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APR 1 1924 \*

# Kelsey's Hardy American Trees, Shrubs and Plants

Rhododendrons
Azaleas
Mountain Laurel
Leucothoe
Andromedas
Specimen Conifers, Etc.



"Hardy
New England Grown
— Best by Test"—

HARLAN P. KELSEY, Owner Boxford-Highlands Nursery SALEM, MASSACHUSETTS

This Catalog abrogates all previous prices



#### **BOXFORD-HIGHLANDS NURSERY**

Hardy Native American Plants and Specimen Evergreens Specialties at Boxford-Highlands Nursery, backed by over thirty years' experience. Many of our choicest American ornamentals have been introduced to cultivation by me, including Carolina Hemlock, Azalea vaseyi, Rhododendron carolinianum, Lilium grayi, Shortia gala-Robinia kelseyi, Rhododendron catawbiense compacta, and many others.

Shipping Season begins in Spring, when frost leaves the ground, usually March 15 to June 1st. August planting of Specimen Evergreens—Rhododendrons, Kalmias, Leucothoes, Conifers and many Bulbs and Herbaceous Plants—has proved most successful, general

stock going out again from September to December.

Shipping Instructions should be given, otherwise I use my best judgment, but assume no risk. All shipments travel at purchaser's risk and carriers must be held liable for any damage in transit. All stock becomes the property of the purchaser on delivery to trans-

stock becomes the property of the purchaser on delivery to trainsportation company or carrier.

Truck Delivery. Where the size of order warrants, there are distinct advantages in auto-truck delivery for distances up to 30 to 50 miles, and we have made large deliveries up to 200 miles. Stock arrives quickly and when wanted, and is delivered fresh on the grounds, saving local trucking and unpacking. Charges are made according to size of truck and distance traveled.

Prices are made to fit the quality of the stock sent out. Discrimination haves now realize that the greatest value of nursery stock is

nating buyers now realize that the greatest value of nursery stock is 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 the Boxford-Highlands Nursery, and "cheap" stock will not be handled or sent out. The best is always the cheapest.

Special Selection. Stock specially selected at Nursery or ordered by mail will be charged at advance prices to fit the value of stock The prices in this catalog cover the average good grade as selected.

Packing Charges. At prices printed in this catalog, boxing, balling or burlaping is free, except where noted. Where small sizes or deciduous stock is balled and burlaped by special request or to the "Trade," a charge is always made to cover cost, as follows:

Burlaping								Each
Small	siz	es			 	 	 	 \$0.10
2 to 3	ft.	clumps	and	trees.	 	 	 	 15
3 to 4	ft.	clumps	and	trees.	 	 	 	 20
4 to 6	ft.	clumps	and	trees.	 	 	 	 25
6 to 8	ft.	clumps	and	trees.	 	 	 	 30

Larger sizes are billed in proportion. Where large evergreens are shipped on "platforms," a suitable charge will be made to cover cost.

Terms. Cash or satisfactory reference from unknown customers. All accounts are due the first of each month, unless by special arrangement. Five at 10 rate; 50 at 100 rate; 500 at 1,000 rate. 5 per cent discount may be deducted when cash accompanies order. When not taken, extra plants will be sent to cover such discount.

not taken, extra plants will be sent to cover such discount.

Non-Warranty. No guarantee, express or implied, is made that stock will grow, whether planted by me or otherwise. Having no control over after-treatment of plantings or over weather conditions, it is obvious that purchaser must assume all responsibility after stock leaves the Nursery in good condition. However, under certain conditions I am prepared to guarantee plantings made by me covering a specified period, on an insurance basis. Charges will be made according to the risk involved and value of material according to the risk involved and value of material.

according to the risk involved and value of material.

Claims for errors must be made on receipt of goods. If there is any mistake or fault on my part it will be gladly rectified.

Quarantine. The Federal Horticultural Board has proclaimed a practically complete embargo on all Foreign Trees and Shrubs and most Herbaceous Plants. Americans are now learning that our Native Trees and Plants are hardier, freer from disease, more permanent, and far more beautiful and "fifting" in our landscapes and home grounds than exotic material. Still the best exotics can and now will be grown in America for Americans. We are growing them by the property of the pr by thousands.

#### HARLAN P. KELSEY



AZALEA ARBORESCENS, Sweet Azalea, Photographed in Franklin Park, from stock supplied by Boxford-Highlands Nursery.

## LANDSCAPE DEPARTMENT

Planning and Planting, and the Use of Hardy Native Plants The successful carrying out of any landscape improvement depends to so great an extent upon the knowledge, skill, and good taste of the one to whom this work is intrusted, that it is supremely importhe one to whom this work is intrusted, that it is supremely important to start right, no matter whether the work be large or small.

By the employment of a trained landscape architect expensive experiments may be avoided and successful results insured. This applies to questions both of design and of practical planting.

There are so many well-trained landscape architects today that

There are so many well-trained landscape architects today that there is little excuse for anyone not having the joys that come from well-executed work, based on plans that properly fit each case.

The undersigned takes charge of the laying out and planting of large and small grounds, extensive estates, parks, cemeteries, and other public or private landscape improvements. Particular attention is given to the use of hardy American plants, which are unquestionably the basis of all the best permanent plantings in this country, and particularly where naturalistic effects are desired. If this fact is ignored, the most finished and lasting results cannot be secured. The formal garden, where in the past exotics have been used almost. The formal garden, where in the past exotics have been used almost exclusively, has wonderful possibilities for the employment of native plants, and especially our magnificent Rhododendrons, Kalmias, and other broadleaf evergreens, as well as Junipers, Hemlocks, Pines and other Conifers. These plants are not only absolutely hardy and unusually free from foreign diseases and pests, but show splendid summer and winter effects that can be produced in no other way. There are, in fact, no foreign plants which can adequately take their place.

Horticultural knowledge, including soil requirements and an intimate acquaintance with plant material, is quite as essential as and co-ordinate with proper designing,—facts too often overlooked. More-over, water-color sketches do not constitute landscape gardening. It is an art to be practised only after years of study and experience, and, like painting and sculpture, must be born in one and cannot be alto-

gether acquired.

We are not committed to the use of Native Plants exclusively, and, where useful and advisable, always introduce the best exotics to pro-

duce desired results.

The undersigned is prepared to make professional visits for consultation and advice, to make surveys, plans and designs, and to undertake the entire construction, planting, and carrying out of landscape work of all descriptions.

The wild garden, the rockery, and the bog and water garden offer possibilities in the way of interest, distinctiveness and variety that are often almost wholly overlooked or but meagerly taken advan-

tage of.

The mountain or seashore bungalow, the modest town home, and the pretentious estate must each have a treatment suitable to particular needs, though in every case a development should prevail that makes the most of striking natural features or topography, giving to each a character of its own.

Lack of time, distance, and other conditions may sometimes lead customers to desire a local landscape architect. I know the leading members of the profession, and at any time on request will gladly recommend landscape architects who may be safely trusted with any

commission, large or small.

Landscape Forestry. We do Landscape Forestry, treating woodlands from a landscape standpoint as well as for commercial uses. Our Landscape Department plans and plants large or small estates.

Mr. Kelsey is open for consultations and engagements.

Correspondence with those having new grounds to lay out and plant, or unsatisfactory old grounds to make over, is solicited. Charges are reasonable, yet sufficient to warrant the best results in fairness to my clients and myself.

HARLAN P. KELSEY, Landscape Department,

Hawthorne Building, Salem, Massachusetts, Telephone Connection.



ABIES FRASERI, Fraser Fir, as a specimen.

A fine species from the high Carolina Mountains and far superior to the northern Balsam Fir.

# HARDY CONIFERS AND OTHER EVERGREENS

#### THE FIRS, Abies

ABIES CONCOLOR, White Fir. Each 10	100
12-18 in. \$1.50 \$12.00	\$115.00
18-24 in. 2.50 22.50	210.00
2-3 ft, 4.00 36.00	330.00
3-4 ft. 6.00 54.00	500.00
Extra Specimens, 9-18 ft., \$10.00 to \$150.00 each	
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ABIES FRASERI, Fraser Fir.	
A fine species from the Carolina Mountains and far su	iperior to
the Northern Balsam Fir.	
12-18 in60 5.40	45.00
18-24 in. 1.00 9.00	81.00
Specimens 6-7 ft. 7.00 66.00	600.00
7-8 ft. 9.00 84.00	780.00
8-9 ft. 12.00 105.00	
Extra Specimens, 9-14 ft., \$15.00 to \$50.00 each	
ABIES FIRMA, Momi Fir. 6-9 in60 5.40	
ABIES HOMOLEPSIS (brachyphylla), Nikko Fir.	
18-24 in, 3.00 27.00	
2-3 ft. 4.50 42.00	
5-6 ft, 8.00 72.00	
ABIES HOMOLEPSIS UMBILICATA (umbellata), Dimplecon	ie Fir.
5-9 ft. \$7.00 to \$15.00 each	
ABIES PECTINATA, Silver Fir.	
18-24 in. 3.50 •	
ABIES VEITCHI, Veitch Fir. 2-3 ft. 4.50 42.00	
3-4 ft. 6.00 54.00	
4-5 ft. 9.00	
6-7 ft. 12.00	
Larger Specimens up to \$100.00 each	
ANDROMEDA DOLLA Con under Drondled Eventmen	
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ANDROMEDA POLIFOLIA, See under Broadleaf Evergree	ns.
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ARCTOSTAPHYLOS UVAURSI. See under Broadleaf Eve	rgreens.
ARCTOSTAPHYLOS UVAURSI. See under Broadleaf Evergree THE CYPRESS AND RETINOSPORA, Chamae	rgreens.
THE CYPRESS AND RETINOSPORA, Chamae	cyparis
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	Each	10	100
JUNIPERUS SABINA, Savin. 6-9 in.	1.00	9.00	81.00
JUNIPERUS SABINA TAMARISCIFOLIA, 3-6 in.	Tamarix		E0.00
JUNIPERUS VIRGINIANA, Redcedar.	.75	6.75	50.00
12-18 in.	.65	6.00	54.00
18-24 in. 2-3 ft.	$\frac{1.00}{2.00}$	$9.00 \\ 18.00$	81.00 162.00
2-3 ft. 3-4 ft.	3.50	31.50	276.00
4-5 ft.	4.50		
5-6 ft. JUNIPERUS VIRGINIANA GLAUCA, SIN	6.00	lan	
2-3 ft.	4.00	36.00	
JUNIPERUS VIRGINIANA SCHOTTI, Sc	hott Redce	dar.	
4-5 ft. 5-6 ft.	6.00 9.00		
KALMIA. See under Broadleaf Evergreen			
LEIOPHYLLUM BUXIFOLIUM. See und	er Broadle	af Everg	reens.
LEUCOTHOE CATESBAEI. See under B	roadleaf E	vergreens	
THE SPRUCES.	Picea		
THE STREETS,	Each	10	1.00
PICEA CANADENSIS (alba), White Spru		10	100
6-9 in.	.45	3,75	30.00
12-18 in.	.85	7.65	69.00
18-24 in. 2-3 ft.	$\frac{1.60}{2.50}$	14.40 24.00	
3-4 ft.	3.50		
Larger Specimens up to	50.00 each	•	
PICEA CANADENSIS CAERULEA, Silver 8-9 ft.	15.00	oruce.	
PICEA ENGELMANNI, Engelmann Spri	ice.		
12-18 in. 18-24 in.	1.25 1.75	$12.00 \\ 15.00$	108.00 135.00
PICEA EXCELSA, Norway Spruce.	1.75	19.00	130.00
18-24 in.	.75	6.00	54.00
2-3 ft.	1.60	14.40	127.00
PICEA KOYAMAI, Koyamai Spruce. A beautiful rare Japanese species.			
9-12 in.	.75	6.00	54.00
12-18 in. PICEA OMORIKA, Serbian Spruce.	1.25	12.00	
Perhaps the finest of the spruces and	very rare.		
3-4 ft.	12.00		
PICEA PUNGENS (parryana), Colorado : This is a typical green form.	spruce.		
12-18 in.	1.00	9.00	81.00
18-24 in. 2-3 ft.	$\frac{1.50}{2.50}$	$\frac{13.50}{24.00}$	129.00 210.00
3-4 ft.	4.00	36.00	210.00
7-15 ft. Specimens up to	\$75.00 eac	h.	
PICEA PUNGENS GLAUCA, Blue Colors Selected from seedling types but not	ido Spruce grafted	•	
12-18 in.	2.75	27.00	225.00
18-24 in. 2-3 ft.	$\frac{3.60}{5.20}$	33.00 48.00	300.00 450.00
2-3 It. 3-4 ft.	7.50	48.00	450.00
6-18 ft. Specimens up to	\$90.00 each	1.	
These are true Koster variety and		necimens	in every
respect. 7-8 ft.	60.00	549.00	in every
8-9 ft.	75.00	675.00	
9-10 ft. 10-12 ft.	$90.00 \\ 120.00$	810.00 1080.00	
PICEA RUBRA, Red Spruce. 4-5 ft.	3.50	30.00	
PIERIS FLORIBUNDA. See under Broad	lleaf Ever	greens.	

THE PINES, Pi	THE PINES, Pinus						
PINUS BANKSIANA, Jack Pine.	Each	10	100				
2-3 ft.	.75	6.00	45.00				
3-4 ft.	1.50	12.00	108.00				
4-5 ft. 5-6 ft.	$\frac{2.50}{3.50}$	$\frac{21.00}{30.00}$	180.00 270.00				
6-8 ft.	5.00	45.00	405.00				
8-10 ft.	8.00	75.00	600.00				
PINUS CEMBRA, Swiss Stone Pine.	1.05	15.00					
12-18 in. 18-24 in.	$\frac{1.75}{2.50}$	22.50					
3-4 ft.	3.50	31.50					
PINUS DENSIFLORA, Japanese Red Pine.		<b>4 7</b> 00					
2-3 ft. 5-6 ft.	$\frac{1.75}{4.00}$	15.00 36.00					
PINUS EDULIS, Nut Pine. 3-6 in.	.50	4.50					
PINUS FLEXILIS, Limber Pine.							
12-18 in.	.75	5.40	45.00				
18-24 in. 2-3 ft.	$\frac{1.00}{2.00}$	$7.50 \\ 15.00$	$60.00 \\ 132.00$				
3-4 ft.	3.00	27.00	- 102100				
4-5_ft.	4.00	36.00					
PINUS MONTANA, Swiss Mountain Pine.	4,00	36.00					
2-3 1t, 3-4 ft.	8.00	72.00					
4-5 ft.	12.50	120.00					
PINUS MONTANA MUGHUS, Mugho Pin	е.	e e					
Perhaps the most useful of the dwa planting, 6-12 in,	iri conifers	for fou 12.00	108.00				
12-18 in.	1.60	15.00	135.00				
18-24 in.	2.40	22.50	210.00				
2-3 ft. 3-4 ft.	4.50	42.00	378.00				
PINUS MONTICOLA, Western White Pine	8.00	72.00					
2-3 ft.	1.50	12.00	108.00				
3-4 ft.	2.00	18.00	162.00				
PINUS NIGRA, Austrian Pine. 6-12 in.	.60	5.40	48.00				
12-18 in.	1.25	12.00	20.00				
18-24 in.	2.00	18.00					
2-3 ft. 3-4 ft.	3.00 4.50	27.00 40.50	255.00				
4-5 ft.	6.00	54.00					
PINUS PARVIFLORA, Japanese White Pin		0 =100					
18-24 in.	2.00						
PINUS PONDEROSA, Western Yellow Pi 18-24 in.	ne. 1.00	9.00	81.00				
2-3 ft.	2.00	18.00	162.00				
3-4 ft.	3.00	27.00	240.00				
4-5 ft.	5.00	45.00					
PINUS RESINOSA, Red Pine.	.75	6.75					
18-24 in.	1.25	11.25					
2-3 ft.	1.75	15.00					
4-5 ft. 5-6 ft.	6.00 8.00	54.00 72.00					
6-8 ft.	10.00	90.00					
8-10 ft.	15.00	141.00					
PINUS STROBUS, White Pine. 6-9 in.	.20	1.25	11.25				
6-9 in. 2-3 ft.	1.00	9.00	81.00				
3-4 ft.	2.00	18.00	162.00				
4-5 ft.	4.00	36.00					
5-6 ft. Specimens 6-8 ft.	6.00 9.00	54.00 81.00					
Specimens 8-10 ft.	12.00	108.00					
Extra sheared Specimens, 6-10 ft., 9	\$12.00 to \$20						
Seedlings, 2-year, 6-9 in., at	\$21.00 per	1,000.					

PINUS SYLVESTRIS, Scotch Pine	Each	10	100
Specimens 8-10 ft.	10.00	90.00	100
Specimens 10-12 ft.	12.50	112.50	
Extra Specimens, \$15.00 to \$		1.	
PINUS THUNBERGI, Japanese Black Pine	2.00	10.00	
2-3 ft. 3-4 ft.	3.00	$\frac{18.00}{27.00}$	
PSEUDOTSUGA DOUGLASI, Douglas-fir,	9.00	21.00	
6-9 in.	.30	2.40	21.00
9-12 in.	.60	5.40	48.00
12-18 in.	1.00	9.00	81.00
18-24 in. 2-3 ft.	$\frac{1.50}{2.25}$	$\frac{13.50}{21.00}$	120.00 $189.00$
3-4 ft.	3.00	$\frac{21.00}{27.00}$	240.00
4-5 ft.	5.00	45.00	
5-6 ft.	7.00	63.00	
Larger Specimens up to \$4			
PSEUDOTSUGA DOUGLASI GLAUCA, Blue	Douglas	-fir.	
7-8 ft. RHODODENDRONS. See under Broadleaf			
	_	ens.	
SCIADOPITYS VERTICILLATA, Umbrella- 9-12 in.	-pine. 1.50		
12-18 in.	2.50		
THE YEWS, Tax	XIIS		
1112 12112, 131			
TAXUS BACCATA REPANDENS, Spreading	ng Englis	sh Yew.	
	Each	10	100
15-18 in.	3.00	27.00	
18-24 in.	5.00	45.00	
TAXUS CANADENSIS (minor), Canada Y 6-9 in.	ew. 1.00	9.00	81.00
9-12 in.	1.50	13.00	120.00
12-18 in.	2.00	18.00	
TAXUS CUSPIDATA, Japanese Yew. 9-12 in.	2.00	18.00	
15-18 in.	3.00	27.00	
18-24 in.	4.00	36.00	
2-2½ ft.	5.00	45.00	
TAXUS CUSPIDATA NANA (brevifolia), D	warf Jap 2.00	anese Yev 18.00	١.
9-12 in. 12-18 in.	4.00	36.00	
12 10 111	2.00		
THE ARBORVITAES	Thuis		
IIIL ARDORVITALS	, indja	•	
THUJA OCCIDENTALIS, American Arbor		4.0	= 00
0.40.5	Each	$\frac{10}{2.00}$	100 18.00
9-12 in. 12-18 in.	.30 1.00	9.00	81.00
18-24 in.	1.50	13.50	120.00
2-3 ft.	2.00	18.00	162.00
3-4 ft.	3.00 4.00	$\frac{27.00}{36.00}$	
4-5 ft. 5-6 ft.	5.00	45.00	
	ican Glo		itae.
6-9 in.	1.00	9.00	
12-18 in.	1.50	13.50	3.6
THUJA OCCIDENTALIS AUREA, Golden 3-6 in.	.75	n Arborvit 6,75	60.00
THUJA OCCIDENTALIS WAREANA, War	e Arborvi	tae.	
12-18 in.	1.50	13.50	
18-24 in.	2.50	21.00	

## HORTICULTURAL VARIETIES OF THUJA. AMERICAN PYRAMIDAL ARBORVITAE (occidentalis pyramidalis).

	Each	10	100
6-9 in.	.75	6.75	60.00
9-12 in.	1.00	9.00	81.00
12-18 in.	1.50	13.50	120.00
18-24 in.	2.00	18.00	162.00
2-3 ft.	3.25	30.00	



ABIES CONCOLOR, White Fir.
Large specimens at Boxford-Highlands Nursery,



CAROLINA HEMLOCK (Tsuga caroliniana)

"Its dense, dark foliage, sweeping semi-pendulous branches, and eventually pyramidal form, combine to give a charm not found in any other evergreen known to cultivation."

Photographed by Harlan P. Kelsey at the Arnold Arboretum, Jamaica Plain, Mass.

#### THE HEMLOCKS, Tsuga

TSUGA CANADENSIS, Canada Hemlock,

20 0, 1 0, 11.1, 12 = 11010, 0alla	aa iiciiiiooiti			
		Each	10	100
	6-9 in.	.50	4.50	39.00
	9-12 in.	.75	6.75	60.00
	12-18 in.	1.00	9.00	81.00
	18-24 in.	1.75	16.00	
	2-3 ft.	2.50	24.00	200.00
Sizes from 6 ft. up are	5-6 ft.	7.00	63.00	
extra heavy specimens.	6-7 ft.	10.00	90.00	
	7-8 ft.	15.00	135.00	
	8-10 ft.	18.00	156.00	
	10-12 ft.	25.00	225.00	
	12-14 ft.	30.00	270.00	

TSUGA CANADENSIS PENDULA, Sargent Weeping Hemlock. 2-21/4 ft. spread, \$15.00.

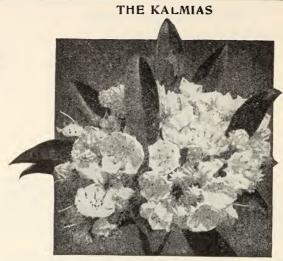
TSUGA CAROLINIANA, Carolina Hemlock.

Carolina Hemlock is unique in habit, with dark, dense, tufted foliage on sweeping pendulous branches with a "Japanese effect." It is hardier and more adapted to trying city atmospheres than the Canada Hemlock and seems to thrive in southern latitudes where the latter becomes thin, yellow and unsightly. Professor C. S. Sargent, Director of the Arnold Arboretum, says, in a letter dated October 30, 1923: "As you know I consider this tree (Carolina Hemlock) the handsomest conifer we can grow in New England."

12-18	in.	1.50	14.00	132.00
18-24	in.	2.25	20.00	180.00
2-3	ft.	3.50	30.00	270.00
3-4	ft.	6.00	50.00	450.00
4-5	ft.	12.00	100.00	
5-6	ft.	20.00	180.00	
6-7		30.00	270.00	
7-8	ft.	40.00	360.00	

## RHODODENDRONS, KALMIAS AND OTHER HARDY BROADLEAF **EVERGREENS**

	Each	10	100			
ANDROMEDA POLIFOLIA, Bogrosemary.	20	- 40				
9-12 in. CALLUNA VULGARIS HUMOSA.	.60	5.40				
12-18 in.	1.00	9.00				
CALLUNA VULGARIS ALBA, White Heat	her.					
9-12 in.	1.00	9.00				
12-18 in.	1.50					
CHAMAEDAPHNE CALYCULATA, Leather						
3-6 in.	.40	3.60	30.00			
Clumps 12-18 in,	.75	6.75	60.00			
Clumps 18-24 in.	1.25	11.25				
DAPHNE CNEORUM, Rose Daphne,						
6-9 in.	.60	5.40	48.00			
12-15 in.	1.25	11.25				
GAYLUSSACIA BRACHYCERA, Box Huckleberry.						
3-6 in.	1.25	11.25				



Kalmia	latifolia,	detall	of	flowers

KALMIA AUGUSTIFOLIA, Lambkill.			
A dwarf species, making a fine group	nd cover.		
	Each	10	100
Col. Clumps 6-12 in.	.50	4.50	39.00
KALMIA CAROLINA, Carolina Kalmia.			
3-6 in,	.50	4.50	39.00
KALMIA POLIFOLIA (glauca), Bog Kal	lmia.		
6-9 in.	.60	5.40	
KALMIA LATIFOLIA, Mountain-laurel.			
One of the most beautiful of our bro	oadleaf E	vergreen Shr	ubs. of
surpassing beauty when in bloom,	Boxford-	Highlands N	Vursery
has thousands of flowering-size clum		0	
6-9 in.	.75	6.75	60.00
9-12 in.	1.00	9.00	81.00
12-18 in.		11.25	102.00
18-24 in.		13.50	120.00
Clumps 18-24 in.		27.00	240.00
Clumps 2-3 ft.		36.00	324.00
Clumps 3-4 ft.	6.00	54.00	486.00
LEDUM GROENLANDICUM, True Labr		01.00	100.00
9-12 in.		5.40	
LEIOPHYLLUM BUXIFOLIUM, Box Sai		0.10	
3-6 in.		5,40	
LEIOPHYLLUM BUXIFOLIUM PROS			Sand-
myrtle. 3-6 in			Ouna
LEUCOTHOE CATESBAEL, Drooping L		0.10	
Invaluable as a border or undershru	b and for	edging the	Rhodo-
dendron and Azalea plantation. The	"spray"	foliage turns	a rich
bronze in autumn. Clumps 9-12 in.	.60	5.40	48.00
Clumps 12-18 in.			81.00
Clumps 18-24 in.			120.00
Clumps 2-3 ft.			195.00
PACHYSANDRA TERMINALIS, Japanes			100.00
2 year		1.75	15.00
PIERIS (Andromeda) FLORIBUNDA, Mo			20.00
6-9 in.		11.25	102.00
9-12 in.			102.00
12-18 in.			
18-24 in.	4.50		
	2.00	10.00	
12			

#### RHODODENDRONS

The Native American Rhododendrons are the best for American planting, being hardier than both the "hybrids" and the many Asiatic species. Even where the hardier of the hybrid varieties are successful, the dark-foliaged American species maximum and catawbiense should form the main background.

RHODODENDRON CAROLINIANUM, Carolina Rhododendron.
A clear pink American species, introduced by Harlan P. Kelsey many years ago. There is no magenta shade in the flowers. Entirely hardy and fine for massing on hillsides and in rockeries.

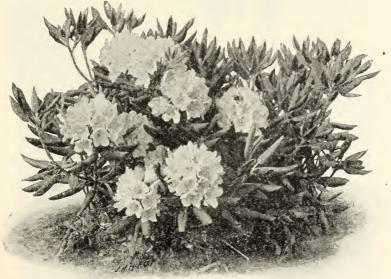
			F	Each	10	100
	9-12	in.	4	1.00	9.00	81.00
	12-18	in.		1.50	13.50	
Clumps	12-18	in.		2.50	21.00	
Clumps	18-24	in.		4.00	36.00	
AROLINIA	MILIM	Δ1	RIIM	\M/hi+a	Carolina	Rhodo-

RHODODENDRON CARO dendron. A white natural variety of the above, also an introduc-tion of Mr. Kelsey's,

Collected seedlings 6-9 in. 1.00 9.00

RHODODENDRON CATAWBIENSE, Catawba Rhododendron.
The hardiest and best all-round Rhododendron and the one which supplied color and hardiness to the cultivated hybrids, bright red-purple. Leaves dark shiny green.

	3-6 in.	.60	5.40	48.00
	6-9 in.	1.00	9.00	81.00
	9-12 in.	1.25	11,25	102.00
	12-18 in.	1.75	15.75	141.00
	18-24 in.	2.40	21.00	195.00
Clumps	12-18 in.	2.40	21.00	195.00
Clumps	2-3 ft.	4.00	36.00	
Clumps	3-4 ft.	6.00	54.00	
Clumps	4-5 ft.	9.00	81.00	





RHODODENDRON CATAWBIENSE COMPACTA.

A dense growing variety discovered and introduced by Harlan P. Kelsey. Very distinct from the catawhiense type.

		Each	10	100
Clumps	9-12 in.	2.50	21.00	195.00
Clumps	12-18 in.	3.00	27.00	240.00
Clumps	18-24 in.	4.00	36.00	324.00
Clumps	2-3 ft.	6.00	54.00	

60 00

RHODODENDRON MAXIMUM, Rosebay Rhododendron.

The white or pink-tinged flowers and late-blooming habit make this species invaluable for hardy Rhododendron plantings. RHODODENDRON MINUS, Piedmont Rhododendron.

9-12 in. 11.25

RHODODENDRON MUCRONULATUM, Korean Rhododendron, 3-6 in. .75 A hardy Asiatic species. 6.75

#### HORTICULTURAL VARIETIES OF RHODODENDRONS.

Some of the hardiest sorts as named below. 18-24 in. 2-2½ ft. 7.00 63.00 10.00 90.00 2½-3 ft. 108.00 12.00

Album Elegans, blush, changing to white, Caractacus, purplish crimson.
Charles Dickens, dark scarlet.
Ignatius Sargent, deep pink.
Mrs. Milner, rich crimson.
Opal (Luteoroseum), rose, blotched yellow.

Parsons Grandiflorum, rose.

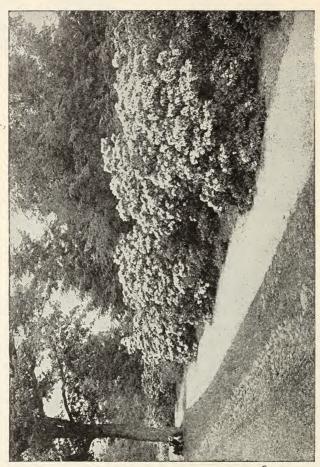
Purpureum Elegans, royal-purple. Roseum Elegans, rose.

Myrtle, Myrtifolium, deep rosy-pink.

12-18 in. 7.00 18-24 in.  $9.00 \\ 12.00$ 2½-3 ft. 18-24 in.



DROOPING LEUCOTHOE (L. catesbaei) The most beautiful broadleaf evergreen for low borders in America

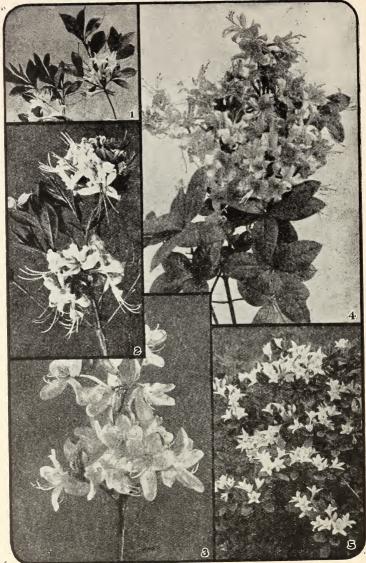


The Kalmia or Mountain-laurel at Arnold Arboretum, with background of tall evergreens Photograph by Harlan P. Kelsey

## **DECIDUOUS TREES AND SHRUBS**

ACER BUERGERIANUM, Trident Maple. Each	10	100
12-18 in60 18-24 in. 1.00	5.40	01.00
ACER DASYCARPUM (saccharinum), Silver Maple.	9.00	81.00
3-4 in. caliper 16-18 ft. 15.00		
ACER GINNALA, Amur Maple.		
3-4 ft	6.75 9.00	
5-6 ft. 1.50	13.50	
ACER PLATANOIDES, Norway Maple.		
12-18 in30 18-24 in50	2.70	21.00
18-24 in50 6-8 ft. 1.50	$\frac{4.50}{13.50}$	$39.00 \\ 120.00$
8-10 ft. 3.00	27.00	120.00
10-12 ft. 4.50 12-14 ft. 6.00	40.50 54.00	
14-16 ft. 8.00	54.00	
16-20 ft. 12.00	7.5	
Extra caliper at special prices.		
ACER RUBRUM, Red Maple. 2-3 ft30	2.40	21.00
3-4 ft50	4.50	21.00
4-5 ft	6.75	
6-8 ft. 2.00 ACER SACCHARUM, Sugar Maple.	18.00	
2-3 ft40	3.00	27.00
3-4 ft50	4.50	39.00
4-6 ft75 6-8 ft. 1.25	$\frac{6.75}{11.25}$	$60.00 \\ 102.00$
8-10 ft. 2.00	18.00	162.00
ACER SPICATUM, Mountain Maple. Seedlings 2-3 ft40	3.00	27.00
-		21.00
HORTICULTURAL VARIETIES OF A	CER.	
Wier Maple (Acer saccharinum wieri). 4-5 ft. 1.00	9.00	
10-12 ft. 3.00	27.00	
12-14 ft. 4.00	36.00	
Pyramidal Silver Maple (Acer dasycarpum pyramidal 5-6 ft. 3.50	31.50	
$2-2\frac{1}{2}$ in. caliper 6.00	54.00	
AMELANCHIER ALNIFOLIA, SASKATOON.	2.70	
	2.10	
AMELANCHIER CANADENSIS, Downy Shadblow. 2-3 ft. 40  AMORPHA TENNESSEENSIS, Tennessee-indigo. 2-3 ft. S60 3-4 ft. S75  AMYGDALLIS DAVIDIANA Chippes Wild Beach	3.00	
AMORPHA TENNESSEENSIS, Tennessee-indigo.	E 40	
2-3 ft. S60 3-4 ft. S75	$\frac{5.40}{6.75}$	
AMYGDALUS DAVIDIANA, Chinese Wild Peach.	0	
Seedlings .25	2.10	
ARALIA SPINOSA, Devils-Walkingstick.	2.40	
ARONIA ARBUTIFOLIA, Red Chokeberry.	0.70	04.00
6-12 in30 1-2 ft60	$\frac{2.70}{5.40}$	24.00 48.00
2-3 ft75	6.75	10.00
ARONIA MELANOCARPA, Black Chokeberry.	0.70	04.00
9-12 in30 18-24 in40	$\frac{2.70}{3.60}$	$\frac{21.00}{30.00}$
Clumps 2-3 ft60	5.40	48.00
Clumps 3-4 ft. 1.00	9.00	
ARONIA MELANOCARPA GRANDIFOLIA, Great BI	ack Choke	harry

## THE BEST HARDY AMERICAN AZALEAS



Azalea viscosa
 Azalea nudiflora
 Azalea vaseyi
 Azalea calendulacea
 Azalea arborescens

#### HARDY AMERICAN AZALEAS

The American Azaleas are among the choicest of all ornamentals, whether exotic or native, and were but rarely seen in cultivation before being disseminated by Boxford-Highlands Nursery.

They are seen at their best when planted in large masses, and in

properly prepared beds they richly repay any unusual care given them. Like most ericaceous plants, they love deep, moist, well-drained soil, and these showy native species are particularly adapted to planting in shrub borders and with Rhododendrons, their brilliant blossoms being shrub borders and with Knododendrons, their brilliant biossoms being set off by a background of dark foliage. Azaleas can be successfully grown almost anywhere, following the same instructions given for Rhododendrons. The complete hardiness of all the species we offer is unquestionable. No American shrubs equal the native Azalea, particularly Azalea calendulacea, for woodland and hillside plantings.

Our cold Carolina mountains have added no more beautiful plants to the garden than these American Azaleas, not excepting the mag-

inficent broad-leaf evergreen Rhododendrons of world-wide fame, arborescens, Sweet Azalea. 5 to 15 feet. In June the delightfully spicy, fragrant white flowers, with pink stamens, appear in profusion, lasting for weeks. Becomes a spreading clump, 3 to 6 feet broad, in cultivation; easy culture. The foliage of this variety often colors striking shades of red in late autumn, and is the best of all genus. The clumps offered have from 25 to 100 stems and are heavily budded

with enormous balls.

calendulacea, Flame Azalea. 6 to 15 feet. The most regal of all the species, native or exotic, and a noble representative of our rich Carospecies, native or exotic, and a none representative of our first Carolina mountain flora. Bartam, speaking of it in his "Travels," calls it the "fiery Azalea," and says: "This epithet 'fiery' I annex to this most celebrated species of Azalea, as being expressive of the appearance of its flowers, which are in general of the color of the finest red lead, orange, and bright gold, as well as yellow and cream-color. This is certainly the most gay and brilliant-flowering shrub yet known. No more striking landscape effect can be produced than a hillside of Azalea calendulacea in full bloom. Nearly all quoted above 18 inches are budded. These Azalea calendulacea are splendid clumps, with a mass of buds, and range in color from light sulphur-yellow to deep red. nudiflora, Pinxter Flower. Beautiful clear pink, blooming very

nudiflora, Pinxter Flower. Beautiful clear pink, blooming very early, just following A. vaseyi.

vaseyi, Pinkshell Azalea. 6 to 15 feet. This showy Azalea was

vaseyi, Pinkshell Azalea. 6 to 15 feet. This showy Azalea was discovered only as late as 1878, and introduced by Highlands Nursery very soon after. It is of easy culture and is perhaps the most profuse bloomer of all the native species, and the more conspicuous as its white, pink, or deep rose-colored flowers appear in early April or May before the foliage. Of erect, slender habit naturally, in cultivation it becomes more spreading, while retaining the charming light stem-growth. Autumn usually turns the leaves a deep, dark crimson, weath, aphenoing its becaute and value.

greatly enhancing its beauty and value.

vicosa, Swamp Azalea. White, sometimes tinged with pink. Makes fine clumps, often reaching a height of 10 to 12 feet. Quite fragrant.

time clumps, often reaching a neight of 10 to 12 feet. Quite fragrant.					
AZALEA ARBORESCENS, Sweet Azalea. Each 10 100					
	3-6 in.	1.00	. 8.40	75.00	
1	12-18 in.	1.50	13.50	120.00	
]	18-24 in.	2.00	18.00	162.00	
	2-3 ft.	3.00	27.00	240.00	
Clumps 1	l8-24 in.	3.00	27.00	240.00	
Clumps	2-3 ft.	4.50	40.50		
Clumps	3-4 ft.	7.00	63.00		
AZALEA CALENDULACEA (lut	ea), Flame	Azalea.			
1	12-18 in.	1.00	9.00	81.00	
]	18-24 in.	1.50	13.50	120.00	
	2-3 ft.	2.00	18.00	162.00	
Clumps	2-3 ft.	3.00	27.00		
Clumps	3-4 ft.	5.00	45.00		
AZALEA KAEMPFERI, Torch	Azalea.				
.,	8-10 in.	1.00	9.00		
AZALEA VASEYI, Pinkshell Aza					
	9-12 in.	1.00	9.00	81.00	
]	12-18 in.	1.25	11.25	102.00	
	18-24 in.	2.40	21.00	195.00	
	2-3 ft.	3.50	31.50	282.00	

AZALEA VISCOSA, Swamp Azalea. Each	10	100
12-18 in60 18-24 in. 1.00	5.40 9.00	48.00
Clumps 18-24 in. 1.75		81.00 <b>141.0</b> 0
Clumps 2-3 It. 2.50		201.00
Clumps 3-4 ft. 3.50 Clumps 4-5 ft. 6.00	31.50 54.00	
BERBERIS CANADENSIS, Allegheny Barberry.		
BERBERIS KOREANA, Korean Barberry.	9.00	
18-24 in. 1.00 BERBERIS POIRETI, Poiret Barberry.	9.00	
Seedlings 9-12 in40 BERBERIS SIEBOLDI, Siebold Barberry.	3.60	
$2\frac{1}{2}$ -3 ft60	5.40	
BERBERIS THUNBERGI, Japanese Barberry. 12-18 in40	3.60	30.00
18-24 in60	5.40	48.00
BERBERIS THUNBERGI MAXIMOWICZI, Coral Ba 12-18 in60	rberry. 5.40	48.00
18-24 in75	6.75	60.00
BERBERIS THUNBERGI MINOR, Box Barberry.	4.50	20 00
6-9 in50 9-12 in75	4.50 6.75	39.00 60.00
BERBERIS VERNAE, Verna Barberry,		
Seedlings 9-12 in40 BERBERIS VULGARIS, European Barberry.	3.60	30.00
BERBERIS VULGARIS, European Barberry. Seedlings 9-12 in25	2.10	18.00
18-24 in30	2.40	21.00
2-3 ft40 BETULA ALBA, European White Birch.	3.60	30.00
2-3 ft50	4.50	
3-4 ft75	6.75	
BETULA LENTA, Sweet Birch. 2.50	22.50	
2-3 ft40	3.60	
BETULA LUTEA, Yellow Birch.	3.60	
BETULA NIGRA, River Birch.		
18-24 in40	3.60 4.50	39.00
2-3 ft50 BETULA PAPYRIFERA (papyracea), Canoe Birch.	4.50	35.00
10-12 ft. 2.50	22.50	
BETULA POPULIFOLIA, Gray Birch. Seedlings 2-3 ft25	2.10	18.00
CALLICARPA JAPONICA, Japanese Beautyberry.	0.40	01.00
Seedlings 6-9 in30	2.40	21.00
CALYCANTHUS FLORIDUS, Common Sweetshrub. Clumps 12-18 in60	5.40	
CARPINUS CAROLINIANA (americana), American	Hornbeam	. 40.00
4-5 ft60 5-6 ft75	$\frac{5.40}{6.75}$	48.00 60.00
6-8 ft. 1.60	14.40	129.00
CASTANEA PUMILA, Chinquapin.	6.75	
12-18 in75 18-24 in. 1.00	9.00	
CEPHALANTHUS OCCIDENTALIS, Common Butto	nbush. 3.60	
CHIONANTHUS VIRGINICA, White Fringetree.		
3-4 ft. 2.00	$\frac{18.00}{27.00}$	
4-5 ft. 3.00 5-6 ft. 4.00	36.00	
CLADRASTIS (Virgilia) LUTEA, Yellow-wood.	0.75	
5-6 ft75 6-8 ft. 1.00	$\frac{6.75}{9.00}$	
8-10 ft. 1.50	13.50	
CLETHRA ACUMINATA, Cinnamon Clethra.	9.00	
2-3 ft. 1.00	0.00	

CLETHRA ALNIFOLIA, Summersweet.	Each	10	100
12-18 in.	.50	4.50	100
18-24 in. Clumps,18-24 in.	$\frac{.60}{1.00}$	$\frac{5.40}{9.00}$	
CLETHRA TOMENTOSA, Woolly Clethra. 18-24 in.	.75	6.75	
CORNUS ALBA, Tatarian Dogwood.	.30		04.00
12-15 in. CORNUS ALBA SIBIRICA, Coral Dogwood		2.70	21.00
2-3 ft. CORNUS ALBA ALTERNIFOLIA, Pagoda	.60 Dogwood.	5.40	
Seedlings 12-18 in. CORNUS BRETSCHNEIDERL	.40	3.60	
Seedlings 6-9 in.	.30	2.40	
CORNUS FLORIDA, Flowering Dogwood. 2-3 ft.	.60		
CORNUS FLORIDA RUBRA, Redflowering 2-3 ft.	Dogwood.	11.25	
3-4 ft.	2.00	18.00	
4-5 ft. 5-6 ft.	$\frac{3.50}{5.00}$	31.50 45.00	
6-7 ft.	7.00	63.00	
7-8 ft. CORNUS PANICULATA (racemosa), Gray	10.00 Dogwood.	90.00	
1-2 ft.	.30	2.40	
CORNUS RUGOSA, Roundleaf Dogwood.	.40	3.60	
2-3 ft.	.60	5.40	
CORNUS STOLONIFERA FLAVIRAMEA, 18-24 in.	Goldentwig .40	3.60	od.
2-3 ft. CORYLUS ROSTRATA, Beaked Hazelnut.	.60	5.40	
2-3 ft.	.50	4.50	39.00
3-4 ft. COTONEASTER ACUTIFOLIA VILLOSUL	.75 .A.	6.75	
6-12 in.	1.00	9.00	
12-18 in.	1.00	9.00	
COTONEASTER DIELSIANA, Diels Cotor Seedlings 9-12 in.	easter .30	2.40	21.00
12-18 in.	.60	5.40	
COTONEASTER DIVARICATA, Spreadin Seedlings 18-24 in.	g Cotoneast	er. 4.50	48.00
COTONEASTER HORIZONTALIS PERPU Pots 3-6 in.	JSILLA. 1.00	9.00	
COTONEASTER INTEGERRIMA, Europe	an Cotoneas		
Pots 3-6 in. 2-3 ft.	$\frac{1.00}{1.25}$	$\frac{9.00}{11.25}$	
COTONEASTER LUCIDA (sinensis) 18-24 in.	.60	5.40	
2-3 ft.	.75	6.75	
COTONEASTER MOUPINENSIS, Mupin Pots 6-9 in.	Cotoneaster	9.00	
CRATAEGUS ARKANSANA, Arkansas F Seedlings 12-18 in.	lawthorn. .40	3.60	
CRATAEGUS ARNOLDIANA, Arnold Ha	wthorn.	3.60	
Seedlings 18-24 in. 12-18 in.	.40 .50	4.50	
18-24 in.	.75	6.75	
CRATAEGUS COCCINEA, Thicket Hawt Seedlings 9-12 in.	.25	2.10	18.00
Seedlings 18-24 in.	.40	3.60	30.00
CRATAEGUS CORDATA, Washington Ha Seedlings 12-18 in.	.40	3.60	
CRATAEGUS MONOGYNA ALBOPLENA 3-4 ft.	, Double E 1.75	nglish H 15.75	awthorn.
0-T 1C.			

CRATAEGUS MONOGYNA PUNICEA, Single Pink Hawthorn.	
Each 10	100
3-4 ft. 1.75 15.75	
CRATAEGUS NITIDA, Glossy Hawthorn.	
1-2 ft60 5.40	48.00
2-3 ft	60.00
3-4 ft. 1.00 9.00 4-5 ft. 1.50 13.50	
CRATAEGUS OXYACANTHA SPLENDENS, Paul Double Hawthorn. 3-4 ft. 1.75 15.75	Scarlet
CRATAEGUS PRUNIFOLIA, Plumleaf Hawthorn.	
Seedlings 3-6 in25 2.10	18.00
6-12 in40 3.60	=0.00
18-24 in60 5.40	48.00
CRATAEGUS PRUINOSA, Frosted Hawthorn.	
Seedlings 18-24 in75 6.75	60.00
CRATAEGUS PUNCTATA, Dotted Hawthorn.	
Seedlings 2-3 ft75 6.75	I
CRATAEGUS ROTUNDIFOLIA (glandulosa), Roundleaf Hawt 18-24 in75	norn.
CRATAEGUS TOMENTOSA, Pear Hawthorn.	
Seedlings 9-12 in30 2.40	
HORTICULTURAL VARIETY OF CRATAEGUS.	
Double Pink 3-4 ft. 1.75 15.75	
CYDONIA JAPONICA, Flowering Quince,	
12-15 in30 2,70	21.00
DEUTZIA GRACILIS, Slender Deutzia,	
8-12 in30 2.70	21.00
12-18 in50 4.50	
DEUTZIA LEMOINEI, Lemoine Deutzia.	04.00
12-15 in30 2.70	21.00
DEUTZIA SCABRA CRENATA, Crinkle Deutzia. 12-18 in30 2.70	94.00
12-18 in30 2.70 2-3 ft60 5,40	21.00
HORTICULTURAL VARIETY OF DEUTZIA SCABRA	
Pride of Rochester 12-18 in30 2.70	21.00
DIERVILLA RIVULARIS, Georgia Bush-honeysuckle.	
Seedlings 6-12 in25 2.10	18.00
Seedlings 12-18 in40 3.60	
2-3 ft, .50 4.50	
DIERVILLA SESSILIFOLIA, Southern Bush-honeysuckle.	39.00
18-24 in50 4.50 2-3 ft75 6.75	60.00
ELAEAGNUS ANGUSTIFOLIA, Russian-olive.	00.00
6-9 in25 2.10	18.00
ENKIANTHUS CAMPANULATUS, Redvein Enkianthus.	
9-12 in	60.00
12-18 in. 1.00 9.00 18-24 in. 1.50 13.50	81.00 120.00
18-24 in. 1.50 13.50 EUONYMUS ALATUS, Winged Euonymus.	120.00
9-12 in60 5.40	
1-2 ft75 6.50	
2-3 ft. 1.25 11.25	
3-4 ft. 3.00 27.00	
4-5 ft. 4.50 40.50	
EUONYMUS BUNGEANUS, Winterberry Euonymus. 1-2 ft75 6.50	
2-3 ft. 1.25 11.25	
3-4 ft. 2.00 18.00	
EUONYMUS EUROPAEUS, European Burningbush.	
12-18 in50 4.50	
18-24 in60 5.40	
EUONYMUS LATIFOLIUS, Broadleaf Burningbush. Seedlings 9-12 in25 2.10	18.00
Seedlings 9-12 in25 2.10 Seedlings 18-24 in40 3.60	10.00
2-3 ft. 1.00 9.00	
3-4 ft. 1.60 14.40	

EUONYMUS YEDOENSIS, Yeddo Euonymus, Each	10 9.00	100
FAGUS AMERICANA, American Beech.		
18-24 in	6.75	60.00
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{11.25}{27.00}$	
6-7 ft. 4.00	36.00	
FAGUS SYLVATICA, European Beech. 3-4 ft. 2.50	22.50	
FAGUS SYLVATICA PURPUREA, Purple Beech. 3-4 ft. 2.50	22.50	
FAGUS SYLVATICA RIVERSI, Rivers Beech. 4-5 ft. 3.50	22.00	
6-7 ft. 5.00		
FORSYTHIA INTERMEDIA, Border Forsythia. 12-18 in25	0.40	40.00
12-18 in25 18-24 in30	$\frac{2.10}{2.70}$	18.00 21.00
Clumps 4-6 ft. 2.00	18.00	21.00
FORSYTHIA SUSPENSA, Weeping Forsythia.	0.10	10.00
12-18 in25 18-24 in30	$\frac{2.10}{2.70}$	18.00 21.00
FORSYTHIA SUSPENSA FORTUNEI, Fortune Forsy	thia.	21.00
$\frac{12-18 \text{ in.}}{18-24 \text{ in}}$ .30	2.70	21.00
18-24 in50 FORSYTHIA SUSPENSA SIEBOLDI. Siebold Forsyth	4.50	
FORSYTHIA SUSPENSA SIEBOLDI, Siebold Forsyth $12-18~{ m in.}$ $30$	2.70	21.00
2-3 ft60	5.40	
FORSYTHIA VIRIDISSIMA, Greenstem Forsythia.	2.70	21.00
GAYLUSSACIA BACCATA (resinosa), Black Huckleh		
GENISTA TINCTORIA, Woadwaxen40	3.60	
9-12 in30	2.40	
GENISTA SCOPARIUS. 12-18 in30	2.40	
GYMNOCLADUS DIOICA (canandensis), Kentucky Co	offeetree. 2.10	18.00
HALESIA MONTICOLA, Mountain Silverbell.	2.10	10.00
2-3 ft. 1.50	13.50	
3-4 ft. 2.00 4-5 ft. 3.00	$\frac{18.00}{27.00}$	
8-10 ft. 8.00	21.00	
HAMAMELIS VIRGINIANA, Common Witch-hazel.	0.10	21.00
Seedlings $\begin{array}{cccccccccccccccccccccccccccccccccccc$	2.40 3.60	21.00
HIBISCUS SYRIACUS, Shrub-althea.	0.00	
Named varieties, Reds and Whites, as follows: A		
red; Bicolor, double white with red markings; double red; Jeanne d'Arc, double pure white; Lady		
white. 6-12 in25	2.10	18.00
HYDRANGEA ARBORESCENS, Smooth Hydrangea.	0.40	
Seedlings 18-24 in30 18-24 in50	$\frac{2.40}{4.50}$	
HYDRANGEA ARBORESCENS GRANDIFLORA, Snov		rangea.
12-18 in30 18-24 in50	2.40	21.00
18-24 in50 HYDRANGEA CINEREA, Ashy Hydrangea.	4.50	
18-24 in60 HYDRANGEA PANICULATA, Panicle Hydrangea.	5.40	
12-18 in30	2.70	24.00
HYDRANGEA PANICULATA GRANDIFLORA, Peegee 12-15 in35	e Hydran 3.00	27.00
2-3 ft60	5.40	<b>=</b> 00
HYDRANGEA PANICULATA PRAECOX, Early Panic 8-12 in25	le Hydra	ngea.
HYDRANGEA PANICULATA TARDIVA, Late Panic	3.00 le Hydra	27.00 ngea.
8-12 in25 HYDRANGEA QUERCIFOLIA, Oakleaf Hydrangea.	3.00	27.00
12-18 in60	5.40	
HYPERICUM AUREUM, Golden St. Johnswort. Seedlings 6-9 in25	2.10	18.00
2-3 ft50	4.50	10.00

HYPERICUM DENSIFLORUM. Each	10	100
2-3 ft40 HYPERICUM PROLIFICUM, Shrubby St. Johnswort.	3.60	30.00
18-24 in40	3.60	
2-3 ft60 ILEX MONTICOLA, Mountain Winterberry.	5.40	
. 2-3 ft60	5.40	
ILEX VERTICILLATA, Common Winterberry.  Seedlings 6-9 in25	2.10	18.00
9-12 in30	2.40	21.00
12-18 in40 18-24 in50	$\frac{3.60}{4.50}$	30.00 39.00
2-3 ft, .75	6.75	00.00
ITEA VIRGINICA, Sweetspire.  12-18 in30	2.40	
KOELREUTERIA PANICULATA, Goldenrain-tree,		
8-15 in25 LARIX LARICINA (americana), American Larch.	3.00	27.00
12-18 in30	2.40	
LARIX EUROPAEA (decidua), European Larch. 3-4 ft60	5.40	
4-5 ft. 1.00	9.00	
LARIX LEPTOLEPIS (kaempferi), Japanese Larch.	36.00	
12-14 ft. 6.00	54.00	
LEUCOTHOE RACEMOSA, Sweetbells. 12-18 in40	3.60	
LEUCOTHOE RECURVA, Redtwig Leucothoe.		
18-24 in60 2-3 ft. 1.00	$\frac{5.40}{9.00}$	
LIGUSTRUM ACUMINATUM.		
Seedlings 6-12 in25	2.10	18.00
LIGUSTRUM AMURENSE, Amur Privet (Northern H	2.10	18.00
LIGUSTRUM IBOTA, Ibota Privet. 6-12 in25	1.50	12.00
12-18 in30	$\frac{1.30}{2.70}$	$\frac{12.00}{21.00}$
2-3 ft50	4.50	39.00
LIGUSTRUM IBOTA REGELIANUM, Regel Privet.	5.40	48.00
LIGUSTRUM VULGARE, European Privet.	1.40	9.00
6-12 in15 15-24 in20	1.80	15.00
4-5 ft75 HORTICULTURAL VARIETY OF LIGUST	6.75	
HORTICULTURAL VARIETY OF LIGUST Ibolium Privet (ibolium). 12-18 in25	2.10	18.00
LONICERA FRAGRANTISSIMA, Winter Honeysuckie	2.10	18,00
12-18 in25 LONICERA MAACKI, Amur Honeysuckle.	2.10	10.00
12 in50	4.50	
LONICERA MORROWI, Morrow Honeysuckle. 12-18 in30	2.70	24.00
18-24 in40	3.60	30.00
LONICERA MUENDENIENSIS, Muenden Honeysuck Seedlings 12-18 in30	2.40	
Seedlings 2-3 ft40	3.60	
LONICERA TATARICA ALBA, White Tatarian Hone	3.60	30.00
LONICERA TATARICA SIBERICA (rubra), Red Tatar 18-24 in40	ian Hone 3,60	
18-24 in40 HORTICULTURAL VARIETY OF LONIC		30.00
White Belle Honeysuckle (bella albida).	1.80	15.00
15-30 in25 2-3 ft60	5.40	15.00
LYONIA LIGUSTRINA, He-Huckleberry. 18-24 in60	5.40	
2-3 ft. 1.00	9.00	
MAGNOLIA ACUMINATA, Cucumbertree. 12-18 in40	3.60	
14-10 11140	5.00	

#### THE FLOWERING CRABS

(Malus species and varieties)

The Flowering Crabs have few rivals among gorgeous Spring flowering trees and shrubs. At the Arnold Arboretum one of the important events of the year is the blooming of the Crabs, followed by the showy fruit.

They are of easy culture, and whether planted singly or in masses, They are of easy culture, and whether planted singly or in masses, give remarkable and quick results. Not only are the Flowering Crabs beautiful on the lawn, but they are used to the greatest advantage on a large scale in woodland and other mass plantings, as are Dogwoods and Hawthorns. No group of plants have greater value for enlivening open forest parks and the country roadside. They present striking effects when planted on parking strips of boulevards and wide city streets.

As soon as the ground can be worked is an ideal time for planting. Give rich soil and mulch heavily. Use all the water the soil will take

in planting.

Description of species and varieties made up from Arnold Arbo-

retum Bulletins.

	Prices of Flower	ring Crabs	
1 year (fron	grafts) under 1	ft \$.75	each \$6.75 per 10
			each 9.00 per 10
2-3 ft		1.25	each 11.25 per 10
			each 15.75 per 10
4-5 ft		2.50	each 22.50 per 10
5-6 ft		3.50	each 31.50 per 10

MALUS AUGUSTIFOLIA, Southern Crab.

Late blooming American species, bright pink and very fragrant.

1 year from grafts.

MALUS ARNOLDIANA, Arnold Crab. One of the most beautiful varieties, originating at the Arnold Arboretum. Very large rose-colored flowers, turning to white.

1 year from grafts.
MALUS ATROSANGUINEA, Carmine Crab.

Much like floribunda, but with brilliant carmine flowers. 1 year from grafts, 2-3 ft., 3-4 ft., 4-5 ft. MALUS BACCATA, Siberian Crab.

Tall, narrow tree, small white flowers and tiny orange or scarlet fruit. 1 year from grafts.
MALUS BACCATA MANDSHURICA, Manchurian Crab.

From China and Japan; its large pure white flowers quite fragrant; dark crimson fruit hangs on long stems. 1 year from grafts. MALUS CORONARIA, Wild Sweet Crab.

White and pink flowers, delightfully fragrant. N species. 1 year from grafts, 1-2 ft., 2-3 ft., 3-4 ft. MALUS FLORIBUNDA, Japanese Flowering Crab. Native American

One of the handsomest, bright pink flower buds, white flowers. Small yellowish fruit, much liked by birds. 1 year from grafts, 3-4 feet.

MALUS HALLIANA PARKMANI, Parkman Crab.

Bright rose-red, double flowers hang on long slender stems. A favorite in Japanese gardens. 1 year from grafts.

MALUS IOENSIS PLENA, Bechtel Crab.

Double pink flowers like small clustered roses. 1 year from grafts. 18-24 in., 2-3 ft. MALUS MICROMALUS, Midget Crab.

Pale pink flowers from tiny deep rose-colored buds; small yellow fruit. Pyramidal habit. 1 year from grafts.

MALUS NIEDZWETZKYANA, Redvein Crab.

A Russian Turkestan species, remarkable for the red color of flowers, branches, leaves and fruit. 1 year from grafts, 2-3 ft., 3-4 ft., 4-5 ft. 5-6 ft.

MALUS PRUNIFOLIA, Pearleaf Crab.

Rare and perhaps the handsomest of the Asiatic Crabs, at least in fruit, which is 1½ in. long, very lustrus, bright red, or yellow with a red cheek. 4-5 ft., 5-6 ft.

MALUS PRUNIFOLIA RINKI (ringo), Chinese Apple.

Large white flowers, and red, yellow or green fruit, 1½ inches in diameter. Cultivated for its fruit in China. 1 year from grafts.

MALUS ROBUSTA, Cherry Crab.

Very early. Large white fragrant flowers and a handsome tree. Dull red fruit, 1 inch in diameter. 1 year from grafts, 5-6 ft.



MALUS FLORIBUNDA, Japanese Flowering Crab.

MALUS SARGENTI, Sargent Crab.

Very dwarf spreading Japanese variety. Pale straw-color flowers with bright yellow anthers. Scarlet fruit hanging till Spring. 1 year from grafts

MALUS SCHEIDECKERI, Scheidecker Crab. Small tree of pyramidal habit, with small pink flowers in great profusion. 1 year from grafts, 3-4 feet.

MALUS SIEBOLDI (toringo), Toringo Crab.

Latest of the Asiatic Crabs to flower; bright red flower-buds and white flowers in greatest profusion. Large bright red, lustrous, persistent fruit. 1 year from grafts.

MALUS SIEBOLDI CALOCARPA.

"One of the handcomet (orabs) in the Ambaratum, both in Spring.

MALUS SIEBOLDI CALOCARPA.

"One of the handsomest (crabs) in the Arboretum, both in Spring and Autumn." Large pink and white flowers, brilliant scarlet fruit, half-inch in diameter. 1 year from grafts.

MALUS SPECTABILIS, Chinese Flowering Crab.

Tall shrub or small tree, large pink semi-double flowers, medium-size yellow fruit. 1 year from grafts.

MALUS ZUMI, Zumi Crab.

Pink and white flowers bright scarlet fruit. 1 year from grafts.

Pink and white flowers, bright scarlet fruit. 1 year from grafts, 3-4 feet.

MENZIESIA PILOSA, Allegheny Menzlesia.	Each	10	100
12-18 in.	\$ .60	\$5.40	\$48.00
18-24 in.	.75	6.75	60.00
MORUS ALBA, White Mulberry.			
1-2 ft.	.40	3.60	
MYRICA CAROLINENSIS, Northern Bayber			
9-12 in.	.35	2.70	24.00
12-18 in.	.50	4.50	39.00
MYRICA GALE, Sweetgale.			
18-24 in.	.50	4.50	39.00
2-3 ft.	1.00	9.00	81.00
OSTRYA VIRGINIANA, American Hophorn	ibeam.		
Seedlings 9-12 in.	.25	2.10	
OXYDENDRUM ARBOREUM, Sourwood,			
12-18 in.	.30	2.40	21.00
18-24 in.	.40	3.60	30.00
2-3 ft.	.60	5.40	48.00
3-4 ft.	1.00	9.00	81.00
4-5 ft.	1.50	13.50	120.00
PHELLODENDRON AMURENSE, Amur Co		10.00	120.00
2-3 ft.	1.00	9.00	
PHELLODENDRON CHINENSE, Chinese C		.0.00	
Seedlings 6-9 in.	.25	1.50	12.00
			12.00
PHELLODENDRON SACHALINENSE, Sak	.25		10.00
Seedlings 6-9 in.		1.50	12.00
2-3 ft.	1.00	9.00	81.00
3-4 ft.	1.50	13.50	
4-5 ft.	2.00	18.00	



OXYDENDRUM ARBOREUM, Sourwood.

A small tree with beautiful ball-like flowers, resembling the Japanese Andromeda. Gorgeous autumn coloring.

PHILADELPHUS CORONARIUS, Sweet Mockey	ango
Ea	ch 10 100
1 yr. 12-18 in	25 2.10 18.00 40 3.60 32.40
2-3 ft	3.00 <b>32.40 5.40</b>
3-4 ft. 1. PHILADELPHUS CORONARIUS GRANDIFLOR	
	RUS, Big Mockorange. 2.10 18.00
18-24 in.	3.60 32.40
	5.40
	2,40
	5 6.75
HORTICULTURAL VARIETIES OF PHI	LADELPHUS.
Double (coronarius florepleno).	
	5 2.10 25 2.10 18.00
Zeyher (zeyheri) 1 yr. 12-18 in: PIERIS MARIANA, Staggerbush.	25 2.10 18.00
3-6 in.	25 2.10 18.00
6-9 in POPULUS NIGRA ITALICA, Lombardy Poplar.	10 3.60 30.00
6-8 ft	6.75 60.00
8-10 ft. 1.0 POPULUS SIMONI, Simon Poplar.	9.00 81.00
8-10 ft. 1.5	13.50
PRUNUS AMERICANA, American Plum.	F 450 4000
	25 1.50 12.00 0 2.40 18.00
2-3 ft	0 4.50
3-4 ft	
PRUNUS BESSEYI, Bessey Cherry.	
PRUNUS HORTULANA, Hortulan Plum.	0 4.50 39.00
12-18 in6	0 5.40
PRUNUS MARITIMA, Beach Plum. 1-2 ft6	0 5.40
PRUNUS MUNSONIANA, Wildgoose Plum,	
Seedlings 6-9 in	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
PRUNUS NIGRA, Canada Plum,	
PRUNUS ORTHOSEPALA. 6-15 in3	0 2.40
12-18 in4	0 3.60 30.00
PRUNUS PUMILA, Sand Cherry.  18-24 in4	0 3.60 30.00
2-3 ft6	
PRUNUS REVERCHONI, Hog Plum. 3-6 in2	5 1.50 12.00
PRUNUS TOMENTOSA, Nanking Cherry,	
Seedlings 18-24 in3 18-24 in6	
2-3 ft. 1.0	
HORTICULTURAL VARIETIES OF PRI	INUS.
Double Pinkflowering Almond (trichostyla si	
.7 Double Whiteflowering Almond (glabro albi	5 6.75
.7	6.75
RHAMNUS CATHARTICA, Common Buckthorn. 6-9 in2	5 1.50 12.00
RHAMNUS DAHURICA, Dahurian Buckthorn. Seedlings 9-12 in	5 2.10 18.00
Seedlings 12-18 in3	
RHODORA CANADENSIS, Rhodora. 15-18 in. 1.2	5 11.25
13-18 iii. 1.2 18-24 in. 1.5	

RHODOTYPOS KERRIOIDES, Jethead.	Each	10	100
Seedlings 6-9 in. 10-15 in.	.25 $.30$	$\frac{2.10}{2.40}$	18.00
1-2 ft.	.50	4.50	39.00
RHUS COPALLINA, Shining Sumac.			
1-2 ft.	.40	3.60	
2-3 ft.	.50	4.50	
RHUS GLABRA, Smooth Sumac.	.50	4.50	
RHUS TYPHINA, Staghorn Sumac.	.00	1.00	
2-3 ft.	.30	2.40	
ROBINIA KELSEYI, Kelsey Locust.			
1-2 ft.	1.00	9.00	
ROSA ACICULARIS, Prickly Rose.	.40	3.60	
18-24 in.	.60	5.40	
ROSA CANINA, Dogbrier.			
12-18 in.	.30	2.40	
ROSA GYMNOCARPA, Bald-hip Rose.	9.0	9.40	
9-12 in.	.30	2.40	
ROSA HUGONIS, Hugo Rose.	1.25	11.25	
ROSA LUCIDA, Virginia Rose.			
9-12 in.	.25	2.10	18.00
12-18 in.	.40	3.60	30.00
18-24 in. ROSA LUCIDA ALBA, White Virginia F		5.40	
6-12 in.	.75	6.75	60,00
12-18 in.	1.00	9.00	81.00
ROSA MULTIFLORA, Japanese Rose.	00		0.00
Seedlings 6-9 in. 2-3 ft.	.20 .40	$\frac{1.50}{3.00}$	9.00 18.00
ROSA MULTIFLORA CATHAYENSIS, C		5.00	10.00
Seedlings 12-18 in.	.25	2.10	
ROSA NITIDA, Bristly Rose.			
9-12 in.	.30	2.40	21.00
12-18 in. ROSA RUBIGINOSA, Sweetbrier.	.50	4.50	
2-3 ft,	.50	4.50	
ROSA RUGOSA (ferox), Rugosa Rose.			
12-18 in.	.30	2.40	21.00
18-24 in.	.40	3.60	33.00
ROSA SETIGERA, Prairie Rose.  1 year	.30	2.40	21.00
ROSA SPINOSISSIMA, Scotch Rose.	.00	2.10	a1.00
9-12 in.	.40	3.60	
RUBUS ODORATUS, Flowering Raspbers 1-2 ft.	·y.	3.60	
SALIX HUMILIS, Prairie Willow.	. 40	5.00	
18-24 in.	.40	3.60	
SALIX PENTANDRA, Laurel Willow.	0.5	0.10	10.00
2-3 ft. SALIX TRISTIS, Dwarf Pussy Willow,	.25 .40	2.10 3.60	18.00
	lder.	5.00	
1-2 ft.	.50	4.50	
SORBUS AMERICANA, American Mounta		F 40	40.00
1-2 ft. 2-3 ft.	.60 .75	$\frac{5.40}{6.75}$	48.00
SORBUS AUCUPARIA (europaea), Europ			
1-2 ft.	.40	3.60	30.00
2-3 ft.	.60	5.40	
3-4 ft. SORBUS COMMIXTA, Japanese Mountair	1.00	9.00	
9-12 in.	.40	3.60	30.00
SPIRAEA ARGUTA, Garland Spirea.	0.0	0.40	04.00
2 yr. 10-12 in.	.30	2.40	21.00

SPIRAEA BILLIARDI, Billiard Spirea.	Each	10.	100
1 yr. 12-18 in.	.25	2.10	18.00
18-24 in. 2-3 ft.	.40	3.60	
SPIRAEA BUMALDA, Bumalda Spirea.	.50	4.50	
2 yr. 8-12 in.	.30	2.40	
SPIRAEA FROEBELI, Froebel Spirea.			
2 yr. 10-15 in. SPIRAEA JAPONICA OVALIFOLIA (callosa	.30 ı alba), \	2.40 White	Japanese
Spirea, 6-12 in.	.25	2.10	18.00
SPIRAEA JAPONICA RUBERRIMA (callosa		Pink	Japanese
Spirea. 8-12 in.	.25	2.10	18.00
SPIRAEA PRUNIFOLIA, Bridalwreath.	.50	4.50	
	idalwreatl		
10-15 in.	.30	2.40	21.00
SPIRAEA SARGENTIANA. 3-6 in.	.40	3.60	
SPIRAEA THUNBERGI, Thunberg Spirea.  8-12 in.	.25	2.10	18.00
SPIRAEA VANHOUTTEI, Vanhoutte Spirea.	.20	4.10	10.00
2-3 ft.	.50	4.50	39.00
SPIRAEA VEITCHI, Veltch Spirea.	60	E 40	49.00
1-2 ft. HORTICULTURAL VARIETIES	.60 OF SPIR	5.40 FA	48.00
Anthony Waterer. 2 yr. 8-12 in.	.30	2.40	21.00
18 in.	.50	4.50	
White Billiard Spirea (billiardi alba)		4 = 0	
2-3 ft. 3-4 ft.	.50	$\frac{4.50}{6.75}$	
	.75 hanandra		
2-3 ft.	.60	5.40	
	artia.	0.00	
6-9 in. SYMPHORICARPOS OCCIDENTALIS, Wester	1.00	9.00	
Seedlings 12-18 in.	.25	2.10	
SYMPHORICARPOS RACEMOSUS, Common	Snowberr		
2-3 ft.	.60	5.40	48.00
3-4 ft. SYMPHORICARPOS VULGARIS, Coralberry	.75	6.75	
2-3 ft.	.60	5.40	48.00
3-4 ft.	.75	6.75	
	Asiatic S		af.
9-12 in. 2-21/4 ft.	1.00 1.50	$9.00 \\ 13.50$	
SYRINGA JOSIKAEA, Hungarian Lilac.	1.50	13.50	
6-12 in.	.25	2.10	18.00
SYRINGA PERSICA, Persian Lilac.	40	0.00	
12-18 in. SYRINGA VULGARIS, Common Lilac.	.40	3.60	
2-3 ft.	.60	5.40	48.00
SYRINGA VULGARIS ALBA, Common White	Lilac.		
2-3 ft.	.80	7.20	$63.00 \\ 102.00$
3-4 ft. 4-5 ft.	$\frac{1.25}{2.00}$	$11.25 \\ 18.00$	102.00
Mixed Hybrids.	2.00	10,00	*
18-24 in.	1.00	9.00	
2-3 ft.	1.60	14.40	
3-4 ft. TAMARIX HISPIDA, Kashgar Tamarix.	2.75	24.00	
6-12 in.	.30	2.40	
TILIA AMERICANA, American Linden.		0.55	
3-4 ft. 10-12 ft.	$\frac{.75}{6.00}$	$6.75 \\ 54.00$	
ULMUS AMERICANA, American Elm.	0.00	01.00	
5-6 ft.	.60	5.40	48.00
6-8 ft.	1.00	9.00	81.00
8-10 ft. 10-12 ft.	$\frac{1.50}{2.50}$	$\frac{13.50}{22.50}$	$\frac{120.00}{201.00}$
10-12 1t. 12-14 ft.	4.00	36.00	201.00
14-16 ft.	5.00	45.00	

VACCINIUM CORYMBOSUM, Highbush Blueberry.	
Fine stock, grown from seed and cuttings and transplanted	sev-
eral times. This is the Blueberry of commerce, but not the	new
Coville Hybrids. Also it is one of the finest of ornamentals	. A
	.00
3-6 in, .30 2.40	21.00
	30.00
	39.00
	33.00
	31.00
Clumps 2-3 ft. 2.00 18.00	
Clumps 3-4 ft. 3.50 31.50	
VACCINIUM PALLIDUM, Blueridge Blueberry.	
A very fine variety from the Carolina Mountains. Large, sy	veet
berries with a fine "bloom" when ripe. Fine ornamental.	
	18.00
	33.00
12-18 in. 1.00 9.00	31.00
VACCINIUM STAMINEUM, Deerberry,	
12-18 in, .50 4.50	39.00
18-24 in75 6.75	30.00
VIBURNUM ACERIFOLIUM, Mapleleaf Viburnum.	
	18.00
2-3 ft75 6.75	
VIBURNUM AMERICANUM, American Cranberrybush.	
18-24 in75 6.75	0.00
VIBURNUM CASSINOIDES, Withe-rod,	
	8.00
	18.00
	3.00
4-5 ft. 1.50 13.50 12	0.00



VIBURNUM CASSINOIDES

VIBURNUM DENTATUM, Arrowwood.	Each	10	100
Seedlings 3-6 in.	.15	.75	6.00
Seedlings 9-12 in.	.25	1.50	12.00
9-12 in.	.30		
12-18 in.		2.40	21.00
	.40	3.60	30.00
18-24 in.	.60	5.40	48.00
Clumps 5-7 ft.	2.00	18.00	
VIBURNUM LANTANA, Wayfaring-tree.			
1-2 ft.	.60	5.40	
VIBURNUM LENTAGO, Nannyberry,		0.10	
18-24 in.	.40	3.60	
2-3 ft.			40.00
	.60	5.40	48.00
3-4 ft.	1.00	9.00	
VIBURNUM OPULUS, European Cranberry	ybush.		
18-24 in.	.40	3.60	
2-3 ft.	.60	5.40	
3-4 ft.	.75	6.75	
VIBURNUM OPULUS NANUM, Dwarf Cra			
6-9 in.			B 0 00
	.40	3.60	30.00
9-12 in.	.50	4.50	39.00
12-18 in.	1.00	9.00	
VIBURNUM OPULUS STERILE, Common	Snowball		
5-10 in.	.25	2.10	
VIBURNUM SIEBOLDI, Siebold Viburnum,			
18-24 in.	.75	6.75	
2-3 ft.	1.25	11.25	
		11.25	
VIBURNUM TOMENTOSUM, Doublefile Vi			
2-3 ft.	1.00	9.00	
WEIGELA AMABILIS, Rose Weigela,			
1-2 ft.	.30	2.40	21.00
WEIGELA FLORIBUNDA, Crimson Weigel		2.10	21.00
	.30	0.40	04 00
8-15 in.	.50	2.40	21.00
WEIGELA ROSEA, Pink Weigela.			
2 yr. 10-20 in.	.25	2.10	18.00
12-18 in.	.50	4.50	
18-24 in.	.75	6.75	
HORTICULTURAL VARIETIES			
	.25	2.10	18.00
Eva Rathke. 6-12 in.	.30	2.40	21.00
2-3 ft.	.60	5.40	
ZANTHORHIZA APIIFOLIA, Yellowroot.			
6-12 in.	.40	3.60	30.00
12-18 in.	.50	4.50	39.00
12-16 III.	.00	4.00	00.00

# VINES, CREEPERS AND CLIMBERS

ACTINIDIA ARGUTA, Bower Actinidia. Each	10	100
2 year 1.00	9.00	
AKEBIA QUINATA, Fiveleaf Akebia.		
3 year .60	5.40	
AMPELOPSIS HETEROPHYLLA, Porcelain Ampelo		
1 year .40	3.60	
AMPELOPSIS QUINQUEFOLIA, Virginia Creeper.		
Strong .50	4.50	
AMPELOPSIS QUINQUEFOLIA ENGLEMANNI, En	gelmann	Creeper.
12-18 in25	2.10	18.00
AMPELOPSIS TRICUSPIDATA, Japanese Creeper.		
Strong .50	4.50	
Strong .50	4.50	
	4.50 6.75	
Strong .50 AMPELOPSIS VITACEA, Thicket Creeper. 15-18 in75 ARISTOLOCHIA SIPHO, Dutchmans-pipe.	6.75	
AMPELOPSIS VITACEA, Thicket Creeper. 15-18 in. ARISTOLOCHIA SIPHO, Dutchmans-pipe50	6.75 4.50	
Strong .50 AMPELOPSIS VITACEA, Thicket Creeper. 15-18 in75 ARISTOLOCHIA SIPHO, Dutchmans-pipe.	6.75 4.50	sweet. 39.00

# HARLAN P. KELSEY, SALEM, MASSACHUSETTS

PARTIE BANKSHI ATA SW	-t Autumn	Clematic	1 7.1	
CLEMATIS PANICULATA, Swe	et Autumn	Each	10	100
			3.60	100
	medium 2 year	.40 .75	6.75	
CLEMATIS LIGUSTICIFOLIA,				
CLEMATIS LIGUSTICIFOLIA,	Strong	.50	4.50	
CLEMATIS VIRGINIANA, Virgi		0.5	2.10	18.00
EUONYMUS RADICANS, Winte	Small	.25	2.10	10.00
EUUNYMUS RADICANS, WIIIU	3 year	.60	5.40	48.00
EUONYMUS RADICANS VEGE	TUS, Biglea Strong	of Winter	creeper. 5.40	
HYDRANGEA PETIOLARIS, C	limbing Hyd inch pots	rangea.		
LYCIUM CHINENSE, Chinese N	//atrimony-vi	ne.	2.10	18.00
·	r 3-4 ft.	.25	2.10	18.00
ROSA, Rose.	NTo 1	.75	6.75	
American Pillar.	No. 1 No. 2	.50	4.50	
Beauty of the Prairies (Que				
beauty of the Francis (seas	No. 1	.75	6.75	
Crimson Rambler.	No. 2	.50	4.50	
Dorothy Perkins (Pink Ran	nbler).		4.50	
	No. 2	.50	4.50	
Dr. W. Van Fleet.	No. 2	.50	4.50	
Excelsa (Red Dorothy Perk	ns). No. 1	.75	6.75	
	No. 2	.50	4.50	
Hiawatha.	No. 2	.50	4.50	
Max Graf.		2.00		
Paul's Scarlet Climber.	No. 1	.75	6.75	
Setigera, Prairie Rose.	1 year	.30	2.40	21.0
Silver Moon.	No. 1	.75	6.75	
Tausendschon (Thousand Be	eauties).			
	No. 2	.50	4.50	
Tennessee Belle.	No. 1	.75	6.75	
Veichenblau (Blue Rambler)	No. 1	.75	6.75	•
White Dorothy (White Doro			3	
	No. 1	.75	6.75	
wichuraiana, Wichurian Ro	se. No. 1	.75	6.75	
Yellow Rambler.	No. 1 No. 1	.75	6.75	
			0	
RUBUS LACINIATUS, Cutleaf	18-24 in.	.50	4.50	
VACCINIUM VITISIDAEA CO		.00	4.50	
VACCINIUM VITISIDAEA, Co-	Strong	1.00	9.00	
WISTERIA MULTIJUGA (blue	_	ter Wiste		
Since The SA (blue	2-3 ft.	1.00	9.00	
WISTERIA SINENSIS, Chines	e Wisteria.			
, , , , , , , , , , , , , , , , , , , ,	3 year	1.25	11.25	
WISTERIA SINENSIS ALBA,	White Chin			
	3 year	1.25	11.25	

<sup>&</sup>quot;HARDY NEW ENGLAND GROWN-BEST BY TEST"

# HARDY HERBACEOUS PERENNIALS

In this list will be found a collection of hardy herbaceous perennials that will give a good succession of bloom from early spring to late autumn. Nearly all are of easy culture. The usual list of herbaceous perennials offered in American catalogs can be secured and shipped with other orders, so that customers may feel safe in getting full collections.

Prices of herbaceous perennials, unless otherwise noted, 30c each; \$2.40 per 10; \$21.00 per 100. Each 10 100

ACHILLEA PTARMICA, var. Pearl. ANEMONE JAPONICA, var. Queen Charlotte. ASTERS, in variety

CALTHA PALUSTRIS, Marshmarigold. CHELONE GLABRA, White Turtlehead. CHELONE LYONI, Pink Turtlehead.

CHRYSANTHEMUM COREANUM, Korean Chrysanthemum.

CHRYSANTHEMUM, hardy named varieties. CIMICIFUGA RACEMOSA, Cohosh Bugbane. CONVALLARIA MAJALIS, Lily-of-the-Valley. CORNUS CANADENSIS, Bunchberry. CYPRIPEDIUM ACAULE, Pink Ladyslipper.

DIANTHUS, var. Her Majesty, pure white. DIANTHUS, var. Homer, dark red. DICENTRA EXIMIA, Fringed Bleedingheart.

2.70 24.00 DICENTRA SPECTABILIS, Bleedingheart.
DIONAEA MUSCIPULA, Venus Flytrap. 1.00 9.00 81.00

DROSERA ROTUNDIFOLIA, Roundleaf Sundew.

### **FERNS**

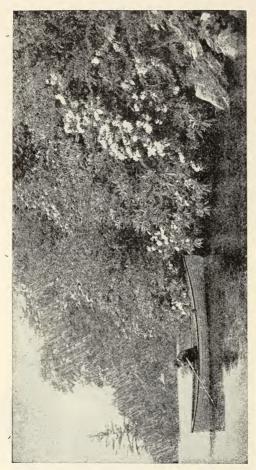
	Each	10	100	
Prices of Ferns unless otherwise noted,	.30	2.75	24.00	
Adiantum pedatum, American Maidenha	ir Fern.			
Athyrium (Asplenium) filixfemina, Lady	v Fern.			
Dennstedtia (Dicksonia) punctilobula, I	Iav-scente	d Fern.		
Dryopteris (Aspidium) marginalis, Leat				
Dryopteris noveboracensis, New York F				
Dryopteris spinulosa, Toothed Woodfern.				
Dryopteris thelypteris, Marshfern.				
Onoclea sensibilis, Sensitive Fern.				
Osmunda cinnamomea, Cinnamon Fern.	.40	3.60	33.00	
<ul> <li>Osmunda claytoniana, Interrupted Fern.</li> </ul>	.40	3.60	33.00	
Osmunda regalis, Royal Fern.	.40	3.60	33.00	
Polypodium vulgare, Common Polypody.				
Polystichum (Dryopteris) acrostichoides	, Christma	as Fern.		
Pteretis (Onoclea) nodulosa, Ostrich Fer	rn.			



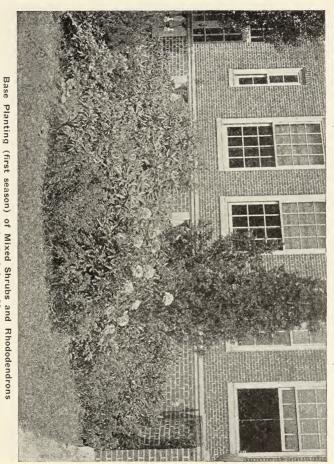
#### HARLAN P. KELSEY, SALEM, MASSACHUSETTS

FILIPENDULA CAMTSCHATICA, Kamchatka Meadowsweet, GALAX APHYLLA, Galax. GILLENIA STIPULATA, Indian-physic. HEMEROCALLIS DUMORTIERI (sieboldi), Early Daylily, HEMEROCALLIS FLAVA, Lemon Daylily. .40 HEMEROCALLIS FULVA, Tawny Daylily, HEMEROCALLIS THUNBERGI, Japanese Daylily. HEPATICA TRILOBA, Roundlobe Hepatica. HOSTA (Funkia) LANCEFOLIA, Lanceleaf Plantainlily. HOSTA (Funkia) PLANTAGINEA GRANDIFLORA, Big Plantainlily. IRIS CRISTATA, Crested Iris. IRIS GERMANICA, German Iris, named varieties. IRIS GERMANICA, German Iris, mixed varieties. IRIS KAEMPFERI, Japanese Iris, finest mixed colors. IRIS PALLIDA, var. Dalmatica. IRIS PSEUDACORUS, Yellowflag Iris. IRIS VERNA, Vernal Iris. IRIS VERSICOLOR (virginica), Blueflag Iris. LAMIUM MACULATUM, Spotted Deadnettle. LIATRIS SPICATA, Spike Gayfeather, LILIUM CANADENSE, Canada Lily, LILIUM CAROLINIANUM, Carolina Lily. LILIUM GRAYI, Grays Lily. \$11.25 \$102.00 LILIUM HENRYI, Henry Lily. \$1.25 LILIUM SUPERBUM, American Turkscap Lily. LILIUM TIGRINUM, Tiger Lily. LYSIMACHIA NUMMULARIA, Moneywort. OENOTHERA FRUTICOSA YOUNGI, Youngs Sundrops. 4.50 30.00 PAEONIA, Peony, selected colors. .60 PHLOX, named varieties in finest sorts. PHLOX SUBULATA, Moss Phlox. PHLOX, var. White Moss. POLYGONATUM COMMUTATUM, Great Solomonseal, PONTEDERIA CORDATA, Pickerelweed. SANGUINARIA CANADENSIS, Bloodroot, SEMPERVIVUM CALIFORNICUM. SEMPERVIVUM FIMBRIATUM, Fringed Houseleek. SEMPERVIVUM GLOBIFERUM. Globe Houseleek. SEMPERVIVUM TECTORUM (robustum), Roof Houseleek. SHORTIA GALACIFOLIA, Oconee-bells, SOLIDAGO, Goldenrod in variety. STENANTHIUM ROBUSTUM, Featherfleece. STOKESIA LAEVIS (cyanea), Stokesia. THERMOPSIS CAROLINIANA, Carolina Thermopsis. TRILLIUM GRANDIFLORUM, Snow Trillium. TYPHA LATIFOLIA, Common Cattail. VINCA MINOR ALBA, White Common Periwinkle. VIOLA CORNUTA, Tufted Pansy. VIOLA PEDATA, Birdsfoot Violet.

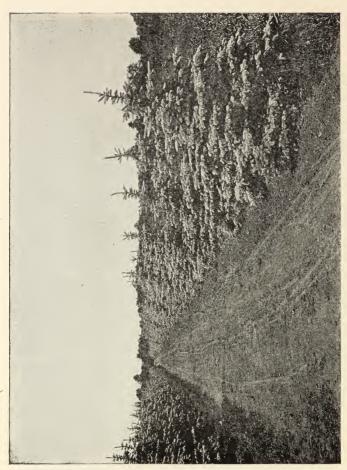
YUCCA FLACCIDA, Weakleaf Yucca.



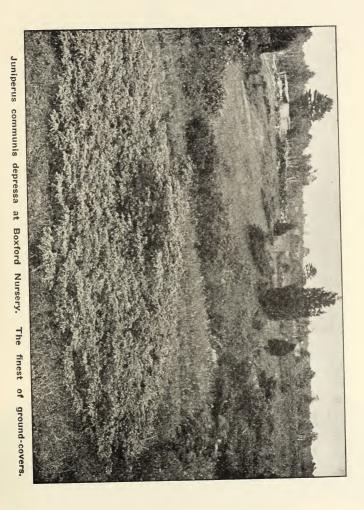
Rhododendrons and Kalmias are at their best when overhanging water, with a light background of mixed evergreen and deciduous foliage.



Base Planting (first season) of Mixed Shrubs and Knouoden at Saltonstall School, Salem, Mass.



Avenue of specimen Koster Blue Spruces at Boxford-Highlands Nursery



39



PICEA OMORIKA, Serbian Spruce.

One of the most beautiful and satisfactory of all the Spruces.

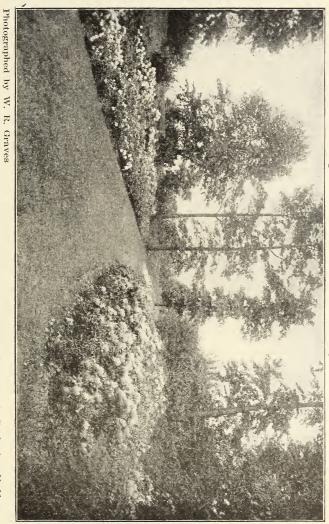


SPECIMEN KOSTER BLUE SPRUCE.

Photographed at Boxford-Highlands Nursery. We have hundreds just as perfect as this, up to 12 feet in height.



IRIS CRISTATA in the rockery. Pale blue with yellow throat.



These were planted where the soil is naturally strongly alkaline or filled with lime. Complete success was obtained by excavating and filling in with several feet of humus and an acid soil mixture. Young planting of Native and Hybrid Rhododendrons in Highland Park, Rochester, N. Y. Complete success

## The Successful Rhododendron Bed

By Harlan P. Kelsey

This includes Rhododendrons, Kalmias, Azaleas, Leucothoes, Blueberries and other ericaceous genera and similar native and exotic plants, and often such "fillers" as Ferns, Lilies, etc., which delight in acid soil conditions and which are usually grouped together to make what is termed the "Rhododendron Bed."

Soil. This class of plants is most at home in somewhat shady and damp situations, and in a porous soil supplying plenty of humus and always showing more or less acid reaction. Limestone (alkaline) soils must be avoided, as a majority of ericaceous plants (Rhododendrons, Azaleas, Blueberries, etc.) are rarely if ever found growing naturally under such soil conditions. Sandy loam is favorable, but in all cases continuous supply of humus should be provided.

Creating Necessary "Acid" Conditions. Dr. Coville, United States Botanist of the Department of Agriculture, Washington, D. C., has made some very interesting greenhouse experiments which would seem to prove that acidifying soils by the application of aluminum sulfate makes it possible to grow these acid soil plants much more successfully. We are testing out this method on a large scale, and can no doubt give some definite conclusions in another year as to how this method will work in outdoor plantings.

It must be remembered, however, that application of acids will not take the place of humus. Others claim beneficial results by the application of tannic acid in dilution, but this also needs further experiments before the method can be generally recommended. Hardwood sawdust may be used as a mulch, and also ground peat moss or mull, which is imported from Holland, both having acid reaction.

The above experiments indicate that by suitable treatment, these beautiful ericaceous plants may sometimes be grown successfully on the alkaline soils of the Middle West.

Mulching. This means that the Rhododendron bed should have annually a heavy mulch of hardwood leaves, which is left on the year round to decay. Mulching also keeps the ground cool in summer and warm in winter and protects the fine feeding rootlets of the plants. Removing the mulching in spring to make the beds "look better" is one of the greatest causes of non-success in growing Rhododendrons and similar plants. No expert gardener would ever think of so doing.

Preparation of Bed. Unless conditions are naturally favorable, excavate two to three feet and fill with woods mold, "Kalmia peat," good loam, rotted field-sods, and perhaps a third in bulk of swamp muck or peat or similar soils. Make a tenth part of the mixture sharp sand, especially where the soil is too clayey. The center of the bed or plantation may be raised 6 to 12 inches above the 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 soild,—Rhododednrons 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. Then soak the ground and apply the mulching.

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.

### HARLAN P. KELSEY, SALEM, MASSACHUSETTS

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

In Limestone Soils. Excavation is imperative, and fresh soil showing acid reaction substituted. This can be successfully done. A striking example is shown in Highland Park, Rochester, N. Y., where one of the most beautiful Rhododendron and Azalea beds in America has been constructed and planted in a location originally of a heavy limestone nature. Blueberry culture is not a success in limestone soils.

Enemies of the Rhododendron. Rhododendrons, Kalmias, and similar plants have few enemies. The only serious one I know is the Lace-wing Fly, which is native from New England throughout the Alleghanies, and is found on Kalmia angustfolia, Rhododendron maximum, Kalmia latifolia, and occasionally on almost any broadleaf evergreen or deciduous tree or shrub. 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 Lacewing 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.

The Use of "Fillers." For the best landscape effects, as well as providing a continual succession of bloom throughout the season and actually protecting the Rhododendrons and supply "feathered" edge to the ground, a large variety of shrubs and plants may be employed with the finest results. In fact, the planting of Rhododendrons without the use of "filler" or "edging" plants may give 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 polifolia, Chamaedaphne calyculata (Leatherleaf), Leiophyllum buxifolium, L. prostratum, llex glabra (Inkberry), Leucothoe catesbaei, Pieris floribunda, Taxus canadensis (Canada Yew), Galax aphylla, Gaultheria procumbens, Houstonia (Bluets), Mitchella repens (Partridgeberry), Shortia galacifolia (Oconee-bells), Vinca minor (Periwinkle), Zanthorhiza apiifolia (Yellowroot), Lilies, Trilliums, Erythroniums (Dogtooth Violets), Ferrs in great variety, Violets, Dicentra eximia (Fringed Bleedingheart), Iris in great variety, particularly pseudacorus and Japanese, Azaleas in variety, Ilex verticillata, Aronias (Chokeberry) in variety, and many other "berry-bearing" shrubs. Jonquils and other spring bulbs may be used freely in the borders of plantations with charming results.

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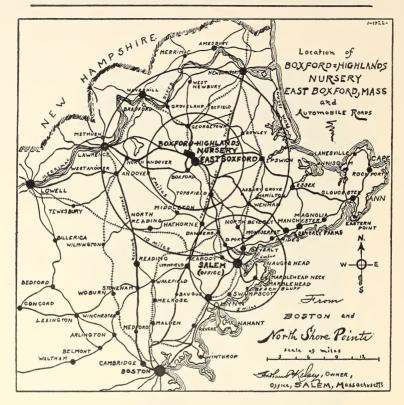
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### STANDARDIZED PLANT

BOLD-face, whether capitals or small letters, indicates approved scientific names, ITALIC, whether capitals or small letters, indicates synonyms or unapproved

SMALL CAPITALS indicate approved common names.

Abbreviations: Ag=Economic Herbarium of the United States Department of Agriculture; Ar = Arnold Arboretum, Harvard University; Cy = Bailey's Standard

Cyclopedia of Horticulture.

A dagger (†) indicates a horticultural variety for which the Joint Committee recommends the use of the common name alone, although recognizing that the scientific name in italics, followed by the dagger, has good botanical standing according to the authority cited.

AARONSBEARD CACTUS	ABIES, continued
Opuntia leucotricha	holophylla
ABELIA ABELIA chinensis (rupestris) . Chinese A.	homolepis (brachyph)
chinensis (rupestris) . Chinese A.	-umbilicata (umbell
engleriana Engler A.	i I
engleriana Engler A. floribunda Mexican A.	hudsonica . A. balsa
grandiflora Glossy A.	lasiocarpa (subalpina
ABELMOSCHUS HIBISCUS	—arizonica Cy
ABERIA DOVYALIS	lowiana A. co
	magnifica
alba Ar-Ar A nectinata	—shastensis See also hort. var. list
ABIES Fire alba Ag-Ar A. pectinata  The name A. alba is often misapplied to	
Picea canadensis.	mariesi
alcockiana Picea alcockiana	
The name A. alcockiana has often been	momi
misapplied to Picea jezoensis hondoensis.	nobilis
amabilis CASCADE FIR  The name A. amabilis is sometimes	nordmanniana
The name A. amabilis is sometimes misapplied to A. grandis.	numidica (A. babores
apollinis . A. cephalonica apollinis	numuica (A. babble
arizonica (Abies lasiocarpa ari-	orientalis P
arizonica (Autes tastocarpa art-	nectinate (A micea
habananaia Cre A numidiaa	Ag-An)
zonica Cy) Cork Fire baborensis Cy	pectinata (A. picea Ag-Ar) See also hort. var. list
—hudsonia(hudsonica). Hudson F.	
	picea Cy pindrow
brachyphylla A. homolepis	pindrow
bracteata A. venusta	pinsapo
canadensis Tsuga canadensis	mamaana
cephalonica GREEK FIR	pungens sachalinensis
—apollinis Apollo F. cilicia Cilician F.	sachannensis
CHICICA CILICIAN F.	sibirica spectabilis $(A. webb)$
concolor WHITE F. —lowiana PACIFIC WHITE F.	speciabilis (A. weoo
See also hort, var. list on page 2.	subalpina
	umbellata . A. homole
douglasi Pseudotsuga douglasi	
excelsa Picea excelsa	venusta (bracteata).
firma (momi) Momi Fir	
fraseri Fraser F. grandis Great Silver F.	veitchi
grandis GREAT SILVER F.	weodiana Cy

NEEDLE FIR ylla). Nikko F.

lata)

DIMPLECONE F. amea hudsonia a). ALPINE FIR . A. arizonica oncolor lowiana . . RED FIR . SHASTA F. t on page 2. . Maries F.

Picea sitchensis . . A. firma Noble Fir on page 2.

NORDMANN F. nsis Cy)

ALGERIAN F. Picea orientalis Cy; A. alba . SILVER FIR

t on page 2. A. pectinata PINDROW FIR

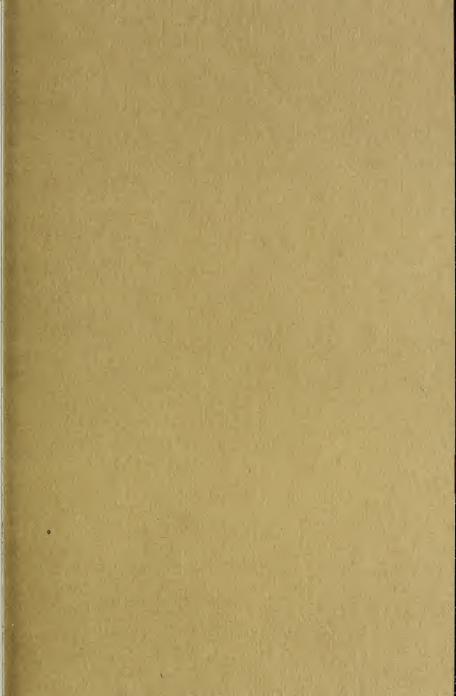
. SPANISH F. t on page 2. Picea pungens

SAKHALIN FIR . SIBERIAN F. iana Cv) HIMALAYAN F.

. A. lasiocarpa epis umbilicata

RISTLECONE FIR . . VEITCH F. . A. spectabilis

<sup>&</sup>quot;Standardized Plant Names" will be of the greatest assistance to me in editing the Bulletin of the Garden Club of America.—Mrs. M. H. B. McKnight, Sewickley, Pa.





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