

HOW TO GROW RHODODENDRONS SUCCESSFULLY ✓
RHODODENDRONS BY THE CARLOAD



KELSEY'S
HARDY AMERICAN RHODODENDRONS
AND
SPECIMEN EVERGREENS

RHODODENDRON CATAWBIENSE

AUGUST AND FALL PLANTING

HIGHLANDS NURSERY
3,800 FEET ELEVATION
IN THE CAROLINA MOUNTAINS

BOXFORD NURSERY, BOXFORD, MASS.

HARLAN P. KELSEY, OWNER
SALEM, MASS.



Rhododendrons banking a Colonial residence in Salem, Mass.

The Successful Rhododendron Bed

SIMPLE RULES WHICH WILL BRING PLEASING AND LASTING RESULTS IF CAREFULLY FOLLOWED

The highest ambition of the plant-lover is to have a successful bed of Rhododendrons together with other ericaceæ and flowering plants that naturally go with them. How few succeed is well known. Many, discouraged by the imagined or heard-of difficulties, never even make the attempt; yet, under average conditions, success is as simple and sure as with ordinary shrubs. It is a question of doing the right thing before, during and after planting.

Nature Knows Best. Rhododendrons—and I include under this term Azaleas, Kalmias, Leucothoës and other ericaceous genera and similar native (and exotic) plants—grow naturally in shady, damp situations, being surface feeders, with fine, hair-like rootlets. Plainly, therefore, dry, hard ground or drought checks growth or kills outright; nature provides against this by supplying a mulch of leaves the year round; very few gardeners have learned this lesson.

First Excavate the Bed, unless conditions are already favorable. A deep, porous soil prevents drought; excavate 2 to 3 feet or more, and see that in clay soils good drainage is provided, so that water will not stagnate in the bottom and make "sour ground."

Material for the Bed. Rhododendrons live largely on vegetable mold and humus, presumably through the medium of a mycelium, which increases rapidly under suitable conditions; therefore fill in the excavation with woods- or leaf-mold, good loam, rotted field-sods and a third in bulk of swamp muck or pulverized peat; while filling in this mixture one-tenth of sharp sand, or even more, should be added; if any manure is used, it must in every case be well rotted and practically reduced to humus. The center of the bed or plantation may be raised 6 to 12 inches above surrounding ground, after allowing for natural settling.

Planting. Plant the same depth as before (shown by earth line, or "collar" on stem) and firmly press soil around roots with the foot, but don't pack the earth too solid—Rhododendrons are not telegraph poles. "Fillers," including Lilies and other bulbs and smaller ground-covering species, should be planted after the larger plants are all in and properly spaced.

The Great Secret. Mulch, and yet mulch again, all the year round. This is the great Rhododendron secret. As soon as planted, cover the entire surface of the ground with a vegetable mulching—preferably hardwood leaves—to the depth of several inches when reasonably well packed. Never remove this mulching, but let it remain the year round, and every fall add a new layer of similar depth. A foot of leaves in the fall means but a half-inch or so of humus the coming season—the future food of the Rhododendrons or Azaleas. A thin dressing of loam and well-rotted manure may be used to hold down the fresh leaves till they begin to decay. The leaves keep the surface cool in summer and warm in winter. This is the great secret of Rhododendron-growing.

KELSEY'S HARDY AMERICAN RHODODENDRONS

Winter Protection. If convenient, protect them with pine or other evergreen boughs, particularly where exposed to the sun and wind; yet Rhododendrons rarely suffer in the latitude of Boston or Buffalo, if properly planted and mulched.

In the latitude of Ottawa and Quebec, Canada, a board fencing may be placed around the edge of the bed and much heavier temporary mulching of straw, etc., filled in almost or quite to the tops of the plants. It is rarely necessary to build a board cover, except on southern exposures to prevent sunburn, or with tender varieties not suitable for general planting, and even then evergreen boughs are preferable. Good ventilation must be provided.

Selecting the Location. For the Rhododendron bed, select a northern exposure, where possible, especially in low elevations in the South, or elsewhere where freezing and thawing is quite continual. A direct winter sun on the frozen leaves of any broad-leaved evergreen often kills outright or spoils the foliage. The north side of the building, wall, woods or hill is always preferable, and wind-swept locations should be avoided, unless proper measures are taken to check the heavy winds.

Limestone Soils Mean Death. Most ericaceous plants, and particularly Rhododendrons, Kalmias, Azaleas, Leucothoës, Andromedas, Galax, Epigæa and similar species, and some Lilies and Ferns will not endure large quantities of lime in any form. Permanent satisfactory results cannot be had, therefore, in soils impregnated with lime, and, where such conditions exist, excavation and filling in with proper materials must be resorted to. Sulfate of magnesia in considerable quantities is said to be a specific for limestone conditions, but conclusive experiments are yet to be made.

Enemies of the Rhododendron

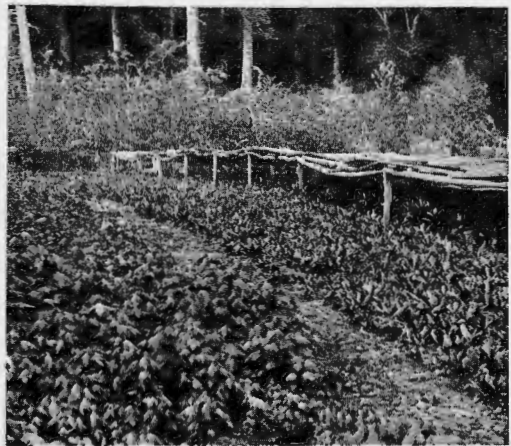
Rhododendrons, Kalmias and similar plants have very few enemies. The only serious one is the Lace-wing Fly, which is native from New England throughout the Alleghenies, and is found on *Kalmia angustifolia*, *Rhododendron maximum* and *Kalmia latifolia*. This pest appears in early spring on the under side of the leaves and gets its sustenance by sucking the sap. The leaves turn brown, giving the plant a ragged, unkempt appearance. It is easily disposed of by spraying the under side of the leaves, using a very fine nozzle, with an emulsion of ten gallons of whale-oil soap to one hundred gallons of water. While the Lace-wing Fly is more at home on *Rhododendron maximum*, it does not hesitate to attack all other species to a greater or less extent. Plants in the shade are rarely infested to any great degree.

"Fillers"—Plants to be Used with Rhododendrons

For the best landscape effects, as well as providing a continual succession of bloom throughout the season, and actually protecting the Rhododendrons and supplying a "feathered" edge to the ground, a large variety of shrubs and plants may be employed with the finest results. In fact, the clear planting of Rhododendrons without the use of "filler" or "edging" plants gives harsh, formal effects, which are neither desirable nor natural in any way. In the use of "fillers" great care must be taken as to time of blooming and color effects, so they do not clash. It is surprising how many "filler" plants can be used without detracting from the broad evergreen effect, and yet supplying an amazing amount of interesting detail and a continuous show of blossoms against a beautiful Rhododendron leaf background.

Some of the Best "Fillers" and "Edging Plants"

Andromeda prolifolia, Chamædaphne calyculata, Dendrium buxifolium, D. prostratum, Ilex glabra, Leucothoë catesbæi, Andromeda (Pieris) floribunda, Taxus minor, Galax aphylla, Gaultheria procumbens, Houstonia serpyllifolia, Mitchella repens, Shortia galacifolia, Vinca minor, V. minor alba, Xanthorrhiza apiifolia, Lilies, Trilliums, Erythroniums, Violets, Ferns in great variety, Dicentra eximia, Iris, Azaleas; Ilex verticillata, Aronia arbutifolia, and many other berry-bearing shrubs.



Highlands Nursery. Beds where Rhododendrons, Kalmias and Andromedas are grown by tens of thousands.

Kelsey's Hardy American Rhododendrons and Mountain Laurel

Prices are for heavy, nursery-grown stock, f.o.b. cars at Boxford Nursery, Boxford, Mass.

All plants, except rarely the smallest sizes under 1 foot, are balled and burlaped separately.

Use hardy American Lilies, Trilliums and other bulbs as "fillers" and "edging" for the Rhododendron bed. A special bulb list is ready, and will be freely sent.

RHODODENDRON CAROLINIANUM (New Species)

The smallest Alleghanian species, though it often attains a height of 15 feet and is wide-spreading. A very graceful shrub, with totally different aspect from the other Rhododendrons. Leaves dark green, usually blunt and narrow, covered with rusty dots below, much smaller than either maximum or catawbiense. Flower-clusters appear in greatest profusion in June, covering the plant with a rose-colored mantle. Fine for rocky slopes or hillsides, standing exposure unusually well, and invaluable as a single specimen or for massing with the other species.



Rhododendron carolinianum. New. The best dwarf species

This beautiful and rare species of Rhododendron has been sent out in the past under the name of **punctatum**. Professor Sargent has recently called attention to the fact that it is a distinct species from the **punctatum**, differing in time of bloom, with more showy and profuse flowers and making a much larger and finer plant than the **punctatum**.

It is now known as **Rhododendron carolinianum**, being described and named by Alfred Rehder, Arnold Arboretum, Jamaica Plain, Mass.

	Each	10	100
9 to 12 in.....	\$0 75	\$6 00	\$50 00
1 to 1½ ft.....	1 00	8 00	
1- to 1½-ft. clumps.....	2 00	17 50	150 00
1½- to 2-ft. clumps.....	3 50	32 50	300 00
2- to 3-ft. clumps.....	6 00	50 00	
3- to 4-ft. clumps.....	10 00	90 00	
4- to 5-ft. clumps.....	15 00		

RHODODENDRON CATAWBIENSE of the Carolina Mountain THE HARDIEST OF ALL RHODODENDRONS

It was this magnificent Rhododendron that over a hundred years ago was introduced into Europe, supplying, together with *Rhododendron maximum* and *R. punctatum*, color and hardy blood to the cultivated "hybrids," but with a consequent loss of hardiness; and so today, for American gardens, where ironclad hardiness is essential, we must turn to the true original species, found on the loftiest, coldest peaks of the southern Alleghanies, where it attains a height of 20 to 30 feet.

Considering the extreme hardiness, color of flower, compact growth, and remarkable texture of foliage, which is a deep, shining green, and far superior to the better-known *Rhododendron maximum*, we can recommend the true native catawbiense as the finest for general use, withstanding exposure and extremes of temperature where other Rhododendrons fail.

Do not confuse this true species, which is absolutely hardy, with the common so-called catawbiense hybrid seedling so freely imported from Europe, which is at best half-hardy, and even when branched above is a single stem, showing bareness underneath for years.

KELSEY'S HARDY AMERICAN RHODODENDRONS

RHODODENDRON CATAWBIENSE, continued

Unlike *Rhododendron maximum*, it is a very free-bloomer, with foliage of a dark, rich, lasting green, **which never rusts**. The trusses are a bright red-purple (in marked contrast to the muddy purple of the semi-hardy half-breed imported variety noted above), and as sent out by Highlands Nursery **is always on its own roots**.

For massing to produce a broad-leaved evergreen landscape effect, there is no plant equal to it in the latitude of the northern United States and Canada, where strictly hardy plants must be employed. As a rich, finished border to plantations of the commoner *Rhododendron maximum*, the value of *Rhododendron catawbiense* cannot be overestimated.

Do not compare our many-stemmed clumps with the single-stemmed, "bushy," half-hardy Rhododendrons offered by importers. There is no comparison.

	Each	10	100
9 to 12 in.....	\$0 50	\$4 00	\$35 00
1- to 1½-ft. clumps.....	1 75	17 00	125 00
1½- to 2-ft. clumps.....	2 50	22 50	200 00
2- to 3-ft. clumps.....	3 50	32 50	300 00
3- to 4-ft. clumps.....	5 00	45 00	425 00
4- to 5-ft. clumps.....	8 00	75 00	
5- to 6-ft. clumps.....	12 00		

Special selection at special prices.

RHODODENDRON MAXIMUM. The Great American Rosebay PERFECTLY HARDY IN THE LATITUDE OF QUEBEC

Rhododendron maximum is without doubt the noblest of American broad-leaved shrubs. It is found growing sparingly in New England and New York, more abundantly in the Pennsylvania mountains, but reaching perfection only in the southern Alleghany Mountains, where it grows in such luxuriance as to form a striking feature in the mountain landscape. Its large, waxy white or delicately pink flowers appear in large trusses in July, the latest of all the Rhododendrons, greatly enhancing its ornamental value as a broad-leaved evergreen for finished landscape effect.

Not even in Asia do Rhododendrons grow more luxuriantly than in our southern Alleghany Mountains, where they attain a height of 30 feet or more. They must be seen in their native lavishness of growth and bloom, on the mountain-sides or hanging over the dashing ice-cold



The true *Rhododendron catawbiense*



Rhododendron maximum

RHODODENDRON MAXIMUM.
continued

streams and waterfalls, to be properly appreciated, and a trip to the high Carolina mountains in spring and early summer is a never-to-be-forgotten series of joys to the lover of nature.

- 6 to 12 in., 25 cts. each, \$2 for 10, \$17.50 per 100.
- 1 to 1½ ft., 40 cts. each, \$3 for 10, \$25 per 100.
- 1½ to 2 ft., 75 cts. each, \$6 for 10, \$50 per 100.
- 2 to 3 ft., \$1 each, \$9 for 10, \$80 per 100.
- 6- to 12-in. clumps, 80 cts. each, \$7 for 10, \$65 per 100.
- 1- to 1½-ft. clumps, \$1 each, \$9 for 10, \$80 per 100.
- 1½- to 2-ft. clumps, \$1.75 ea., \$15 for 10, \$125 per 100.
- 2- to 3-ft. clumps, \$2.50 each, \$22.50 for 10.
- 3- to 4-ft. clumps, \$4 each, \$37.50 for 10.
- 4- to 6-ft. specimens, \$5 to \$10 each.

KALMIA LATIFOLIA. The Mountain Laurel

One of the grandest of our native, broad-leaved evergreen shrubs, attaining tree-like proportions in our southern mountains. In cultivation it is a broad, thick shrub, and, when in full bloom, of surpassing beauty. The wheel-shaped flowers in close terminal corymbs, pure white to pink, appear in May or June in such profusion as almost to smother the foliage. Its thick, shining leaves, conspicuous the year round, make it a shrub of greatest value for massing. The hardiness of *Kalmia latifolia* is beyond doubt, it being found sparingly in Nova Scotia and increasingly in abundance through New England and the middle Atlantic states (particularly in the higher altitudes), till the crest of the southern Alleghanies is reached.

	Each	10	100
1 to 1½ ft.....	\$0 60	\$5 00	\$40 00
1½ to 2 ft.....	80	7 00	60 00
2 to 3 ft.....	1 50	12 00	110 00
9- to 12-in. clumps..			
1,000, \$700..	1 00	8 00	75 00

	Each	10	100
1- to 1½-ft. clumps.			
1,000, \$800..	\$1 25	\$10 00	\$90 00
1½- to 2-ft. clumps.	2 00	17 50	150 00
2- to 3-ft. clumps..	3 50	32 50	300 00
3- to 4-ft. clumps..	4 50	40 00	375 00

**Rhododendrons and Mountain Laurel
"Collected Clumps" by the Carload**

For the area covered and effect produced, a carload of Rhododendrons or Kalmias is the cheapest landscape proposition offered. I ship an unusual grade of splendid clumps, each plant a specimen and burlaped separately. Don't accept cheap stock, thrown into cars without burlaping, and with the fine, hair-like rootlets inevitably exposed. You will be disappointed and find it expensive in the end. While fine results may be had from collected Rhododendrons, particularly if purchased from a reliable source, where greatest care is used in digging and handling, results are never so sure as when nursery-grown stock is used. "Collected" Rhododendrons and Kalmias delivered at your station by the carload. To be shipped from point determined by me.

RHODODENDRON CATAWBIENSE, Collected Clumps

Each plant collected from the open and burlaped. Prices, delivered f.o.b. your station, if east of the Mississippi River.

Car containing 200 clumps, 1 to 3½ ft., for.....	\$280 00
Car containing 300 clumps, 1 to 3½ ft., for.....	380 00
Car containing 400 clumps, 1 to 3½ ft., for.....	480 00
Car containing 600 clumps, 1 to 3½ ft., for.....	600 00
Other combinations and sizes quoted on request.	

KELSEY'S HARDY AMERICAN RHODODENDRONS

RHODODENDRON MAXIMUM, "Collected Clumps"

Prices in carload lots, delivered f.o.b. your station, if east of the Mississippi River, collected from open ground, and each specimen burlaped separately.

Car containing 300 clumps, 1½ to 4 ft., for.....	\$300 00
Car containing 400 clumps, 1½ to 4 ft., for.....	375 00
Car containing 600 clumps, 1½ to 4 ft., for.....	500 00

Other sizes or combinations will be made up to suit customers. It is far cheaper to buy my kind at slightly increased price, and have plants that will **grow**.

RHODODENDRON MAXIMUM AND R. CATAWBIENSE

"Collected Clumps" by the Carload

Mixed cars, delivered free at any station east of the Mississippi River. Car containing 150 maximum and 150 catawbiense, collected as above, 1½- to 4-ft., clumps,—total of 300—for \$400. Car containing 250 maximum and 250 catawbiense, 1½- to 4-ft., clumps,—total of 500—for \$550.

KALMIA LATIFOLIA (Mountain Laurel)

"Collected Clumps" by the Carload

Each specimen burlaped, and highest-class clumps collected from the open, delivered free at your station, if east of the Mississippi River.

Car containing 400 clumps, 1 to 3½ ft. for \$375. *Kalmia* may be added to help fill any *Rhododendron* car at 90 cts. per clump. Not less than 100 clumps in shipment.

List of Material Used in a Successful *Rhododendron* Bed

(GARDEN OF MR. GEORGE W. MEITH, HUBBARD WOODS, ILL.)

This planting was made from suggestions and stock furnished by Harlan P. Kelsey, but an edging of violets was supplied from customer's own grounds. The planting is a successful typical grouping at a minimum cost, of broad-leaved evergreens and "filler plants," which might be varied indefinitely at the will of planter.

- | | |
|---|--|
| 1 <i>Rhododendron maximum</i> , 2- to 3-ft. clump. | 25 <i>Dryopteris</i> , in variety. |
| 3 <i>Rhododendron maximum</i> , 1½ to 2 ft. | 10 <i>Eupatorium ageratoides</i> . |
| 10 <i>Rhododendron maximum</i> , 1- to 1½-ft. clps. | 3 <i>Azalea arborescens</i> , 1- to 1½-ft. clumps. |
| 1 <i>Rhododendron punctatum</i> , 1- to 1½-ft. clps. | 10 <i>Azalea nudiflora</i> , 6- to 12-in. clumps. |
| 2 <i>Rhododendron catawbiense</i> , 2- to 3-ft. clps. | 5 <i>Azalea vaseyi</i> , 6- to 12-in. clumps. |
| 10 <i>Rhododendron catawbiense</i> , 9- to 18-in. clps. | 2 <i>Andromeda floribunda</i> , 6- to 12-in. clumps. |
| 5 <i>Kalmia latifolia</i> , 1- to 1½-ft. clumps. | 10 <i>Aronia nigra</i> , 1 to 2 ft. |
| 10 <i>Kalmia latifolia</i> , 6- to 9-in. clumps. | 5 <i>Clethra alnifolia</i> , 1 to 2 ft. |
| 10 <i>Leucothoe catesbæi</i> , 6- to 12-in. clumps. | 1 <i>Chionanthus virginica</i> , 3 to 4 ft. |
| 10 <i>Aronia arbutifolia</i> , 2 to 3 ft. | 5 <i>Azalea viscosa</i> , 1½ to 2 ft. |
| 30 <i>Xanthorrhiza apiifolia</i> , 6- to 12-in. clumps. | 20 <i>Lilium superbum</i> , first size. |
| 5 <i>Euonymus radicans</i> . | 20 <i>Lilium canadense</i> , first size. |
| 1 <i>Ampelopsis engelmanni</i> . | Total cost, \$65.90. |



Leucothoe catesbæi



Rhododendrons, detail of edging

The Best Hardy Exotic Rhododendrons

RHODODENDRON *arbutifolium* (*wilsoni*).

A hardy, hybrid, dwarf Rhododendron of garden origin, probably a cross between *R. punctatum* and *R. ferrugineum*. Compact growth, bears a profusion of deep rose-colored flowers.

	Each	10
9 to 12 in.....	\$1 00	\$8 50
1 to 1½ ft.....	2 00	18 00
1½ to 2 ft.....	3 00	

hirsutum.

Another similar species from the Swiss Alps, but with flowers of lighter shade, and the whole plant hairy.

12 to 15 in....\$1.50 each, \$12.50 for 10.

ferrugineum. Alpine Rose.

Dwarf species from the Swiss Alps. Rarely over 2 feet high. Very handsome shrub, suitable for rockery. Small pink or carmine flowers.

12 to 15 in....\$1.50 each, \$12.50 for 10

R. ferrugineum album. White Alpine Rose.

Same as preceding, with white flowers.

12 to 15 in.....\$1.75 each, \$15 for 10

myrtifolium.

A fine, hardy hybrid between *R. punctatum* and *R. hirsutum*. This variety is very useful for the rockery, and the borders of the Rhododendron bed. Covered with clusters of deep rosy pink flowers.

12 to 15 in.....\$1.50 each

catawbiense hybrids.

Hardest varieties, including the following:

Album elegans, *Anna Parsons*, *caractacus*, *catawbiense alba*, *everestianum*, *General Grant*, *Mrs. Milner*, *President Lincoln*, *Parsons' Gloriosa*, *purpureum elegans*, *roseum elegans* and others, according to size and selection, \$1 to \$4 each.

Hardy Azaleas

The finest Azaleas in the world for permanent planting under American conditions are native species including *A. arborescens*, *A. vaseyi*, *A. lutea* (*calendulacea*), the great flame-colored Azalea; *A. nudiflora*, *A. viscosa* and *A. canescens*.

I have a stock of thousands of the finest plants in all sizes that will give immediate effect, and prices will be sent on request. It should be remembered that Azaleas play a very important part in the making of a permanent Rhododendron bed, but care must be used to avoid clashing of colors. I shall be glad to make up proper combinations for my customers.



Hardy Rhododendrons and Azaleas thriving in an ideal location



Andromeda floribunda in the rock-garden

Other Hardy Broad-Leaved Evergreens

There is a wide use for this material in connection with *Rhododendron* planting, to supply variety and give finished edges and borders.

ANDROMEDA (*Pieris*) *floribunda*. 2 to 4 feet. One of the finest of all broad-leaved American shrubs. Compact growth, with shining evergreen leaves and abundant racemes of showy white flowers in May. The next season's buds appear after the flowering season and give the plant the appearance of being in bloom the year round. My stock is all strictly American-grown and of finest quality. The imported *Andromeda* is very often difficult to establish.

	Each	10	100
9 to 12 in.....	\$1 00	\$8 00	\$70 00
1 to 1½ ft.....	1 50	12 50	100 00
1½ to 2 ft.....	2 50	22 50	

***japonica*.** This fine species is of more upright growth than *floribunda*, the young foliage presenting striking shades of reddish pink early in the season. The flowers are in terminal racemes, and very showy.

1 to 1½ ft.....	\$1.50 each, \$10.00 for 10
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CHAMÆDAPHNE *calyculata*. Leather Leaf. 2 to 3 feet. A fine hardy border plant for the *Rhododendron* bed or very moist locations. White, nodding flowers in leafy racemes in early spring.

	Each	10	100
9 to 12 in.....	\$0 40	\$3 00	\$25 00
1 to 1½ ft.....	50	4 00	

DENDRIUM *prostratum*. Mountain Heath. 6 to 12 inches. The Carolina mountains prostrate form of this beautiful genus. Rockwork evergreen, closely covering the surface with a bed of green. In full bloom May or June; produces a striking effect. The delicate flowers are tinged with pink. One of our choicest alpine plants.

3 to 9 in.....	50 cts. each, \$4 for 10, \$35 per 100
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EVONYMUS *radicans*. Climbing Evonymus. Invaluable for *Rhododendron* edging, where it will make a close, evergreen mat, or for background against a wall. Strong.

2-year.....	40 cts. each, \$3.50 for 10, \$30 per 100
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vegetus. Very large-leaved type of the preceding species. Very strong.

1 to 1½ ft.....	50 cts. each, \$4.50 for 10, \$35 per 100
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KELSEY'S HARDY AMERICAN RHODODENDRONS

OTHER HARDY BROAD-LEAVED EVERGREENS, continued

HYPERICUM densiflorum. 2 to 4 feet. Flowers completely covering the plant with a mantle of yellow in July.

2 to 3 ft. 25 cts. each, \$1.75 for 10, \$15 per 100

ILEX crenata. Japanese Holly. 6 to 8 feet. One of the best of all the hardy evergreen Hollies; of dense growth; small, crenated leaves, bright, shining green. Very fine as a hedge plant and for use with Rhododendrons. Must have proper location and treatment to be perfectly hardy in this latitude.

	Each	10	
6 to 8 in.	\$0 75		\$5 00
1 to 1½ ft.		1 25	10 00

opaca. American Holly. 10 to 40 feet. While the American Holly grows sparingly in Massachusetts, it is not absolutely hardy until well established. It is, however, worth every effort to grow it. Very difficult to transplant, and leaves should be stripped when the plant is moved.

1 ft. 75 cts. each, \$6 for 10

KALMIA angustifolia. Narrow-leaved Laurel. 2 to 4 feet. Makes fine ground-cover. A charming, dwarf sort of the same general habit as latifolia, forming dense, low clumps. In early spring showy clusters of wheel-shaped, deep rose-colored flowers.

6 to 12 in. 35 cts. each, \$3 for 10, \$20 per 100

glauca. Pale Laurel. 1 to 2 feet. Larger flowers than preceding species; crimson-purple and very showy. Both glauca and angustifolia are invaluable for the Rhododendron border.

12 to 15 in. 75 cts. each, \$6 for 10

LEUCOTHOE catesbæi. 3 to 8 feet. Few shrub evergreens of the broad-leaved sort have the grace of this one. The thick, shining green leaves are evenly disposed on long, recurved branches, with dense racemes of beautiful, white, bell-shaped flowers. As an undershrub or for banks and the borders of streams it is without a rival. The sprays make beautiful winter decorations indoors, turning a rich bronze in the fall where exposed to the sun.

	Each	10	100
6 to 12 in.	\$0 50	\$4 00	\$30 00
1 to 1½ ft.	75	6 50	60 00
1½ to 2 ft.	1 50	12 50	110 00



Dendrium prostratum as a rockery plant in Massachusetts

Specimen Conifers and Evergreens

FOR AUGUST AND FALL PLANTING

Rhododendrons and similar broad-leaved Evergreens may be transplanted in August and the early fall months to great advantage and with a great saving of time. Nearly all Conifers and other Evergreens may also be handled at this season, if lifted with balls, and should become well established before the winter season. This means the saving of at least a year in results, and gives opportunity for making use of a planting season not so crowded as the spring months. All Evergreens and Rhododendrons are shipped with ball, and burlaped.



Abies fraseri, specimen on grounds of Highlands Nursery

ABIES concolor. White Fir.	Each	10
1 to 1½ ft.....	\$1 00	\$8 00
2 to 3 ft.....	1 75	15 00
3 to 4 ft.....	3 00	25 00
5 to 6 ft.....	7 00	
6 to 8 ft.....	9 00	80 00
8 to 10 ft.....	15 00	135 00
10 to 12 ft.....	25 00	
12 to 14 ft.....	35 00	
14 to 16 ft.....	45 00	

douglasi. See *Pseudotsuga*.

fraseri. Fraser's Fir. The northern species *Abies balsamea*, is almost worthless in any but the latitude of middle and northern Maine, as it becomes "leggy," thin, and is short-lived. Fraser's Fir, however, a distinct species from the highest peaks of the Carolina mountains, makes a perfect specimen lawn and screen tree,

Abies fraseri, continued

with dark green, thick-set foliage (blue underneath) and compact, pyramidal habit.

	Each	10	100
1 to 2 ft.....	\$0 45	\$4 00	\$30 00
2 to 3 ft.....			
1,000, \$700..	1 25	10 00	80 00
3 to 4 ft.....	1 75	15 00	130 00
8 to 10 ft.....	7 00		
10 to 12 ft.....	12 00		
12 to 14 ft.....	15 00		
14 to 16 ft.....	18 00		

nordmanniana. Nordmann's Fir.

	Each	10
2 to 3 ft.....	\$3 00	\$25 00
3 to 4 ft.....	4 00	35 00

CHAMÆCYPARIS lawsoniana alumi.

2 ft.....\$2 each, \$18 for 10

lawsoniana veitchi.

3½ ft.....\$2 each, \$18 for 10

JUNIPERUS chinensis pfitzeriana.

2 ft.....\$1.50 each, \$12.50 for 10

chinensis procumbens.

1½ to 2 ft.....\$1 each, \$9 for 10

communis aurea. Golden Juniper.

	Each	10
1 to 2 ft.....	\$1 00	\$8 50
2 to 3 ft.....	1 50	12 50

communis depressa. Common Prostrate

Juniper. This is the best prostrate type of Juniper for ground-cover. I have hundreds of fine, transplanted specimens with balls.

	Each	10	100
6 to 12 in. diam..	\$0 50	\$4 00	\$30 00
1 to 1½ ft. diam.	75	6 00	50 00
1½ to 2 ft. diam.	1 25	10 00	90 00
2 to 3 ft. diam..	1 75	15 00	130 00
3 to 4 ft. diam..	2 50	20 00	180 00

Larger specimens, up to \$15 each.

sabina. Savin Juniper.

1 to 1½ ft.....	60	5 00	40 00
1½ to 2 ft.....	1 25	9 00	80 00
2 to 3 ft.....	2 50	22 50	200 00

tamariscifolia. Gray Carpet Juniper.

	Each	10
1 ft.....	\$1 00	\$9 00
2 to 3 ft.....	2 50	20 00

virginiana. Red Cedar.

	Each	10	100
1 to 2 ft.....	\$0 60	\$5 00	\$40 00
2 to 3 ft.....	1 00	8 00	75 00
3 to 4 ft.....	1 50	12 00	100 00
4 to 5 ft.....	2 00	18 00	160 00
5 to 6 ft.....	3 50	30 00	
6 to 8 ft.....	6 00	50 00	
8 to 10 ft.....	9 00	80 00	
10 to 12 ft.....	12 00	110 00	
12 to 14 ft.....	15 00	140 00	

These prices are for transplanted specimens of good grade. Larger sizes or special selection at special prices.

KELSEY'S HARDY AMERICAN RHODODENDRONS

SPECIMEN CONIFERS AND EVERGREENS, continued

Juniperus virginiana glauca. Blue Virginia Cedar.

	Each	10	100
1½ to 2 ft.....	\$1 50	\$12 50	
2 to 3 ft.....	2 50	22 50	
3 to 4 ft.....	3 50	30 00	

virginiana schottii.

	Each	10	100
1 to 1½ ft.....	\$1 25		
2 to 3 ft.....	2 00	\$18 00	

PICEA alba. White Spruce.

	Each	10	100
2 to 3 ft.....	\$1 25	\$10 00	
3 to 4 ft.....	2 00	17 50	\$160 00
4 to 5 ft.....	3 50	30 00	
5 to 6 ft.....	4 50	40 00	
6 to 7 ft.....	7 00	60 00	
7 to 8 ft.....	9 00	80 00	
8 to 10 ft.....	12 00	100 00	
10 to 12 ft.....	15 00		

alcockiana.
3 to 4 ft.....\$1.25 each, \$12 for 10

concolor. See **Abies.**

mariana. Black Spruce.

	Each	10	100
2 to 3 ft.....	\$1 50	\$12 50	
3 to 4 ft.....	2 00	17 50	\$150 00
4 to 5 ft.....	3 00	27 50	

pungens. Colorado Spruce.

	Each	10	100
2 to 3 ft.....	\$2 00	\$18 00	\$160 00
3 to 4 ft.....	3 00	25 00	225 00
4 to 5 ft.....	4 00	35 00	325 00
5 to 6 ft.....	6 00		
6 to 8 ft.....	8 00	75 00	
8 to 10 ft.....	10 00		
10 to 12 ft.....	12 50		

pungens kosteri. Koster's Blue Spruce.

	Each	10	100
1 to 1½ ft.....	\$2 50	\$22 50	\$200 00
1½ to 2 ft.....	3 50	32 50	
2 to 3 ft.....	4 50	40 00	375 00
3 to 4 ft.....	6 00	50 00	
4 to 5 ft.....	8 00	75 00	
5 to 6 ft.....	10 00	90 00	

sitchensis. Sitka Spruce.
3 to 4 ft.....\$3 each

PINUS austriaca. Austrian Pine.
1 to 1½ ft., 50 cts. each, \$4 for 10, \$30 per 100.

cembra. Swiss Stone Pine.

	Each	10	100
1 to 1½ ft.....	\$1 50	\$12 50	
2 to 3 ft.....	2 50	22 50	

densiflora. Japanese Red Pine.

	Each	10	100
1½ to 2 ft.....	\$1 00	\$8 00	\$70 00
2 to 3 ft.....	1 50	12 00	100 00

divaricata (banksiana). Jack Pine.

	Each	10	100
3 to 4 ft.....	\$1 00	\$8 50	\$70 00
4 to 6 ft.....	2 00	18 00	150 00
6 to 8 ft.....	3 50	30 00	275 00
8 to 10 ft.....	5 00	40 00	

flexilis. Limber Pine.

	Each	10	100
1½ to 2 ft.....	\$1 00	\$8 50	
2 to 3 ft.....	1 50	12 00	
3 to 4 ft.....	2 00	18 00	

mughus. Dwarf Pine.

	Each	10	100
9 to 12 in.....	\$0 60	\$5 00	\$40 00
1 to 1½ ft.....	1 00	8 00	70 00
1½ to 2 ft.....	1 50	12 50	100 00

Pinus murrayana. Lodge-Pole Pine.

	Each	10	100
3 to 4 ft.....	\$1 00	\$8 00	\$70 00
6 to 8 ft.....	2 00	18 00	160 00

ponderosa. Bull Pine.

	Each	10	100
1 to 1½ ft.....	\$0 40	\$3 00	
1½ to 2 ft.....	60	5 00	
2 to 3 ft.....	1 25		

pungens. Table Mountain Pine.
6 to 8 ft.....\$2.50 each

resinosa. Red Pine.

	Each	10	100
6 to 12 in.....	\$0 40	\$3 00	\$20 00
1 to 1½ ft.....	60	4 00	30 00
1½ to 2 ft.....	1 00	8 00	75 00

rigida. Pitch Pine.

	Each	10	100
1 to 1½ ft.....	\$0 15	\$1 00	\$8 00
1½ to 2 ft.....	25	2 00	16 00
2 to 3 ft.....	60	5 00	
4 to 5 ft.....	1 50	12 00	
5 to 6 ft.....	2 50		

strobus. White Pine.

	Each	10	100	1,000
1 to 1½ ft.....	\$0 20	\$1 50	\$12 50	\$110 00
1½ to 2 ft.....	35	3 00	25 00	200 00
2 to 3 ft.....	60	5 00	45 00	400 00
3 to 4 ft.....	1 25	10 00	80 00	
4 to 5 ft.....	2 50	20 00		
6 to 8 ft.....	6 00	50 00		

sylvestris. Scotch Pine.

	Each	10	100
2 to 3 ft.....			
1,000, \$400..	\$0 75	\$6 00	\$50 00
3 to 4 ft.....	1 25	10 00	80 00
4 to 5 ft.....	2 00	18 00	160 00
5 to 6 ft.....	3 00	26 00	
6 to 8 ft.....	4 00	35 00	325 00

wateriana.
1 to 1½ ft.....\$1.25 each, \$10 for 10



Austrian Pine

SPECIMEN CONIFERS AND EVERGREENS, continued

PSEUDOTSUGA douglasii (taxifolia).

	Each	10	100
1 to 1½ ft.....	\$0 60	\$5 00	\$40 00
1½ to 2 ft.....	1 00	8 00	70 00
2 to 3 ft.....	1 50	12 50	100 00
3 to 4 ft.....	2 00	18 00	

RETINOSPORA obtusa gracilis. Japanese Cypress.

	Each	10
1 ft.....	\$0 75	\$6 00
2½ ft.....	2 00	18 00

obtusa nana. Dwarf Japanese Cypress.
1½ to 2 ft..... \$2 each, \$18 for 10

obtusa pygmaea.
9 to 12 in..... \$1.50 each, \$12.50 for 10

TAXUS canadensis. Canadian Yew.
3 to 6 in..... 50 cts. each, \$4 for 10

cuspidata brevifolia. Japanese Yew.
9 to 12 in..... \$1 each, \$8 for 10

THUYA occidentalis. American Arborvitæ.

	Each	10	100
1 to 1½ ft.....	\$0 30	\$2 50	
2 to 3 ft.....	60	5 00	
3 to 4 ft.....	1 00	8 00	\$65 00
4 to 5 ft.....	1 50	12 50	

occidentalis hoveyi.
1½ to 2 ft..... \$1 each, \$8 for 10

occidentalis lutea (George Peabody).
2 to 3 ft..... \$1.50 each, \$12 for 10

Thuya occidentalis pyramidalis. Pyramidal Arborvitæ.

	Each	10	100
1 to 1½ ft.....	\$0 60	\$5 00	\$40 00
1½ to 2 ft.....	1 00	8 00	70 00
2 to 3 ft.....	1 50	12 00	110 00
3 to 4 ft.....	2 00	18 00	

occidentalis wareana (sibirica).
2 to 3 ft..... \$1.50 each, \$12.50 for 10

TSUGA canadensis. Common Hemlock.

	Each	10	100
2 to 3 ft.....	\$1 25	\$10 00	\$90 00
3 to 4 ft.....	1 75	15 00	140 00
4 to 5 ft.....	3 00	27 50	250 00
5 to 6 ft.....	5 00	45 00	400 00
7 to 8 ft.....	8 00	75 00	700 00
8 to 10 ft.....	10 00	90 00	

caroliniana. Carolina Hemlock. 40 to 80 feet. This grand new Hemlock, introduced by me, possesses a distinct pyramidal growth, and attains a height of 40 to 80 feet. Its dense, dark foliage and graceful habit are approached only by the finer Japanese Hemlocks. Some fine specimens are to be seen in the Arnold Arboretum, and are the first plants of this Hemlock ever sent out, being supplied by me to Prof. C. S. Sargent in 1884.

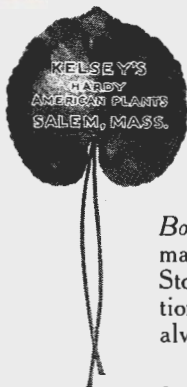
	Each	10
3 to 4 ft.....	\$4 00	
4 to 5 ft.....	6 00	\$50 00
5 to 6 ft.....	10 00	90 00
6 to 7 ft.....	15 00	140 00
7 to 8 ft.....	18 00	175 00



Rhododendron catawbiense at 5,000 feet elevation, western North Carolina

Landscape Department. Visits are made for consultation and advice, to make surveys, designing and planting plans. Entire construction, planting and carrying out of landscape work of all kinds undertaken, and charges will be found reasonable and consistent with good workmanship and permanent results.

The Wild Garden. The basis of all the best landscape work of a permanent nature must be Native Plants and particularly where naturalistic effects are desired. If this fact is ignored, tame and fleeting results will follow. I make a specialty of **Wild Gardening**, and my long experience is here of greatest value. Every garden or estate has its own peculiar problems, and a discussion of details may prove helpful in unexpected ways. Send for special information, which cannot fail to be of interest.



BOXFORD NURSERY

BOXFORD, MASS.

This is a priced catalogue of Hardy Rhododendrons, Mountain Laurel and Specimen Evergreens growing at my *Boxford Nursery*, excepting "collected" stock as noted. Here may be seen growing the choicest collections of Specimen Nursery Stock, selected for the most discriminating buyers. Special attention is given to Hardy Native American Plants, which must always be the basis of successful permanent plantings.

SPECIMEN STOCK. There is a growing demand for fine specimen stock in Conifers, Rhododendrons, Kalmias, Andromedas and other evergreens, and American Azaleas, and my *Boxford Nursery* is established to supply just this need, which has been felt so long.

PRICES are made to fit the quality of stock sent out. Few realize that the real value of nursery stock is largely underground. Frequent transplanting, and handling specimens with adequate burlaped balls, means success and quick results. It costs more, but it is the fixed policy of my *Boxford Nursery*; and "cheap" stock will not be handled or sent out. The best is always the cheapest.

AN EXTRA PRICE is always charged for special selection on the grounds.

PACKING CHARGES FREE for shipment by freight or express. Team and auto delivery to North Shore or Boston points at net cost.

HIGHLANDS NURSERY

PINEOLA, N. C.

3,800 ft. elevation, on the crest of the Alleghany Mountains, one may see Rhododendrons, Azaleas, Leucothoes, Kalmias and Andromedas growing in all sizes by tens of thousands in single species, and nowhere else can be found such a collection of rare American plants of unquestionable hardiness—the best for American gardens.

THE CAROLINA MOUNTAINS are the native home of the most beautiful Broad-leaved Evergreens and Ericaceous Shrubs. *Highlands Nursery* not only ships direct to customers, but is a great propagating plant, supplying material for my *Boxford Nursery*. A catalogue of *Highlands Nursery* will be sent on request.

VISITORS ARE ALWAYS WELCOME at both Nurseries or at my Salem Office. Many customers take the trip to my *Highlands Nursery* in the Carolina mountains during the blooming season of Rhododendrons and Azaleas. No such show can be seen elsewhere, and it is an outing worth while. I shall be glad to give details.

CATALOGUES. A new finely *Illustrated Catalogue* is being prepared and will be sent on request. *Special bulb* and other lists are ready at all times.

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Boxford, Mass.

HIGHLANDS NURSERY
3,800 ft. elevation in the
Carolina Mountains

HARLAN P. KELSEY, *Owner*

Office, Hawthorne Building

SALEM, MASS.

HOW TO GROW RHODODENDRONS SUCCESSFULLY
RHODODENDRONS BY THE CARLOAD

KELSEY'S

HARDY AMERICAN RHODODENDRONS *AND* SPECIMEN EVERGREENS



TSUGA CAROLINIANA
THE CAROLINA HEMLOCK

HIGHLANDS NURSERY
3,800 FEET ELEVATION
IN THE CAROLINA MOUNTAINS

BOXFORD NURSERY, BOXFORD, MASS.

HARLAN P. KELSEY, OWNER
SALEM, MASS.