendorst Pink	Pink	Small, pink	None			.6'	{ crimson Rambler }
Hansa		Double, reddish violet				.6'	{ Rugosa type is excellent in shrub border or as hedge }
New Century		{ Semi-double, pink, white borders }	Yes	Good	Resistant	.6'	
Nova Zembla		White, tinged pink	Little			.6'	Use as specimen
Rosarie de L'Hay		Double, dark red	Very			.8'	Continuous bloomer
Slr Thomas Lipton		White	Little			.10'	{ Very hardy, fine for seashore locations and where Winters are severe }

SPECIAL

(75c Each. For Quantity Rates, See Page 40.)

Rosa Hugonis (Golden Rose of China)		Single, yellow		Good	Resistant	{ Vigorous }	.8'	{ Earliest to bloom (Apr.) Mass, hedge or specimen }
Harrison Yellow		Semi-double, yellow	None	Good	Resistant		.6'	{ Good shrub or hedge }
Perslan Yellow		Semi-double, yellow		Inferior	Subject to		.5'	{ plant. Blooms early }



Peonies are Unequaled as a Border Planting

PERENNIALS

PERENNIALS! What home planting is complete without these bright colored flowers? Even if one cannot afford an extensive planting about the home, a small selection will contribute a luxuriance of bloom to the grounds, as well as supply gorgeous bouquets.

Most people who now have gardens will prefer to make their own selections, either to augment their present plantings or to make replacements. However, to make it easy for those just beginning, we have made up selections of hardy and easily grown material, which will supply sequence of bloom throughout the season. Check plants when received against the Perennials table, and plant tall-growing varieties in the rear, grading down to the lowest plants in front.



Sweet William (Dianthus barbatus)



Regal Lily (Lilium regale)

Bear in mind the blooming date and arrange your material to give bright spots of color here and there.

COMBINATIONS

24 plants our selection to give balanced bloom . . .	\$ 5.00
50 plants our selection to give balanced bloom . . .	10.00
80 plants our selection to give balanced bloom . . .	15.00
135 plants our selection to give balanced bloom . . .	25.00
275 plants our selection to give balanced bloom . . .	50.00



Japanese Iris (*Iris Kaempferi*)



German Iris (*Iris germanica*)

2. Set the stones at right angles to face of soil, so that water will follow the stone back to plant roots.

3. Average garden soil will suffice, and, if fine stone chips can be had without too much trouble, scatter them over the surface to give a perfectly natural effect.

4. Do not make the surface of a rock garden uniform. It should be full of hills and valleys. Observe rock groupings in nature, and you will have the idea.

Which plants to select is a problem to many, and for those who do not feel confident to choose a list of plants giving bloom throughout the season, we will supply combinations listed below—all composed of plants which are very popular with lovers of rock gardens and which are very appropriate for this type of planting.

ROCK GARDENS

We know of no part of gardening that offers such a fine opportunity to let one's ideas have full play as in rock gardening. There are innumerable combinations which anyone can work out if he will follow the few simple rules which are given on this page. The rock garden has an added charm if one can incorporate a water feature. The music of falling water lends a note of natural beauty obtainable by no other means.



Lily-of-the-Valley (*Convallaria majalis*)

Those who have a wall, or who plan building one, will find it an ideal place to construct a rock garden, as it not only serves to hold the soil but provides beauty and pleasure also. And you will find the expense much less than it would be if you built the rockery by itself.

1. Use both large and small stones in combination, and of a porous texture. Secure lichen-covered stone where possible, and stones of approximately the same color and texture.



ROCK GARDEN COMBINATIONS

24 plants our selection	\$ 5.00
50 plants our selection	10.00
80 plants our selection	15.00
135 plants our selection	25.00
275 plants our selection	50.00



Snow-in-Summer (*Cerastium tomentosum*)

PERENNIALS

(All Perennials Are 25c Each Except as Noted. For Quantity Prices, See Page 40)

Scientific Name	Common Name	Growth		Leaves	Flowers		Environment	Remarks	Pr.
		Ht.	Habit		Season (Mo.)	Color				Type
ACHILLEA									
Millefolium roseum	Milfoil	18"	Bushy	Small, green	7-8	Rose	Flat head.	Sunny, dry	Excellent for florists.
A. Ptarmica, The Pearl		2'				White			Dried blooms last all Winter. Foliage aromatic
ACONITUM Fischeri	Monkshood	2-3'	Slender	Large, much divided	9-10	Dark blue		Fertile soil.	Roots poisonous. 35c
A. Wilsoni		4-5'			9-10	Mauve		Sun or shade	Fine for naturalizing 60c
ALTHEA rosea	Hollyhock	5-6'	Tall	Large, round	7-8	Yellow, red, rose, white	Spike	Fertile loam, sun	Good for screen or rear of border
ALYSSUM rostratum	Rock Madwort	6-8"	Shrubby	Small, gray	6-7-8	Pale yellow	Loose head	Sunny, dry	Good rock plants, especially A. sax. compact.
A. saxatile compactum		12"	Loose bush	Large, gray	5	Rich yellow			
ANCHUSA angustifolia		2'		Narrow	7-8	Sky blue		Fertile, sunny	Border
A. italica var. Dropmore	Bugloss	4-5'	Bushy	Large, rough	6-7-8	Blue	Spikes	Sunny, moist	Splendid border plant.
A. myosotidiflora		12"			5				Rock plant. 35c
ANTHEMIS tinctoria	Yellow Chamomile	1½'	Bush	Finely-cut, green	6-9	Yellow	Large daisy	Any sunny soil	Good cut flower.
A. tinctoria Perry's var.		18"	Bushy	Finely-cut	6-8	Gold. yellow			Larger fl., better color. 50c
AQUILEGIA alpina	Alpine Columbine	12-18"	Bush	Finely-cut	5-6	Powder blue	Spurred	Sunny, well-drained	Rare rock plant. 30c
A. caerulea	R. Mt. Columbine	18-24"	Bush		6-7	Blue, white	Spurs		Border or rock garden. 30c
A. caerulea var. Copper Queen		18-24"	Bushy	Divided leaf	6-7	Copper-red Rose,	Spurred	Fertile, sunny	. . . . . 30c
A. caerulea var. Rose Queen		18-24"			6-7	white center	Spurs		. . . . . 30c
A. flabellata nana alba		8-10"		Lobed, pale green	5-6	White	Spurs		Excellent rock plant. 30c
A. hybrids		18-24"	Bush	Divided leaf	6-7	Various	Long spurs	Sunny, well-drained	Border or rock garden 30c
A. Skinneri		18-24"			6-7	Scarlet, green	Long spurs		rock garden 30c
ARABIS alpinus nanus compactus	Rock Cress	8-9"	Prostrate	Coarse, gray	4-6	White	Small, numerous	Sunny, dry	Excellent rock plant
A. alpinus nanus compactus rosea		8-9"			4-6	Pink			. . . . . 30c
ARENARIA montana	Sandwort	6"	Tuft	Small, green	5	White	Starlike, numerous	Any sunny soil	Should be in every rockery
ARMERIA Lauchiana	Sea Pink	3-6"		Grassy green	5-8	Rosy red	Small	Sunny, light	Rockery or border. 30c
ARTEMISIA lactiflora	Southernwood	3-4'	Bush	Divided, green	8-9	White	Spray	Sunny, rich, moist	Very fragrant. 30c
A. Silver King		2-3'		Beautiful silver	8-9				Good for bouquets. 30c
ASCLEPIAS tuberosa	Butterfly Weed	2'		Good green	7-8	Orange	Spike		Native.
ASTER amellus roseus	Alpine Aster	6-8"	Tuft	Oval, green	7-9	Purple and yellow	Daisy	Sunny, well-drained	Good rock plants
A. diplostephioides		6"			6-7	Blue, purple eye			. . . . .
A. Ptarmicoides	Upland Aster	18"	Bushy	Narrow, green	8-9	White	Star-like	Fertile, sunny	. . . . .
ASTERS, Hardy	Michaelmas Daisy	3-5'			9-10	Various	Daisy		Invaluable border plants
	Anita Ballard	4½'	Bush		9-10	Blue	Daisy		Fine and delicate. 35c
	Climax	4-5'			8-9	Lavender blue	Daisy		New, free-flowering
	Elta	2-3'	Bush		10-11	Lavender	Double		New. 35c
	Enfant de Vitris	3'	Upright		9-10	Pale lilac	Daisy		Tall, slender
	Felthan Blue	3'			8-9	Dark blue	Daisy		. . . . .
	Freedom	2-3'			9-10	Lav. purple	Daisy		. . . . . 35c
	Grey Lady	4'			9-10	Opal	Semi-dble.		Unusual coloring. 35c
	Hansen's Pink	2-3'	Bush		9-10	Deep pink	Single	Rich, sunny	. . . . .
	Heather Glow	4'		Narrow, green	9-10	Rose	Daisy		. . . . . 35c
	King of Belgians	5'			9-10	Lavender blue	Semi-dble.		Vigorous. 35c
	Mrs. McCudden	3'	Branching		9-10	Mauve	Daisy		Extra fine.
	October Dawn	2-3'	Pyramidal		9-10	Lilac	Daisy		Large flowers. 35c
	Peggy Ballard	3'	Bush		9-10	Rose mauve	Double		Large sprays.
	Pink Royal	1½-2'	Upright		9-10	Light pink	Daisy		Low, bushy. 35c
	Queen Mary	2-3'	Bush		8-9	Blue	Single		Large pyramidal trusses. 35c
	Royal Blue	2-3'	Upright		9-10	Purp. blue	Daisy		Cupped flowers. 35c
	Sam Benham	4-5'	Bush		8-9	White	Semi-dble.		. . . . .
	Skylands Queen	Low	Spreading		9-10	Light blue	Daisy		Splendid for cutting. 50c
	White Climax	4-5'			9-10	White	Single		New.
	Ypres	1½-2'			9-10	Rose pink	Single		Compact and fine.
ASTILBE japonica		1½-3'			6-7	White			. . . . . 35c
A. Arendsi hybrids		2-3'	Bush	Lobed, green	6-7				Vigorous. 50c
A. Deutschland		2-3'			6-7	White			. . . . . 50c
A. Gladstone		2-3'			6-7	White			Large flower trusses. 50c
A. Juno		2-3'			6-7	Rose purple			. . . . . 50c
A. Rubens		3'			6-7	Carmin			. . . . . 50c
AUBRETIA hybrids	Rock Cress	2"	Trailing	Small, hairy	4-5	Mixed	Small, numerous	Sunny, dry	Wall or rock garden. 35c
A. Eryii		2"	Trailing	Small, hairy	4-5	Rose pink	Small, numerous	Sunny, dry	Wall or rock garden 35c
A. Leichtlinii		2"			4-5	Bright rose			. . . . . 35c
BAPTISIA australis	False Indigo	2-3'	Bush	Attractive green	6-7	Blue	Spike	Cool, half-shade	Wild garden, or border
BOCCONIA cordata	Plume Poppy	6-8'	Tall bush	Handsome, grayish	7-8	Cream		Any	Splendid in groups.

(PERENNIALS CONTINUED)

(All Perennials Are 25c Each, Except As Noted)

Scientific Name	Common Name	Growth		Leaves	Flowers		Environment	Remarks	Pr.	
		Ht.	Habit		Season (Mo.)	Color				Type
BOLTONIA asteroides	False Chamomile	5-6'	Bush	Good green	8-9	White	Aster-like	Any	Good native plant; border	
CALAMINTHA alpina	Calamint	6"	Prostrate	Small, green	7-8	Purple	Clusters	Sunny, sandy	Rock garden	
CAMPANULA carpathica	Carpathian Harebell	6-8"	Tuft		6-10	Blue	Single cups		Should be in every rock garden	
C. carpathica alba		6-8"			6-10	White				
C. persicifolia	Peach Leaf Bellflower	2'	Bush	Small	5-6	Blue	Large cups	Sunny, rich	Good border plant	
C. persicifolia alba		2'			5-6	White	Large cups		Excellent border plant	
C. pusilla	Blue Bells of Scotland	6"	Tuft		6-9	Blue	Bell		Rock gardens	40c
C. pusilla alba		6"			6-9	White				40c
C. rotundifolia		12"	Bush	Slender growth	6-7-8	Blue	Small cups		Good rock plant	
C. trachelium	Coventry Bells	2-3'	Bushy	Hairy	7-8	Light purple	Drooping	Fertile, sunny	Border	
CENTAUREA dealbata	Persian Centaurea	2'		Large, grayish	6-7	Rose pink	Single hds.			
C. macrocephala		3'			7-8	Yellow	Thistle-like	Sunny, rich	Border plants, good for cutting	
C. montana	Cornflower	2'		Large, green	7-8-9	Blue	Starry heads			
C. montana alba		2'	Bush		7-8-9	White				
CENTRANTHUS ruber	Red Valerian	2'		Good	6-9	Red	Cluster	Sunny, lime	Dry walls, rockery, border	
C. ruber alba		2'			6-9	White				
CEPHALARIA tatarica	Roundhead	5'		Large, deeply cut	7-8	Creamy yellow	Large head	Sunny light	Rear of border	
CERASTIUM tomentosum	Snow-in-Summer	6"	Prostrate	Narrow, silvery	6-7	White	Single, numerous	Sunny, well-drained	Good rock plant	
CHEIRANTHUS Allionii	Siberian Wallflower	1'	Bush	Narrow, green	5	Bright orange	Spike	Sunny, rich	Best used as biennial	
CHRYSANTHEMUM coccineum	Pyrethrum	1-2'	Bush	Feathery, green	6-7	Pink to white	Daisy		The well-known Painted Daisy	
C. leucanthemum	Alaska	3'	Bushy	Large	7-8	Light purple	Drooping	Fertile, sunny	Border	
C. maximum	Shasta Daisy	3'	Bush	Oval, green	6-9	White	Daisy	Sunny, rich	Vigorous grower	
C. praecox	Perfection	3'	Bushy	Large	5-6	White, yellow center	Large	Fertile, sunny	Good for cutting	
CHRYSANTHEMUMS, hardy varieties		2-4'	Bush	Lobed	9-11	Various			Fine for color in Fall	
	Barbara Cumming	2'	Bushy		10	Yellow	Double		Long flowering season	30c
	Frances Whittlesey	18"	Stocky		Late	Bronze garnet	Double			50c
	Gypsy Girl				10	Chestnut crimson	Single		Frost-resistant	30c
	Mrs. J. W. Martin	2'		Dark green, lobed	10	Crimson & strawberry		Sunny, rich		
	Mrs. L. Birchard	2'			Early	Shell pink			Free flowering	
	Normandy	2'	Bushy		Early	White	Double		Medium growth	
	October Dawn	2'			10	Del. pink	Double			50c
	October Girl	2'			10	Rose pink	Semi-dble.			30c
	R. Marion Hatton	2'			Early	Yellow	Pompon		Free flowering. Very early	50c
	Ruth Cumming	2'			10	Reddish bronze	Double			30c
	Ruth Hatton	2'			10	White			Buds lemon yellow	30c
CLEMATIS integrifolia		1 1/2-2'	Shrubby	Divided	6-8	Blue	Small	Rich, sunny	Fragrant	35c
C. recta		2-3'	Shrubby	bright green	6-7	White	Large cluster		border plants	
CONVALLARIA majalis	Lily-of-the-Valley	8"	Clumps	Spear-shaped	5-6		Small spike	Any, shade	Mass near shrubs	50c
COREOPSIS lanceolata	Tickseed	2'		Lobed	6-9	Yellow	Daisy-like	Any, sun	Good cut flower	
DELPHINIUM Belladonna	Larkspur	3-4'			6-9	Light blue			Good for forcing and border	
D. Bellamosum	Larkspur	3-4'			6-9	Dark blue				
D. chinense		12-18"	Bush	Divided, large	6-9	Dark blue	Spike	Rich, shady	Rock garden	
D. chinense album		12-18"			6-9	White				
D. Summer Cloud		3-4'			6-9				Borders and cutting	50c
DIANTHUS barbatus	Sweet William	12"	Bush	Broad, green	6-8	Mixed	Large head			
D. caryophyllus fl. pl.	Clove Pink	18"	Bushy	Long, narrow	7	Rose	Double	Fertile, shady		
D. caesius	Cheddar Pink	6"		Grassy, bluish	6-9	Rose pink	Single 1/2"	Shady, lime		
D. deltooides albus	Maiden Pink	3-4"	Tuft	Small, green	5-9	White	Small, many	Rich, shady	Good plants for the rock garden and border	
D. deltooides Brilliant	Pink	3-4"			5-9	Bright crimson				
D. nanus fl. pl.	Garden Pink	8-12"			8-9	Pink			for cutting. Fragrant.	
D. plumarius			Bushy	Long, narrow	6-9	Bright rose	Double	Fertile, sunny		
D. superbus	Grass Pink	18"			6-9	Pink	Single			
D. Garden Pink	Garden Pink	12-18"			8-9					
DICENTRA formosa	Bleeding Heart	18"		Finely-cut, green	5-9	Rose	Drooping spike	Cool, moist, shade	Very choice Plant	35c
D. spectabilis	Heart	2-3'			5-6	Rose			Forcing. (Sept.-Nov.)	50c
DICTAMNUS fraxinella	Gas Plant	2-3'	Bush	Handsome green	6-7	Rose	Spike	Rich, sunny	Good border plant	30c
DIGITALIS gloxiniaeflora	Foxglove	3-4'		Large, rough	6-7	Rose, purple, white, mixed	Spikes	Half-shade	Plant in rear of border or mass among shrubs	
DORONICUM caucasicum	Leopard Bane	12"		Large, coarse	5-6	Yellow	Large, sgle.	Any	Good cut flower	50c
DRABA grandiflora	Whillow Grass	2-3"	Tuft	Small, green	4-5	White	Spike	Sunny, lime	Rock plant	
ECHINOPS Ritro	Globe Thistle	2-3'	Bush	Thistle-like	7-8	Steel blue	Globe	Sunny, rich	Showy border plant	
ERIGERON Coulteri	Flea Bane	6-8"	Tuft	Low, aster-like	6-7	Violet	Daisy	Any, sunny	Rockery or front border	
E. multiradiatus	Flea Bane	6"	Tufted	Oblong, green	7	Purplish, single	Aster-like	Well-drained	Good rock plant	
ERYNGIUM amethystinum	Sea Holly	2'	Low	Thistle-like	6-8	Steel-blue	Candelabra	sun	Very decorative; good dried flowers	
E. planum		2'			7-8	blue				

(PERENNIALS CONTINUED)

(All Perennials Are 25c Each, Except As Noted)

Scientific Name	Common Name	Growth		Leaves	Flowers		Environment	Remarks	Pr.	
		Ht.	Habit		Season (Mo.)	Color				Type
GAILLARDIA grandiflora	Blanket Flower	2-3'	Bush	Good, green	6-10	{ Yellow and reds }	Large daisy	Rich, sunny	Fine for bedding & cutting	
GENTIANA Andrewsii	Closed Gentian	6-8"	Low	Long, broad	7-9	Deep blue	Cluster	{ Moist, partial shade }	Native rock garden plant	.30c
GEUM atrosanguineum fl. pl.		6-8"	{ Clump }	{ Hairy, green }	6-9	Scarlet	Double	Sunny, drained	Good rock plant	.30c
G. Mrs. Bradshaw	{ Mouse Ear }	18"			6-9	Dble. red	{ Rose-like }	{ Rich, sunny }	{ Good border plant }	.30c
G. Lady Stratheden	{ }	18"			6-9	Sgle. yellow	{ }	{ }	{ }	.30c
GLOBULARIA trichosantha	Globe Daisy	6"	Low clump	Small, dark green	6-9	Lilac blue	{ Numerous globes }	{ Sunny, well-drained }	{ Excellent and curious rock plant }	.50c
GYPSOPHILA Bristol Fairy	Baby's Breath	3½'	Bush	Narrow, green	6-10	Dble. white	Spray	{ Sunny, well-drained }	The best Gypsophila	.50c
G. cerastioides	{ Gypsophila }	4"	Creeping	Small, hairy	5	{ White & pink }	{ Small, numerous }		Good rock plant	
R. repens		4"	Trailing	Narrow, green	5-9	White	Spray		Excellent rock plant	
HELIANTEM autumnale hybrids	Sneezewort	2-5'	Bush	Good	7-10	{ Yellow to bronze }	{ Clusters, daisy }	Rich, sunny	Splendid for background	
HELIANTHEMUM citrinum	{ Rock Rose }	4-6"	{ Spreading }	{ Small, good }	7-9	Sgle. yellow	{ Many buttercups }	{ Sunny, well-drained }	{ Invaluable for rockery and sunny banks }	
H. Fireball		4-6"			7-9	Dble. red				
H. mutabile		4-6"			6-7	{ Pink, white, yellow }				
HELIOPSIS Pitcheriana	{ False Sunflower }	2-3'	{ Bush }	{ Sunflower-like }	7-8	Golden yellow	Sunflower	{ Rich, sunny }	{ Continuous display from July to Sept. }	
H. scabra zinniflora semiplena		2-3'			7-9	Yellow	Semi-dble.			
HELLEBORUS caucasicus		2'	Bush	Fine, evergreen	2-3	Greenish yellow	Clustered	Rich, shady	Palm-like leaf	.75c
H. niger	Christmas Rose	12"	Bush	Good, evergreen	2-3	{ White, flushed purple }	{ Sgle. Saucer shape }	Rich, shade	{ First plant to flower outdoors }	1.00
HEMEROCALLIS Dumortieri	{ Day Lily }	1½-2'	{ Erect }	{ Long, grassy }	6-7	Orange	{ Lily }	{ Any, damp }	{ Excellent on banks of streams, etc. }	
H. fulva Kwanso		3-4'			7-8	Bronze				
HESPERIS matronalis	Sweet Rocket	2-3'	Bush	Good, green	6-7	Purple	Spike	Any	Wild garden; mixed border	
HEUCHERA hybrids	Coralbells	18"	{ Compact bush }	{ Attractive green }	6-8	{ Pink, red, white }	{ Head of bells }	Rich, sunny	{ Good for rockery or front border }	.35c
HIBISCUS moscheutos	Rosemallow	5-6'	Bush	Large, green	7-8	{ Red, white }	Huge spikes	Any, moist	Large groups and borders	
HOSTA caerulea	{ Funkia }	18"	{ Clump }	Broad, grass-like	7-8	{ Blue }	{ Lily }	{ Moist, part. shade }	{ Useful for edging or massing }	
H. lancifolia variegata		18"		Broad, variegated	7-8					
HYPERICUM perforatum	St. John's Wort	1½-2'	Bush	Small, green	6-8	Yellow	{ Terminal clusters }	Any, sunny	Border plant	.30c
IBERIS gibraltaria	{ Hardy }	8-12"	{ Small bush }	{ Small evergreen }	4-6	White to lilac	{ Dense head }	{ Sunny, well-drained }	{ Excellent for rockery, or edgings }	
I. sempervirens	{ Candytuft }	8-12"		4-6	White					
INCARVILLEA Delavayi	Hardy Gloxinia	18"	Bush	Large, divided	6-9	Rose	Cluster	Rich, sunny	Best in sheltered position	.50c
INULA ensifolia	Swordleaf Inula	15"	Bush	Large	7-8	Yellow	Aster-like	Rich, sunny	Good border plants	
IRIS cristata	Crested Iris	4-6"	{ Dwarf }	{ Small }	5-6	Amethyst blue	Spikes	{ Any, sunny }	Lovely rock plant	.30c
I. Forrestii		20"			6	Yellow			For rock gardens	.50c
I. germanica	German Iris	2-3'	Tall	Large, sword-like	5-6	Various	{ Spikes }			
I. germanica hybrids										
	Albert Victor			Soft blue-violet; tall, with large, fragrant, free-blooming flowers						
	Ambassadeur			S. dark bronze; F. maroon. Tall, vigorous, late						.50c
	Darius			S. lemon yellow; F. dark red-purple, margined pale yellow						
	Gertrude			S. & F. blue-violet, F. with purple sheen						
	George J. Tribolet			S. nigrosin violet, F. velvety blackish red-purple. Darkest among early Irises						.75c
	Gold Imperial			Brilliant yellow; medium height					Plant so that tubers are only half-covered.	.50c
	Harmony			Rich purple blue; effective when planted with lavender					Best season for planting is Aug.-Sept.	1.00
	Honorabilis			S. Primrose yellow; F. velvety madder brown						.35c
	Lochinvar			Dark violet-blue; branches well. Early, with long flowering season						
	Mother of Pearl			S. & F. bluish lavender with creamy undertone. Large flowers of celeste color						
	Mrs. Cuthbertson			S. rose; F. rose, crimson						
	Mrs. H. Darwin			S. & F. pure frosty white with violet markings at center						
	Pariensis			S. amethyst violet, F. rich mulberry. Large and very early						.50c
	Rota			Splendid pink-red; F. velvety, ruffled						.50c
	Rose Unique			S. Bishop's purple; F. bright red-violet						
	Silver Queen			Silvery white, with blue tinge on F. Early						.75c
	Sir Galahad			Lavender and reddish purple. Prolific bloomer						.50c
				("S" means Standards; "F", Falls.)						
IRIS intermedia hybrids	Intermediate Iris	18-24"	Medium	Large, sword-like	5	Various	Spike	Any, sunny	Earlier than German Iris	
	Charmant			Pale porcelain blue. Opens flat. Lovely color tone. Low						.50c
	Crimson King			Rich claret purple						.35c
	Fritjof			S. lavender; F. purple. Excellent for mass effects. Low						
	Ingeborg			Pure white. Large, handsomely-formed flowers						
	Walhall			S. lavender. F. wine-red						
IRIS Kaempferi hybrids	Japanese Iris	3'	Tall	Long, narrow	6-7	Various	Spike	Rich, sunny	Numerous varieties	
	Amethyst			Single. Large, wavy petals of exquisite lavender						.75c

(PERENNIALS CONTINUED)

(All Perennials Are 25c Each, Except As Noted)

Scientific Name	Common Name	Growth		Leaves	Flowers			Environment	Remarks	Pr.
		Ht.	Habit		Season (Mo.)	Color	Type			
IRIS Kaempferi hybrids (Continued)	Caprice			Single	Lavender-blue petals, often striped and mottled					35c
	Carlton Childs			Single	Ivory-white, veined plum. Inner petals pink					75c
	Catherine Parry			Double, with high tufts in center	Blue, overlaid rosy-red					50c
	Gold Bound			Double	Pure white, enriched by a creamy glow from gold-banded center					50c
	Mt. Hood			Double	Light blue, shaded with darker; bright orange center					50c
	Pyramid			Double	Violet-purple, veined white in center of each petal					50c
	Purple and Gold			Large, double flowers of rich violet-purple	Early and free-flowering					35c
IRIS Kaempferi seedlings	Shadow			Single	Dusky red-purple					50c
	Temple Flower			Single	Ivory, blended with soft, bluish violet. Inner petals white, edged Phlox pink					75c
IRIS pumila	Dwarf Iris	3-4"	Dwarf	Small	Blue	Spike	Well-drained, sunny	Rock garden or border		
IRIS siberica	Siberian Iris	3'	Tall	Narrow, grassy	6	White or blue	Spike	Sunny, moist	Fine for waterside and naturalizing	
	I. siberica var. lactea					Milky white				
	I. siberica var. orientalis					Intensely brilliant blue				
KNIPHOFIA corallina	Snow Queen					Large, ivory-white flowers				
	Superba					Violet blue flowers. Splendid foliage				
K. hybrids Express	Red Hot Poker	3-4'	Erect	Long, grassy	8-9	Yellow & scarlet	Large spike	Sunny, sandy	Rather tender; should be stored in sand over Winter. Excellent with shrub background.	
		3-4'			8-9	Yellow & red, mixed				Spike
		3-4'			8-10	Red				
		2-3'			8-10	Red				
LATHYRUS latifolius	Everlasting Sweet Pea	4-6'	Climbing	Pea shape	7-9	Red, pink & white	Sweet pea	Sunny, rich	Excellent cut flower	
L. latifolius albus						White				
						Pearl white				
						Bright rosy pink				
						Violet rose on white ground				
LEONTOPODIUM alpinum	Edelweiss	4-5"	Prostrate	Gray, woolly	6-8	Yellow	Small	Sunny, light	A well-known Alpine	40c
LIATRIS Pycnostachya	Gay Feather	4'	Erect	Slender, grassy	8-10	Purple		Moist	Very striking	
LILIUM auratum	Gold Band Lily	3-5'	Erect	Narrow, grassy	8-9	Ivory white	Spike	Partial shade, rich, drained	Flowers spotted crimson, yellow band. Plant 10" deep. Fragrant. Plant 2" deep	
		3-4'			6-7	White				
		3-4'			6-7	Throat golden to pink & white, outside brown				
		2-3'			6-7	Orange, choc. spots				
L. tigrinum	Tiger Lily	3-4'			8-9		Spike	Partial shade, rich, drained	(Strong grower. Plant 10" deep)	
LINUM flavum	Golden Flax	12"	Bush	Small	6-8	Yellow	Saucer shape	Sun, rich, well-drained	Good rock plant	
		18"			6-10	Pale blue				
L. perenne	Perennial Flax	18"		Small, feathery	6-10			Sun, any	Indispensable. Flowers all summer	
LOBELIA cardinalis	Cardinal Flower	2-3'	Erect	Roundish	8-9	Scarlet	Spike	Partial shade, moist	Native plants	
L. syphilitica	Blue Lobelia	2-3'		Roundish, rough	7-8	Blue				
LUPINUS polyphyllus	Lupine	3-4'		Lobed	6-8	Blue, white, rose				Spike	Sun, rich, moist	Water in dry weather. Various colors on one spike
L. polyphyllus var. Downer's hybrids		3-4'		6-8						
L. polyphyllus var. Moerheimii		2-3'		6-8	Pink			Excellent for borders and cutting	30c	
LYCHNIS alpina		3-4"	Rosette	Small, narrow	5	Pink	Small, spike		Rock garden	
L. chalcedonica alba	Maltese Cross	3'	Erect	Large	6	White				
		3'		hairy	6	Flesh				
L. chalcedonica carnea		3'			6					
L. Coronaria	Mullein Pink	18"	Erect	Silvery	6-8	Rose	Large heads	Light, sunny	Very showy border plants	
L. Coronaria alba		18"		hairy	6-8	White				
L. viscaria	German Catchfly	9-12"		Green, narrow	6-7	Carmine				
L. viscaria splendens		9-12"		Green	6-7	Rose purple				
MERTENSIA virginica	Virginia Bluebells	18"		Roundish, green	5	Blue, fad'g to pink	Bell	Shady, moist	Foliage disap. mid-sum.	
MONARDA didyma	Oswego Tea	2-3'	Clump	Dark green	7-8	Crimson	Spike	Sunny, rich	Splendid border plants	
M. fistulosa	Wild Bergamot	2-3'		aromatic	7-8	Purple				
MUEHLENBECKIA nana	Wire Plant	6"	Dwarf	Small, dark green	8	Pink	Small, sgle.	Sunny, light	Good rock plant	35c
MYOSOTIS palustris	Forget-me-not	9"	Clump	Dark green	6	Deep blue	Small cluster	Partial shade, moist	Border, rock garden or waterside	
NEPETA Mussinii	Catmint	12-18"	Bush	Silvery grey	5-9	Lavender	Small spikes	Any sunny	Invaluable rock plants	
OENOTIERA fruticosa major	Evening Primrose	2'	Bush	Green, glossy	6-9	Yellow	Poppy-shape	Rich, sunny, moist	Fragrant. Opens at night. Border or rock garden.	
ONOPORDON bractiatum	Scotch Thistle	4-6'	Branching	Grey, divided	7	Purple	Thistle	Any sunny	Very ornamental	
PAEONIA officinalis	Peony	2-3'	Bush	Leathery, lobed	6	Various	Huge, rose-shape	Deep, rich, sunny		
EARLY VARIETIES									SEE NEXT PAGE	
Agnes M. Kelway									Collar blush pink, center cream	75c

(PERENNIALS CONTINUED)

(All Perennials Are 25c Each, Except As Noted)

Scientific Name	Common Name	Growth		Leaves	Flowers			Environment	Remarks	Pr.
		Ht.	Habit		Season (Mo.)	Color	Type			
PAEONIA officinalis (cont'd.)										
	Mme. A. Dessert...			Violet rose, crimson center.						\$1.50
	Mme. Calot . . .			Hydrangea pink . . .						.50c
	Mme. de Verneville . . .			White, carmine flecks . . .						.50c
	Philomena . . .			Bright rose, edged dark crimson . . .						.50c
	Umbellata Rosea . . .			Violet-rose, with white center . . .						.50c
	MIDSEASON									
	Alba Plena . . .			White and rose . . .				Strong divisions with 3-5 eyes and good root system. Best planting season is in Sept. and Oct. Dormant roots may be set in Spring. Set Peony roots so that the eyes are not more than 3" below the surface of the ground.		.50c
	Armand Rousseau . . .			Dark violet rose . . .					.75c	
	Canari . . .			Pink and white . . .					.75c	
	Canary Plume . . .			Blush white with yellow center . . .					.50c	
	Delicatissima . . .			Pale lilac rose . . .					.50c	
	Duch. of Portland . . .			Single white, tinted pink at center . . .					\$1.00	
	Duchess of Orleans . . .			Double. Guards deep pink. Center shaded salmon and silver . . .					.50c	
	Eglantine . . .			Double. Dark crimson . . .					.50c	
	Germaine Bigot . . .			Lilac rose. Center flecked crimson . . .					\$1.50	
	Grandiflora Rosea . . .			Light red, salmon shading . . .					.50c	
	Karl Rosenfeld . . .			Dark crimson . . .					\$2.00	
	L'Eclatante . . .			Double. Dark velvety crimson . . .					.50c	
	Madame Bollet . . .			Pale lilac pink . . .					.50c	
	Mme. Crousse . . .			Double. Large pure white, often with crimson blush on central petal . . .					\$1.00	
	Mme. E. Lemoine . . .			Double. Full flowers white, flecked crimson . . .					\$1.00	
	Mme. Lemoine . . .			Violet rose. Collar and crown white . . .				.50c		
	Primavere . . .			Creamy yellow guards, sulphur yellow center . . .				2.50		
	Rubra Triumphans . . .			Double, brilliant scarlet . . .				.50c		
	LATE									
	Humei . . .			Cherry pink . . .				.50c		
	Eugene Verdier . . .			Pale lilac pink . . .				1.50		
	Fragrans . . .			Dark pink . . .				.50c		
	Le Cygne . . .			The finest white . . .				4.00		
	Limosel . . .			Lilac rose . . .				1.50		
	Livingstone . . .			Pale lilac rose . . .				1.00		
	Louis Van Houtte . . .			Dark crimson, very double . . .				.75c		
	Marchal Vaillant . . .			Crimson. Large, full flowers . . .				.50c		
	(Mixed colors, 40c each; \$3.00 per 10.)									
PAPAVER orientale										
	Oriental Poppy . . .	30"	Tuft . . .	Lobed . . .	6-9	Orange, red . . .	Single . . .	Rich, sunny . . .	Plant Sept. to Nov. . . .	.40c
	Crimped Beauty . . .			Large orange scarlet flowers; crimped petals . . .						.40c
	Immaculata . . .			Bright scarlet without spots. Medium size . . .						.40c
	Jennie Mawson . . .			Rich salmon rose, dark blotch at base . . .						.40c
	Orange Queen . . .			Rich orange. Large, free-flowering . . .						.40c
	Perry's White . . .			Satiny white with crimson blotch at base . . .						.40c
	Princess Ena . . .			Salmon, orange mottling. Tulip-like flowers . . .						.40c
	Royal Scarlet . . .			Orange-scarlet. Medium size . . .						.40c
PENTSTEMON digitalis										
	P. ovatus	3'	Bush . . .	Green, glossy . . .	6-7	White . . .	Spike	Deep rich. Sun Fertile, sunny . . .	Good border & cut flowers . . .	. . . . .
	P. Torreyi	3'	Bush . . .	Green, glossy . . .	6-7	Brick red . . .				
PHLOX amoena										
	Hairy-leaved Phlox . . .	6"	Prostrate . . .	Moss-like . . .	6	Rose . . .	Carpet . . .	Deep, rich, sunny soil . . .	Good border & cut flowers . . .	. . . . .
	P. decussata	18-36"	Bush . . .	Green, glossy . . .	7-9	Variou . . .	Spikes . . .			
	Beacon			Brilliant cherry red . . .						. . . . .
	Champs Elysee . . .			Rich crimson . . .						. . . . .
	Comm-in-Chief . . .			Deep crimson red, slightly darker eye . . .						.35c
	G. A. Strohlin . . .			Begonia-rose, with bright carmine eye . . .						.35c
	Jeanne d'Arc . . .			A fine late white . . .						. . . . .
	Johnson's Favorite . . .			Salmon pink, with dark eye . . .						. . . . .
	Jules Breton . . .			Large lilac-rose flowers, pale at center . . .						.35c
	Le Mahdi . . .			Rich wine color . . .						. . . . .
	Mrs. Jenkins . . .			White. Fine for massing . . .						. . . . .
	Orchid Queen . . .			New. Long, erect spikes with large flowers of a gay, vivid shade of orchid, very free flowering . . .						.35c
	Riverton Jewel . . .			Mauve rose, with carmine red eye . . .						. . . . .
	Rynstrom . . .			Lively rose pink. Immense trusses . . .						. . . . .
	Widar . . .			Lavender-blue, paling to white at center . . .						. . . . .
	W. Kesselring . . .			Large dark violet flowers, with lighter eye . . .						.35c
	P. divaricata Laphami . . .	10-12"	Bush . . .	Green, glossy . . .	5-6	Lavender-blue . . .	Spikes . . .	Deep, rich. Sun . . .	Rock garden . . .	. . . . .
	P. ovata caroliniana . . .	12-15"	Low . . .	Green, glossy . . .	5-6	Pink . . .	Clusters . . .			
	P. subulata . . .	6"	Prostrate	Green, narrow . . .	5	Rose purple . . .	Carpet	Rich, sunny . . .	Invaluable for rock and wall garden . . .	. . . . .
	P. subulata Vivid . . .	6"		Moss-like . . .	5-6	Bright pink . . .				
	P. subulata alba . . .	6"		White . . .	5-6	White . . .				
	P. subulata lilacina . . .	6"		Lilac . . .	5-6	Lilac . . .				
	P. subulata suffruticosa . . .	18"		Beautiful, shiny . . .	6-9	White . . .				
	P. suffruticosa . . .	18-24"	Bush . . .	Beautiful, shiny . . .	6-9	Pink . . .	Spike . . .	Sunny, moist . . .	Two of the best garden Phlox . . .	. . . . .
	PHYSALIS Franchetii . . .	2'	Soft, green . . .	7	White, inconspicuous . . .					
	PHYSOSTEGIA virginica . . .	2-3'	Clump . . .	Glossy, green . . .	7-8	Pink . . .	Spike . . .	Sunny, moist . . .	Very useful as cut flowers . . .	. . . . .

(PERENNIALS CONTINUED)

(All Perennials Are 25c Each, Except As Noted)

Scientific Name	Common Name	Growth		Leaves	Flowers		Environment	Remarks	Pr.	
		Ht.	Habit		Season (Mo.)	Color				Type
PLATYCODON grandiflorum	Balloon Flower	3'	Bush	Good, green	6-9	Blue	Spike	Rich, sunny	Splendid border plants. Cut well.	
POLEMONIUM humile	Greek Valerian	15-18"	Bushy	Small, numerous	8	Blue	Spike	Fertile, sunny	Very graceful.	
POTENTILLA aurea	Cinquefoil	18"	Trailing	Strawberry-like	6	Yellow	Clusters	Sunny	Good rock plant.	
RANUNCULUS repens fl. pl.	Buttercup	6"	Dwarf	Divided, shiny	5	Double yellow	Buttercup	Sunny, wet	Good for wet places, cutting	30c
RUDBECKIA laciniata	Golden Glow	4-5'			7-9		Cactus dahlia			
R. purpurea		3'	Bush	Large	7-9	Purple, brown disk	Daisy	Any, sunny	Excellent border and cut flowers	
R. subtomentosa		4-5'			7-9	Yellow, brown disk				
SALVIA azurea	Meadow Sage	3-4'		Narrow	8-9	Blue	Spike	Rich, sunny	Good border plant	
SANTOLINA incana	Lavender Cotton	12"		Delicate, silvery	7	Yellow	Daisy	Any, sunny	Rockery or carpet bedding	
SAPONARIA ocyroides	Soapwort	4-6"	Trailing	Dark green	5-6	Rose	Clusters	Any, sunny		
SAXIFRAGA cordifolia	Heartleaf Saxifrage	12"	Clump	Large, leathery	4	Purple	Spike	Sunny, lime	Rock garden	35c
S. Mac Nabiana		2"	Low	Gray rosettes	5	White				35c
SCABIOSA caucasica	Caucasian Scabiosa	2'	Bush	Simple	6-9	Lilac blue	Large head	Rich, sunny	Excellent cut flowers	30c
S. JAPONICA	Japanese Scabiosa	2-3'			6-9	Lavender		well-drained		
SEDUM acre	Gold Moss	4"		Green, minute	6	Yellow	Numerous	Sunny		
S. album		3"	Creeping	Thick, round, waxy	6	White	Numerous	sandy		
S. anglicum	English Stonecrop	1-2"		Small, pale green	7	White	Cluster	Sunny, dry		
S. dasyphyllum		3"		Small, round	6	Pink	Numerous		Excellent for massing. Rock gardens, paths, etc. Small ones fine between stones in walls and walks. Beautiful foliage.	
S. murale		3"		Small, purple	7	Pink				
S. oreganum		4"	Creeping	Round, green & red	7	Yellow				
S. rupestre		1-2"		Small, pale green	6	Golden	Cluster			
S. sarmentosum		4"		Broad, green	6-7	Yellow				
S. sexangulare		2"		Small, dark green	6	Yellow				
S. Sieboldii		6"	Low	Round, glaucous	8	Pink		Sunny, sandy, dry		
S. spectabile		12-18"	Bush	Broad, light green	8-9	Rose	Large head			
S. stoloniferum		4"		Round, purplish	7-8	Pink	Cluster			
S. tenuifolium		2"		Small, green	7	Pink				
SEMPERVIVUM Albertii		4"	Creeping	Small, green	7	White				
S. arachnoideum	Spiderweb Houseleek	6"		Succulent rosette	7	Rose	Spike		Leaf tips joined with silvery threads	
S. globiferum		6"		large large	6	Yellow			All Sempervivums good for rockeries & walls	
S. rectorum	Roof Houseleek	6"			7	Purple				
SENECIO clivorum		3'	Tuft	Large	7-9	Yellow	Cluster	Sunny	Good border plant	
SILENE asterias grandiflora	Catchfly	3'	Clump	Grayish	6-8	Scarlet	Spike	well-drained	Border plant.	
S. orientalis		2"			7	Rose	Large head	Sunny, fertile	Self sows easily	
STATICE latifolia	Sea Lavender	1 1/2'	Tuft	Large, leathery	7-8	Lilac blue	Huge head	Sunny, drained	Dried flowers last months	
S. coccinea		18"			7-8	Pink	Huge head	Fertile, sunny		
STOKESIA cyanea	Stoke's Aster	1 1/2-2'	Bushy	Large, soft	6-9	Lavender-blue	Aster-like		Good as cut flowers, massing or singly	
THALICTRUM adiantifolium		6"			6	White	Small plume	Sunny, well-drained	Very dainty. Rock garden	
T. aquilegifolium		2-3'		Fern-like	6-7	Purple	Large plume			35c
T. dipterocarpum	Meadow Rue	4'	Graceful		8-9	Lilac	Large plume		Splendid border plant	
T. glaucum		3-4'		Strong, blue gray	7-8					
T. minus saxatile		8-12"		Small, fern-like	6-7	Yellow	Small plume	Sunny, moist	Lemon-scented	
THYMUS citriodorus		4-6"	Low	Small, green	6-7					
T. citriodorus argenteus	Thyme	4-6"		Silver, variegated	6-7	Lilac	Small, numerous	Sunny, sandy	All Thymes excellent for ground cover	
T. citriodorus aureus		4-6"		Golden, variegated	6-7					
T. serpyllum comosus		2"	Creeping	Small, green	6-7	Rose			Rock gardens, etc.	
TROLLIUS europaeus		2'	Bush	Lobed, green	5-8	Yellow	Huge buttercup	Half shade, cool, moist	Excellent border plant	35c
T. Golden Queen	Globe Flower	2-3'			5-6	Golden yellow	Buttercup	Semi-shade, moist		50c
T. Orange Globe		2-3'			5-6	Orange				50c
TUNICA saxifraga	Goat Flower	6"	Tuft	Grassy green	6-9	Pink	Trail'g spray	Sunny, dry	Rockery, walls, paved walks	
VALERIANA officinalis	Garden Heliotrope	3-4'		Large, green	6-7	Blush white	Large head		Border, Heliotrope-scented	
VERONICA gentianoides		12"	Bush	Serrated	6-7	Pale blue	Spike		Border or rock garden	
V. longifolia var. subsessilis		2"		Dark green	7-8		Large spike		Best of this type.	35c
V. prostrata nana		4"	Creeping	Small, green	5-6	Blue	Tiny spike	Rich, sunny	Good cut flower.	35c
V. repens	Speedwell	2"		Dark green	6-9	Good blue	Small spike		Excellent for rock garden	
V. rupestris		18"	Clump	Light green	6-7	Violet blue	Long spike		More suitable for border.	
V. spicata		4"	Low	Small, green	5-6	Blue	Small spike			
V. Teucrium		6-9"	Spreading	Small, green	5-10	Rich violet	Numerous			
V. Trichani		3"	Creeping	Glossy, dark green	5	Violet	Single	Any sunny		
VINCA minor	Periwinkle	3"		Small, green	5-10	Rich violet	Numerous	Rich, sunny	Finest of many varieties.	35c
VIOLA Jersey Gem		6"	Clump	Small	4-5	Mixed	Numerous	Fertile, sunny		
V. mixed		6"	Clump	Small	4-5					
V. odorata Rosina		6"	Spreading	Large, good	9-10	Dark rose	Violet	Any	Leaf & flower fragrant	35c
V. Papilio		6"	Clump	Small	5-10	Lilac	Numerous	Fertile, sunny		
V. Royal Gem		6"	Clump	Small, green	5-10	Deep blue	Large	Rich, sunny	Splendid new variety. Fine for cutting, bedding	75c
YUCCA filamentosa	Adam's Needle	5'	Upright	Long, sword-like	6-7	White	Huge spike	Fertile, sunny		50c



FRUIT

TO the orchardist, a discussion of the different varieties of fruit is not necessary, but, to aid the average home owner, we will discuss here the varieties which will give the best results where the space available for planting is at a premium.

Plant *Cortland* or *McIntosh* for Fall eating apples, and, if one does not desire a large tree or prefers one bearing earlier, purchase the dwarf type. *Baldwin*, *Delicious* and *Rhode Island Greening* will supply the best group of Winter apples. Among pears, *Bartlett* and *Beurre Bosc* are outstanding and give a handsome return.

Every home should have a few peach trees. Although they are rather short lived, they come into bearing quickly, and if one will plant a tree every two years there will always be fruit available. *Champion*, *Elberta*, *J. H. Hale*, and *Belle of Georgia* are very popular varieties which never fail to produce satisfactory results.

Among the plums, *Abundance*, *Burbank* and *Satsuma*, all Japanese varieties, mature quickly and give an abundant yield. The European varieties are best represented by *German Prune* and *Lombard*. Cherries fill a place all their own, and room should be

found for at least a sweet cherry or a sweet and a sour. *Black Tartarian* (purplish-black) and *Governor Wood* (light yellow), as sweet cherries and *Montmorency* as an acid cherry are unsurpassed.

Of the raspberries, the *Plum Farmer* is the best black. *Latham* and *St. Regis Everbearing* give a long fruiting season among the red class. Choose *Eldorado* and *Lucretia Dewberry* for blackberries.

One should reserve a section of the vegetable garden for a block of strawberry plants. Plant *Brandywine* and *Howard 17* for early and late varieties, and *Mastodon* for a Fall crop. Remove bloom from *Mastodon* in Spring and you will be assured berries in Fall when berries are a real treat. The best asparagus variety for home consumption is *Mary Washington*—a very strong grower.

Fruit is not expensive, and for a small amount of money fresh fruit can be grown for dessert or canning every year. The Barnes Bros. Nursery Co. has an enviable reputation in the fruit line, and takes every care and precaution to offer only fruit trees, bushes and vines which are healthy and true to name. You will not make a mistake in taking up your fruit planting problems with us.

Apples

(All of these trees have been examined by Dr. Shaw of the Mass. Fruit Growers Association for trueness to name)

Name	Size and Form	Skin	Flesh	Flavor	Texture	Keeping Quality	Class	Remarks
NEW VARIETIES (1-2 Yr. Budded Stock. 2½ ft. and up, 75c each)								
Early McIntosh.....	Large, round.....	Dark red.....	White, juicy	Sub-acid.....	Fine, tender.....			{ Good for general market and road-side stand. Ripens Aug. 22-Sept. }
Lodi.....	Large {	Pale yellow.....	Juicy.....	Sub-acid {	Tender.....		Standard	{ Cross, Montgomery and Yellow }
Macoun.....		Dark red.....	White, juicy		Fine, tender.....			{ Transparent. Superior. Early. }
Medina.....	Large {	Yellow ground.....	Juicy.....	Sweet.....				{ Late McIntosh type. Ripens late Oct. }
Orleans.....		Dark red.....	Juicy.....	Sub-acid.....	Fine, crisp.....			{ Like Delicious. Prolongs Del. season }
Red Sauce.....	Conical, large.....	Dark red.....	Red.....	Tart.....	Coarse, crisp.....			{ Delicious type. Keeps 6 weeks longer in common storage. }
Red Spy.....	Large.....	Bright red.....		Sub-acid.....	Fine, tender.....			{ Good for cooking. Autumn apple... }
STANDARD SUMMER APPLES								
Duchess of Oldenburg..	Large, round, oblate {	Red, yellow-streaked	Yellow, juicy	Sub-acid.....	Fine, tender.....		Standard	{ Good cooking apple }
Red Astrachan.....		Yellow, striped red	White, juicy	Acid.....	Fine, crisp, tender.....			
Red Gravenstein.....	Large, oblate.....	Almost solid red	Yellow, juicy	Sub-acid {	Fine, tender.....	Good	Standard	{ Good market apple..... }
Williams Early Red.....	Medium, round, conic	Yellow, striped red	White, juicy		Tender, coarse.....			{ Bears young, 3rd or 4th year..... }
Yellow Transparent.....	Medium, round, oval	Pale yellow.....	White, juicy		Fine, tender.....			{ Bears young..... }
STANDARD AUTUMN APPLES								
Fameuse or Snow.....	Medium, round, conic	Bright red.....	White, juicy	Sub-acid {	Tender.....	Very good	Standard	{ Good in cold climates..... }
Fall Pippin.....	Very large, round.....	Clear yellow.....	Yellow, juicy		Fine, tender.....			{ Good eating apple..... }
Hubbardston Nonesuch	Medium, round, ovate	Yellow, mottled red	White, juicy	Sub-acid {	Fine, tender.....	Good	Std. & Dwf.	{ Good cooking and evaporating apple... }
Maiden's Blush.....	Medium, oblate.....	Yell., crimson blush	White, juicy		{ Fine, tender..... }			{ General favorite..... }
McIntosh Red.....	Large, round, oblate.....	Red-striped carmine	Yellow, juicy	Mild, sub-acid.....	Tender.....	Very good		
Opalescent.....	Large, round, conic.....	Yellow, red blush.....	Yellow, juicy	Sweet.....	Firm, crisp.....	Good	Std.	{ Good for baking, canning, stewing..... }
Pound Sweet.....	Very large, globular.....	Yellow.....	White, juicy	Sub-acid.....	Fine, tender.....	Very good		{ Good eating apple..... }
Wealthy.....	Med., round, conic.....	Yellow, striped red	White, juicy					

Apples—Continued

Name	Size and Form	Skin	Flesh	Flavor	Texture	Keeping Quality	Class	Remarks
WINTER APPLES								
Baldwin	Large, round, conic.	Yellow, red blush.	Yellow, juicy	Sub-acid.	Coarse-tender	Very good	Std. & Dwf.	Standard winter apple. Good market. Cross, McIntosh and Ben Davis.
Cortland	Large, round.	Dark red.	White, juicy	Slightly sub-acid	Fine, crisp, tender	Good	Standard.	Fine keeper; common storage to January; cold storage, March.
Delicious	Large, round, conic	Yellow, red blush	Yellow, juicy	Sub-acid	Coarse, tender.	Very good	Std. & Dwf.	Outstanding. Fine keeper and shipper.
Golden Russet	Med., round, oblate.	Russet.	Yellow, mottled red	Sub-acid	Fine, tender.			
Jonathan	Small, round, conic	Yell., carmine stripe			Yellow, juicy	Sub-acid	Coarse, tender	Std.	Fine table apple.
King	Large, round.	Yellow, mottled red	Yellow, splashed carmine	Sub-acid			Fine, tender	
Northern Spy	Large, round, conic.	Greenish yellow			Yellow, juicy	Sub-acid	Coarse, tender	Std. & Dwf.	Fine shipper and keeper.
Rhode Island Greening	Large, round.	Yellow, mottled red	Mild, sub-acid	Med. grain, crisp			Fine, tender	
Rome Beauty	Medium, round.	Russet.			White, dry.	Sweet	Coarse, tender	Good	Late keeper
Roxbury Russet	Large, oblate.	Yellow	White, juicy	Sub-acid			Fine, firm.	
Talman Sweet	Medium, globular.	Red, carmine stripes			Yellow, juicy	Mild, sub-acid	Coarse, tender	Very good	Excellent for cider. Late keeper
Wagener	Medium, oblate.	Yellow, red blush.	Solid red.	Yellow, juicy			Fine, tender.	
Winter Banana	Large, round, conic.	Yellow, red blush.			Yellow, juicy	Sub-acid	Coarse, tender	Stand-ard	Good for eating and cooking.
Richared	Large, round, conic	Solid red.	Yellow, juicy	Sub-acid.			Fine, tender.			Best	Can be picked hard ripe and marketed ahead of other varieties. Keeps till late Spring.

CRAB APPLES

Transcendent	Small, round	Yellow, red cheek.	Yellow, juicy	Acid	Crisp, fine	Good	Std.	Good for jelly
Hyslop	Small, round	Dark red.	Yellow, juicy	Acid	Crisp, fine	Good	Std.	Good for jelly

PRICES

Standard Varieties

	Each	10	100
2 yr., 1 1/8 in. and up, 5-7'	\$.55	\$5.00	\$45.00
2 yr., 1 1/8 in.-1 1/2 in., 4-6'	.45	4.00	35.00
2 yr., 1 1/8 in.-1 3/8 in., 4-5'	.35	3.00	25.00
1 yr., 4-5'	.45	4.00	35.00
1 yr., 3-4'	.35	3.00	25.00

Dwarf Varieties

2 yr., 3/8 in. and up. Each, \$1.00; 10, \$9.00

SPECIAL: Excellent, well-rooted standard trees, many of them branched, but a little too small for 4-5' size.

2 yr., 3/8", 3-4', 25c each; 10, \$2.25; 100, \$20.00.

Richared Delicious (One and Two-Year Trees Available)

	1-11	12-24	25-49	50-99	100-399
Trees	Trees	Trees	Trees	Trees	Trees
each	each	each	each	each	each
5-7 ft.	\$1.10	\$.90	\$.75	\$.65	\$.60
4-5 ft.	1.00	.80	.70	.60	.55
3-4 ft.	.85	.75	.65	.55	.50
2-3 ft.		.55	.45	.45	.40

Quantity prices apply only when a quantity of one variety and size is ordered. 5 of a variety and size at 10 rate; 50, at 100 rate; 300, at 1000 rate. Write for 1000 lot prices.

Raspberries

Name	Size and Form	Color	Flavor	Texture	Season	Remarks	Prices
Plum Farmer	Large	Black	Mild	Firm	Early	Fine shipper.	10, 45c;
Columbian	Large, round.	Dull purple	Mild		Midseason	Fine canning.	
Cuthbert	Conical	Crimson	Good	Firm	Midseason to late	Succeeds everywhere	100, \$4.00; 1000, \$35.00
Herbert	Large	Red			Midseason	Hardy	10, 45c; 100, \$4.00; 1000, \$35.00
Latham		Large	Light	Insipid	Soft, tender	Early	Splendid shipper. Best of all. New.	10, 75c; 100, $6.50; 1000, $50.00
King	Medium	Light red	Insipid	Soft, tender	Early	Best early.	10, 45c; 100, \$4.00; 1000, \$35.00
St. Regis Everbearing		Red	Firm	Everbearing	Best everbearing for home use.	10, 45c; 100, \$4.00; 1000, \$35.00	

Blackberries

Name	Size & Form	Color	Flavor	Texture	Season	Remarks	Prices
Eldorado	Large	Jet black	Sweet	Firm, soft core	Midseason	Extra fine. Seeds small.	10, 45c
Mersereau	Medium		Very sweet		Late	100, \$4.00	
Snyder	Medium	Black	Sweet	Soft core	Late	Heavy producer. Old variety. Not very hardy in this section.	1000, \$35.00
Lucretia (Dewberry)	Large	Black	Sweet	Soft core	Late	Finest of all. Cover like strawberries in winter. Tie up for best results.	1000, \$35.00

Strawberries

Name	Size and Form	Skin	Flesh	Flavor	Texture	Season	Remarks	Prices
Brandywine	Large, globose	Deep crimson	Dark	Sub-acid	Good, hollow core.	Late	Fine for canning, preserving.	25:
Chesapeake	Conical	Light red	Light		Firm		Best late variety.	
Gibson	Large	Dark red	Dark	Sub-acid	Rather soft, core solid	Midseason	Splendid canning.	80c
Glen Mary	Medium to large, conical.	Dull crimson	Red				Sweet		Firm	Does better with cross fertilization
Howard 17	Large	Glossy red		Sweet	Sub-acid	Firm		Early, long season.		100:
Marshall	Large, round	Dark scarlet	Sweet	Sweet			Firm	Midseason.	$2.00
Senator Dunlop	Conical	Dark red	Sweet		Sub-acid	Firm		Midseason	Good shipper and bearer.	1000:
Wm. Belt	Large	Dark red	Sweet	Sweet			Firm		Everbearing		One of the best
Champion	Medium	Dark red	Sweet		Sub-acid	Firm		Everbearing		Largest of everbearing.	$12.00
Mastodon	Large	Deep red	Sub-acid	Sweet			Firm		Everbearing			Quality fruit in every way.
Progressive	Medium	Dark red	Dark red		Sweet	Firm		Everbearing		Quality fruit in every way.

Mulberries

Name	Form	Skin	Flesh	Flavor	Season	Remarks	Prices
Russian	Medium	Violet-black	Violet-black	Sweet, insipid	Early summer	Widely used for hedges, windbreaks. Very hardy.	3-4 ft., 50c each.

Pears

Name	Size and Form	Skin	Flesh	Flavor	Texture	Class	Season	Remarks
Bartlett	Oblong, obtuse	Yellow, blush cheek	Yellow white	Sweet, melting	Fine grain	Std. Dwf.	Sept.	Fine for eating, canning, marketing.
Beurre D'Anjou	Large, oblong	Yell., clouded russet	White	Sweet, buttery	Firm but granular	Std.	Nov., Dec.	Good early winter commercial variety
Beurre Bosc	{ Oblong; long tapering neck }	Yellow or russet	{ Yellow white, very juicy }	Musky	{ Slightly granular, tender }	Std.	{ Oct., Nov. }	Finest eating. Tree slow growing.
Clapp's Favorite	Large, oblate obtuse	Lem. yellow and red	Yellow	Sweet, melting	{ Granular, tender }	Std. Dwf.	Aug., Sept.	Good for local trade, to precede Bartlett.
Kieffer	Large, oval	Yell., pink red blush	Yellow white	Astringent	Very granular, coarse	Std.	Oct., Nov.	Excellent cooking and canning pear.
Seckel	Round, small	Reddish brown	Yellow	Very sweet	Fine grain	{ Std. Dwf. }	Late Sept.	Fine for cooking, eating and market.
Sheldon	Round	Green, yell., red blush	White	Sweet	Granular, tender	Std.	Sept., Oct.	Good keeper, shipper. Fine for eating.

PRICES

<p style="text-align: center;"><i>Standard Pear Trees</i></p> <table style="width: 100%;"> <tr> <td></td> <td style="text-align: center;">Each</td> <td style="text-align: center;">10</td> <td style="text-align: center;">100</td> </tr> <tr> <td>$\frac{1}{8}$ in. cal., and up, 5-7 ft.</td> <td style="text-align: right;">\$.65</td> <td style="text-align: right;">\$6.00</td> <td style="text-align: right;">\$55.00</td> </tr> <tr> <td>$\frac{3}{8}$ to $\frac{1}{2}$ in. cal., 4-6 ft.</td> <td style="text-align: right;">.55</td> <td style="text-align: right;">5.00</td> <td style="text-align: right;">45.00</td> </tr> <tr> <td>$\frac{1}{2}$ to $\frac{3}{8}$ in. cal., 3-4 ft.</td> <td style="text-align: right;">.45</td> <td style="text-align: right;">4.00</td> <td style="text-align: right;">35.00</td> </tr> </table> <p style="text-align: center;"><i>Prices of Beurre Bosc is 15c per tree extra.</i></p>		Each	10	100	$\frac{1}{8}$ in. cal., and up, 5-7 ft.	\$.65	\$6.00	\$55.00	$\frac{3}{8}$ to $\frac{1}{2}$ in. cal., 4-6 ft.	.55	5.00	45.00	$\frac{1}{2}$ to $\frac{3}{8}$ in. cal., 3-4 ft.	.45	4.00	35.00	<p style="text-align: center;"><i>Dwarf Pear Trees</i></p> <p>2 yr., $\frac{5}{8}$ in. cal., 4-5 ft. Each, 75c; 10, \$6.50</p>
	Each	10	100														
$\frac{1}{8}$ in. cal., and up, 5-7 ft.	\$.65	\$6.00	\$55.00														
$\frac{3}{8}$ to $\frac{1}{2}$ in. cal., 4-6 ft.	.55	5.00	45.00														
$\frac{1}{2}$ to $\frac{3}{8}$ in. cal., 3-4 ft.	.45	4.00	35.00														

Peaches

Name	Size and Form	Skin	Flesh	Flavor	Texture	Type	Season (Conn.)	Remarks
NEW VARIETIES								
<i>Originated at New Jersey Experiment Station and considered superior to the older varieties ripening at the same season</i>								
Cumberland	Large, oval		White					{ Seedling of Belle, crossed with Greensboro. Precedes Carman }
Eclipse	Oval	Dark red	{ Yellow }	Good	Fine-grained	Freestone		{ Seedling of Belle, excellent shipper. Recommended to replace Hiley. }
Golden Jubilee	Large, round			Sweet, juicy	Stringy, tender			
Radiance	Large, oval		White					{ Belle seedling crossed with Greensboro. Good for home and commercial orch. }

STANDARD VARIETIES

Greensboro	Oblong, oval	{ Greenish white, crimson cheek }	White	Juicy, sweet	Tender	Semi-clinging	Early Aug.	Good variety to start market season.
Nectar	Medium, oval	Yell., light crims. cheek	Yellow				Freestone	Mid-August	Hardy in bud. Thin out for best results.
Carman	Round, oval	White, red cheek	White	Juicy, sweet	Good quality			
Hiley	Oblong, conic	Creamy, red flush	Cream white	Pleasant	Firm and tender			
Rochester	Large, round	Yellow, red blush	Yellow		{ Tender }	Free-stone	Late Aug.	Quality peach
Mountain Rose	Medium, oval	Whitish and dark red	White		{ Fine }				Semi-freestone
Champion	{ Large }	Cream white, red cheek	{ White }	Juicy, sweet	Stringy, tender			
Belle of Georgia		White						
Early Elberta	Large, round	Yellow			Stringy, tender			
J. H. Hale	Very large, round	Red and yellow			Firm, fine grain			{ Fine shipper. Bloom self-sterile. Plant close to another var., as Elberta. Best selling peach. }
Elberta	Large	Light yellow, red cheek	Yellow		Stringy, tender	Freestone	Early Sept.	
Foster	Large, round	Deep yellow, dark red		Spicy, sweet	Coarse, tender			
Frances	Large, oval	Yellow, red cheek		Juicy, sweet	Coarse, tender			
Crawford's Early	Large, round, oval	Yellow		Juicy	Tender			
Old Mixon	Round	White	White		Stringy			
Stump of the World	Medium	Cream white, red blush	White	{ Juicy, sweet }	{ Tender }	Near freestone		
Brackett	Large, oblong	Yellow, red blush						
Crosby	Medium, round	Orange-yell., red blush	Yellow	{ Juicy }	Stringy			Not too hardy in bud.
Crawford's Late	Large	Yellow, dull red cheek			Tender			
Iron Mountain	Large, egg-shaped	White, slight blush	{ White }	Sweet, juicy	Tender	Semi-free-stone	Late Sept.	Heavy bearer.
Fox Seedling	Medium	Cream white, red cheek		Juicy				
Lizzie	Large	Lemon yell., red cheek						Good shipper.

PRICES OF STANDARD VARIETIES OF PEACHES

	Each	10	100	
$\frac{3}{8}$ in. cal., 4-6 ft.	\$.45	\$4.00	\$35.00	{
$\frac{1}{2}$ in. cal., 3-4 ft.	.35	3.00	25.00	
Extra size	.60	5.50	50.00	

Cumberland, Eclipse, Golden Jubilee, and Radiance 10c each extra. Quantity prices apply only when a quantity of one variety and size is ordered.

Plums

Name	Form	Skin	Flesh	Flavor	Texture	Season	Remarks
JAPANESE VAR.							
Abundance	Round, ovate	Dark red	{ Yellow, juicy }	{ Sweet }	Tender	{ Aug. }	{ Clingstone, fine } best picked before ripe
Burbank	Round, conic	Dark red, yell. ground	{ Yellow }	{ Sweet }			{ for canning } good keeper and shipper
Red June	Round, conic	Vermillion red	Yellow		Firm, tender	Late July	Clingstone
Satsuma	Round, cordate	Purple red	Purple red, juicy	Sweet, almond-like		Aug., Sept.	{ Semi-clingstone; good keeper and shipper. Excellent for canning. }
Wickson	Large, cordate	Dark red, yell. ground	Amber yell. juicy	Sweet	Coarse, fibrous	Aug.	Clingstone; best planted where peaches succeed
EUROPEAN VAR.							
Bradshaw	{ Large, oval }	Violet red	{ Yellow, juicy }		Tender, fibrous	Aug.	Semi-freestone, good shipper
Fellemburg		{ Purple }	Yellow green, juicy	{ Sweet }	Firm		Freestone (French & Italian Prune) good for drying
German Prune	{ Oval }	Greenish yellow	Yellow, juicy		Tender		Freestone. Plant in sandy soils
Imperial Gage	Round	Purple brown	Green yellow, juicy		Firm	Sept.	Semi-freestone. Best for culinary purposes
Lombard	Round, oval	Greenish yellow	Golden yellow		Tender		Semi-freestone. Fine for market
Reine Claude	Round, oval	Purplish black	Yellow, juicy	Tart			Semi-freestone
Shropshire Damson	Oval	Golden yellow	juicy	Sweet	Coarse		Semi-freestone. Good cooking
Yellow Egg	Long, oval						

PRICES

	Each	10	100
$\frac{1}{8}$ in. cal., and up, 5-7 ft.	\$.60	\$5.50	\$45.00
$\frac{1}{8}$ to $\frac{1}{4}$ in. cal., 4-6 ft.	.50	4.50	40.00
$\frac{1}{8}$ to $\frac{1}{4}$ in. cal., 3-4 ft.	.40	3.50	30.00

Quinces

Name	Form	Skin	Flesh	Flavor	Texture	Season	Remarks	Prices
Orange	{ Round }	Golden yellow	Pale yellow, juicy	{ Sub-acid }	{ Tender }	Sept. 30th	{ Very good }	Each 10 100
Champion		Green	Juicy			Oct. 10th	{ for canning }	$\frac{1}{8}$ in. cal., and up, 4-5 ft. \$.70 . . . \$6.50 . . . \$55.00

Asparagus

Name	Form	Flavor	Texture	Season	Remarks	Prices
Giant Argenteuil	{ Large }	{ Sweet }	{ Tender }	{ Early }	Fine for early market	1 yr. roots: 100, \$1.00; 1000, \$7.50. 2 yr. roots: 25, 75c; 100, \$2.00; 1000, \$15.00
Mary Washington					Vigorous and very early	1 yr. roots: 100, \$1.50; 1000, \$10.00. 2 yr. roots: 25, \$1.00; 100, \$3.00; 1000, \$20.00

Rhubarb

Myatt's Linnaeus	Each, 20c; 10, \$1.50; 100, \$10.00
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Cherries

Name	Form	Size	Skin	Flesh	Flavor	Texture	Season	Remarks	Prices
Black Tartarian	{ Large }	Very large	Purple black	Red	Sweet	Tender		Very popular	Each 10 100
Chase		Large	Black	Black	Sour			Mazzard root stock only	$\frac{1}{8}$ in. cal. up, 5-7'
English Morello		Medium	Dark red	Red	Acid	Tender, juicy	Late	Productive	\$.75 \$6.50 \$50.00
Governor Wood		{ Large }	Yellow, red cheek	Yellow	Sweet	Juicy		One of the best	
Montmorency	Round		Light red	Red	Acid		Mid-season	Fruits soon after planting	$\frac{1}{8}$ to $\frac{1}{4}$ in. cal., 4-6'
Napoleon Bigarreau		{ Very large }	Yellow to red	Yellow		Tender, juicy		Requires rich soil	.60 5.50 45.00
Schmidt's Bigarreau			Black	Black	Sweet	Juicy	Late	Excellent market variety	$\frac{1}{8}$ to $\frac{1}{4}$ in. cal., 3-4'
Windsor		{ Large }	Liver-colored	Red		Firm			.50 4.50 40.00
Yellow Spanish			Yellow, red cheek	Yellow					

Both Mahaleb and Mazzard root stocks obtainable

Grapes

Name	Size	Color	Flavor	Season	Remarks	Size	Price		
							Each	10	100
Brighton		Red		Midseason	Fine for home use	} 2 yr.	.40	3.50	30.00
Caco		Wine red	Sweet		New. Considered one of best		.75	6.50	
Campbell's Early		{ Black }		Early	Vigorous and hardy		.30	2.50	20.00
Concord	Large		Sweet		Fine shipper. Most popular		.25	2.00	15.00
Delaware	Small	Light red	Spicy, sweet		Requires rich soil		.40	3.50	30.00
Diamond	Large	Greenish white	Sweet		Fine quality. Productive		.30	2.50	20.00
Green Mountain	Small	Green	Tender, sweet		Ripens 3 weeks before Concord		.75	6.50	
Moore's Early	Large	Black		{ Early }	One of best very early grapes		.30	2.50	20.00
Niagara	Large	White	{ Sweet }	{ Midseason }	Fine white variety		.30	2.50	20.00
Worden	Large	Black			Fine table grape		.30	2.50	20.00

I N D E X

<p>Evergreen Trees Page</p> <p style="padding-left: 20px;">Planting Directions.....2</p> <p style="padding-left: 20px;">Cultural Directions.....7</p> <p style="padding-left: 20px;">Suggestions.....8</p> <p style="padding-left: 20px;">Table (Varieties and Complete Information).....10, 11</p> <p>Evergreens, Broadleaved</p> <p style="padding-left: 20px;">Planting Directions.....3</p> <p style="padding-left: 20px;">Cultural Directions.....7</p> <p style="padding-left: 20px;">Suggestions.....9</p> <p style="padding-left: 20px;">Table (Varieties and Complete Information).....12, 13</p> <p>Fruits</p> <p style="padding-left: 20px;">Planting Directions.....6</p> <p style="padding-left: 20px;">Cultural Directions.....7</p> <p style="padding-left: 20px;">Suggestions.....36</p> <p style="padding-left: 20px;">Table (Varieties and Complete Information).....36-39</p> <p>Perennials</p> <p style="padding-left: 20px;">Planting Directions.....4</p> <p style="padding-left: 20px;">Cultural Directions.....7</p> <p style="padding-left: 20px;">Suggestions.....28, 29</p> <p style="padding-left: 20px;">Table (Varieties and Complete Information).....30-35</p>	<p>Roses Page</p> <p style="padding-left: 20px;">Planting Directions.....5</p> <p style="padding-left: 20px;">Cultural Directions.....7</p> <p style="padding-left: 20px;">Suggestions.....24, 25</p> <p style="padding-left: 20px;">Table (Varieties and Complete Information).....26, 27</p> <p>Shrubs, Flowering</p> <p style="padding-left: 20px;">Planting Directions.....4</p> <p style="padding-left: 20px;">Cultural Directions.....7</p> <p style="padding-left: 20px;">Suggestions.....18, 19</p> <p style="padding-left: 20px;">Table (Varieties and Complete Information).....20-23</p> <p>Trees, Deciduous (Ornamental and Shade)</p> <p style="padding-left: 20px;">Planting Directions.....3</p> <p style="padding-left: 20px;">Cultural Directions.....7</p> <p style="padding-left: 20px;">Suggestions.....14, 15</p> <p style="padding-left: 20px;">Table (Varieties and Complete Information).....16, 17</p> <p>Vines, Hardy</p> <p style="padding-left: 20px;">Planting Directions.....3</p> <p style="padding-left: 20px;">Cultural Directions.....7</p> <p style="padding-left: 20px;">Suggestions.....9</p> <p style="padding-left: 20px;">Table (Varieties and Complete Information).....12, 13</p>
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Special low-priced combination offers, pages 6, 15, 19, 28, 29.

TERMS—Cash with order for all amounts of \$10.00 or less. We will ship larger orders C.O.D., providing twenty-five per cent of total amount is sent with order. If order is sent by express you pay balance to your express agent upon delivery of stock; if by freight, you pay balance at your bank, where you will find bill of lading, which you give to freight agent, who will deliver shipment to you. Interest at legal rates will be charged on overdue accounts.

SIZE OF ORDERS—Owing to high costs incident to packing and handling, we cannot accept orders amounting to less than \$2.00.

ORDER EARLY—Order immediately, if possible. Late orders are subject to the hazards of being handled in a rush. Moreover, some varieties or sizes may be sold out, causing disappointment.

USE ORDER BLANK—Use one of our regular order blanks when possible. Print your name plainly and state in each order when, where and how to ship. Write letters on a separate sheet of paper.

HOW TO SEND MONEY—By check, express money order, post office money order, bank draft or cash enclosed in registered letter.

PARCEL POST SHIPMENTS—For small packages we recommend Parcel Post, as it is the safest, quickest and most economical method of shipment. If you reside on a rural route, the package will be delivered to your door. The size of package is limited to 100 inches combined length and circumference. The weight is limited to 70 pounds to point within first, second, or third zones, or within 300 miles of Yalesville. To points farther away, the limit is 50 pounds. As it is impossible to accurately estimate the weight, C.O.D. method is most satisfactory, as you pay only actual cost.

TRANSPORTATION CONDITIONS—All goods are sold F.O.B. point of shipment, and travel at the purchaser's risk and expense.

GUARANTEE—Prices do not include any guarantee of growth. The successful growth of a tree or plant is dependent upon many vital conditions over which the nurseryman has no control, such as the planting, cultivation and maintenance, the weather, the soil, the rainfall, etc. Consequently, we *cannot guarantee successful growth.*

CLAIMS—If there are any claims, they must be made on receipt of goods. Any errors of ours will be promptly and satisfactorily adjusted. *Claims made after ten days from receipt of goods cannot be considered.* We ship only best grades of stock and use great care in packing. Our prices do not allow for replacement of plants that die. However, to meet the customer half way, we will replace material at *one-half price.* *We can make no exceptions to this rule.*

NON-WARRANTY—(1) If any nursery stock shall prove untrue to the label under which it is sold, provided notice and proper proof thereof are furnished by the purchaser to the seller, the seller shall, at the option of the purchaser, either refill that portion of the order, which was mislabeled, by another delivery of stock, or refund the purchase price; but in any case, we are not to be held responsible for a sum greater than the original selling price of such stock. (2) All sales or agreements of sale are made subject to shortage of nursery stock, fire, frost, floods, drought, or other causes beyond the control of the seller.

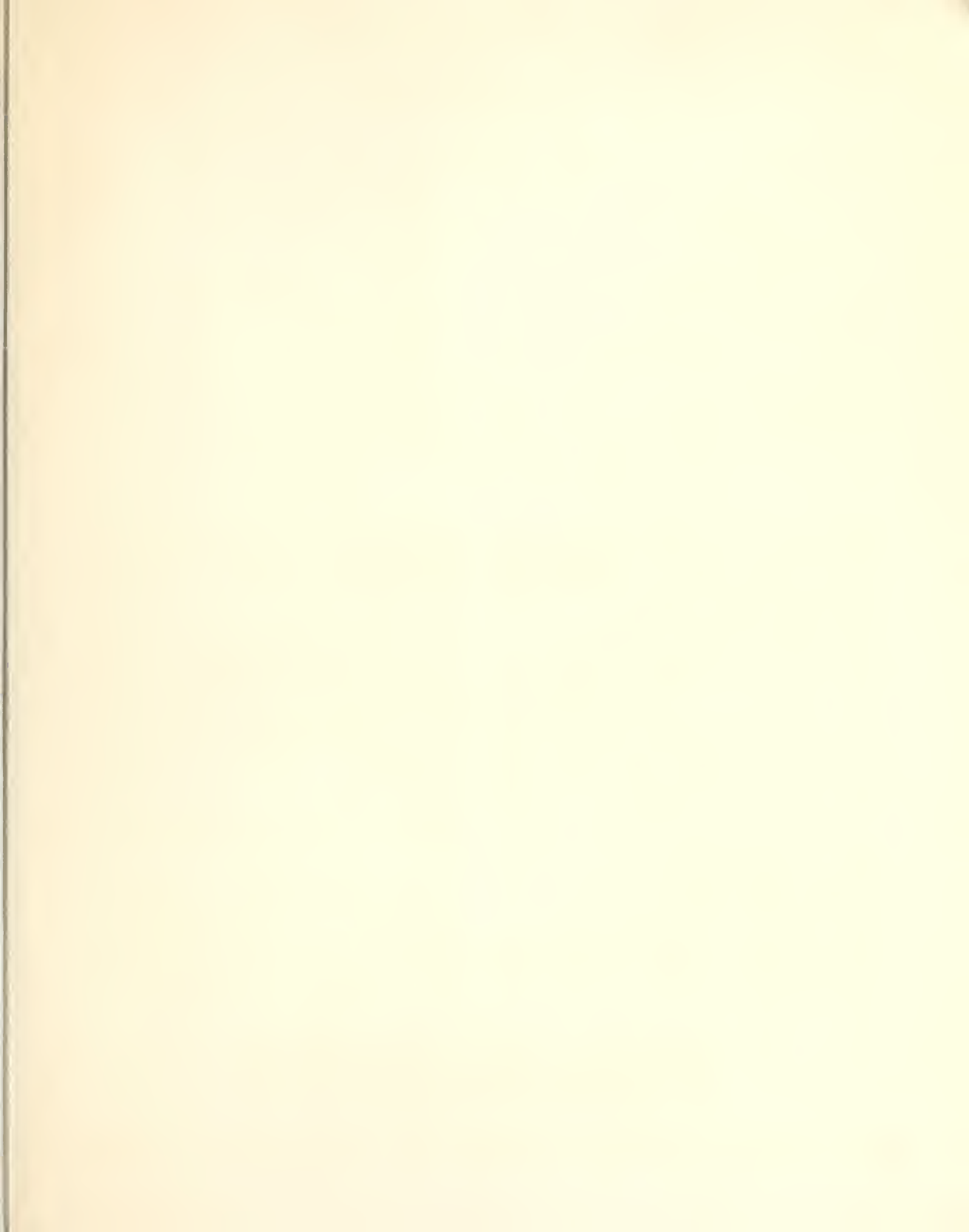
INSPECTION—Our nurseries have been thoroughly inspected and found apparently free from injurious insects and diseases.

GRADES—We grade primarily by caliper, height being only approximate, and this places many of our trees in the second grade which might be sold as first grade by those who grade only by height. We consider that good stock, well graded by caliper, will give more satisfaction year after year than when graded by height.

QUANTITY DISCOUNTS—It costs us less per plant to dig a large order and prepare it for shipment than a small order, and we are glad to pass this saving on to our customers. Therefore, we will allow 10% discount on lots of 5 to 50 plants of a single variety, and 20% discount on 50 or more plants of a single variety. In view of the high quality of Barnes Bros. stock, and the care with which it is handled, *we cannot deviate from these quotations,* except in the Special Low-Priced Combination Offers on pages 6, 15, 19, 28, 29. Discounts on 300 or more of a single variety quoted on request.

Our nursery is located on the Boston Post Road, Route 5, three miles south of Meriden, two miles north of Wallingford. Buses of the New England Transportation Company pass our office, leaving the Hartford R. R. Station from the north and New Haven R. R. Station from the south every hour on the hour. Anyone coming from the south may take a bus at New Haven or Wallingford, and from the north at Hartford or Meriden. The local bus line between Wallingford and Meriden is about 15 minutes walk from our office.

THE BARNES BROS. NURSERY CO., YALESVILLE, CONN.



The Original
BARNES BROS. NURSERY
Established 1890