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1917-1918

P. J. BERCKMANS CO.
INCORPORATED

FRUITLAND NURSERIES
ESTABLISHED 1856

AUGUSTA, GEORGIA



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L. A. BERCKMANS, PRES.
R. C. BERCKMANS, VICE-PRESIDENT.
P. J. A. BERCKMANS, JR., SEC. AND TREAS.

P. J. Berckmans Co., Inc.

Landscape Architects

Phone 6636

Augusta, Georgia

LANDSCAPE Gardening is one of the oldest of the arts, but the work of the profession of Landscape Architecture, in its modern sense, is comparatively new. In spite of this fact, the value of the service now rendered by this profession is very generally understood, since the number of good examples of its work is rapidly increasing, and the appreciation of the artistic design, in these, by people of good taste, is steadily growing.

The Landscape Architect is one who "arranges land and the features on that land for the purpose of utility and beauty." In brief, his work is that of arranging elementary materials—trees, flowers, earth, rock and water, in a comprehensive plan, that embodies ideas, both practical and aesthetic. In arranging these materials, he is a designer, just as an Architect is a designer. He begins each problem by answering, first, the demands of utility, and works from these, to the final decoration or embellishment of all parts of the design. His work should begin BEFORE THE BUILDINGS ARE DEFINITELY DESIGNED AND LOCATED, as there are many considerations, in the choosing of the site, that do not properly enter into the Architect's field of work. It is highly desirable that the plans for buildings and the plans for the land be made in conjunction so that the different units will fit together in a manner both convenient and harmonious.

The P. J. Berckmans Company, Inc., respectfully offers its service, as Landscape Architects, to all persons who are interested in the laying out of land for practical and aesthetic purposes. The men who have charge of this work have had the best of technical training in the Schools of Landscape Architecture in Harvard University and in the State College of Pennsylvania; and have traveled extensively in this country and abroad for the purpose of studying the best work in landscape design. Their knowledge of the flora, suitable for landscape work in this section of the country, is the result of the firm's fifty years of experience.

The practice of this office includes the making of reports, designs and specifications for the development of large country estates, the grounds of suburban or city homes (the small place often needs the more careful attention), formal and informal gardens, garden accessories, such as pergolas, fountains and garden houses; the grounds of country clubs, golf clubs, educational institutions and public buildings; parks and parkways, cemeteries and playgrounds. Special attention is given to the planning of new industrial villages, the improving of old ones, and to the laying out of land subdivisions. In all of these, the most advanced ideas in City Planning are followed.

Professional Methods—A visit to the property, and a consultation with the owner, is the first step. If buildings are to be erected, the owner, Architect and Landscape Architect should consult together, to determine the best site, and outline the general arrangement of the most important features. This saves expense, and gives the Landscape Architect an advantage in working out the design. A topographical survey is next prepared, and over this a preliminary plan is made, which outlines the general design in a tentative way. When this is approved, working drawings for grading, construction and planting are made. Planting is studied to bring out the general design, and to obtain harmonious groupings according to growth, texture and color. The adaptability of plants to soil and climatic conditions is carefully considered.

Charges—Charges are made on a per diem basis, for time spent in consultation, in the preparation of reports, plans and specifications, and in traveling, if the latter must be done during office hours. All traveling and living expense is rendered as an additional charge, but, when several clients are visited on one trip, this expense is proportioned among them.

A statement, giving more detailed information, will be forwarded on request.

AUGUSTA, GEORGIA.

Suggestions.

Always address all communications to P. J. BERCKMANS COMPANY, Drawer 910, Augusta, Ga., and not to individuals.

NOTE All quotations are for immediate acceptance, subject to stock being sold. No liability to attach to us where frost, drouth or other casualties beyond our control prevent delivery of stock that may be contracted for.

ORDER NOW.—Do not wait until you are ready to plant. Frequently orders sent late in the season cannot be filled in full. Send us your order now; it will be carefully filed until you desire it shipped. When making out your order, write the full and correct name of the article desired, as given in catalogue. Give size and catalogue price. Never give local names of plants, as different plants frequently have the same local names.

RESERVING ORDERS.—When purchasers desire these to be reserved for weeks or months after the opening of the shipping season, they must be paid for in full at the time of ordering.

NAME AND ADDRESS.—Always write your name plainly upon order-sheet in catalogue. A lady should always sign herself Miss or Mrs., and always use the same initials.

Give your postoffice, county and state, also street or postoffice box number, and the name of your nearest express office.

SHIPPING DIRECTIONS.—Give plain and explicit directions for shipping. If by freight, state route. When no directions are given, we shall use our best judgment in forwarding; but in all cases shipments are at purchaser's risk after receipt is taken from the transportation company. Freight and express rates will be given upon application.

EXPRESS.—In all cases, when possible, we advise our customers to have their goods forwarded by express. Plants, trees, etc., are taken at a special reduced rate.

PARCEL POST.—Owing to the nature of our products, we can send very few plants by Parcel Post, but if order can be sent this way, sufficient amount to cover postage must accompany order; otherwise it will be sent by express.

PACKING.—All articles in this catalogue packed free, except when for export, as such orders require large quantities of specially prepared packing material, and entail much extra labor and care in preparation. This extra packing is charged at actual cost. We maintain a large force of experienced packers, and only the most expert are entrusted with this work.

TERMS OF PAYMENT.—Cash with order, or satisfactory reference before shipment; or, if preferred, will ship goods with Bill of Lading attached to Sight Draft, through express or bank. On all C. O. D. and Sight Draft orders we require 25 per cent of the bill remitted before shipment.

PRICES.—All prices quoted are net. We offer no premiums, discounts, or gratuities. Five trees or plants of a class will be billed at the 10 rate; 40 trees at the 100 rate; 400 at the 1,000 rate, viz.: Five Pecans will be billed at the 10 rate; 40 at the 100 rate, etc.

REMITTANCES.—Remittances should be made by Postoffice or Express Money Orders, or by checks on Augusta or New York. As our banks charge exchange on checks on all points except Augusta and New York please add one-fourth of 1 per cent on private checks. We cannot be held responsible for losses when remittances are not made as directed above. Cash sent through the mails is at sender's risk. **Make all remittances payable to P. J. Berckmans Company.**

WE GUARANTEE every tree or plant to be in a perfectly healthy condition, up to grade and first-class in every respect when leaving our hands, but, after delivering to forwarders, all losses resulting from delays or exposures in transit are at risk of purchaser.

RESPONSIBILITY.—We have no connection whatever with any other nursery, and our responsibility extends only to persons purchasing direct from us. We are not responsible for failures arising from defective planting, unfavorable weather conditions, or improper treatment and cultivation.

If any Nursery stock, etc., proves untrue to description under which it is sold, Seller shall be liable to the Purchaser only and to no greater extent or amount than the purchase price of such Nursery stock, etc., and the Seller except for the aforesaid agreed liability and in respect to such purchased Nursery stock, etc., gives no warranty express or implied as to description, quality, productiveness or any other matter.

P. J. BERCKMANS CO., INC.,
Augusta, Ga.

ERRORS.—We exercise the utmost care in filling orders, and always put in more than is ordered, but during the rush of the busy season an error is occasionally made, and satisfactory correction will be promptly made upon notification. Keep a copy of your order for comparison. All claims for errors must be made **within five days** after receipt of goods; otherwise they will not be entertained.

SHIPPING FACILITIES.—Augusta being the terminal point of seven lines of railroads, and two lines of steamers upon the Savannah River, enables us to secure low rates of freight to all points.

SHIPPING SEASON.—This usually commences about the middle of October, or as soon as the plants are sufficiently dormant to lift with safety, and for all open ground trees and plants continues until the middle of March, or until the buds begin to swell. Pot-grown plants can be safely sent out any time of the year.

INSECTS AND DISEASES.—Our Nurseries are free from disease. Certificate of State Entomologist is attached to every shipment.

FUMIGATION.—We fumigate our stock with hydrocyanic acid gas before shipping, as required by state law, so that assurance of freedom from insects or diseases of any kind is made doubly sure.

Number of Trees or Plants on an Acre at Given Distances Apart

Distance apart each way	Number of plants	Distance apart each way	Number of plants	Distance apart each way	Number of plants
1 foot	43,560	8 feet	680	18 feet	134
2 feet	10,890	9 feet	537	20 feet	108
3 feet	4,840	10 feet	435	25 feet	70
4 feet	2,722	12 feet	302	30 feet	48
5 feet	1,742	13 feet	258	35 feet	35
6 feet	1,210	15 feet	193	40 feet	27
7 feet	888	16 feet	170	50 feet	17

Hints for Planters.

Time for Planting—In this climate, vegetation, although inactive in winter for the formation of leaves and new wood, is never so as to new roots. A tree transplanted in the early winter will, by the ensuing spring, have grown sufficient new roots to give it a firm hold in the ground, and will grow off rapidly when active vegetation commences. Plant as early after the first killing frost as practicable, although hardy stock can be safely transplanted any time during the winter when the ground is not too wet or frozen. Planting can be continued until the middle of March, or until just before the buds begin to swell.

Preparation of the Soil—The most desirable soil for fruit trees is a rich loam, naturally dry or made so by drainage. Peaches and plums must be planted on high, well-drained soil. Before planting, prepare the land by thoroughly plowing and subsoiling, first using a two-horse plow, followed by a subsoil plow. Lay off the rows at required distances, and dig holes at least two feet wide and two feet deep; fill the holes by breaking in the sides, commencing at the bottom and going upward. Use surface soils of thoroughly decomposed barnyard manure, or use one or two pounds of good bone meal. All fertilizers must be thoroughly incorporated with the soil. Avoid the contact of the roots with heating manures.

We strongly advocate digging holes with dynamite whenever feasible.

Preparation of Trees and How to Plant—Before planting, remove the broken roots; cut back one-year peach, apple, pear, cherry and plum trees to a naked stem $1\frac{1}{2}$ to $2\frac{1}{2}$ feet high, leaving no side branches. Two-year-old trees should have their branches cut back to half their length or less; the lower limbs less than those above, cutting in shorter as you go upward, leaving the leader the longest. (For pruning peach trees, see page 12). The tree should be set about 2 inches deeper than it stood in the nursery.

Cultivation—You cannot expect to get good results from your trees unless you keep them well cultivated. The soil must be frequently stirred during summer. The area immediately around the trees must be kept free from grass and weeds, and this portion of the orchard

should receive especial attention. All suckers or branches which start below the head of the tree should be removed. For the first two years cultivate the orchard during summer in some crop suited to the location, such as cotton, vegetables, melons, peas, peanuts, velvet or soy beans, giving the preference to leguminous crops. Never plant corn or small grain in your orchard.

It is always advisable to sow in the fall a cover crop, such as clover, vetch or rye, using a suitable fertilizer. Turn under this cover crop in early spring. When soils are deficient in lime and potash, supply this deficiency with an application of lime, bone meal, hardwood ashes or high grade commercial fertilizer, as the soil requires. Satisfactory results cannot be expected unless the orchard is supplied with the proper plant food and receives careful cultivation.

Selection of Trees—For this climate, experience has taught us that one and two-year-old trees of thrifty growth (except peaches, only one-year trees of which should be planted) are the most desirable. Purchasers should bear in mind that such trees can be removed from the nursery with all their roots, whereas a four- or five-year-old tree cannot be taken up without cutting away a large portion of them. Success in transplanting is increased according as attention is paid in selecting well-rooted trees, instead of heavily-branched ones. Give as many sound roots and as little head to a tree as possible.

Care of the Trees on Arrival—If not ready to plant on arrival, unpack without exposing the roots to cold or air; dig a trench, and heel-in by carefully covering the roots with earth, and give a copious watering. Trees thus treated can remain in the trenches until ready for planting in the orchard. If frozen when received, do not open the boxes, but place them in a cellar or some cool, dark room that is free from frost, and let them remain until all frost is drawn out. If no cellar or frost-proof room, bury the box in sawdust or dirt until thawed. The point is to get the frost entirely out without sudden exposure of stock to heat, light or air. Even if frozen solid, the stock will not be injured if handled in this manner.

Injurious Insects and Fungus Diseases.

We only enumerate the most abundant and destructive insects and fungus diseases which infest our orchards and gardens. The remedies as suggested are in accordance with the latest recommendations of the leading Entomologists.

Previous to spraying during the dormant season all trees and plants should be properly pruned. The proper time for applying spray solutions cannot be given exactly in this calendar. Allowances for difference in climatic and weather conditions between different localities must be considered. The orchardist should familiarize himself with the habits and life history of the different insects and diseases, in order that he may apply to his particular locality and conditions the necessary measures.

APPLES.

Apple Worm (Coddling Moth)—Spray with two pounds of Standard Arsenate of Lead, three pounds of lime to each fifty gallons of water; first, so soon as the petals fall and before the calyx closes; second, two weeks later; third, about eight weeks after the petals fall.

When the time comes for using the third spraying, Bordeaux Mixture should be combined with one and one-half pounds of Arsenate of lead. The Bordeaux Mixture (4-4-50) is used at this time to prevent Bitter Rot and other fungus diseases.

Apple Tree Blight—Same treatment as recommended for Pear Blight.

Bitter Rot—Use Lime-Sulphur Solution one and one-fourth gallons, two pounds of Arsenate of Lead to each fifty gallons of water. Spray as soon as petals fall. Give a second application of this same mixture three or four weeks after petals fall; then about eight weeks after petals fall use Bordeaux Mixture (4-4-50) with the addition of two pounds Arsenate of Lead, and repeat

this latter spraying every two weeks until four applications of same have been given.

Borer—Keep orchard free from litter and examine trees regularly for borers. Their presence will be indicated by sawdust at the entrance of their burrows. Remove, if near the surface, by means of a knife or wire. For those that have entered to a considerable depth inject by means of medicine dropper, a small quantity of carbon bi-sulphide in their excavation and seal securely with putty or wax.

Canker Worm—Encircle the tree with a canvas belt thoroughly coated with tar; also spray with arsenate of lead as soon as worms appear; two pounds of arsenate of lead, three pounds of lime to fifty gallons of water. If necessary repeat in three or four days.

Caterpillar—Destroy nests as soon as they appear in the spring by burning, or spraying with two pounds of arsenate of lead, three pounds of lime to fifty gallons of water.

Cedar Rust—Use seven pounds of atomic sulphur, two pounds of arsenate of lead to each fifty gallons of water. Spray the trees at the same period as recommended for Scab.

Green or Black Aphis—Spray with Black Leaf 40 at the rate of one part to 200 or 300 parts of water, as soon as the Aphis appear.

San Jose Scale—For dormant spraying, use Thomsen Chemical Company's lime-sulphur solution mixed at the rate of one gallon to eight gallons of water. Spray as early in the fall as trees are dormant, and again later in February or early March if the orchard is badly infested. For summer would suggest spraying with kerosene emulsion, one part of the emulsion to five parts of water.

AUGUSTA, GEORGIA.

Scab—Use one and one-fourth gallons of lime sulphur solution, two pounds of arsenate of lead to each fifty gallons of water. Spray first, just before buds open; second, repeat as soon as petals fall; third, three or four weeks after petals fall; fourth, eight weeks after petals fall.

Woolly Aphis (*Schizoneura lanigera*)—for above-ground colonies, spray with Black Leaf 40, 1 part to 200 parts of water, or a tobacco decoction. The summer spray of 1½ gallons of lime-sulphur to 50 gallons of water will also kill them, but must be applied with great force.

For root-inhabiting colonies, remove the soil to a depth of about three inches, or sufficient to partially expose the roots; open a circle from four to eight feet in diameter, depending on the spread of the roots; distribute three to eight pounds of tobacco dust or use 10 per cent kerosene emulsion. Enough emulsion should be used to saturate the soil to a depth of three or four inches. Recent experiments have shown that kerosene emulsion may be used with success. Tobacco dust is of more value as a preventive and fertilizer. Badly infested trees should be treated with kerosene emulsion, applying this in April or May, but be sure to have the stock solution properly made or it may injure the trees.

BLACKBERRIES.

Rust—Use a spray of sulphate of copper solution; one part to fifteen gallons of water before buds break. Use Bordeaux Mixture (4-6-50) if Rust appears in spring or summer.

GRAPES.

Black Rot—Use Bordeaux mixture (3-4-50). Spray first, when leaves have expanded; second, just after fruit has set; repeat every two weeks until fruit is nearly grown.

Borer (*Prionus*)—Its presence is manifested by the unhealthy appearance of the vine. Search must be made at the roots and the grub destroyed.

Curculio—Use Bordeaux Mixture (3-4-50) adding two pounds of arsenate of lead. Spray, first, before blooming; second, when fruit is about one-eighth inch in diameter; third, about first or fifteenth of July.

Flea Beetle—Use two pounds of arsenate of lead, three pounds of lime to fifty gallons of water. Spray as buds are swelling, and a second time about two weeks later.

Leaf Folder (*Desmia funeralis*)—Kerosene emulsion or paris green or arsenate of lead as a spray.

Mildew—This can be controlled by Bordeaux Mixture same as recommended for Black Rot.

JAPAN PERSIMMONS, WALNUTS AND PECANS.

Borer (*Prionus*)—These bore through the roots and usually destroy the tree, and must be carefully removed. Carefully examine collar of tree in winter and mid-summer, and apply lime-sulphur wash.

Caterpillar (*Catocala maetosa*)—Feeds on the leaves of pecans, and is sometimes quite injurious. Spray with paris green four ounces, lime one pound, to fifty gallons of water.

Pecan Bud Worm (*Proteopteryx deludana*)—Spray the trees just as the buds are opening, with arsenate of lead, three pounds to fifty gallons of water, and two pounds of lime, and repeat application ten days later. If the worms appear again in June or July, repeat the treatment. This will also help control the pecan husk borer.

Twig Girdlers (*Oncideres cingulatus*)—All limbs that have been girdled and have fallen must be burned at once, thus destroying all future broods of sawyers.

White Fly—One and one-half gallons of Schnarr's Insecticide to 100 gallons of water, or Whale-oil soap 1 to 1½ ounces to 1 gallon of water, or Thomsen Chemical Company's lime-sulphur solution, 1 part to 25 parts of water.

PEACHES AND PLUMS.

Peach Tree Borer (*Sanninoidea exitiosa*)—The old method of worming peach trees in winter has been found ineffective, principally because the worms cause too much damage before being removed.

In the spring remove the earth from about the body of the tree down to the crown, scraping off gummy exudations, and carefully search for the borer. For this work use a farrier's knife or a tool especially made for worming peach trees.

An excellent wash for borers is the following: One bushel of quicklime, 20 pounds of sulphur, 1 gallon of coal-tar, 50 gallons of water. Mix tar and sulphur in 10 gallons of water and add lime. Stir well while slaking. When it is entirely slaked dilute the above to 50 gallons, and apply this wash to the tree, allowing it to run well down upon the roots. As soon as it is applied, draw up the earth to the tree so that it will form a cone about six inches above the level. A second application of this wash should be made during August. During the last of October remove the mound of earth from around the tree and thoroughly scrape the bark, as in the spring, and give another application of the wash, when this is completed draw up the earth about the tree as above recommended. This is a vigorous treatment, but is effective in all cases.

Black Knot in Plums—Cut off the affected branches below affected parts and burn to prevent its spreading. Spray with bordeaux mixture.

Brown Rot on Peaches, Plums and Nectarines—As Brown Rot, Curculio and Scab work together, the same treatment is, therefore, recommended for all.

For Early and Mid-Season Varieties—First: Spray the trees about ten days after the petals fall, when the calyxes or shucks are being pushed off, using 1½ pounds of tri-plumbic arsenate of lead and 3 pounds of lime to each 50 gallons of water. This is for the curculio and should be applied with a nozzle capable of throwing a fine spreading mist, covering the fruit and foliage with a very thin film of poison, but under no circumstances should the trees be drenched.

Second: About twenty days later, or one month after the petals fall, spray the trees with atomic sulphur, 5 pounds to 50 gallons of water, or self-boiled lime-sulphur (8-8-50). To this should be added 1½ pounds of tri-plumbic arsenate of lead, and where arsenate of lead is used, 3 pounds of lime to each 50 gallons of the spray. This is the second treatment for the curculio and the first treatment for scab and brown rot.

Third: About one month before the fruit is expected to ripen, spray the trees with atomic sulphur, 5 pounds to each 50 gallons of water, or with self-boiled lime-sulphur. No poison should be used at this time, and since the application is intended to prevent the development of brown rot during the month preceding the ripening of the fruit and during the picking season, the trees should be sprayed rather heavily so as to coat the fruit on all sides.

For Late Varieties—Late varieties should be sprayed with an additional application of atomic sulphur or self-boiled lime-sulphur about three weeks after the second treatment. This extra treatment is for the protection of the fruit from the attacks of peach scab, to which late maturing varieties are especially susceptible, as the interval between the second and third treatments would be much too long without it.

Curculio—To prevent the depredation of this pest see remedial measures under Brown Rot and Scab.

Peach and Plum Rosette—Root up and burn the affected tree as soon as the disease is observed.

San Jose Scale—Same treatment as recommended for Apples.

PEARS.

Pear Blight—Cut off and burn all affected limbs. Careful pruning should be resorted to during the winter to remove all affected limbs and affected areas. Disinfect the pruning shears after removing each branch or affected part. About a 4 per cent solution of formaldehyde can be used for this purpose.

Pear Blight is a bacterial disease and easily transmitted. Write to the State Board of Entomology, Atlanta, Ga., for bulletin on Pear Blight and Its Control; also to the Bureau of Plant Industry, Dept. of Agriculture, Washington, D. C.

San Jose Scale—Same treatment as recommended for Apples.

PECANS.

See under head of Japanese Persimmons, Walnuts and Pecans.

RASPBERRIES.

Rust—Same treatment as recommended for Black berries.

ROSES.

Anthraxnose—Cut off and burn diseased parts and spray with Bordeaux Mixture (4-6-50).

Aphis—Spray plants with a solution of sulpho-tobacco soap; or a 2 per cent solution of lime-sulphur; or to-

bacco water, using four ounces of tobacco-stems to one gallon of boiling water; strain the solution and add four ounces of soft soap while it is still hot; stir well to dissolve the soap.

Black Leaf Forty can be used, as recommended, for Green or Black Aphid.

Black Spot—This is a fungus disease. All diseased leaves should be removed from the plant, and those on the ground raked up and burned. Spray the plants with same strength of Bordeaux as recommended for mildew.

Leaf Hopper—Spray with insect powder, tobacco decoction or kerosene emulsion.

Mildew—This is caused by extremes of heat and cold, or by a continuance of damp, cold weather. Sprinkle the plants with water, and dust them with soot, or spray with Bordeaux Mixture (3-9-50), taking care to reach the under side of the leaves as well as the upper; also spray the ground around the plants.

Slugs—Spray with hellebore or insect powder.
Thrips and Other Insects—Same treatment as for Aphids.

SHADE TREES.

Leaf Eating Insects—Spray with two pounds of arsenate of lead, three pounds of lime to each fifty gallons of water.

San Jose Scale—Same treatment as recommended for Apples.

West India Scale—When trees are dormant use lime-sulphur solution as a spray, mixed one gallon to eight of water. During the growing season use Schnarr's Insecticide, mixed 1½ gallons to 100 gallons of water.

WALNUTS.

See under head of Japanese Persimmons, Walnuts and Pecans.

Fungicide and Insecticide Solutions and Formulae

Arsenate of Lead can be used as a substitute for paris green and london purple. It can be used much stronger with less danger of injury to plants. Two pounds to fifty gallons of water give good results against most biting insects. As a safeguard against injury to the foliage, add three pounds of lime.

Atomic Sulphur (Thompsons's)—The best preventive against Brown Rot in Apples, Peaches, Plums and other fruits.

Bordeaux Mixture—Copper Sulphate, 4 pounds; quicklime, 6 pounds; water, 50 gallons. Dissolve the copper sulphate by putting it in a bag and hanging it in a wooden or earthen vessel holding 25 gallons; slake the lime gradually and add water until you have 25 gallons. The copper sulphate mixture and lime should then be poured into the pump so that the two streams will mix thoroughly as they fall. Bordeaux Mixture will not keep more than twenty-four hours. Remember this.

Copper Sulphate Solution—Dissolve 1 pound of copper sulphate in 15 gallons of water. Do not apply this solution to foliage; it must be used before buds break on grape vines and peach trees. For the latter, use 25 gallons of water.

Kerosene Emulsion—One-half pound of soap dissolved in 1 gallon of water; add to this, while hot, 2 gallons of kerosene. (The boiling soap solution should be removed from the fire before the kerosene is added.) Churn violently with a spray pump or garden syringe until the mass becomes of the consistency of butter. Dilute the above mixture with from 9 to 15 parts of water when using, so that it will not be stronger than 1 part of oil to 9 to 15 parts of water. Sour milk may be used instead of soap.

Larkin's Sulpho-Tobacco Soap is a universal insecticide. A safe and sure exterminator of all kinds of insects and vermin on plants, shrubbery, vines, small fruits and trees. The soap is non-poisonous and absolutely safe to handle. It will not injure the tenderest growth.

Lemon Oil—Plants should be dipped in a solution of suitable strength. While it kills all scale insects, it is not injurious to the most tender plants.

Lime-Sulphur Solution—Lime unslaked, 20 pounds; sulphur, ground 16 pounds, water to make 50 gallons. Place 8 to 10 gallons of water in an iron kettle over a fire, and when it reaches the boiling point, add the sulphur and mix thoroughly; then add the lime, which will immediately produce a violent boiling. From time to time add a small quantity of water as needed to prevent boiling over or burning. The sulphur gradually goes into solution, and the mixture, at first thick and pasty, becomes thinner and thinner, changing in color through several shades of yellow. After boiling at least one and a half hours, the mixture should be diluted to the proper

amount by the addition of sufficient hot water. If a suitable boiler is not convenient, the mixture may be more economically cooked in barrels or tanks by the use of steam.

Thomsen Chemical Company's Lime-Sulphur Solution is recommended for the treatment of the San Jose scale as the lime-sulphur treatment is superior in many ways to the other remedies. Write us for prices.

Naphtha Soap and Nicotinic Acid—One ounce of soap and one-quarter ounce of Nicotinic Acid to each gallon of water. It is advisable to have the water at 100 degrees Fahrenheit. This is an excellent spray for red spider.

Paris Green—Actively poisonous. Add 4 ounces of paris green, 1 pound of fresh lime, to 50 gallons of water. Paris green and Bordeaux Mixture may be applied together without the action of either being weakened.

Pyrethrum—One ounce of the "Bubach" powder added to 2 gallons of cold water, for any plant used for food, as this is non-poisonous.

Scalecide—One per cent solution of scalecide or 1 per cent prepared lime-sulphur solution will eradicate red spider.

Tobacco, 1 pound; boiling water, 2 gallons; strain when cool. It is very effective when used as a spray against flea beetles, aphides (plant lice).

White Hellebore, 1 ounce; water, 3 gallons. Effective as a spray for rose slugs.

SPRAYING.

We cannot be too emphatic in impressing on the horticulturist to spray his fruit trees and grape vines if he desires good fruit. Follow directions carefully. Experiments frequently result disastrously. Careless spraying will result in loss of fruit and sometimes the trees. Every fruit grower should purchase a spraying apparatus; it can now be had for a small sum. Be careful in keeping your solution continually stirred. The best time for spraying is late in the afternoon or during cloudy weather, except with kerosene emulsion; this should be used on bright, shiny days.

Other scale insects, of which there are several species such as cherry scale, pecan scale, obscure scale on shade trees, can be controlled during the winter months by the use of lime-sulphur or soluble oil, or during summer months by spraying with kerosene emulsion or sulpho-tobacco soap.

NOTE—If your trees are infested with any insects or fungous diseases, send infested portion to your Experiment Station, your State Entomologist, or the United States Entomologist at Washington, D. C.

AUGUSTA, GEORGIA.

Special Southern Evergreen Lawn Grass "Fruitland Mixture"

IF YOU WANT A BEAUTIFUL LAWN THIS WINTER, TRY OUR "FRUITLAND MIXTURE."

For a number of years we have tested many grasses to determine which ones would stand best in the South. We have finally succeeded in obtaining one, our "Fruitland Mixture," which has given most satisfactory results, and we have not yet seen a better lawn grass for this section than our mixture produces. It is composed only of such grasses as have exhibited the greatest heat and drought-resisting qualities. These grasses are most carefully blended, resulting in a mixture that stands our hot weather better than any evergreen lawn grass that we have been able to obtain. Of course, during periods of intense heat and drought, the "Fruitland Mixture," as well as all other evergreen lawn mixtures, will burn out more or less. During the hot, dry periods use a lawn sprinkler or hose and nozzle after sunset. Lawns are frequently injured by using the hose and putting on the water with too great force, especially when the sun is shining. All of our seed has been re-cleaned, is strictly free from weeds, and of high germination. During prolonged droughts it pays to water daily instead of only periodically. Grass, when artificially watered, requires that this be repeated regularly.

HOW TO MAKE A LAWN. The ground must be first thoroughly prepared by being plowed as deep as possible, and then sub-soiled; harrowed, and all stones removed. If the area cannot be plowed, then spade it up carefully and thoroughly. Apply a liberal amount of thoroughly rotted stable manure, turn this under and harrow. If this is not available then use sterilized sheep manure at the rate of 1,000 pounds to the acre, or 500 to 800 pounds of bonemeal; rake in well and level off the ground. When the surface has been raked perfectly smooth, the seed should be sown broadcast at the rate of 60 to 75 pounds to the acre (a space 210 x 210 feet). Rake lightly, thoroughly covering the seed, then roll. If the space is too small for rolling, or if you do not possess or cannot procure a roller, firm the soil with a plank. When the weather is very hot and dry, do not mow the lawn as frequently or as closely as when weather conditions are more favorable. A light reseeding on established lawns each Autumn will take care of the bare spots and will insure a good, substantial turf. By following these directions, no trouble should be experienced in obtaining and keeping a perfect lawn.

NOTE.—The best period for making a lawn is from September to December. The earlier in the fall the better. Never attempt to make a lawn during very dry or very windy weather.

PRICES OF "FRUITLAND MIXTURE."

5 pounds.....	\$ 1.50
10 pounds.....	2.75
15 pounds.....	3.75
50 pounds.....	11.00
100 pounds.....	22.00

Fruit Department

Apples.

Clay or clay loam is the best soil for growing Apples. The land should be plowed well and deep before setting the trees. It should, of course, be well drained and kept thoroughly cultivated. Too much emphasis cannot be put on the importance of drainage; recent investigation has shown that a surplus of water in the orchard produces fruit of an inferior quality and flavor. The expense of tilling or ditching is not to be compared with the profits that are derived from an orchard that is properly drained and cultivated.

All of our Apples are budded on whole seedling stocks. Our Apples are unusually thrifty and vigorous.

Plant Apple trees 25 to 40 feet apart, each way, according to soil.

PRICES: Except where noted.

	Each	10	100
Standard one-year, 5-7 ft., extra heavy whips and partly branched	\$0.25	\$2.00	\$15.00
Standard, one-year, 4-5 ft. whips .....	.20	1.50	12.00

Summer Apples

Varieties for Market Orchards in Capitals.

EARLY HARVEST. EARLY JUNE-EATING; YELLOW HARVEST. Medium to large; bright yellow; tender, juicy, well flavored. An excellent home-market apple; invaluable in any orchard. June 5, and lasts two or three weeks.

HORSE, HAAS; SUMMER HORSE; YELLOW, RED or GREEN HORSE, etc. Large; green; acid. Good for cooking and drying. Known everywhere. A very productive variety. July and August.

KANSAS QUEEN. Large; yellow, nearly covered with crimson; good quality; very reliable; productive, and a good market variety. Succeeds well in light, sandy soil. June to August.

May Pippin, WHITE JUNE EATING. Small, yellow; good quality; last of May.

RED ASTRACHAN, RED ASHMORE, EARLY RUS, etc. Large; yellow, nearly covered with crimson, and fine bloom; juicy, crisp, acid; a beautiful fruit. Tree a thrifty and fine grower; excellent and profitable. Ripens end of May and continues through June.

RED JUNE, CAROLINA RED JUNE, etc. Medium conical; deep red; juicy. Very productive. June 15 to end of July.

YELLOW TRANSPARENT, WHITE TRANSPARENT, GRAND SULTAN, etc. Medium; yellow; good quality. A productive, excellent and popular variety. Tree of dwarfish habit. Bears young. June.

Autumn Apples

Varieties for Market Orchards in Capitals.

BONUM, MAGNUM BONUM. Medium; deep crimson; firm, tender, juicy, mild, subacid. September to October.

MRS. BRYAN. Origin, Walker County, Georgia. Very large; orange-red; quality best. Maturity, September and October. An exceedingly handsome fruit, and becoming very popular in many sections.

PINE STUMP. Large; oblate; dark crimson; flesh yellow, crisp, sugary; good flavor. August and September. A very showy fruit. Tree spreading, vigorous and productive. One of the best varieties for the Piedmont section of Georgia, South Carolina and North Carolina.

Winter Apples

Varieties for Market Orchards in Capitals.

BACK ARKANSAS. Large; dark red; flesh yellow; very good; subacid; good keeper; late.

BEN DAVIS, NEW YORK PIPPIN; THORNTON OF SOUTHERN ALABAMA. Medium; oblate; greenish yellow, with a crimson cheek; subacid; fair quality. Keeps well.

P. J. BERCKMANS CO.

DELICIOUS. A remarkably popular variety in the West. Fruit large, nearly covered with dull dark red; fine grained, crisp, juicy; quality best; a splendid keeper and shipper; vigorous grower.

FORT, FORT'S PRIZE. Medium size; deep crimson with pure white dots, and fine russet deepening towards apex and cavity; flesh white, crimson; good flavor; an excellent keeper; an attractive and reliable market sort; bears early; a vigorous grower; originated in Habersham County, Georgia, by Col. J. P. Fort.

PARAGON, MAMMOTH BLACK TWIG. A Tennessee seedling with the combining good qualities of Winesap and Limbertwig; fruit very large, yellow striped red, subacid; medium to late.

ROME BEAUTY, ROYAL RED PHOENIX, etc. Large; yellow and bright red; medium quality; moderate grower; a good bearer; an excellent market sort. Ripens in October. Keeps well.

ROYAL LIMBERTWIG. Large; oblate; pale yellow; striped red; flesh yellow, rich and juicy; productive. Ripens in October, and will keep until the following summer. Cannot be classed as of first quality, but is yet one of the most popular winter varieties we cultivate. Profitable market variety.

SHOCKLEY, WADDELL, HALL, SWEET ROMANITE. Medium; conical; always regular; yellow, with a bright crimson cheek; flesh firm; sweet or subacid, with some flavor; trees very erect, vigorous, exceedingly productive; ripens in October and will keep until the following summer. Cannot be classed as of first quality, but is yet the most popular winter variety we cultivate. Profitable market variety for the South.

STAYMAN WINESAP, STAYMAN. A seedling of Winesap. Dark red; flesh firm, fine grained, crisp, subacid; quality best. Strong grower.

TERRY, TERRY'S WINTER. Originated in Georgia; medium size; subacid; red; best quality. An excellent market variety. Most prolific. November 1st.

WINESAP, HOLLAND'S RED, WINTER WINESAP, etc.

Small to medium; red; vinous; quality very good. A good keeping apple.

WINTER QUEEN, POORHOUSE, WINTER GREEN. Large, roundish; oblate; pale yellowish green; russet spots; flesh yellowish moderately juicy; mild; subacid; very good. Tree vigorous, compact grower. This is a valuable addition to our varieties, as it is an exceptionally good shipper and keeper. Ripens last of October.

YATES, RED WARRIOR. Small, dark red, dotted with small white dots; flesh yellow, firm, juicy and very aromatic. Very heavy bearer and good keeper.

YORK IMPERIAL, JOHNSON'S FINE WINTER, SHEPP, etc. Medium; whitish, shaded crimson; flesh yellow, crisp, juicy and subacid; very good. A profitable market variety for the upper sections. October.

NOTE.—Nearly all winter Apples commence to be in eating condition here in October, and if properly taken care of in a cool, dry room, free from frost, the larger number can be kept through the winter.

Crab Apples

Siberian Varieties.

The flowers as well as the fruit are exceedingly ornamental. The trees are heavy and early bearers. The fruit is desirable for preserves, jelly, etc.

PRICES:

	Each	10
Standard one-year, 4-5 ft., extra heavy	\$0.25	\$2.00
Standard one-year, 3-4 ft.	.20	1.50

Golden Beauty, GOLDEN BEAUTY CRAB. A crab of medium size; fruit beautiful, golden-yellow; keeps well; exceedingly ornamental.

Large Red, RED SIBERIAN CRAB. Roundish, ovate; bright red on a light-yellow ground; flesh, acid; very ornamental.

Transcendent, TRANSCENDENT CRAB. Fruit sometimes two inches in diameter; yellow striped with red; fine for preserving and jelly; tree a vigorous and quick grower; very ornamental.

Apricots

Apricots give the best results when planted in a situation where they are protected from the north and west by buildings or trees. As the Apricot is particularly susceptible to the attack of curculio, the fruit should be sprayed the same as peaches. The trees must be planted in high, well-drained ground, and must have clean cultivation.

PRICES:

	Each	10
5 to 7 feet, extra heavy	\$0.50	\$4.00
4 to 5 feet, branched	.40	3.00

AMBROSE. Large, rounded, early; skin deep yellow; flesh sugary and juicy; quality best. Middle June.

EARLY GOLDEN, DuBOIS. Fruit small, rounded; oval; skin smooth, pale orange; moderately juicy and sweet; very good flavor. Early June.

MOORPARK, DUNMORE; TEMPLE'S; DENANCY, etc. Fruit large; skin orange; brownish red on sunny

side; flesh bright orange; freestone; juicy; rich and luscious flavor. Very productive; an unusually hardy variety, having produced fine crops as far north as Idaho. Late June.

ROMAN, TRANSPARENT; GROSSE GERMINE, etc. Fruit medium-sized; skin pale yellow, sometimes dotted with a few red spots; flesh dull yellow, soft, rather dry; one of the largest growing and hardiest Apricot trees.

Figs

This fruit adapts itself to a wide range of soils and climates. By protecting the plants during winter some varieties have been successfully grown in the state of New York.

The trees should be planted 12 to 18 feet apart, according to character of soil, and they should be trimmed so as to admit plenty of light and air into the center of the tree. Figs bear early, and the ripening period covers the season from June until November.

PRICES:

	Each	10
Two years, heavy	\$0.50	\$4.00
One year, heavy	.35	3.00

BLACK ISCHIA, BLUE ISCHIA, etc. Fruit is of medium size; skin blue-black, with crimson pulp and of good quality; tree moderate bearer. Not so hardy as Green Ischia.

BROWN TURKEY. Medium; brown; sweet and excellent; very prolific. Most reliable for field-culture. One of our hardest varieties.

BRUNSWICK, MADONNA; BROUGHTON, etc. Very large; violet; pulp thick; quality good; productive and hardy.

CELESTE, SUGAR; CELESTIAL, etc. Medium; pale violet, with bloom; sweet and excellent; prolific; early. Hardest of all figs.

Green Ischia, WHITE ISCHIA. Medium to large green, crimson pulp; excellent, prolific. Produces fruit from middle of July until frost.

LEMON. Fruit medium to large, flattened, slightly ribbed, yellow, flesh white, sweet; early. Strong grower and very prolific. A favorite for canning.

AUGUSTA, GEORGIA.

Peaches

PRICES:

	Each	10	100	1000
One-year, 5 ft. and up, extra heavy.....	\$0.25	\$2.00	\$15.00	\$100.00
One-year, 4-5 ft., heavy.....	.20	1.50	12.00	80.00
One-year, 3-4 ft., stocky.....	.15	1.25	10.00	70.00
One-year, 2-3 ft., stocky, mostly whips.....		1.00	7.00	50.00

Varieties for Commercial Orchards in Capitals. Dates of maturity given for latitude of Augusta, Ga., except when noted.

A well-drained, sandy loam with a clay subsoil is an ideal soil for the Peach. But the Peach has the faculty of adapting itself to almost any soil, provided it is well drained. Peaches, if planted in sour land, will probably die before reaching the bearing stage. All Peach lands should be tested for an excess of acidity, and if such acidity exists, the soil should be corrected by an application of lime. Always plant a 1-year tree. Cut the tree back to 18 inches and plant 18x18 or 20x20 feet. It is best to have a low-headed tree. In the spring, after the growth has started, remove all but three branches, and let these be distributed so that the tree will be well balanced. For the first two years fertilize with well-rotted stable manure, or a mixture of one part of cotton seed meal or bone meal to two parts of 16 per cent acid phosphate by weight. Apply 1½ to 2 pounds of this mixture to each tree. After the third year, avoid nitrogenous fertilizers, and use a fertilizer containing a good percentage of bone phosphate and potash and a small percentage of nitrogen.

Prune every year by cutting off one-third of the previous year's growth. The head of the tree should be broad and open, so as to allow free circulation of light and air. Never plant newly cleared woodlands; such lands should be cultivated for at least two years before setting the trees; otherwise wood-lice will injure them.

In preparing orchard land, plow as deeply as possible and then subsoil. Dig holes two feet square; better yet, use dynamite for making the holes. Cowpeas, soy beans or velvet beans are excellent crops for planting between the trees; it is best to drill in two feet apart, leaving four or more feet on each side of the trees, so as to have ample room for cultivation. Cultivate frequently, and in the late fall or early winter turn under the cover-crop. When the orchard begins to bear, it should have clean cultivation, but as soon as the fruit is harvested, drill in peas for cover-crop, and turn this under as above directed.

In fall it is always advisable to sow a cover crop, such as Clover, Vetch or Rye. This cover crop should be turned under in early spring.

Peaches, Freestone

Alexander. Above medium; highly colored in clay soils; less so in light soils; flesh greenish white; very juicy, vinous and of good quality; adheres to the stone. Matures from last of May to June 10.

ARP. ARP BEAUTY. Yellow mottled crimson; very good; semi-cling; desirable variety; ripens June 10th.

BELLE, BELLE OF GEORGIA. Very large; skin white, with red cheek; flesh white, firm, and of excellent flavor; very prolific; excellent shipper. Tree a rapid grower. July 5 to 20.

BRACKETT. (Named by us in honor of Col. G. B. Brackett, Pomologist, U. S. Department of Agriculture, Washington, D. C.) After experimenting with the best named varieties, we have finally succeeded in securing in the Brackett a Peach which fills a long-felt want. Before disseminating this valuable Peach, we gave it a thorough trial for several years, and it has come up to our most sanguine expectations. Its period of ripening commences just at the close of the Elberta season. The fruit is a perfect freestone; large to very large, oblong, with sharp apex and shallow suture; color orange-yellow, washed red and mottled deep carmine, with a very dark carmine cheek; flesh deep yellow, juicy, highly flavored and of the best quality. It stands shipping well and promises to be a most popular variety. Ripens August 1st to 15th.

BERENICE. Originated by the late Dr. L. E. Berckmans in 1877. Large to very large; yellow mottled with dark crimson; flesh yellow, melting, juicy, rich. A popular shipping variety in sections where it is known. Matures from end of July to middle of August.

CARMAN. Large; creamy white, with deep blush; skin tough, but flesh very tender and of fine flavor; prolific bearer. A most profitable and popular shipping variety. Ripens June 20 to July 1.

Chairs. Large yellow; flesh very fine, heavy bearer; an excellent variety; matures August 15th to 30th.

CHAMPION. Large; skin creamy white, with red cheek; flesh rich and juicy. Ripens middle to last of July.

Columbia. PACE; YELLOW INDIAN; TINLEY, etc. Large; dingy yellow and red stripes; flesh yellow, buttery, rich and sweet; quality best. End of July to middle of August.

Dr. Berckmans. Large, creamy-white, blush cheek; flesh white, melting, vinous, of the highest flavor; a seedling of Chinese Cling, but surpasses any variety of the same parentage, maturing at the same season. Matures middle to end of July.

EDE. CAPT. EDE. Large, yellow, excellent quality; resembles Elberta but better flavor; ripens early in July.

ELBERTA. Large; yellow, with red cheek; juicy and of good flavor; flesh yellow. Ripe middle of July. This is an excellent shipping variety.

Everbearing. Indian type. In some sections this Peach begins to ripen about July 1 to 15, and continues to produce successive crops until about the middle of September. Fruit varies in size from large to medium; is creamy white, mottled and striped with light purple and pink veins; oblong, tapering to the apex; flesh white, with red veins near the skin. Very juicy and of excellent flavor. Recommended for family use only.

Fox. Large; white, with red cheek; of good quality and flavor; regular bearer. A good peach. Middle of September.

Francis. Fruit medium large; almost red, with yellow cheek; yellow flesh; quality very good. Free stone. July 20 to August 1.

GREENSBORO. Round, sometimes elongated; flesh white; very juicy, of good quality; skin white with red cheek; highly colored in the sun; a good early market sort. Matures May last to June 15th.

HILEY. EARLY BELLE. Large; white, with beautiful red cheek; flesh white; quality best. Prolific bearer. Ripens June 25 to July 5. The best shipping variety of its season, which makes it very valuable.

Honey. Medium; oblong, with sharp recurved point, creamy-white, washed a mottled carmine; of honey sweetness; ripens June 15th to July 1st.

MAYFLOWER. NEVA-MYSS. EARLY WONDER. Originated in North Carolina. An excellent variety. Fruit small to medium; round; entirely covered with red. Blooms late, very hardy; bears early, and, so far, ripens ahead of any other variety. May 15th to June 1st. Especially desirable in extreme southern parts of Georgia and the Coastal Belt. This Peach is an acquisition.

Pallas. A seedling of Honey. Originated by the late Dr. L. E. Berckmans; resembles the parent but is much larger and more nearly round in shape; flesh white, melting and vinous; ripens July 10.

Picquet. Very large; yellow, with a red cheek; flesh yellow, buttery, rich sweet and of the highest flavor. Maturity from end of August to middle of September.

Robert. Originated by the late Dr. L. E. Berckmans. Large, creamy-white, with crimson cheek and a few crimson stripes, flesh white, slightly veined pink; melting, juicy and vinous; quality best; a desirable bearer; ripens August 15.

SALWAY. Large; dull yellow, mottled brownish red; flesh yellow, firm, but rather acid; fine flavor. August 15.

Slappy. Medium to large, clear, golden-yellow with dark cheek; flesh yellow, of fine quality; ripens July 5 to 10.

SNEED. BOWERS, PEBBLES. Medium; creamy white with carmine mottling; flesh greenish white; juicy; semi-cling; quality fair. Ripens May 20th to June 1st.

Summerour. ATLANTA. Very large; rounded, deep yellow; flesh yellow, juicy, sweet and of good quality; ripens from middle to end of September. This peach fills a gap which has long been open in season of maturity; because it ripens after all good free stones are gone.

Tornado. Fruit medium to large; skin reddish yellow; flesh yellow; good quality. Tree vigorous grower. Freestone. Ripens July 20.

VICTOR. Size below medium; creamy white mottled with carmine, some faint dark stripes; flesh white, juicy, vinous, semi-cling; quality good. May 20th to June 10th.

WADDELL. Of medium size; fine shape; skin greenish-white; almost covered with red; flesh white and juicy; very prolific. A fine market sort. Ripens June 20th to July 1st.

WALLER. Originated by Waller Brothers, near Sparta, Georgia. Matures one week later than Elberta. Evidently of Crawford type. Large, but not quite averaging the size of Elberta; a very heavy and reliable bearer; skin yellow, but more than half covered with red; stringy, but of good quality.

Wonderful. Very large; deep yellow, with carmine blush; flesh yellow, firm, good. Ripens middle to last of August.

Peaches, Clingstone

Albright. Large white, changing to light-orange; juicy, sweet, very good; ripens middle of October.

CARSON. Originated in Hancock County, Ga. Medium to large, with pale yellowish ground completely over-spread with light crimson, with deep carmine cheek; flesh white, very juicy, vinous, red near the stone. A sure and heavy bearer; a most desirable variety; ripens last of July.

Eaton. Medium; skin yellow, with occasionally a few

pink spots; flesh yellow, sweet, juicy, apricot flavor. Superior for canning. Middle of September.

GENERAL LEE. IMPROVED CHINESE CLING. Above medium; oblong; creamy white, with carmine wash; flesh very fine-grained; melting, very juicy, and of high flavor; quality best. July 1 to 10.

Heath Late White. WHITE ENGLISH; ELIZA THOMAS; POTTER'S SEPTEMBER; RAUY; WHITE GLOBE; HENRIETTA, etc. Large; oval, with sharp apex; skin creamy white; very seldom with any red; flesh pure white to the stone; juicy and sweet, with good aroma. Very popular for preserving. Ripens beginning of September.

Indian Blood. Large; dark claret, with deep red veins; downy; flesh deep red; very juicy. Middle of August.

KENT. Originated at Augusta, Georgia, and first disseminated by us; has been tested in many parts of the South, and in every one of these sections it has succeeded admirably; fruit large, slightly depressed at apex; skin greenish-yellow tinted carmine at apex and on cheek; flesh yellow, buttery and of exquisite flavor; skin very tough but peels very readily; an excellent shipper and we are sure will become one of the standard varieties for shipping. We recommend this variety unhesitatingly; ripens August 1 to 15.

Levy. HENRIETTA CLING. Fine cling; large size; skin deep yellow, shaded brownish red in the sun; flesh firm and juicy. Favorite variety in California.

Mealing. Originated by Dr. W. E. Mealing, North Augusta, South Carolina. Medium size; skin yellow, crimson on sunny side shading to deep orange; flesh firm, good quality; ripens last of August to middle of September.

Oriole. Originated by Dr. L. E. Berckmans. Large, yellow, rich, buttery. A yellow-fleshed Chinese cling; ripens August 15.

Pendleton. Very large; yellow; very good quality. Beginning of September.

Pineapple. KENNEDY'S CAROLINA; ALLISON; LARGEST LEMON, etc. Large; oblong, with a protuberance like a lemon; skin golden yellow, tinged with dark red; flesh yellow; slightly red at the stone; juicy; sub-acid; of excellent quality. Middle of August.

Plant. Very large, covered with red; flesh yellow, juicy, rich and sweet. July 25th to August 10th.

Sims. Large to very large. Almost perfectly round. Golden yellow, with faint blush on one side. Flesh deep yellow; very fine texture; excellent flavor. August 15th.

Stonewall Jackson. Almost identical with General Lee in size and quality, but ripens a week later; tree a more compact grower. July 10 to 20.

STINSON. Large; white, with red cheek; of very good flavor. The most profitable late Peach yet introduced for southern markets. Middle of October.

Pears

As a rule, Pears are most successfully grown in a very heavy, clay, or clayey loam, that has been well fertilized. If grown in sandy soil, coarse manure or litter should be worked into the soil. Mulching is of great benefit, and the orchard should be kept cultivated at all times.

This list of select varieties has been reduced to such as have been thoroughly tested and have proven valuable throughout the largest section of the South. We grow Standard Pears principally, but can furnish Dwarf trees of a few varieties.

PRICES:	Each	10	100
Standard two-year, 5 ft. and up, well branched	\$0.35	\$2.50	\$20.00
Standard one-year, 4 ft. and up, whips or partly branched, or			
Two-year medium	.25	2.00	17.50

Distance for planting: Standard trees 20 to 25 feet; Dwarf trees 15 to 20 feet apart each way.

Oriental Pears

This type is peculiarly adapted to the South.

Garber. Resembles the Kieffer in size, appearance and quality, but matures here in August, and between the Le Conte and Kieffer. A thrifty grower and valuable variety.

Golden Russet. Japan Golden Russet. Large; almost globular; entirely covered with russet; firm, juicy; excellent for canning and preserving. A strong, vigorous grower.

Hawaii or Sandwich Island. Medium; round, bergamotte-shaped, very prolific, foliage luxuriant; fine grower, very ornamental; valuable for cooking and canning. October to December.

Kieffer. Fruit large to very large; skin yellow, with a light vermilion cheek; flesh brittle; very juicy, with a marked musky aroma; quality good. Matures from September to October. Tree vigorous and very prolific. Begins to bear when four years old.

Le Conte. CHINESE PEAR. Fruit large; pyriform; skin smooth; pale yellow; quality very variable;

AUGUSTA, GEORGIA.

usually of second quality, but if allowed to mature slowly in a cool, dark room, its quality improves remarkably. Maturity from July 20 to end of August. Trees begin to bear when five years old.

Mikado. Large, yellow; flesh brittle; vigorous grower; good for cooking and preserving. Last of August.

Magnolia. Large, brownish-red; quality fair; matures later and keeps better than Kieffer. A desirable variety.

Smith. Almost identical with Le Conte in size, shape and quality, but a few days earlier.

European Pears

SUMMER.

Alamo. Origin, Texas. Large; yellow, with bronze cheek. Tree a vigorous grower; bears young.

Bartlett. Large; buttery, melting, of rich flavor. Very popular. Ripens end of July and during August.

Archangel. ST. MICHAEL ARCHANGEL. Large; melting; very good; juicy; tree pyramidal; ripens in August.

Clapp Favorite. Resembles Bartlett, but ripens a few days earlier. Fine flavor. Tree a vigorous grower.

Flemish Beauty. Large; melting; sweet; handsome, August.

Giffard. Medium size; juicy. Tree a straggling grower. Ripens middle of June.

Koonce. Medium to large; very handsome; juicy; sweet; very good. Tree a vigorous grower. Middle of June.

Lucrative. BELLE SEIGNEUR D'ESPEREN; FONDANTE D'AUTOMNE. Large; melting; delicious; fine grower; bears abundantly and regularly. End of July and August.

Marguerite. Petite Marguerite. Small; very early; an improvement upon Doyenne d'Ete. Ripens early in June.

Philadelphia. Large, melting, very good; middle of July.

Summer Doyenne. DOYENNE D'ETE. Small, melting, very good; tree a medium grower; ripens early June.

Wildcr. Small to medium; yellow, with dark red cheek; melting; sweet and very good. Beginning of June. Of vigorous and symmetrical growth. A valuable early market fruit.

WINTER AND AUTUMN.

Anjou. BEURRE D'ANJOU. Large; juicy; melting. A fine tree and regular bearer. September.

Angouleme. DUCHESSE D'ANGOULEME. Large; melting; juicy and well flavored. Vigorous grower and reliable bearer. August 15.

Diel. BEURRE DIEL. Large; buttery; rich; vigorous grower. September.

La France. Resembles Angouleme, but a month or six weeks later. A desirable variety.

Langelier. BEURRE LANGELIER. Medium, juicy, vinous and good; October and November.

Lawrence. Very large; melting; rich. Tree a remarkably fine grower. September and October.

Seckel. Of exquisite flavor; perhaps the standard quality in Pears. Tree a stout, slow grower. September.

Sheldon. Large; round; russety; first quality. Last of August.

Superfin. BEURRE SUPERFIN. Large; melting; subacid. Fine tree and regular bearer. August.

Dwarf Pears

PRICES:	Each	10	100
Three-years, 4-5 ft., heavy, branched	\$.035	\$3.00	\$25.00
Two-years, 3-4 ft., branched	.30	2.50	20.00
One-year, 3-4 ft., stocky	.25	2.00	15.00

Angouleme, Anjou, Superfin and Seckel. For descriptions see above.

Japan Persimmons (*Diospyros Kaki*)

The Japan Persimmon is thoroughly at home in the Cotton Belt. It does especially well in the Coast Region. Some varieties have succeeded in middle Kentucky and Virginia. We have also seen the trees growing successfully in southern New Jersey.

The tree is a vigorous grower and an early and most prolific bearer. In fact, the tree is apt to over-bear, and, therefore, the fruit must be properly thinned. The persimmon will succeed with little care or attention, but to get the best results it should receive the proper care and attention as to fertilization and cultivation.

This fruit is coming to the front for market purposes, and commands good prices, as it usually comes on the market in the fall and early winter. A careful selection of varieties will give fruit from August until frost. If the fruit is harvested before it is touched by frost, and house-ripened, the quality becomes greatly improved. For shipment the fruit should be packed in flat boxes with divisions, or in the standard six-basket carrier as is used for Peaches. Some varieties have dark flesh which are edible while the fruit is hard; whereas the light flesh varieties must be thoroughly matured before they can be eaten, as they are very astringent until fully ripened. The fruit of nearly every variety begins to color when half grown, but should be allowed to hang upon the tree until just before frost is expected, or in the case of early ripening varieties, when fully matured. Many of the late-ripening varieties can be kept until February. Some varieties will be seedless during certain years, and then again in other years they will contain more or less seeds: Furthermore, both round and pointed specimens are sometimes produced on the same tree.

PRICES:	Each	10	100
Budded and grafted, 3 year, 6 to 7 ft., heavy branched	\$1.00	\$8.00	\$35.00
Budded and grafted, 2 year, 5 to 6 ft., heavy	.50	4.00	20.00
Budded and grafted, 4 to 5 ft.	.30	2.50	15.00
Budded and grafted, 3 to 4 ft.	.25	2.00	17.50

Among. Yemon. Round; flattened; deeply ribbed; dark orange-red; 2½ to 3 inches in diameter; average weight, 6 ounces; flesh red; very sweet and sometimes edible while still solid.

Costata. Medium. Conical, pointed; 2 1-8 inches long by 2 5-8 inches in diameter. Skin salmon yellow; flesh light yellow; astringent while solid, excellent when ripe. Ripens late; fine keeper; tree a rapid and upright grower. Luxuriant foliage.

Goshio. Very large; round; somewhat flattened; 3 to 3½ inches in diameter. Average specimen 10 ounces, and sometimes yields specimens 16 ounces in weight. Keeps late; flesh red; tree erect grower.

Hachiya. IMPERIAL YOMATO, etc. Very large; oblong, with a blunt apex slightly ribbed; size 3 by 3 3-4 inches long by 3½ inches in diameter; flesh deep orange-red; astringent while solid, but sweet and

very good when soft. Should be house-ripened and can be kept until March. The largest of all. Tree very vigorous and of tall growth.

Hiyakume. This is perhaps the most desirable of all the round, red-fleshed varieties, and as the fruit affects various shapes, it is known under many names such as Pound, etc. Fruit large, averaging 3 inches in diameter and 5 ounces in weight; usually flattened, but elongated forms are quite common upon the same branch; flesh bright orange-red. Keeps very late; must be soft before being edible. Tree of moderate height.

Miyotan. MAZELI. Round, or slightly oblong; 2½ inches in diameter; skin deep orange-red; flesh usually deep reddish brown, but specimens of half-brown and half-red flesh are often produced on the same tree; keeps late. Brown specimens are edible while solid.

Tamopan. BIG GRINDSTONE. This valuable new, vigorous variety was introduced by Mr. Frank N. Meyer, Agricultural Explorer of the Department of Agriculture, Washington, D. C. In Japan this is considered the best of all persimmons. Fruit bright orange-red; skin thick and tough; flesh light colored; seedless; of excellent quality. Some without astringency and can be eaten while hard. The tree is a thrifty grower.

Triumph. Originated in Florida, but grown from seed imported from Japan. Tomato shaped; medium size, 2 3/4 to 3 inches; bright red; skin smooth and bright red; flesh yellow, firm and of fine quality. Very few seeds. Tree a strong and upright grower; very productive.

Tsurunoko. STORK EGG; MINO KAKI. Large; oblong; 2 1/2 by 3 1/2 inches; weight, 4 to 5 ounces, sometimes 10 ounces; skin bright red; some specimens covered with black at apex; flesh red; very good; keeps late. Edible only when soft. Foliage long and shiny; tree compact, of vigorous growth.

Zengi, or Zingi. Small; 1 3/4 to 2 inches in diameter; weight, 3 to 4 ounces. Flesh dark brown, with dark spots. Very sweet. Edible as early as middle of September, while still solid. Tree is a strong, healthy grower, producing fruit very freely.

Plums

PRICES:

	Each	10	100
5 to 7 feet, extra heavy.....	\$0.40	\$3.00	\$25.00
4 to 5 feet .....	.25	2.00	17.50

Distance for Planting, 15 to 25 feet apart, each way.

Native Plums

Cumberland. Originated near Augusta from seed collected upon the Cumberland Mountains in 1864. Large, yellow, juicy, sweet, good. Matures August and September. The best late Plum for this locality.

Wild Goose. Chickasaw Type. Large, somewhat oblong; bright, vermillin red; juicy, sweet; good quality; cling; a very showy and profitable plum; ripens middle of June.

Japanese Plums

Prunus triflora of botanists.

Prunus Japonica of pomologists.

Abundance. YELLOW-FLESHED BOTAN. Round, with pointed apex, but varies from quite round to sharply pointed. Skin yellow, heavily washed purple-carmine and a darker cheek; flesh yellow, very juicy, subacid, with apricot flavor; quite firm; skin tough; clingstone; quality best; pit large. Maturity June 15 to July 5. One of the best early varieties, and valuable for northern and middle states. Carries well to distant markets.

America. Originated by Luther Burbank. Extremely handsome. Large; light crimson; quality best; flavor unsurpassed; nearly globular. Flesh light yellow, nearly free stone. June 5th to 15th.

Burbank. In general characteristics, resembles Abundance, or Yellow-Fleshed Botan, slightly differing in foliage. Color cherry-red, mottled yellow; shape usually more globular; flesh, flavor and quality are identical, but its period of maturity here is from two to three weeks later, or middle to last of July. The tree is of very vigorous habit. Valuable also for northern states.

Douglass. MUNSON; HAYTAN-KAYO. Large, pointed, dark, purplish-carmine, with blue bloom; juicy, sweet; very good; a clingstone; a fine variety; July 20 to August 1.

Kelsey. Large to very large. Heart-shaped; greenish yellow, overspread with purple and blue bloom. Flesh very solid, yellow, rich and juicy. Semi-cling. Middle of July to end of August.

Kerr. HATTANKIO No. 2. Variable in shape; perfectly round and pointed specimens sometimes produced upon the same tree; skin yellow; flesh yellow, juicy, subacid; quality very good; clingstone; very prolific; ripens June 10 to 20.

Red Nagate. RED JUNE, or LONG FRUIT. 1 3/4 by 1 1/2 inches, pointed; skin thick; purplish red, with blue bloom; flesh yellow, solid, somewhat coarse-grained, juicy, subacid, with Damson flavor; clingstone; quality good. Maturity 10th to end of June. Very prolific, showy and attractive in color. It ripens a week before Abundance, and is the earliest large-fruited market variety.

Entland. RUTLAND PLUMCOT. A cross between a Plum and Apricot. Large, with deep purple, velvety skin; flesh red; sub-acid flavor; excellent for cooking.

Satsuma. BLOOD PLUM; YONEMOMO. Large; skin dark purplish red, mottled with bluish bloom; shape globular, or with sharp points; flesh firm, juicy, dark red or blood-color. Well-flavored and firm; quality very good; pit small. Unsurpassed in quality for canning. Maturity middle of July. Tree very vigorous. One of the most valuable varieties for this section, and adapted to the middle and northern states.

Wickson. Fruit large to very large; obconical; waxy white when half-grown, then the color gradually changes to pink and to dark crimson-purple; flesh very firm, yellow, juicy, subacid and highly flavored; pit small; clingstone; best quality. July 10 to 25.

NOTE: In addition to the above, we can supply a limited number of trees of several other desirable varieties of Japanese Plums.

European Plums

The following varieties of Plums do best in the Piedmont section:

Clyman. A California seedling, large, reddish-purple; flesh firm; freestone; vigorous and a good bearer.

Imperial Gage. Large; oval; golden-green; juicy, rich; first quality.

Shropshire. Of medium size; dark purple. Good for preserving. Thrives best in the Piedmont section. Very productive.

Quinces

These succeed best in strong, clay soils, in special localities, and in the Piedmont section. They can be grown in bush form. Being somewhat subject to leaf-blight, the trees should be sprayed with Bordeaux Mixture before the buds swell, repeating the spraying throughout the summer at intervals, as necessary. However, in some situations, Quinces seem to be free of blight.

PRICES, except where noted:

	Each	10	100
Strong, 3-years, budded, 4-5 ft., branched.....	\$0.50	\$3.50	\$30.00
Strong, 2-years, budded, 3-4 ft., branched.....	.40	3.00	25.00

Angers. A productive old variety. Fruit rather acid. Each 10 100
3-year trees\$0.25 \$2.00 \$15.00
Apple, or Orange. Large; round. Excellent late variety; bears abundantly.

Meeche. Larger than Apple Quince. Ripens early.

Rea. REA'S MAMMOTH. A very large and fine variety of Apple Quince. A thrifty grower and productive. By some considered the best of all Quinces.

Nut-Bearing Trees

Almonds

Almonds can be successfully grown in some sections of the South, but, owing to their early blooming periods, the fruit is sometimes killed by late spring frosts. The Almond requires the same cultivation as the Peach.

PRICES:	Each	10	
2-year trees, 5 to 7 feet, heavy.....	\$0.40	\$3.50	
2-year trees, 4 to 5 feet .....	.30	2.50	

Princess. A soft-shelled European variety, grown for commercial purposes.

Sultana. Soft shell variety; one of the sorts mostly cultivated in Europe for commercial purposes.

Texas. TEXAS PROLIFICO. Medium size; very plump; soft shell; a good bearer.

Chestnuts

PRICES:	Each	10	
4-5 ft., heavy, branched.....	\$0.50	\$4.00	
3-4 ft., heavy, branched.....	.35	3.00	
2-3 ft., branched.....	.25	2.00	

Large Spanish. Nuts large; not so sweet as American, but command a ready sale. Does well in this locality. Bears early and freely.

Filberts

PRICES:	Each	10	100
3-4 ft., bushy	\$0.50	\$4.00	
2-3 ft., well-branched.....	.25	2.00	\$17.50

European White. Will grow in almost any soil, and requires but little space. Nut oblong; very sweet, suited to the Piedmont section.

Walnuts

ENGLISH OR PERSIAN WALNUTS (Juglans Regia.)

The English Walnut requires a rich, well-drained and preferably stony soil. Never plant in hard pan, heavy clays, or soils which are not properly drained.

In some sections of the Eastern and Southern States the English Walnut is quite successfully grown. The trees we offer are all grown from the best French seed, and have been transplanted.

PRICES:	Each	10	100
4-5 ft., very heavy.....	\$0.75	\$6.00	\$55.00
3-4 ft., heavy.....	.50	4.00	37.50
2-3 ft., heavy.....	.35	3.00	27.50
18-24 inches .....	.25	2.25	20.00

BLACK WALNUT.

(Juglans Nigra.)

The well known native Black Walnut.

PRICES:	Each	10	100
3-4 ft., heavy	\$0.50	\$4.00	\$30.00
2-3 ft. ....	.35	3.00	25.00
18-24 inch .....	.25	2.00	15.00

JAPANESE WALNUTS.

The Japan Walnut succeeds from Massachusetts southward. It seems to be particularly successful in the Southern States. The tree is very handsome; has a large spreading top. It makes a useful as well as a very ornamental tree. At three years of age the tree commences to bear. The shells are moderately thick, but the kernels are very sweet. We offer two varieties.

PRICES:	Each	10	100
5-6 ft., very heavy.....	\$0.75	\$6.00	
4-5 ft., very heavy.....	.50	4.00	\$35.00
3-4 ft., heavy .....	.40	3.00	25.00
2-3 ft., heavy.....	.30	2.50	17.50
18-24 inches .....	.25	2.00	15.00

Juglans Cordiformis. NUT BREAD. Pointed; flattened; medium sized, somewhat resembling the shellbark hickory. If cracked longitudinally, the kernel can be removed entire.

Juglans Sieboldiana. Shaped like the butternut. Shell thicker than that of the English Walnut. A handsome tree; perfectly hardy in all parts of the country.

Pecans

Where soil and climatic conditions are proper, it has been practically demonstrated that Pecan-growing is a paying investment; but only grafted or budded trees of well-known and meritorious varieties, should be planted, and these varieties should have the following qualifications: Large size, good flavor, thin shell, easy-cracking quality, and freedom from disease; furthermore, the purchaser should know that the trees are propagated from grafts or buds taken from good, bearing trees.

It is a well-established fact that some varieties of Pecans, the same as with other fruits, are adapted to certain localities, whereas the same varieties are not so good in other locations. It is not yet known which variety is adapted to the greatest number of localities. There are scores of varieties now cultivated and new sorts are being advertised every year, but a half-dozen of the best tested and well-known sorts would be amply sufficient for any commercial grower.

Pecans should be planted from 50 to 60 ft. apart, according to soil, but this must be good; although the Pecan adapts itself to a great variety of soils—the rich alluvial soil of the river bottom and the high land of the sandy pine levels. The Pecan grows well on sandy land having a clay sub-soil, but it will not flourish in deep sand. Never set a Pecan in pipe clay land, or that which is not well drained. If the land sours the tree will die or will be so badly injured that it will never give satisfactory results. If you expect to get good results from your Pecans the trees must receive the proper care and attention as to cultivation, fertilization and pruning. If you do not propose to follow these directions better leave Pecans alone.

The best time for transplanting Pecans is just as soon as the trees are thoroughly matured in the fall, and the transplanting can be safely done until March. The land between the rows can be planted for several years in Cotton, Peas, Potatoes, Melons or any hoed crop. Never plant small grain in the Pecan orchard. When the trees have reached the bearing stage it is advisable to plant a cover crop of Peas, Soy Beans, Vetch, or Clover, and turn these under at the proper time.

The Pecan is long lived. Budded and grafted trees, if given the proper attention, will begin to bear 5 years after being set out, but paying results cannot be expected of the trees before 8 years of age. A 10 year old tree should produce from 15 to 20 pounds of nuts.

For fungus diseases and insects injurious to the Pecan, see page 5.

Directions for Handling and Transplanting Pecans.

Take great care in preventing the roots of trees from becoming dry by being exposed to the weather. Keep the roots moist and covered at all times. When taking the trees to the field for setting, they must be carefully covered with moss, wet sacks or something similar, to protect them from drying out. This is important. Only one tree should be removed at a time, and this set at once in the hole previously dug. The hole must be at least

two feet wide and of proper depth. Cut off the ends of all bruised or broken roots. Use a sharp knife for this; do not use an axe or hatchet. It has been practically demonstrated that it is advisable to cut off a part of the tap-root, as this causes the roots to throw out laterals. This will allow the tree to receive more food, and at the same time affords it a firmer hold upon the land. Place the tree in the hole about two inches deeper than it originally stood in the nursery row; fill the hole about half full with well pulverized top soil in which there is a proper proportion of well-rotted stable manure. If this is not available, use the proper amount of high-grade fertilizer or bone meal. This must also be thoroughly mixed with the soil.

Pack the earth well about the roots of the tree—the firmer the better. Fill up the hole and pack the dirt well, but leave at least two inches of loose soil on top. If the soil is very dry, some water should be poured about the tree when the hole is partly filled. When the trees are more than four to five feet in height, the top should be cut back to within four feet of the ground. Do this after the tree is planted. Be careful not to break the eyes off the tree in handling. Keep them well cultivated and properly pruned.

We have had excellent results in planting Pecans with dynamite—one-half pound of dynamite placed four feet below the level is ample.

All our trees are budded or grafted on thrifty two and three year seedlings, and are, therefore, very hardy and satisfactory.

PRICES:		Each	10	100
5 to 6 ft. heavy	.....	\$1.25	\$12.00	\$100.00
4 to 5 ft. heavy	.....	1.00	9.00	80.00
3 to 4 ft. heavy	.....	.80	7.50	60.00
2 to 3 ft. stocky	.....	.65	6.00	50.00

Frotscher. Very large, nuts averaging 45 to 50 to the pound. Shell very thin; can be cracked with the teeth; meat sweet and of fine quality, and can be removed entire from the shell. One of the best Pecans grown.

Jerome. Our stock is grown from the parent tree which originated in Louisiana. This is a seedling of Pride of the Coast, but far superior to the parent. The tree is very healthy and vigorous; nuts very large; shell about the same thickness as Pride of the Coast. Good cracking quality and well filled. Runs 30 to 50 to the pound. For several years we inadvertently sent out this Pecan under the name of Pride of the Coast. The Jerome is unquestionably a very superior variety and a heavier bearer.

Schley. Medium to large; 1½ to 1¾ inches long; oblong, slightly flattened; shell thin; plump, rich flavor; good grower; one of the best.

Stuart. Nut large to very large; 1¾ to 2¼ inches long; oblong; shell of medium thickness, and of very good cracking quality; kernel full, plump, of best quality; flavor rich and sweet; a good grower; heavy bearer; excellent.

Van Deman. Nut large to very large; from 1¾ to 2¼ inches in length, slender, pointed at both ends; shell of medium thickness; excellent cracking qualities; kernel full and plump; flavor good; vigorous grower; large foliage.

Small Fruits

Blackberries

Cultural Directions—Blackberries thrive on almost any soil, but the most desirable is a strong loam, retentive of moisture, tending toward clay rather than sand, but it must be well drained at all times. Fertilizers containing a good proportion of potash are the most desirable; too much humus or nitrogen will induce a rank growth of wood at the expense of the fruit. As a preventive of rust, spray with copper sulphate during the fall and winter, and with Bordeaux (4-6-50) during the spring and summer. The rows should be 6 to 8 feet apart, and the plants from 3 to 4 feet in the row, according to the character of the soil. If desired to cultivate both ways, set the plants in checks 6 to 7 feet each way. As soon as the fruiting season is past, remove the old canes; these should be burned at once. The young canes should be clipped off when they reach the height of about 2 feet; this will cause them to branch, and they will become self-supporting. Apply fertilizer during the late winter, and give shallow and constant cultivation.

Eldorado. Very hardy and vigorous. Berries large; borne in large clusters, and ripen well together; very sweet; no core. A heavy bearer, and valuable sort.

PRICES: 10 cents each; 75 cents for 10; \$2.00 for 50; \$3.00 per 100; \$20.00 per 1,000

Mersereau. A most valuable variety. Fruit of immense size. Early and enormous bearer; very hardy.

PRICES: 10 cents each; 75 cents for 10; \$2.00 for 50; \$3.00 per 100; \$20.00 per 1,000

Dewberries

Cultural Directions—Use short, stout stakes, driven at the end of each row of canes, with a cross-piece 18 inches long nailed to each stake, 2½ to 3 feet from the ground. On the top, near each end of these cross-pieces, drive a stout nail, slanting toward the stake, upon which to catch a wire. Two lines of No. 14 galvanized wire, one on each side of the row, are fastened to one end of the end stakes and run on the ground between the rows to the other end stake. These wires are now drawn as taut as possible and securely fastened to the other end of the row. The wires are now raised

and caught in the nails, thus holding all the canes closely together in the row.

Dewberries should be mulched to keep the berries from the ground.

Lucretia. One of the low-growing, trailing Blackberries. In size and quality it equals any of the tall-growing sorts. Hardy and very productive, with large, showy flowers. Fruit sweet and luscious; early.

PRICES: 10 cents each; 50 cents for 10; \$1.50 for 50; \$2.00 per 100

Raspberries

Cultural Directions. The same as for Blackberries and Dewberries. These thrive best in a deep, moist, well drained soil; the lighter loams are best for the red, and the heavy loams for the blackcaps. To make a success of Raspberries, the land should be able to withstand drought well. Cottonseed meal, pure ground bone, or fertilizers containing a good proportion of potash are best and should be liberally applied during the winter and early spring. To get the best results and keep the plants in vigorous condition, they must be mulched heavily with straw.

Columbia. Fruit resembles Shaffers' very large; purplish; vigorous and productive.

PRICES: Each 10 50 100 1000
Strong plants\$0.10 \$0.50 \$2.00 \$3.00

Cuthbert. Queen of the Market. This is the best and most reliable of the red-fruited varieties. Fruit large, red and of excellent quality, prolific bearer; ripens middle of May and continues for several weeks. Fine shipper.

PRICES: Each 10 50 100 1000
Strong plants ..\$0.10 \$0.50 \$1.50 \$2.00 \$15.00

Gregg. Blackcap. Very productive; large size.

PRICES: Each 10 50 100 1000
Strong plants\$0.10 \$0.50 \$2.00 \$3.00

St. Regis. RANERE. Berries large, bright crimson; flesh rich; wonderfully prolific; bears early; produces fruit through a long period. We have given this a thorough trial and consider it one of the best Raspberries ever sent out.

PRICES: Each 10 50 100 1000
Strong plants ..\$0.10 \$0.50 \$1.50 \$2.00 \$15.00

Grapes. Native Varieties

The varieties below described have been thoroughly tested by us. In addition we can supply a limited quantity of vines of several other good sorts. Our plants are strong and vigorous.

In transplanting Grapes, leave the main branch and cut this back to two or three eyes. The usual distance for planting Grapes is 10 by 10 feet. If you want to get good results from your Grapes, prune annually.

PRICES OF ASSORTMENT, OUR SELECTION OF VARIETIES:

10 strong vines in 10 best varieties for table use..... \$1.00
 100 strong vines in 10 best varieties for table use..... 8.00

Special quotations will be given for lots of 1,000 and upward.

FOR PURCHASER'S SELECTION. Not less than five vines of one variety will be charged at the rate for 10; not less than 40 vines of one variety will be charged at the rate for 100.

- Agawam.** ROGERS' No. 15. Large; dark red.
 10 cents each; 80 cents for \$10; \$5.00 per 100
- Amber.** Pale amber; long branches; berry medium; sweet; fine flavor.
 15 cents each; \$1.25 for 10; \$6.00 per 100
- Berckmans.** Bunch larger than Delaware, but not so compact. Berry one-third larger than Delaware, of same quality and color. Matures middle to end of July.
 15 cents each; \$1.25 per 10
- Brighton.** Bunch medium; berry large, reddish; skin thin; quality best. An excellent early table or market grape. Vigorous.
 15 cents each; \$1.25 for 10; \$6.00 per 100
- Catawba.** Bunch and berry large; deep red, with lilac bloom; juicy, vinous and of musky flavor.
 10 cents each; 80 cents for 10; \$5.00 per 100
- Concord.** Bunch and berry very large; blue-black, with bloom; skin thin; cracks easily; flesh sweet, pulpy, tender; quality good. Very prolific and a vigorous grower. One of the most reliable and profitable varieties for general cultivation.
 10 cents each; 80 cents for 10; \$5.00 per 100
- Delaware.** Bunch compact; berry medium; light red; quality best; moderate grower, but vine very healthy; very prolific and more free from disease than any other variety. The most popular Grape grown; unsurpassed for table and for white wine.
 15 cents each; \$1.25 for 10; \$6.00 per 100
- Diamond.** MOORE'S DIAMOND. Large; greenish white; juicy; little pulp and of very good quality. Yields abundantly; fruit perfect and showy. Ripens very early in July; the best very early white variety.
 15 cents each; \$1.25 for 10; \$6.00 per 100
- Diana.** Bunch large, compact; berry large, reddish lilac; sweet; very productive. Ripens about August 15 to 25.
 15 cents each; \$1.25 for 10; \$6.00 per 100
- Elvira.** Pale green; skin thin; sweet and juicy; one of the most reliable grapes for the mountain regions.
 10 cents each; 80 cents for 10; \$5.00 per 100
- Ives.** Bunch very large; berry large; blue; skin thick; flesh pulpy, sweet, very musky; vigorous grower and prolific bearer. Very hardy and popular as a wine grape.
 10 cents each; 80 cents for 10; \$5.00 per 100
- Knight.** Originated at Savannah, Ga. Bunch compact, berry medium, blue-black; very prolific; vigorous grower. Commences to ripen last of July, and fruit matures through a long period.
 15 cents each; \$1.25 for 10; \$6.00 per 100
- Lindley.** Bunch medium, loose; berry medium to large; color red; flesh tender; sweet; rich, aromatic flavor.
 15 cents each; \$1.25 for 10; \$6.00 per 100
- Lutie.** Sweet; very pulpy; skin tough; quality fair, but a very hardy and valuable variety.
 15 cents each; \$1.25 for 10
- Moore.** MOORE'S EARLY. Bunch medium; berry large, round; black, with heavy blue bloom; medium quality. Very early, desirable market sort.
 15 cents each; \$1.25 for 10; \$6.00 per 100
- Niagara.** Bunch and berry large; greenish-yellow; flesh pulpy, sweet, foxy. Its remarkable size and fine appearance give it much popularity as a market variety; vigorous and prolific.
 10 cents each; 80 cents for 10; \$5.00 per 100
- Progress.** Bunch large; berry medium, purple; pulp tender, vinous; an excellent table grape.
 15 cents each; \$1.25 for 10
- Salem.** ROGERS' No. 53. A strong, vigorous grower, berries large, color of Catawba; thin skin; sweet and sprightly.
 15 cents each; \$1.25 for 10; \$6.00 per 100
- Worden.** Resembles Concord, but is a few days earlier, and generally regarded as a better grape.
 15 cents each; \$1.25 for 10; \$6.00 per 100

Bullace or Muscadine Grapes

(Vitis Rotundifolia or Vulpina.)

This type is purely southern, and is of no value for the northern or western states. Vine is free from all disease. The fruit never decays before maturity. The product is very large, and the cultivation reduced to the simplest form. Plant from 20 to 30 feet in a row; train on an arbor or trellis.

PRICES:

Strong, 2-year, heavy, transplanted vines, 20 cents each; \$1.50 per 10; \$12.00 per 100

Flowers. Bunches have from 15 to 25 berries; black and of sweet, vinous flavor. Matures from end of September to end of October, or four to six weeks later than Scuppernong.

James. Berries very large; blue-black; in clumps of from 6 to 10; skin very thin; pulp tough, sweet and juicy, but not dissolving; quality very good. A showy variety. Ripens after Scuppernong.

Scuppernong. Berries large; seldom more than 8 to 10 in a cluster; color brown; skin thick, flesh pulpy, very vinous, sweet, and of a peculiar musky aroma. A certain crop may be expected annually. Vine is free from all disease and insect depredations. Fruit has never been known to decay before maturity. Wonderfully prolific. Popular wine grape; wine, when properly prepared, resembles Muscatel.

Thomas. Bunches from 6 to 10 berries; berries slightly oblong, large, violet, quite transparent; pulp tender, sweet and of a delightful vinous flavor. Best of the type. Very little musky aroma. Makes a superior wine grape. Matures middle to end of August.

Miscellaneous Fruits

Citrus Fruits

Citranges. These Citranges have been tested for a number of years, and in this section it is seldom that the foliage is injured by the cold. The leaves are trifoliate, but of large size; thus showing the blood of the Citrus trifoliata and the Orange. We offer strong, grafted plants of several named varieties as follows:

Morton, Rusk Willet and several other new varieties:

PRICES:

	Each	10
2-3 ft., well-branched.....	\$0.75	\$6.00
18-24 inches, well-branched.....	.50	4.00

ORANGES. SATSUMA, or OONSHU. This is the hardiest known Orange. The tree is of dwarf and drooping habit with a broad, spreading head, thornless. The fruit is of medium size, flattened like the Mandarin;

color deep orange; flesh tender and juicy, seedless. Ripens at Augusta in September or October. All of our Satsuma are grafted and budded upon Citrus trifoliata and are field-grown.

PRICES:	Each	10	100
18-24 inches	.....	\$0.75	\$5.00
12-18 in., branched	.....	.50	3.50 \$25.00

Elaeagnus (Japan Oleaster)

Elaeagnus edulis. (Longipes). Gumi fruit of the Japanese. A low-growing shrub. In early April produces very fragrant, reddish-yellow flowers which are immediately followed by bright red edible fruit, which is one-third of an inch in length; oblong, covered with minute white dots. This fruit makes an excellent jelly and marmalade; flavor is sharp, pungent, and rather agreeable; foliage light-green, silvery beneath. A beautiful ornamental shrub, almost evergreen.

PRICES:	Each	10	100
4-5 ft., very bushy	.....	\$1.00	\$8.00
3-4 ft., bushy	.....	.75	6.00
2-3 ft., well-branched	.....	.50	4.00 \$30.00
18-24 inches, well branched	.....	.35	3.00 20.00
12-18 inches, branched	.....	.25	2.00 17.50

E. Simonii. SIMON'S OLEASTER. This plant is evergreen, and is very ornamental. It bears edible fruit larger than that of *Elaeagnus edulis*. Matures here in March. Fruit is used for jellies, jams, etc.

PRICES:	Each	10	
15 to 18 in., very strong	.....	\$0.75	\$6.00
12 to 15 in., strong	.....	.50	4.00

Eriobotrya Japonica

Loquat: Japan Medlar; Biwa of the Japanese.

Eriobotrya Japonica. This plant is practically hardy in the Piedmont Zone, but is at its best in the Coastal Zone. Trees of medium height, with long, glossy, evergreen leaves; fruit bright-yellow, round or oblong, about the size of a Wild Goose Plum; borne in clusters from the end of February until May; seldom perfects fruit in this locality, but is very successful southward.

PRICES:	Each	10	
3-yr. plants, from pots, seedlings	.....	\$0.35	\$3.00
2-yr. plants, from pots, seedlings	.....	.25	2.25

Giant. Fruit four times as large as the common Japanese Medlar; foliage remarkably handsome.

PRICES:	Each	10	
Strong, 2 yr., grafted	.....	\$0.50	\$4.00

Mulberries

PRICES, except where noted:	Each	10	100
2-years, grafted, very heavy, branched, 8-10 ft.	.....	\$0.50	\$4.00
1-year, grafted, 7-9 ft., heavy	.....	.35	3.25 \$30.00
1-year, grafted, 5-7 ft.	.....	.25	2.25 20.00

Downing. Fruit of rich, subacid flavor; lasts six weeks. Stands winter of western and middle states.

Hicks. Wonderfully prolific; fruit sweet; excellent for poultry and hogs. Fruit produced during four months.

Stubbs. Originated in Laurens County, Georgia. A tree of fine growth, beautiful foliage; fruit is of enormous size, frequently two inches in length, quality excellent; lasts about two months; an extremely rare variety.

PRICES:	Each	10	
2-year, budded	.....	\$0.50	\$4.00
1-year, budded	.....	.25	2.00

Olives

Picholine Olives were quite extensively cultivated on the coast of Georgia and South Carolina, previous to the Civil War, and an excellent quality of oil was produced. Some of these plantings are still producing fruit which is used quite successfully for pickling. There is no reason why the industry should not be revived.

A peculiarity of the Olive is that it flourishes and bears abundant crops on rock and barren soils, where no other fruit trees are successful.

PRICES:	Each	10	100
18 to 24 inches, well-branched, from pots and open ground	.....	\$0.50	\$4.00 \$30.00
15 to 18 inches, from pots and open ground	.....	.35	3.00 25.00

Pomegranates

The Pomegranate is hardy in the gulf states and central sections of Georgia and the Carolinas. The plants will frequently attain a height of upward of 20 feet. It is of good form and foliage; bright scarlet flowers make it a most ornamental plant. It bears early and profusely. The demand for the fruit is increasing in eastern markets, and the Pomegranate is being grown in some sections on an extensive scale. The fruit carries well to distant markets.

PRICES:	Each	10	100
3-3 1/2 ft., very bushy	.....	\$0.50	\$4.00
2-3 ft., bushy	.....	.35	2.50 \$22.50

Paper Shell. A new variety from California. Extra fine quality. Will bear first year after transplanting. Skin very thin; hence the name Paper Shell.

Purple-Seeded. SPANISH RUBY. Large; yellow, with crimson cheek; flesh purplish crimson, sweet; best quality.

Rhoda. Large, thin skin; sweet; of good flavor.

Subacid. Very large; highly colored. Pulp juicy, subacid.

Sweet. Fruit very large; brilliantly colored.

Ornamental Department

Deciduous Shrubs

It is seldom that a home in the country, suburb or town cannot be improved in appearance and greatly enhanced in value by the judicious treatment of the grounds, irrespective of size; and for this purpose many flowering shrubs lend themselves most admirably. Shrubbery, properly planted and massed, is most effective in bringing out certain features of the lawn, to screen some unsightly building or object, or to break the outline of foundation walls.

Along the drive, the walk or the edge of the lawn, borders of shrubs may be planted that will give a succession of bloom from early spring until frost. Even after the leaves have dropped, the brilliant berries and branches of many varieties add cheer and color to the winter landscape. Frequently one finds a spot that suggests the use of an individual specimen—in such a case a variety should be selected that will develop symmetrically.

The demand for ornamental shrubs increases annually, and to meet this we have increased our plantings. Our acreage in ornamentals is larger than ever before, and we are in a position to supply many varieties in carload lots. In addition to the shrubs that are best adapted to the various sections of the South we grow many of the hardier kinds suited to the colder sections of the North and North-West.

AUGUSTA, GEORGIA.

PLANTING AND CULTIVATING SHRUBS.

The same directions for the preparation of the soil and planting as given for deciduous fruit trees on page 4 apply to the average deciduous shrub. We cannot, however, too strongly emphasize the necessity of keeping the ground free from weeds and grass, and loose by frequent stirring, after being planted.

Do not fail to properly prune your shrubs as soon as planted. The success of your plants depends upon proper pruning. All deciduous shrubs should be pruned annually. The tops and branches should be cut back one-third or one-half if necessary; all dead branches and weak growth should be removed, and care must be exercised not to cut off the blooming wood. All shrubs that flower on the previous year's growth should not be pruned until June or July, or after the blooming period has passed. To this class belong the Altheas, Cydonias, Deutzias, Forsythias, Philadelphus, Spiræa, etc., but such varieties as Ceanothus, Hydrangea, Lonicera, Lilac, etc., which produce flowers upon the young growth, should be pruned during winter. Do not fail to fertilize your shrubs at least once a year.

PRICES OF SPECIAL COLLECTIONS.

We will supply 10 shrubs in 10 varieties, standard size, our selection, for	\$ 1.50
Or 100 shrubs in 25 or 50 varieties, standard size, our selection, for	10.00
Or 10 shrubs in 10 varieties, extra heavy, our selection, for	2.00
Or 100 shrubs in 25 or 50 varieties, extra heavy, our selection, for	15.00

ALTHAEA FRUTEX. See Hibiscus Syriacus.

Amygdalis

Amygdalis triloba. (*Prunus triloba*). **DOUBLE FLOWERING PLUM.** A native of China; a very desirable, early-flowering ornamental shrub. Double flowers of a delicate pink shade are produced in enormous quantity along the slender branches. Blooms April 1st.

PRICES:	Each	10
3-4 feet	\$0.50	\$4.00
2-3 feet .....	.35	3.00

Azalea

Azalea calendulacea (*A. lutea*). **GREAT FLAME AZALEA.** This is one of our most magnificent native flowering shrubs, producing, about the middle of April, quantities of clusters of large flowers of many shades of yellow, orange, buff, and shades of red. The plant remains in bloom for several weeks. Some plants attain a height of from 6 to 8 feet. When planted in masses, its great beauty is brought out.

PRICES:	Each	10
2-2½ ft., strong clumps	\$1.75	\$15.00
18-24 in., clumps	1.25	10.00
18-24 in., well branched .....	.75	6.00
12-18 in., well branched .....	.50	4.00

A. nudiflora. **PINKSTER FLOWER; WOOD HONEYSUCKLE.** The well-known native variety which produces pinkish-white flowers in early April before the leaves appear.

PRICES:	Each	10
3-4 ft., heavy clumps	\$2.00	\$15.00
2-3 ft., heavy bushes .....	.75	6.00
18-24 in., well branched .....	.50	4.00

Berberis Barberry.

Berberis Thunbergii. **THUNBERG'S BARBERRY.** A dwarf shrub from Japan; leaves small, bright-green, changing in autumn to beautiful tones of orange, scarlet and crimson; yellow flowers produced in early April followed by red berries which are produced in great profusion and which last the entire winter. A popular plant for massing and for hedges.

PRICES:	Each	10	100
24-30 inches, very bushy	\$0.50	\$4.00	\$20.00
18-24 inches, bushy .....	.35	2.50	20.00
12-18 inches, well-branched .....	.25	2.00	15.00

B. vulgaris atro-purpurea. **PURPLE-LEAVED BARBERRY.** A form of the European Barberry, but with purple foliage; small, bright yellow flowers, borne in great profusion last of April; a most conspicuous plant; very effective when properly planted with other shrubs. This plant usually attains a height of from 5 to 6 feet.

PRICES:	Each	10	100
4-5 ft., very bushy	\$0.75	\$6.00	\$30.00
3-4 ft., very bushy .....	.50	4.00	30.00
2-3 ft., very bushy .....	.35	2.50	20.00
18-24 in., well branched .....	.25	2.00	15.00

B. Wilsonae. A valuable variety introduced by the Horticultural Explorer, Mr. E. H. Wilson. This is a very beautiful, new, low-growing, densely twiggy Barberry. Leaves grey-green, wedge-shaped; flowers yellow. These are followed by masses of Salmon-red fruit. In the autumn the leaves assume beautiful tints.

PRICES:	Each	10
15-18 inches, very bushy	\$0.50	\$4.00
12-15 inches, bushy .....	.35	3.00

Buddleia

PRICES:	Each	10	100
4-5 ft., very bushy	\$0.50	\$4.00	\$30.00
3-4 ft., well branched .....	.30	2.50	20.00



Buddleia Davidii Magnifica.

Buddleia Davidii magnifica. (*B. variabilis magnifica*). **BUTTERFLY BUSH.** Similar to *Buddleia variabilis Veitchiana*, but flowers of a deeper shade of violet; plant is also a taller grower; blooms from June until frost; very fragrant. The best *Buddleia* yet introduced.

B. Davidii Veitchiana. (*B. variabilis Veitchiana*). Another beautiful new shrub from China with very dark-green leaves; plant attains a height of from 6 to 8 feet; flowers violet with orange throat, borne in arching racemes 12 to 15 inches in length; commences to bloom in June and lasts until frost; very fragrant; a most desirable plant.

Callicarpa. French Mulberry.

Callicarpa americana. **FRENCH MULBERRY.** With purple berries, produced in clusters; very effective in fall and early winter. This beautiful native plant is not sufficiently appreciated.

PRICES:	Each	10
4-5 ft., heavy, well-branched	\$0.60	\$4.50
3-4 ft., well-branched .....	.50	3.50
2-3 ft., branched .....	.25	2.00

Calycanthus. Sweet Shrub.

Calycanthus floridus. (*Butneria florida*). SWEET OR STRAWBERRY SHRUB. The native sweet or brown shrub. Flowers double, chocolate-colored, very fragrant, blooms in early April and lasts for several weeks.

PRICES: Each 10
2-3 ft., well-branched \$0.35 \$2.50

CALYCANTHUS PRAECOX. See *Meratia praecox*.

Caryopteris. Blue Spiraea.

Caryopteris incana. (*C. mastacanthus*). BLUE SPIRAEA OR CHINESE BEARDWORT. A free-blooming, dwarf-growing shrub; flowers lavender-blue produced in great profusion about June 15th and lasts until autumn. Very effective for massing. In the colder sections this plant is treated as herbaceous.

PRICES: Each 10 100
24-30 inches, very bushy, field-grown \$0.50 \$4.00
18-24 inches, bushy, field-grown30 2.50 \$20.00

Cassia

Cassia macranthera. A free-flowering plant; perfectly hardy here. Large, orange-yellow, pea-shaped flowers, produced in great profusion from July until frost. Attains a height of from 6 to 8 feet. A most effective lawn plant.

PRICES: Each 10
Very bushy, 4-5 ft. \$0.50 \$4.00
Bushy, 3-4 ft.30 2.50

Cercis. Judas Tree.

Cercis Siliquastrum. A new form which originated in our Nursery. A large growing shrub or small tree; leaves heart-shaped, and, like the other *Cercis*, assume a yellow tone in autumn. This Judas Tree is the most profuse bloomer we have ever seen; deep lavender colored flowers, four times as large as that of our native Judas Tree. They are produced in large bunches, and when in full bloom, the tree is an entire mass of color. We have tested this variety for several years, and, in offering it, we are sure that it will become a great favorite. The original plant is about 15 feet in height.

PRICES: Each 10
6-8 ft., extra heavy, budded \$1.50 \$12.50
4-6 ft., extra heavy, budded 1.25 10.00
3-4 ft., well-branched, budded 1.00 8.00
2-3 ft., well-branched, budded75 6.00
18-24 inches, branched, budded50 4.00

Chilopsis

PRICES: Each 10
2 years, heavy \$0.25 \$2.00

Chilopsis linearis. FLOWERING WILLOW. A tall-growing shrub or small tree from southwest Texas; leaves linear; flowers lilac striped with yellow; lobes beautifully crimped; blooms continuously from April until frost. Does well in dry situations.

Chionanthus

Chionanthus virginica. WHITE FRINGE. A very ornamental native shrub. In early April the plant is literally covered with white, fringe-like flowers.

PRICES: Each 10
3-4 ft., large bushes \$0.75
2-3 ft., large bushes50 \$4.00
18-24 in., well branched35 3.00

CITRUS TRIFOLIATA. See *Poncirus trifoliata*.

Corchorus. Kerria.

Corchorus japonica fl. pl. GLOBE FLOWER; JAPANESE ROSE. A desirable shrub of spreading habit with double yellow flowers about an inch in diameter. Effective for massing, attains a height of about 6 to 8 feet. Blooms continuously from early April until frost.

PRICES: Each 10 100
3-4 ft., heavy clumps \$0.50 \$4.00
2-3 ft., well branched25 2.00 \$17.50

CRAPE MYRTLE. See *Lagerstroemia*.

Cydonia. Pyrus.

Cydonia japonica, JAPAN QUINCE or FIRE BUSH. Flowers vary from dark red to lighter shades of red, crimson salmon and pink. Commences to bloom early in January.

PRICES: Each 10 100
3-4 ft., heavy, well-branched... \$0.50 \$4.00
2-3 ft., well-branched..... .25 2.00 \$17.50

Deutzia

PRICES, except where noted: Each 10 100
5-6 ft., extra heavy \$0.60 \$5.00 \$30.00
4-5 ft., very heavy40 3.00 20.00
3-4 ft., heavy30 2.50 17.50
2-3 ft., well branched25 2.00 15.00

D. gracilis. Flowers pure white, bell-shaped; quite dwarf; is also valuable as a pot-plant for winter blooming in conservatory. Blooms early in April.

PRICES: Each 10 100
18-24 in., very bushy \$0.35 \$3.00 \$20.00
15-18 in., well branched25 2.00 17.50

D. gracilis rosea. Flowers single, outer petals pink; quite dwarf; blooms in early April.

PRICES: Each 10
18-24 inches, very bushy \$0.35 \$3.00
15-18 inches, well-branched25 2.00

D. Lemoinei. Flowers pure white; borne in great profusion on stout, upright branches; dwarf habit. A most desirable and satisfactory variety. Blooms early in April.

PRICES: Each 10 100
2-3 ft., very bushy \$0.35 \$3.00
18-24 in., bushy25 2.00 \$17.50

Deutzia Pride of Rochester. Double white, back of petals faintly tinted with pink; large panicles; blooms middle of April, and continues to bloom three or four weeks.

D. scabra crenata. SINGLE WHITE DEUTZIA. Flowers pure white, single, produced in great profusion in April. A tall grower.

D. scabra magnifica. A most beautiful new variety. A decided improvement on *D. Lemoinei*. Pure white flowers produced in great profusion middle of April. Medium grower.

PRICES: Each 10
3-4 ft., well branched \$0.35 \$3.00

D. scabra crenata flore plena alba. (*D. scabra candidissima*). Flowers pure white, double, produced in great abundance middle of April. A tall-growing variety.

D. scabra crenata flore plena rosea. DOUBLE PINK DEUTZIA. Same as *Deutzia crenata flore plena alba*, except that some of the outer petals are rosy purple. Very desirable; blooms last of April, or a little later than *Pride of Rochester*.

DOGWOOD. See *Cornus*.

Elaeagnus. Japanese Oleaster.

Elaeagnus longipes. (*E. edulis*). Gumi fruit of the Japanese. A low-growing ornamental shrub. In early April produces very fragrant, reddish-yellow flowers which are immediately followed by bright red edible fruit, which is one-third of an inch in length; oblong, covered with minute white dots. This fruit will make an excellent jelly and marmalade; flavor is sharp, pungent, and rather agreeable; foliage light-green, silvery beneath. A beautiful ornamental shrub, almost evergreen.

PRICES: Each 10 100
4-5 ft., very bushy \$1.00 \$8.00
3-4 ft., bushy75 6.00
2-3 ft., well-branched50 4.00 \$30.00
18-24 inches, well-branched35 3.00 20.00
12-18 inches, branched25 2.00 17.50

E. parvifolia. SILVER THORNE. A beautiful shrub of somewhat erect growth, branches slender; leaves long, narrow, light-green, silvery beneath. Very fragrant, yellowish-white flowers are produced in May, followed by attractive pink fruit. This is an excellent plant for birds.

PRICES: Each 10 100
4-5 ft., bushy \$0.50 \$4.00 \$25.00
3-4 ft., well-branched25 2.00 17.50

AUGUSTA, GEORGIA.

Euonymus

Euonymus Bungeanus. BUNGES' SPINDLE TREE. A tall-growing Chinese shrub; branches slender; leaves dark, shiny green; fruit bright red, very showy. Yellowish flowers produced in late spring. A most desirable deciduous shrub. Ultimate height 8 to 12 feet.

PRICES:	Each	10	100
4-5 ft., heavy	.....	\$0.50	\$4.00
3-4 ft., heavy	.....	.35	3.00
2-3 ft.	.....	.25	2.00

Exchorda. Pearl Bush.

Exochorda grandiflora (*Spiraea grandiflora*). A desirable, large, growing shrub, attains a height of from 8 to 10 ft. Large, pure white flowers produced in great profusion about middle of March. When in full bloom the plant has the appearance of a snow bank. When planted in a mass this plant is most conspicuous.

PRICES:	Each	10	100
3-4 ft., very heavy	.....	\$0.50	\$4.00 \$25.00
2-3 ft., heavy	.....	.35	3.00 20.00
18-24 in., well branched	.....	.25	2.00 15.00

Forsythia. Golden Bell.

PRICES:	Each	10	100
3 yrs., 3-4 ft., well branched	.....	\$0.35	\$3.00
2 yrs., 2-3 ft., well branched	.....	.25	2.00 \$17.50

Forsythia intermedia. HYBRID GOLDEN BELL. A tall variety with slender, arching branches; flowers golden-yellow, produced in great profusion. Attains a height of from 8 to 10 ft.; blooms in March.

F. suspensa. DROOPING GOLDEN BELL. A graceful variety with long, slender, drooping branches. Leaves dark, shining green; flowers yellow, produced in great profusion in March. Attains a height of 6 to 10 feet.

F. suspensa Fortunei. FORTUNE'S GOLDEN BELL. Similar to *F. suspensa*, but habit is more upright and vigorous. Flowers golden-yellow, frequently with twisted petals. A desirable variety. Grows to a height of 8 to 10 feet. Blooms in March.

F. viridissima. GOLDEN BELL. Flowers golden yellow, produced in great profusion last of February or early in March. Most effective when planted in large groups.

FRENCH MULBERRY. See *Callicarpa*.
GLOBE FLOWER. See *Corchorus*.

Hibiscus Rosa-sinensis

Perfectly hardy in South Florida. Blooms continuously.

PRICES:	Each	10	100
Very strong plants, from 3½ and 4-inch pots	.....	\$0.50	\$4.00 \$30.00
Strong plants, from 3-in. pots	.....	.25	2.00 15.00

Hibiscus aurantiaca. Large, double, salmon-colored flowers, with carmine center.

- H. cruentus.** Double; clear carmine. Free bloomer.
- H. Lambertii.** Vivid red; single.
- H. miniatus.** Vivid red; double.
- H. Peachblow.** A beautiful shade of pink; double.
- H. sub-violaceus.** Crimson-violet; semi-double.
- H. grandiflora.** Very large, single, red flowers.
- H. versicolor.** Crimson, mottled with white. Single.

Hibiscus Syriacus

(*Althaea frutex*). ROSE OF SHARON. The flowers are produced from May until September. When planted in masses of contrasting colors, the effect is most pleasing. The varieties we offer are nearly all of dwarf growth and are far superior to the old sorts.

PRICES:	Each	10	100
5-6 ft., grafted, very bushy	.....	\$0.75	\$6.00
4-5 ft., grafted, extra strong	.....	.50	4.00 \$30.00
3-4 ft., grafted, well-branched	.....	.40	3.00 25.00
2-3 ft., grafted, strong	.....	.25	2.00 15.00

Hibiscus amplissima. Double; deep rose-pink, with carmine center; medium grower; early bloomer.

H. coelestis. Single; deep violet-blue, with darker cen-

ter. A magnificent and distinct variety. Early and continuous bloomer. Dwarf. One of the best.

PRICES:	Each	10	100
2-3 ft., well-branched, grafted	.....	\$0.40	\$3.00 \$25.00
18-24 in., grafted, branched	.....	.25	2.00 15.00

H. double pink. Originated by us. Double pink, tinged lilac, crimson center; late bloomer; dwarf.

H. Duchess de Brabant. Double dark red; medium grower; late bloomer.

H. Granville. Semi-double; flesh with crimson center. Medium grower; early bloomer.

H. Jeanne d'Arc. The best double, pure white Althaea yet introduced. A tall grower; late bloomer.

H. Lady Stanley. Double; blush-white, with crimson center; medium grower; early bloomer.

H. Louis II. Semi-double; flesh with carmine center. Tall grower; late bloomer.

H. Meehanii (*Variegated-Leaved Althaea*). Robust habit, compact and somewhat dwarf. Leaves variegated; creamy white, with irregular margins and green centers. Flowers single, 3½ to 4 inches in diameter, of a satiny lavender sheen, and purple blotched at the base of each of the five petals; blooms from June until autumn.

PRICES:	Each	10	100
18 to 14 in., grafted, bushy	.....	\$0.40	\$3.00
12 to 18 in., grafted, branched	.....	.25	2.00

H. monstrosa. Semi-double; white; crimson center; tall grower.

H. puniceus roseus. Single; rosy-lilac, crimson center; large flowers; profuse bloomer; very handsome.

H. purpurea semi-plena. Originated by us. Flowers large, semi-double, violet, purple, crimson center; free-bloomer; tall.

H. rubra pleno. Double; rosy red, with crimson center; medium grower; very fine; late bloomer.

H. totus albus. Single; pure white; profuse bloomer. Very fine; dwarf grower; late bloomer.

PRICES:	Each	10	100
2 to 3 ft., grafted, branched	.....	\$0.40	\$3.00
18 to 24 in., grafted, branched	.....	.25	2.00 \$15.00

H. violacea semi-plena. Semi-double; deep purple-magenta, with crimson center; tall grower; late bloomer.

HONEYSUCKLE. See *Lonicera*.

Hydrangea

When given a rich, moist soil, where they are protected from the afternoon sun of summer, and the plants kept well enriched, there is nothing more attractive than a mass of well-developed specimen Hydrangeas. They are also very desirable when grown singly or in tubs. Several varieties, such as *monstrosa*, *Otakas* and *rosea*, vary in color from pale rose to blue. This variation is due to certain chemicals contained in the soil.

PRICES: except where noted.	Each	10	100
3 years, heavy, well-branched	.....	
24 to 30 inches	.....	\$0.50	\$4.00 \$30.00
2 yrs., strong, well branched	.....	
18 to 24 inches	.....	.35	3.00 25.00
Branched, 12 to 18 inches	.....	.25	2.00 18.00

Hydrangea arborescens grandiflora. A recent introduction of great value. Blooms very large, snowy white. A valuable acquisition, as it begins to bloom in April and lasts almost the entire summer. In form the panicles are similar to *H. hortensis*.

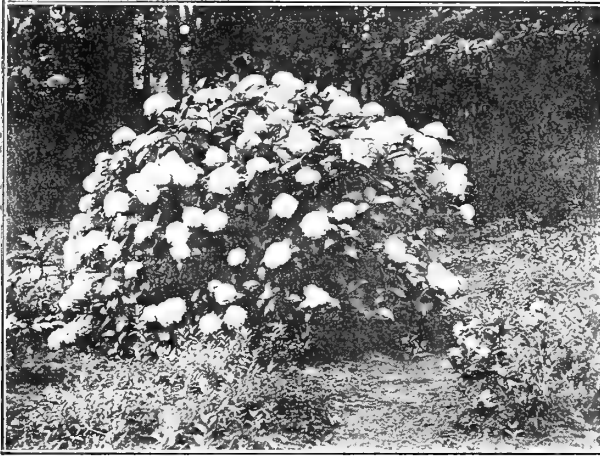
PRICES:	Each	10	100
2-3 ft., extra heavy	.....	\$0.50	\$4.00
18-24 in., heavy	.....	.35	3.00

H. avalanche. Large corymbs of pure white flowers. A splendid improvement on all other white sorts.

H. La Lorraine. (New). Very large flowers; pale rose, turning to bright pink; sometimes blue.

H. monstrosa. A very large-flowering variety; beautiful rose color, shaded white; in some soils pale rose or blue. A very decided improvement on *Otakas*.

H. opuloides Otaksa. An improved variety of *hortensis*; flower-heads very large; pale rose or blue, according to soil.



Hydrangea monstrosa.

H. opuloides cyanoclada. (*H. ramis pictis.*) RED-BRANCHED HYDRANGEA. With dark purple stems and large heads of rose or pale blue flowers, with lighter center. Blooms in early May.

H. paniculata grandiflora. Produces in July immense panicles of pure white flowers, which last for several weeks; a most valuable shrub. A large bed of this plant makes a most striking appearance. This shrub should be grown in rich ground and cut back severely during winter. It will then produce magnificent flower-heads.

PRICES:	Each	10	100
3-4 ft., well branched	\$0.50	\$4.00	\$30.00
2-3 ft., well branched	.35	3.00	25.00
18-24 in., well branched	.25	2.00	18.00

H. rosea. Vigorous habit. Flower-heads shaped like those of Thomas Hogg; freely produced. Color bright, rosy pink. Blooms in early May.

H. souv. de Claire. Somewhat similar to Otaksa, but with smaller heads of bloom, which are produced in great profusion. Bright pink.

H. Thomas Hogg. One of the best white-flowered varieties of the hortensis group. Flowers last several weeks. At first slightly tinted green, becoming pure white. Blooms in early May.

Hydrangea, Standard or Tree Form

Hydrangea paniculata grandiflora. These plants have been trained to a single stem, and have large, bushy heads. Conspicuous as single specimens on the lawn.

PRICES:	Each	10
4-5 feet	\$1.00	\$8.00
3-4 feet	.75	6.00

Hypericum

Hypericum Moserianum. GOLDEN ST. JOHN'S WORT. A beautiful dwarf shrub, attaining a height of one to two feet. In this section almost an evergreen; leaves dark-green; large, single, bright, golden-yellow flowers two inches in diameter; a very desirable plant; most effective when planted in masses. Blooms from early May throughout the entire summer.

PRICES:	Each	10
3 years, very heavy	\$0.35	\$3.00
2 years, well branched	.25	2.25 \$20.00

Jasminum. Jasmine.

Jasminum floridum. (*J. Subulatum, J. Reevesiana.*) A very desirable variety with flexuous branches and very pretty foliage. Golden-yellow flowers half an inch in diameter produced during summer. Hardy as far north as Washington.

PRICES:	Each	10
2 years, well branched	\$.035	\$2.50

J. nudiflorum. NAKED-FLOWERED JASMINE. A very graceful, hardy, drooping shrub with dark-green bark which gives the plant the appearance of being evergreen; leaves dark-green; bright yellow flowers freely produced in early January and continuing for some time. One of the first plants to bloom. Hardy at New York.

PRICES:	Each	10	100
2-3 ft., very heavy	\$0.35	\$2.50	\$20.00
18-24 inches, well-branched	.25	2.00	17.50

Lagerstroemia. Grape Myrtle.

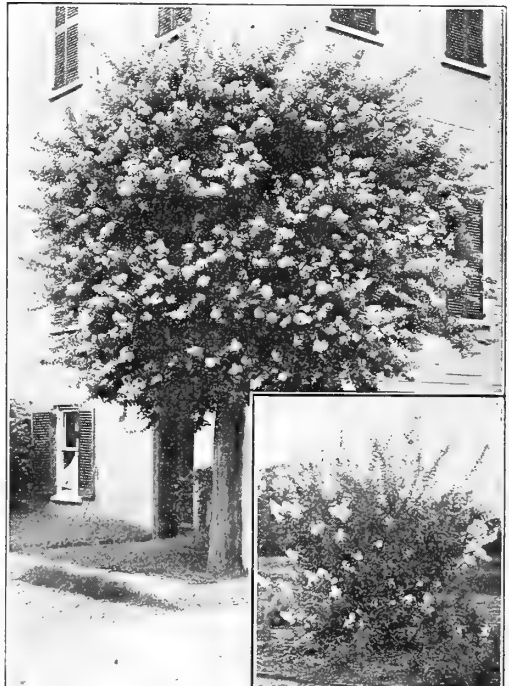
Lagerstroemia indica. CRAPE MYRTLE. A very popular and free flowering shrub, or small tree, which produces blooms in great abundance throughout the summer. The flowers are beautifully fringed and are borne in large clumps. A massing of these, or a single specimen, makes a most striking effect. Commences to bloom in May. We offer three colors—White, Crimson and Pink.

PRICES:	Each	10	100
5-6 ft., well branched	\$1.00	\$8.00	
4-5 ft., well-branched	.75	6.00	
3-4 ft., well branched	.50	4.00	\$30.00
2-3 ft., well branched	.35	3.00	25.00
18-24 in., strong	.25	2.00	18.00

Lagerstroemia. Grape Myrtle.

Tree Form.

We offer a limited quantity of Crimson Grape Myrtle in tree form; 7 to 9 feet high, trunks from 3 to 3½ feet; well formed heads. \$2.00 each.



Grape Myrtle.

AUGUSTA, GEORGIA.

Ligustrum. Privet.

Ligustrum amurense. Deciduous northern form of Amoor River Privet. This is a very hardy form, of upright growth, similar to the California Privet, but much harder than that variety. Very desirable for hedge or planting in groups. This Privet must not be confused with the evergreen or southern form of *Ligustrum amurense*.

PRICES:	Each	10	100
3-4 ft., well-branched	.....	\$0.35	\$3.00
2-3 ft., well-branched	.....	.25	2.00 \$15.00

L. ovatifolium. CALIFORNIA PRIVET. Growth erect; leaves larger than *L. amurense*, but not equal to it as a hedge plant. It is grown North and West in large quantities.

PRICES:	Each	10	100	1000
4-5 ft., very bushy, 4 years	.....	\$0.50	\$4.00	
3-4 ft., bushy, 3 years	.....	.25	2.00	\$15.00 \$100.00

Lonicera

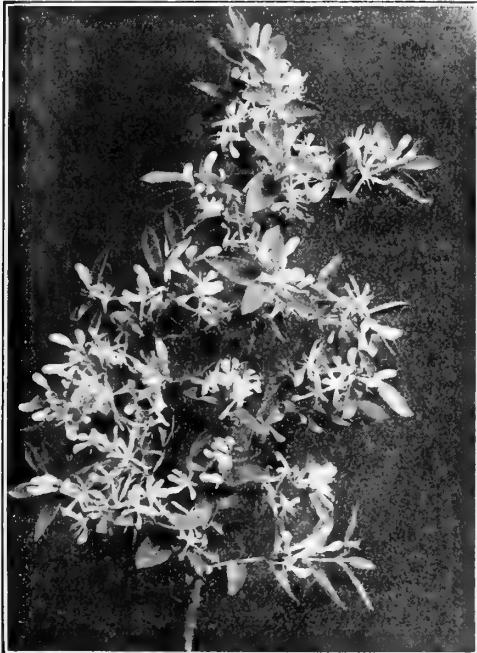
Lonicera. HONEYSUCKLE. Bush or Upright Form. These plants are vigorous growers and free bloomers, and are readily cultivated.

PRICES:	Each	10	100
3-4 ft., bushy	.....	\$0.50	\$3.50
2-3 ft., bushy	.....	.35	3.00 \$20.00
18-24 inches, well-branched	.....	.25	2.00 15.00

Lonicera bella. Hybrid variety; abundance of pinkish white flowers in early spring, followed by yellow fruit.

L. fragrantissima. CHINESE FRAGRANT UPRIGHT HONEYSUCKLE. Very strong growing variety; very fragrant, small white flowers appear in early February before the leaves; foliage is retained until late winter; sometimes in sheltered positions all winter.

L. grandiflora rosea. A variety of medium growth; fine foliage, producing in early April beautiful pink flowers; a very distinct variety.



Lonicera Morrowii.

L. Morrowi. JAPANESE BUSH HONEYSUCKLE. A Japanese variety, producing early in April a profusion of white flowers, followed by a mass of bright red fruit.

L. Ruprechtiana. MANCHURIAN HONEYSUCKLE. Flowers pure white. Blooms in March and lasts six weeks; berries red or yellow. A very showy variety.

L. tartarica. TARTARIAN HONEYSUCKLE. A large-growing variety with dark-green foliage, and pink colored flowers in April, followed by crimson fruit.

Meratia

Meratia Praecox. (*Chiomanthus fragrans. Calycanthus Praecox*). ORIENTAL SWEET SHRUB. A Japanese shrub, producing exquisitely fragrant yellow flowers, usually about January 1st, and lasting for about four weeks. The flowers appear before the leaves, and when in full bloom it is a most pleasing plant. It blooms at a period when our gardens are scarce of flowers.

PRICES:	Each	10	100
4-5 ft., very bushy	.....	\$1.00	\$8.00
3-4 ft., very bushy	.....	.75	5.00
2-3 ft., well-branched	.....	.50	3.50 \$25.00
18-24 inches, branched	.....	.30	2.50 20.00

PEARL BUSH. See *Exochorda*.

Philadelphus. Syringa or Mock Orange.

Very handsome and vigorous growing shrubs with large foliage and beautiful flowers, which are produced in great profusion the latter part of April and early May.

PRICES: except where noted.	Each	10	100
5-6 feet extra heavy	.....	\$0.75	\$5.00 \$35.00
4-5 feet very heavy	.....	.50	4.00 25.00
3-4 feet very heavy	.....	.35	3.00 20.00
2-3 feet well-branched	.....	.25	2.00 15.00

Philadelphus bouquet blanc. A fine new variety with semi-double white flowers; very free bloomer.

PRICES:	Each	10	
2-3 feet, heavy	.....	\$0.35	\$3.00
18-24 inch, heavy	.....	.25	2.00

P. conquette. A very desirable new variety with large sweet-scented flowers; dwarf grower.

PRICES:	Each	10	
2-3 feet	.....	\$0.35	\$3.00
18-24 inches	.....	.25	2.00

P. coronarius. GARLAND OR SWEET SYRINGA. Flowers pure white, very sweet, produced in great profusion.

P. grandiflorus. A conspicuous variety, with very large white flowers.

P. laxus. Very large white flowers produced in clusters in May, after all other varieties of *Philadelphus* have finished blooming; foliage very large and distinct. This is a very fine and desirable variety.

P. lemoinei grandiflora fl. pl. HYBRID MOCK ORANGE. A desirable new variety, with small, bright-green leaves, 1 to 2 inches in length; very fragrant, semi-double white flowers are borne in dense clusters which cover the entire plant. A very dwarf grower. Most effective in masses.

PRICES:	Each	10	
12-15 in., very bushy	\$0.25	\$2.00

P. lewisii. (*P. Gordonianus*). GORDON'S MOCK ORANGE. A variety attaining a height from 10 to 12 feet, leaves broad, bright-green; pure white flowers produced in dense racemes; blooms late.

P. souv de Billard. Leaves broad, beautiful flowers. late bloomer.

PRICES:	Each	10	
2-3 ft., well-branched	.....	\$0.35	\$3.00
18-24 inches, well-branched	.....	.25	2.00

Poncirus

Poncirus trifoliata. (*Citrus trifoliata*). HARDY ORANGE. As an ornamental-flowering plant, few are more desirable. The plant attains a height of 10 to 15 feet, and is very bushy and thorny; foliage trifoliate, retained quite late, but is not an evergreen here; however, the vivid green wood gives it an evergreen ap-

pearance during winter. In early March the plant is covered with a mass of large, single, white flowers, and a second and third crop of blooms, of smaller size, are produced during summer. The bright golden fruit is retained during winter, which makes this plant a showy garden feature. It is also an excellent hedge plant.

PRICES:	Each	10	100
Strong, well branched, 2-3 ft.			
3 years	.....	\$0.25	\$2.00 \$15.00

For smaller sizes, see under Hedge Plants, page 43.

Prunus

Double-Flowering Almonds.

PRICES: Except where noted.	Each	10	
2-3 feet, well-branched, budded	.....	\$0.50	\$4.00
18-24 inches, branched, budded	.....	.35	3.00

Prunus japonica flore ploena alba. (*Amygdalis Pumila*). DWARF DOUBLE WHITE ALMOND. A beautiful dwarf shrub, producing in early spring, before the leaves appear, a mass of small double white flowers. One of the best of the early flowering shrubs.

P. japonica flore ploena rubra. (*Amygdalis Pumila*). DWARF DOUBLE PINK FLOWERING ALMOND. Same as the double white Almond, except the flowers are double rose. A very beautiful shrub.

PRUNUS TRILOBA. See *Amygdalis triloba*.

Punica Pomegranate.

Very valuable, summer-flowering, tall-growing shrubs. Perfectly hardy in the South. Flowers are produced in great profusion very early in May, and last almost during the entire summer. Foliage bright, lustrous green. Very conspicuous and desirable.

PRICES:	Each	10	100
4-5 ft., extra heavy	.....	\$1.00	\$8.00
3-4 ft., very heavy, well-branched	.....	.50	4.00 \$30.00
2-3 ft., branched	.....	.25	2.00 17.50

Punica Granatum alba. Double; white.

P. Granatum rubra. Beautiful, double-red flowers.

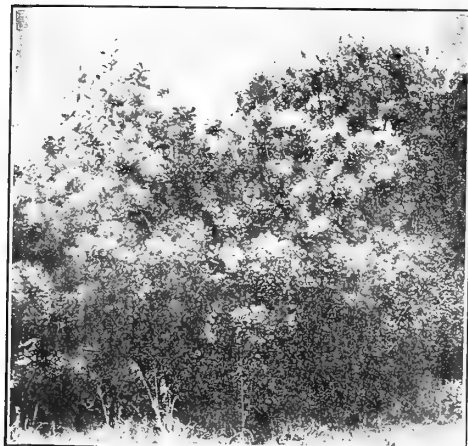
P. Granatum variegata. Sometimes double-red and double-variegated blooms will appear on the same plant.

PYRUS JAPONICA. See *Cydonia*.

Rhodotypus. Kerria.

Rhodotypus kerrioides. WHITE KERRIA. A beautiful and distinct Japanese shrub, attaining a height from 4 to 6 feet; large leaves; white flowers an inch or more in diameter freely produced middle of April, followed by black berries which are retained during the winter.

PRICES:	Each	10	100
3-4 feet, very bushy	.....	\$0.40	\$3.50
2-3 feet, bushy	.....	.35	2.50 \$20.00
18-24 inches, well-branched	.....	.25	2.00 17.50



Rhus Cotinus.

Rhus. Sumac.

Rhus Cotinus. PURPLE FRINGE or SMOKE TREE. Greatly admired for its cloud-like masses of very delicate flowers, which appear the last of April and cover the entire plant during the summer. From a distance the plant appears like a cloud of smoke.

PRICES:	Each	10	100
6-8 ft., well-branched	.....	\$1.00	\$8.00
5-6 ft., well-branched	.....	.75	6.00 \$45.00
4-5 ft., branched	.....	.50	4.00 30.00
3-4 ft., branched	.....	.25	2.25 17.50

Robinia. Locust.

Robinia hispida rosea. ROSE or MOSS LOCUST. A native dwarf shrub, usually 2 to 3 feet high; very showy, rose-colored flowers produced in racemes during April. A very attractive and showy plant.

PRICES:	Each	10	
4-5 feet, very heavy	.....	\$0.75	\$6.00
3-4 feet, well-branched	.....	.50	4.00
2-3 feet, branched	.....	.25	2.25

Rosmarinus. Rosemary.

Rosmarinus officinalis. A shrubby evergreen with blue flowers borne in the axils of the leaves; one of the old favorites among aromatic shrubs. Very effective in a border or for planting in clumps. Will be cut back to 6 inches to facilitate transplanting.

PRICES:	Each	10	
18-24 inches, very bushy	.....	\$0.35	\$3.00
12-18 inches, bushy	.....	.25	2.00

Salvia

Salvia Gegggi. HARDY EVER-BLOOMING SALVIA. This is native of Western Texas, and is, therefore, extremely hardy; it can stand zero weather and resists drought. It begins to bloom in early spring and lasts until the blooms are killed by frost, in the fall; the flower is carmine; plant grows to a height of 3 to 4 feet and a corresponding width; very effective for massing; a most satisfactory plant.

PRICES:	Each	10	
Strong, field-grown, 2-3 ft., very bushy	.....	\$0.50	\$4.00
Strong, field-grown, 18-24 in., bushy	.....	.35	3.00

Spiraea

PRICES: Except where noted.	Each	10	100
5-6 ft., extra heavy, bushy	.....	\$0.75	\$6.00 \$40.00
4-5 ft., very heavy, bushy	.....	.50	4.00 30.00
3-4 ft., very heavy, well-branched	.....	.35	3.00 20.00
2-3 ft., well-branched	.....	.25	2.00 15.00

SPRING BLOOMING SPIRAEAS.

Spiraea prunifolia flore pleno. BRIDAL WREATH. A beautiful, early-blooming variety, with small, double white flowers. Commences to bloom early in March.

S. Reevesiana. REEVES' SINGLE SPIRAEA. Produces large clusters of single white flowers, covering the entire bush; flowers very free in early spring; blooms just before *Spiraea Reevesiana* fl. pl.

S. Reevesiana flore pleno. (*S. Cantonensis flore pleno*). With large, round clusters of double white flowers which cover the entire plant. Blooms latter part of March and continues for several weeks.

S. Thunbergii. COMMON SNOW GARLAND. A very beautiful dwarf variety with many slender branches forming a dense bush. The leaves in autumn assume brilliant shades of orange and scarlet. Commences to bloom first of March and lasts for some time. Most desirable for a low hedge and for massing.

PRICES:	Each	10	100
2-2½ ft., very bushy	.....	\$0.50	\$4.00 \$30.00
18-24 in., very bushy	.....	.35	3.00 20.00
12-18 in., bushy	.....	.25	2.00 15.00

S. Van Houttei. VAN HOUTTE'S SPIRAEA. A graceful shrub, growing 6 to 8 feet in height. Produces a profusion of single white flowers during the latter part of March. One of the most popular Spiraeas.

P. J. BERCKMANS CO.

SPIRAEA—(Continued)

PERPETUAL BLOOMING SPIRAEAS.

Spiraea Anthony Waterer. CRIMSON SPIRAEA. An improvement upon *S. Bumaldi*. A remarkably free-flowering shrub, with upright branches. Attains a height of about 3 feet. Leaves bright green, with frequent variegations of yellow. If blooms are cut off as soon as they begin to fade, the plant will bloom the entire season. Makes a low-growing hedge.

PRICES: Each 10
15-18 in., very bushy.....\$0.35 \$3.00
12-15 in., very bushy......25 2.00

S. Billardi. BILLARD'S SPIRAEA. A tall-growing variety. Flowers bright pink, produced in long dense panicles; commences to bloom in May and lasts throughout the summer. Very showy.



Spiraea Van Houttei.

S. callosa alba. FORTUNE'S DWARF WHITE SPIRAEA. Flowers white, of very dwarf growth. Commences to bloom early in April.

PRICES: Each 10 100
12-18 in., very bushy.....\$0.35 \$3.00
8-12 in., very bushy......25 2.00 \$15.00

S. Fortunei. A variety with very large leaves, which are tinted royal purple, making the plant very conspicuous. Very effective for a border or for planting in groups.

PRICES: Each 10 100
18-24 inches, very bushy.....\$0.35 \$3.00
12-18 inches, very bushy......25 2.00 \$15.00

S. Froebeli. A fine, free-growing sort; rosy-colored flowers, produced last of April in large, flat heads. The young foliage tinted dark red.

PRICES: Each 10 100
2-3 ft., heavy clumps.....\$0.50 \$4.00
18-24 inches, very bushy......35 3.00 \$20.00
12-18 inches, very bushy......25 2.00 15.00

Staphellea. European Bladder Nut.

Staphellea pinnata. JOB'S TEARS. Upright shrub, sometimes attaining a height of 15 feet. Large leaves; white flowers produced on drooping racemes in May.

PRICES: Each 10
2-3 feet.....\$0.40 \$3.00
18-24 in., branched......25 2.00

Stephanandra

Stephanandra flexuosa. A very graceful and desirable shrub, attaining a height of 3 to 4 ft., with spreading, drooping branches; leaves serrated. At the time of unfolding these are tinted with red. During the summer the leaves are of a deep glossy green, and

in autumn tones of reddish-purple are assumed. White flowers in soft feathery racemes are produced in May.

PRICES: Each 10
18-24 inches, bushy.....\$0.25 \$2.00

Stuartia.

Stuartia virginiana. A tall growing deciduous shrub, bearing large white flowers with purple center. One of the showiest of the species. Very desirable.

PRICES: Each
18-24 inches, branched.....\$0.50

Styrax. Storax.

Styrax japonica. JAPANESE STORAX. A beautiful Japanese shrub with spreading branches and bright-green leaves; fragrant white flowers produced in drooping racemes middle of April. This shrub attains a height of from 8 to 12 feet. It is a most desirable variety, and should be in every collection.

PRICES: Each 10
5-6 ft., very heavy, well-branched.....\$1.25
4-5 ft., heavy, well-branched......75 \$6.00
3-4 ft., heavy, branched......50 4.00
2-3 ft., branched......35 3.00
18-24 inches, branched......25 2.00

ST. JOHN'S WORT. See *Hypericum*.

SWEET SHRUB. See *Calycanthus*.

Symphoricarpos

Symphoricarpos vulgaris. CORAL BERRY. A native shrub, growing naturally from New York to Texas; 4 to 6 feet tall. Purplish red berries are produced in great profusion. They remain upon the plant all winter, making it especially desirable for landscape planting.

PRICES: Each 10 100
2-3 ft., well-branched.....\$0.35 \$3.00
18-24 inches, well-branched... .25 2.00 \$15.00

Syringa. Lilac.

These old-fashioned shrubs have been popular for ages. Our collection embraces some of the old as well as the cream of the new European sorts. By a judicious selection you can have the blooming period of the Lilac extended over a month. The first blooms appear here the latter part of March. The Lilac will give the best results in fertile soils, moderately moist, but well drained.

PRICES: Except where noted. Each 10 100

Budded Plants.

3-4 ft., very heavy, well-branched.....\$0.60 \$4.50
2-3 ft., heavy, branched......50 3.00 \$25.00
18-24 in., branched......25 2.00 17.50

Syringa pekinensis. CHINESE LILAC. This is a very large growing variety, and can almost be termed a tree as it attains a height of 15 to 20 ft. Large panicles of small, creamy-white flowers are produced in great profusion about the last of April, and continue to bloom for about six weeks.

PRICES: Each 10 100
6-7 ft., extra heavy bushes.....\$1.50 \$10.00
5-6 ft., extra heavy.....1.00 8.00
3-4 ft., heavy......50 4.00

SYRINGA VULGARIS. Single Flowering Named Varieties.

Charles X. Strong grower. Trusses large, reddish purple.

Frau Dammann. A fine white, with large panicles of flowers of medium size; an early bloomer.

Lovaniensis. Silvery pink; a distinct and beautiful shade; large panicles.

Ludwig Spath. Dark purplish red. Very distinct.

Marie Le Graye. Large panicles of single white flowers. One of the finest white lilacs.

Prof. Stockhardt. Lavender; large trusses; extra early. An extra good sort.

Uncle Tom. Large spikes of single flowers; very dark purple; one of the darkest of all Lilacs.

SYRINGA—(Continued)

DOUBLE FLOWERING NAMED VARIETIES.

- Alphonse Lavallee.** Blue, shaded violet; large panicles; a good sort.
- Charles Joly.** Very dark reddish purple; excellent.
- Comte de Jessieu.** Lilac-blue; very fine.
- Comte Horace de Choiseul.** Porcelain-blue in bud; white when open. Large trusses; profuse bloomer.
- Dr. Masters.** Clear lilac; superb.
- Emile Lemoine.** Rosy lilac; very large and beautiful.
- Jeanne d'Arc.** Very large spikes, with pure double white flowers; very fine.
- La Tour d'Auvergne.** Flowers very large; violet-purple. Extra good; a profuse bloomer.
- Louis Henri.** Rosy lilac; extra fine; blooms early.
- Mme. Casimir Perier.** Beautiful white flowers in large and compact panicles. One of the most prolific.
- Matthieu de Dombasle.** Reddish mauve; buds purplish.
- Michael Buchner.** Pale lilac; very large panicles.
- Pres. Carnot.** Pale lilac. A fine, early bloomer.
- Pyramidalis.** Pale lilac; carmine in bud. An extra fine, profuse bloomer.
- Renoncule.** Purplish lilac. A free bloomer; extra fine.

Tamarix. Tamarisk.

Tall-growing shrubs, with slender branches and small, delicate leaves which resemble the cypress. Flowers small, pink, produced in great abundance. An excellent plant for the seashore.

PRICES: Except where noted.	Each	10	100
6-8 feet, very heavy, well-branched	\$0.60	\$5.00	\$40.00
5-6 feet, very heavy, well-branched .....	.50	4.00	30.00
4-5 feet, well-branched .....	.25	2.00	15.00

Tamarix gallica. FRENCH TAMARISK. Foliage light, glaucous green; flowers pink in summer.



Wiegela.

T. hispida aestivalis. The finest of all Tamarisks. Commences to bloom in early May, and, if kept in a vigorous condition, continues throughout the entire summer. Foliage bright green; flowers bright carmine-pink. Very scarce.

PRICES:	Each	10
3-4 ft., well-branched	\$0.50	\$4.00
2-3 ft., branched .....	.25	2.00

T. juniperina. (*T. plumosa*). JAPANESE TAMARISK. Of medium height; foliage very graceful and feathery; a beautiful variety; blooms early in April.

PRICES:	Each	10	100
5-6 ft., very heavy, well-branched	\$0.60	\$5.00	\$40.00
4-5 ft., very heavy, well-branched .....	.50	4.00	30.00
3-4 ft., branched .....	.25	2.00	15.00

T. odessana. CASPIAN TAMARISK. A new variety, with pale rose flowers, blooming earlier than *T. Gallica*.

Viburnum. Snowball.

Viburnum dentatum. ARROW-WOOD. A strong growing, handsome, upright shrub. Foliage dark, glossy green. Produces, during April and May, umbels of pure white flowers, followed by clusters of crimson berries, which later change to black. A splendid shrub.

PRICES:	Each	10
18-24 inches, branched	\$0.25	\$2.00



Lilac.

AUGUSTA, GEORGIA.

VIBURNUM—(Continued)

V. Opulus. HIGH-BUSH CRANBERRY. A tall shrub, with spreading branches. Flowers single white, produced in flat clusters in latter part of April. Berries scarlet; these remain all winter. Very showy.

PRICES:	Each	10	100
3-4 feet, very bushy	\$0.50	\$4.00	
2-3 feet, well-branched .....	.35	2.50	\$20.00
18-24 inches, branched .....	.25	2.00	15.00

V. Opulus sterile. COMMON SNOWBALL. GUELDER ROSE. Produces large, globular clusters of white flowers in early April. An old favorite.

PRICES:	Each	10	100
2-3 ft., heavy, well-branched...	\$0.50	\$3.00	\$27.50
18-24 inches, branched .....	.25	2.00	17.50

V. tomentosum plicatum. JAPANESE SNOWBALL. A beautiful variety of upright, bushy growth; produces heads of white flowers in great profusion. Far superior to the old Snowball. Blooms early in April; lasts several weeks.

PRICES:	Each	10	
2-3 ft., heavy, well-branched.....	\$0.50	\$4.00	
18-24 inches, branched .....	.35	3.00	

Vitex. Chaste or Hemp Tree.

PRICES:	Each	10	100
5-6 ft., very bushy	\$0.75	\$6.00	
4-5 ft., very bushy .....	.50	4.00	
3-4 ft., well-branched .....	.35	3.00	\$25.00
2-3 ft., branched .....	.25	2.00	15.00

Vitex Agnus castus. This is a valuable shrub, or medium growing tree. Flowers in spikes, blue color, blooming early in May and lasting for a long time.

V. Agnus castus alba. Same as above, but with white flowers. A very desirable shrub.

WHITE FRINGE. See Chionanthus.

Weigela. Diervilla.

Hardy, profuse-blooming shrubs of spreading habit. These are among the showiest of the garden shrubs, producing in early April great masses of showy flowers.

PRICES:	Each	10	100
3-4 ft., bushy	\$0.40	\$3.00	
2-3 ft., well-branched.....	.25	2.25	\$20.00

Weigela candida. Pure white; excellent.

W. hybrida Eva Rathke. Flowers deep carmine-red; profuse bloomer and continues in bloom for a long time.

W. rosea. Flowers are light pink, compact grower, free bloomer.

Herbaceous Plants

Iris

Iris germanica GERMAN IRIS OR FLAG. The German Iris is one of our most desirable early spring-blooming plants. It is a vigorous grower and is of easy cultivation. Flowers are large and conspicuous. The colors are white, blue, purple, yellow, and variously veined and striped. Every garden should contain a collection of these Flags. Ten distinct named varieties.

PRICES: Strong roots, 15 cents each; \$1.25 for 10; \$10.00 per 100.

Iris laevigata. (*I. Kaempferi*). JAPANESE IRIS. These handsome spring-blooming plants are becoming popular. They begin blooming about the middle of April and continue in bloom for five or six weeks. Many of the blooms have a diameter of from 8 to 12 inches, and are of various colors—white, purple, violet, mauve, magenta, variously marked and penciled. They are invaluable in herbaceous plantings; are extremely hardy and easily cultivated. Most effective where planted along the borders of ponds or streams. If the flower-stalks are cut just as the buds are ex-

panding, and taken indoors, the flowers will last a long time, and as one flower fades another bud will open until all have shown their beautiful colors. With proper attention, this Iris will give a wealth of bloom and color. Twelve of the best named sorts.

PRICES: 25 cents each; \$2.00 for 10; \$17.50 per 100.

Peonies

Peonies, herbaceous. The varieties we offer have been thoroughly tested in this locality and have given most satisfactory results. We offer twelve to fifteen best sorts, double and single, white and several shades of pink, rose and red. Peonies do best in rich, rather moist, loamy soil, and if plants are protected from the hot afternoon sun, they will give excellent results. They should have a liberal supply of water at all times, especially when in bloom during April and May. Fertilize well with cow manure. Keep the ground well cultivated. If these few simple directions are carried out, the result will be most satisfactory. Plant during fall.

PRICES: 40 cents each; \$3.50 for 10; \$30.00 per 100.

Deciduous Trees

The intelligent tree planter readily appreciates the difference in value between a tree dug in the forest and one taken from our nursery where it has received proper care during the first years of its life. The one is tall, slender and with only a small top; the other is sturdy, with well-developed trunk and a top that is a promise of its future beauty and usefulness as a shade tree. All of our trees have been transplanted several times and plenty of room for development allowed in the row. The root-system is perfect, and, when our nursery-grown trees are properly set and pruned, there should be no loss.

Directions for Planting and Pruning. Before setting out, cut off the broken or bruised roots, should there be any. Trees with branching heads should have the smaller branches cut out, and the larger branches cut back to within three or four buds of their base; but, when a tree has an abundance of roots, and a small top, and few branches, then the pruning need not be so severe. However, when the roots are small and the top heavy, then prune the tree severely. In many cases remove every lateral limb, preserving only the leader, and this, if too long, may be cut back to the proper height. Frequently large trees are transplanted without pruning. This neglect will often cause the tree to die. Dig the hole intended for the tree of ample size, so when the young roots start out they will have soft ground in which to grow. The best fertilizer is well-rotted stable manure, thoroughly mixed with the soil.

Plant about two inches deeper than the tree originally stood in the nursery row, using the top soil for filling in around the roots. See that every interstice around the roots is thoroughly filled, and that every root is over the circumference of the hole. Keep free from grass and weeds, and loosen up the soil occasionally, brought into contact with the soil. When the hole is nearly filled, pour in a bucket of water, so as to set the soil around the roots, then fill in the balance of the hole and press the dirt gently with the foot. When the tree is planted, mulch with five to six inches of well-decomposed stable manure, or rotted leaves; this should extend

AUGUSTA, GEORGIA.

ACACIA. (Mimosa). See Albizzia.

Acer. Maple.

Acer dasycarpum. (*A. saccharinum*). SILVER OR WHITE MAPLE. A native species. A desirable, rapid-growing shade tree. Foliage bright green and silvery white beneath. Attains a height of 50 to 60 feet. Should not be confused with the Silver Poplar, or European Aspen, which throws up many shoots from the roots.

PRICES:	Each	10	100
15-18 ft. specimens, 3-3½ inch caliper	\$7.50		
12-15 ft. specimens, 2-2½ inch caliper	3.00	\$25.00	
12-15 feet specimens, 1½-2 inch caliper	2.00	15.00	
10-12 ft. specimens, 1½-1¾ inch caliper	1.25	10.00	
8-10 ft. specimens, 1¼-1½ inch caliper	1.00	8.00	
8-10 ft. specimens, 1-1¼ inch caliper .....	.75	5.00	\$40.00
6-8 ft. specimens, ¾-1 inch caliper .....	.50	4.00	30.00

A. dasycarpum Wierii. WIER'S CUT-LEAF SILVER MAPLE. This is a beautiful form of the Silver Maple. Leaves deeply cut and delicately divided; branches drooping, frequently touching the ground. A rapid grower and a very effective and popular variety for lawn and park planting. Height. 35 to 40 feet.

PRICES:	Each	10	100
8-10 ft., budded, well-branched, 1-1½ inch caliper	\$1.25	\$10.00	
6-8 ft., budded, well-branched. .	.75	6.00	\$45.00
5-6 ft., budded, branched. ....	.60	5.00	35.00

A. platanoides. NORWAY MAPLE. European species of compact and rapid growth; foliage deep, shining green. A most desirable shade tree. In many localities the Norway Maple is considered the best of all for street and park planting because of its sturdy growth, handsome form and beautiful foliage. Height, 40 to 50 feet.

PRICES:	Each	10	100
10-12 ft., 1½-1¾ in. caliper	\$2.00		
8-10 ft., 1¼-1½ in. caliper	1.25	\$10.00	
6-8 ft., stocky .....	.75	6.00	

A. saccharum. SUGAR OR ROCK MAPLE. A magnificent variety for street and lawn. The tree assumes a dense habit of growth; foliage dark green, in autumn assuming beautiful shades of scarlet and yellow. Very hardy. Height, 50 to 60 feet.

PRICES: Except where noted.	Each	10	100
10-12 ft., 1½-1¾ in. caliper	\$2.00		
8-10 ft., 1¼-1½ in. caliper	1.25	\$10.00	
6-8 ft., stocky .....	.75	6.00	

Albizzia

Albizzia Julibrissin. (*Acacia Julibrissin*). A rapid-growing tree, with spreading branches and a low, flat-topped head; foliage fine and feathery; pink flowers in large heads borne at tips of branches; blooms



Mimosa (*Albizzia julibrissin*).

middle of May and continues for several weeks; a remarkably fine tree.

PRICES:	Each	10	100
8-10 ft., very heavy	\$1.50	\$10.00	
6-8 ft., very heavy	1.00	8.00	
4-6 ft., heavy .....	.75	5.00	
3-4 ft. ....	.50	4.00	
2-3 ft. ....	.35	3.00	

Aleurites.

Candle Nut.

Aleurites Fordii. The Tung Oil or Wood Oil Tree of China. A medium-sized tree indigenous to central China; reaches a height of 20 to 30 feet, with a spread of 25 to 30 feet. The rather large, pinkish white flowers, which appear in large numbers in April, with the broad, handsome, green leaves following, make the tree a valuable ornamental. It thrives best in well-drained sand-clay loams. The tree is reported to live to the age of 300 years or more. The apple-like fruits contain several large nut-like seeds which yield the valuable tung oil or China wood oil of commerce, used extensively in paints and varnishes. Commercial plantings should be confined to cheap lands, as the probable yield of oil will not pay for the use of more valuable ones. Experimental plantings of this tung tree have been started in Florida, Georgia, Alabama and South Carolina. It is quite distinct from the Candlenut Tree (*Aleurites moluccana*), in being hardier and deciduous. This tree is becoming very popular as an ornamental. It is perfectly hardy at Augusta.

PRICES:	Each	10	100
8-10 ft., heavy, 1½-2 in. cal.	\$1.50		
6-8 ft., heavy	1.25	\$10.00	
5-6 ft., heavy	1.00	8.00	
4-5 ft., heavy .....	.50	4.00	
3-4 ft. ....	.25	3.00	

Amygdalis Persica

During March these Double-Flowering Peaches are covered with a mass of beautifully formed and highly colored flowers. These trees cannot be too highly recommended for early spring blooming. They are perfectly hardy and will thrive in any soil in which other Peaches will grow.

PRICES:	Each	10	100
1 year, 4-5 ft., extra heavy	\$0.50	\$4.00	
1 year, 3-4 ft., well branched. ....	.35	3.00	

Amygdalis Persica Chrysanthemum. CHRYSANTHEMUM-FLOWERED PEACH. Flowers very large, double pink, center quilled like a Chrysanthemum, extra fine; blooms first of April.

- A. *Persica rubra flore plena.* Double crimson.
- A. *Persica alba flore plena.* Double white.
- A. *Persica carnea flore plena.* Double pink.

Aphananthe

Aphananthe aspera. CHINESE HACKBERRY or NETTLE TREE. This is the beautiful and well-known Yenoki of the Japanese gardens. The tree is of rapid growth with spreading branches, making a very large head; foliage deep green; bark smooth. A most desirable shade tree of medium growth. Perfectly hardy in the middle South.

PRICES:	Each	10	100
6-8 ft., branched	\$0.75	\$6.00	
5-6 ft., branched .....	.50	4.00	\$30.00
4-5 ft., branched .....	.30	2.50	20.00

Celtis. Hackberry.

Celtis mississippiensis. NETTLE TREE, HACKBERRY or SUGARBERRY. One of the most popular and desirable shade trees for avenue or street planting; of rapid growth. As the Hackberry is difficult to transplant, the tree must be pruned to a single stem, the roots kept moist and not exposed to the air, so that they will not dry out.

PRICES:	Each	10	100
14-16 ft., well-branched, 2½-3 inch caliper	\$4.00		
12-14 ft., well-branched, 1½-2 inch caliper	2.00	\$17.50	
12-14 ft., well-branched, 1¼-1½ inch caliper	1.75	15.00	\$125.00
10-12 ft., well-branched, 1-1½ inch caliper	1.00	9.00	80.00
8-10 ft., stocky .....	.75	7.00	60.00
6-8 ft., stocky .....	.50	4.50	40.00

AUGUSTA, GEORGIA.

CERASUS. Flowering Cherry. See Prunus.

Cercis. Judas Tree.

Cercis canadensis. RED BUD or AMERICAN JUDAS TREE. A fast-growing round headed tree with large, leathery, heart-shaped leaves. The last of March, before the foliage appears, the tree is covered with a profusion of delicate reddish-purple flowers.

PRICES:	Each	10	100
10-12 ft., 1¼-2¼ in., cal. extra heavy	\$2.00	\$17.50	
8-10 ft., 1½-1¾ in., cal. extra heavy	1.25	10.00	\$90.00
6-8 ft., 1-1¼ in., cal.	1.00	8.00	60.00
5-6 ft., 1 in., cal. ....	.75	5.00	40.00
4-5 ft., stocky .....	.50	4.00	30.00

Cornus. Dogwood.

Cornus florida. WHITE-FLOWERING DOGWOOD. The native large white-flowering Dogwood. A most effective plant for the lawn.

PRICES:	Each	10
5-6 ft., very heavy, well-branched.....	\$1.00	\$8.00
4-5 ft., very heavy, well-branched.....	.75	6.00
3-4 ft., well-branched .....	.50	4.00
2-3 ft., branched .....	.35	3.00

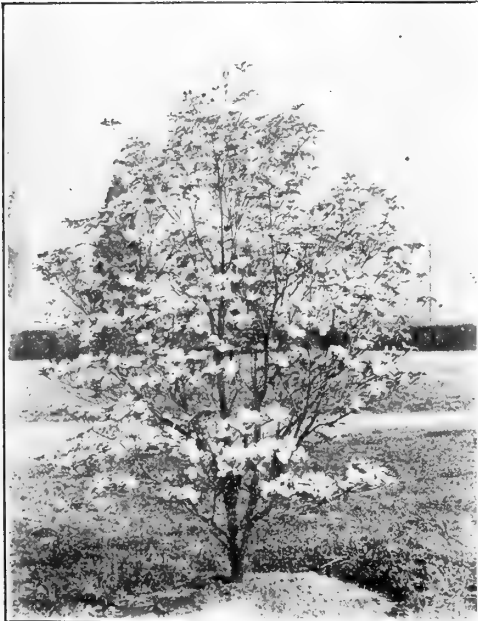
C. florida flore pleno. DOUBLE WHITE FLOWERING DOGWOOD. This is a form of the White Flowering Dogwood, but with double flowers. A very attractive variety.

PRICES:	Each	10
2-3 ft., heavy, budded	\$1.00	\$10.00
18-24 inches, budded .....	.75	

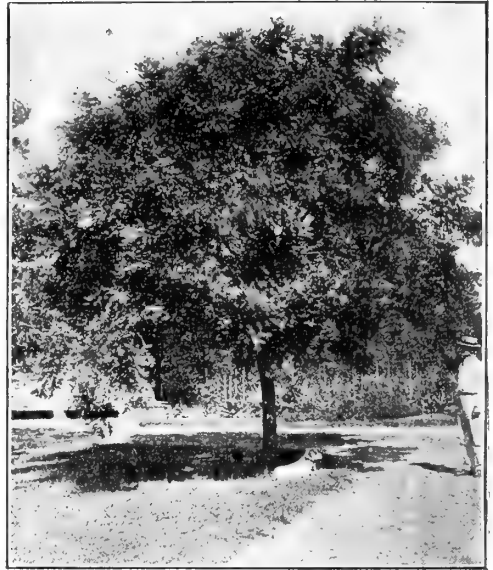
C. florida rubra. RED-FLOWERING DOGWOOD. Similar to the White-flowering Dogwood, but the flowers are of a deep rose color. Early in the season it produces large quantities of flowers, which makes it a most effective tree.

PRICES:	Each	10
4-5 ft., very heavy, budded	\$2.50	
3-4 ft., heavy, budded.....	1.50	
2-3 ft., stocky, budded	1.00	\$8.00

ELM. See Ulmus.



Red Flowering Dogwood.



Koelreuteria paniculata.

Ginkgo

Ginkgo biloba. (*Salisburia adiantifolia*). MAIDENHAIR TREE. A most beautiful and interesting Japanese tree. Of large size, rapid and erect growth. Foliage resembles that of the Maidenhair Fern. One of the most desirable shade trees we have. Free from insect diseases. A very popular tree in many cities for street and avenue planting. Considerably used in Washington, D. C. Ultimate height, 60 to 80 feet.

PRICES:	Each	10
8-10 feet	\$1.25	\$10.00
6-8 feet .....	.75	6.50
5-6 feet .....	.50	4.00

Koelreuteria

Koelreuteria paniculata. GOLDEN RAIN TREE. A most beautiful, hardy, ornamental shade tree from China, with broad, flat, spreading head of large compound-ovate leaves, which are of a dull red when first appearing in the spring, later assuming a dark-bright green. During the latter part of May large panicles of yellow flowers are produced for at least three weeks. These completely envelop the entire head of the tree. The flowers are followed by bladder-like seed pods, which make the tree very attractive for several weeks after the blooming period. We recommend this tree highly. Height, 25 feet.

PRICES:	Each	10
8-10 ft., heavy, well-branched.....	\$1.25	\$10.00
6-8 ft., heavy, well-branched.....	1.00	8.00
5-6 ft., heavy, well-branched.....	.75	5.00

LINDEN. See Tilia.

Liquidambar. Sweet Gum.

Liquidambar styraciflua. AMERICAN SWEET GUM, or BILSTED. One of our handsome native trees. Of upright and symmetrical growth. Especially showy in autumn, when the leaves change from green to either yellow or deep purple. Invaluable for street and landscape planting.

PRICES:	Each	10
10-12 ft., well-branched, 2-2½ in. caliper	\$2.00	
8-10 ft., well-branched, 1½-2 in. caliper	1.50	\$12.50
6-8 ft., well-branched, 1-1¼ in. caliper	1.00	8.00
5-6 ft., stocky, branched.....	.75	6.00
4-5 ft., stocky, branched.....	.50	4.50

P. J. BERCKMANS CO.

Liriodendron. Tulip Poplar.

Liriodendron tulipifera. TULIP TREE; TULIP POPLAR. A magnificent, rapid-growing tree of pyramidal shape; foliage broad and glossy; flowers yellowish-green, tulip-shaped. Valuable for street and lawn planting; also for lumber. Needs severe pruning when transplanted.

PRICES:	Each	10	100
15-18 ft., 3-3½ in. cal.	\$5.00	\$40.00	
12-15 ft., 2-2½ in. cal.	2.50	20.00	\$150.00
10-12 ft., 1¾-2 in. cal.	1.50	12.50	100.00
8-10 ft., 1¼-1½ in. cal.	1.25	10.00	80.00
6-8 ft., 1-1¼ in. cal. ....	.75	6.00	50.00
5-6 ft. ....	.50	4.00	35.00

Magnolia. Chinese Species.

All of the Chinese varieties produce their flowers in the early spring, before the leaves appear, and several sorts produce, or continue to bloom, at periods during the entire summer. No selection is complete without some of these desirable plants.

Magnolia obavata. (*M. purpurea*). CHINESE PURPLE MAGNOLIA. This popular variety makes a small tree of compact growth; large purple and white flowers are produced in great profusion the latter part of March, and a few flowers are produced during the entire summer.

PRICES:	Each	10
4-8 ft., very bushy, specimens.	\$5.00	
5-6 ft., very bushy specimens.	3.50	\$30.00
4-5 ft., very bushy specimens.	2.00	15.00
3-4 ft., well-branched.	1.50	10.00
2-3 ft., well-branched. ....	.75	6.00
18-24 inches, branched. ....	.50	4.00

M. Soulangeana. SOULANGE'S MAGNOLIA. Flowers large, cup-shaped; white, more or less suffused with pink. Blooms in March. Hardy. Ultimate height, 25 feet.

PRICES:	Each	10
4-4½ ft., well branched, with buds, imp'd.	\$4.00	
3-4 ft., well branched, with buds, imp'd.	3.00	
3-3½ ft., well branched, with buds, imp'd.	2.00	
18-24 in., 2 year layers, home-grown. ....	.50	\$4.00

M. Soulangeana nigra. DARK-FLOWERED MAGNOLIA. A very rare variety of vigorous and robust growth; flowers large, dark purple; several shades darker than *M. obavata*. A free bloomer. Commences to bloom in March and blooms spasmodically during the entire summer. A most beautiful and desirable variety. Distinct from any other sort.

PRICES:	Each	10
5-6 ft., branched, home-grown.	\$2.00	
3-4 ft., branched, home-grown.	1.50	
2-3 ft., branched, home-grown.	1.00	\$8.00
18-24 inches, home-grown. ....	.50	4.00

M. stellata (*M. Halliana*) STARRY MAGNOLIA. Of dwarf habit. Flowers semi-double, pure white, and fragrant. Blooms from two to three weeks earlier than other Magnolias.

PRICES:	Each
2½-3 ft., well branched, with buds, imported.	\$2.50
18-24 in., well branched, with buds, imported.	2.00

Melia. China Tree.

Melia Azedarach umbraculiformis. TEXAS UMBRELLA TREE; UMBRELLA CHINA. A sub-variety of the China Tree. It assumes a dense, spreading head, resembling a gigantic umbrella. A most desirable tree of rapid growth. Blooms middle of April. Ultimate height, 25 feet.

PRICES:	Each	10	100
6-7 ft., heavy, branched, 1½-1¾ in. caliper.	\$1.25	\$10.00	
5-6 ft., well-branched, 1-1¼ in. caliper.	1.00	8.00	\$60.00
4-5 ft., branched, 1 in. caliper. ....	.50	4.00	\$30.00
3-4 ft. ....	.25	2.25	20.00

M. Azedarach umbraculiformis aurea. GOLDEN-LEAF CHINA TREE. This is a new variety of the China tree. Foliage of beautiful golden hue. In every

other respect similar to our well known China tree. A very desirable variety.

PRICES:	Each
4-5 ft.	\$0.50
3-4 ft. ....	.35

OAK. See Quercus.

Oxydendron. Sourwood.

Oxydendron arboreum. SOURWOOD. A small tree, with slender, spreading branches, growing naturally from Pennsylvania to Louisiana. Leaves lanceolate, bright green; In autumn assumes dazzling tones of scarlet. Fragrant white flowers in panicles or spreading racemes. Blooms in early summer. Ultimate height, 25 to 50 feet.

PRICES:	Each	10
2-3 feet, bushy.	\$0.50	\$4.00

PERSICA. Double Flowering Peach. See *Amygdalis Persica*.

Platanus. Plane Tree.

Platanus occidentalis. AMERICAN SYCAMORE. The well-known variety. It is extensively used for street and park planting, especially where there is smoke. Ultimate height, 100 to 150 feet.

PRICES:	Each	10	100
12-14 ft., 2-2½ in. cal., well-branched.	\$2.00	\$17.50	\$150.00
10-12 ft., 1¼-1½ in. cal., well-branched.	1.00	8.00	75.00
8-10 ft., well-branched. ....	.75	6.00	50.00
6-8 ft., well-branched. ....	.50	4.00	30.00

Populus. Poplar.

Populus carolinensis. CAROLINA POPLAR. A rapid-growing native tree of upright growth. After the tree has attained a height of 15 to 20 feet, it is advisable to cut the leader. The Carolina Poplar resembles the Cottonwood, but is quite distinct.

PRICES:	Each	10	100
14-16 ft., 2½-3 in. cal.	\$2.50		
12-14 ft., 1½-2 in. cal.	1.25	\$10.00	\$75.00
10-12 ft., 1¼-1½ in. cal.	1.00	8.00	50.00
8-10 ft., 1¼ in. caliper. ....	.60	5.00	35.00
6-8 ft. ....	.35	2.50	20.00

P. Nigra italica. (*P. fastigiata*). LOMBARDY POPLAR. The well-known Italian variety. A tall, pyramidal, compact and rapid-growing tree; very hardy; extensively planted in the southern part of Europe. Very desirable where formal effect is desired.

PRICES:	Each	10	100
12-14 ft., 2-2½ in. cal.	\$1.25	\$10.00	\$75.00
10-12 ft., 1½-2 in. cal.	1.00	8.00	50.00
8-10 ft., 1¼-1½ in. cal. ....	.60	5.00	35.00
6-8 ft., 1 inch caliper. ....	.35	2.50	20.00

P. Simonii. (*Balsamifera Suaveolens*). CHINESE POPLAR. A remarkable new variety of the small-leaf Chinese Poplar of very pyramidal habit; resembles the Lombardy, but makes a more pleasing impression; a very rapid grower, and is destined to become a popular variety. Introduced by the Horticultural explorer, Mr. Frank N. Meyer.

PRICES:	Each	10	100
12-14 ft., 2-2½ in. cal.	\$1.35	\$10.00	\$75.00
10-12 ft., 1½-1¾ in. cal.	1.00	8.00	50.00
8-10 ft., 1¼ in. cal. ....	.60	5.00	35.00
6-8 ft., 1 in. cal. ....	.35	2.50	20.00

Prunus. Flowering Cherry and Plum.

Prunus avium flore plena alba. DOUBLE WHITE JAPANESE CHERRY. This is a remarkably fine tree. In early spring it produces a wealth of pure, double white flowers which are frequently so numerous that they conceal the branches; each individual flower resembles a miniature rose.

PRICES:	Each	10	100
5-6 ft., heavy, well branched. ....	.75	\$6.00	
4-5 ft., branched. ....	.50	4.00	\$30.00
3-4 ft., branched. ....	.35	3.00	25.00

AUGUSTA, GEORGIA.

P. Cerasus Rhexi flore plena. Another very fine double white Japanese Cherry. Early in spring the tree is covered with a profusion of blooms; dwarf grower.

PRICES: Each 10
Strong, 3-year, 3-4 ft. \$0.50 \$4.00

P. subhirtilla pendula rosea. (C. japonica). JAPANESE WEEPING CHERRY. This is the well-known Weeping Cherry of the Japanese. In early April the pendulous branches are covered with single rose-pink flowers in clusters, and the tree is literally a mass of bloom. The flowers appear before the leaves begin to unfold. A most desirable variety.

PRICES: Each 10
2 year heads, budded on 4-5 ft. stems. \$1.50
1 year heads, budded on 4-5 ft. stems. 1.25 \$10.00

P. Cerasifera Pissardii. PERSIAN PURPLE-LEAF PLUM. The most valuable of all the purple-leaved trees. It retains its deep color throughout the warmest weather, and its leaves until midwinter. We cannot endorse it too highly.

PRICES: Each 10
4-5 ft., heavy \$0.50 \$4.00
3-4 ft., strong25 2.00

P. Mume. JAPANESE DOUBLE-FLOWERING APRICOT. A very early-blooming variety. In March the tree is literally covered with a mass of double pink blossoms, making a most conspicuous tree for a lawn. Very scarce.

PRICES: Each 10
Strong, 1-year trees \$0.50 \$4.00

Quercus. The Oak.

All of our Oaks have been several times transplanted, and therefore have a good root system; but, nevertheless, all Oaks must be severely pruned when transplanted; otherwise there is danger of the tree dying.

Quercus alba. WHITE OAK. A beautiful variety with spreading branches and a broad open head; light grey bark. The foliage assumes a deep purple in fall. One of our finest oaks. Very desirable for lawn or street planting.

PRICES: Each 10
6-8 ft., heavy, well-branched \$1.00
5-6 ft., well-branched75 \$6.00

Q. nigra. (Quercus aquatica). WATER OAK. This well-known variety needs no description.

PRICES: Each 10
12-14 ft., very heavy, 2-2½ in. cal. \$4.00
10-12 ft., very heavy, 1½-2 in. cal. 2.00 \$17.50
8-10 ft. heavy, well-branched, 1-1½ in. cal. 1.25 10.00
6-8 ft., heavy, well-branched, 1 in. cal.75 6.00
5-6 ft., heavy, well-branched50 4.00

Q. palustris. PIN OAK. The tree is shapely and symmetrical; leaves are of a beautiful tone of green, in autumn fading to a brilliant scarlet. This is one of the most desirable trees for street and avenue planting. Ultimate height, 50 to 60 feet.

PRICES: Each 10 100
15-18 ft. specimens,
3½-4 in. cal. \$7.50 to \$10.00
12-15 ft. specimens,
2½-3½ in. cal. 5.00 to 7.00
10-12 ft. specimens,
1¾-2 in. cal. 3.00 \$25.00
8-10 ft. specimens,
1¼-1½ in. cal. 2.00 15.00
6-8 ft., 1-1¼ in. cal. 1.25 10.00 \$90.00
5-6 ft.75 6.00 50.00

Q. phellos. WILLOW OAK. A very graceful variety, with narrow lanceolate leaves, resembling those of the willow. Well-known native tree, but extremely difficult to secure.

PRICES: Each 10 100
8-10 ft., strong, well-branched. \$1.50 \$12.50
6-8 ft., well-branched 1.00 8.00 \$70.00
5-6 ft., well-branched60 5.00 45.00

Q. rubra. RED OAK. A variety of symmetrical, spreading growth; foliage dark green; in autumn turns red. One of the best varieties for lawn and street planting.

PRICES: Each 10
6-8 ft., heavy, well-branched \$1.00
5-6 ft., well-branched75 \$6.00

SALISBURIA. See Ginkgo biloba.

Salix. Willow.

Salix japonica. JAPANESE WEEPING WILLOW. Being an improvement on Salix Babylonica, as it puts out its leaves about ten days later in the spring, which thus prevents it from the injuries of late frost.

PRICES: Each 10 100
10-12 ft., very heavy, 1¾-2 in. cal. \$1.75 \$15.00
8-10 ft., very heavy 1.00 8.00
6-8 ft., heavy50 3.50 \$25.00
5-6 ft., well-branched25 2.00 15.00

Spondias

Spondias lutea. (S. axillaris). A handsome tree growing from 50 to 75 feet tall. Introduced from China by the Horticultural Explorer, Mr. S. A. Wilson. This tree is a most valuable addition to our collection of hardy deciduous trees. The trunk is straight with a spreading, rounded crown. The leaves are long, resembling those of the Ash. Insignificant flowers are borne in clusters. These are followed by yellow, oval fruit about 1 to 1½ inches long. This is eaten by the Chinese. This tree is of a very distinct and tropical appearance, and so far as known it is free from insect depredations.

PRICES: Each 10
8-10 ft., 2-2½ in. cal. \$1.50
6-8 ft., very heavy 1.00 \$8.00
5-6 ft., heavy50 4.00
4-5 ft., one-year25 2.00

SOURWOOD. See Oxydendron.

SWEET GUM. See Liquidambar.

Taxodium. Bald Cypress.

Taxodium distichum. BALD CYPRESS OF THE SOUTH. The native Cypress of the South. Foliage soft green, light and feathery; in the autumn the color is yellow and orange, does well in moist or dry soil; a magnificent deciduous tree, and for avenue or park effect is most pleasing. This tree is not sufficiently appreciated.

PRICES: Each 10
8-10 ft., very heavy \$2.50 \$20.00
6-8 ft., very heavy 1.50 12.50
5-6 ft., very heavy 1.00 8.00
4-5 ft., heavy75 6.00
3-4 ft., heavy50 4.00

Tilia. Linden.

Ulmus americana. AMERICAN WHITE ELM. A handsome and desirable, large-sized tree of rapid growth. Indigenous from Canada to Texas. Leaves heart-shaped, dark green, in autumn turning to a golden hue. Most desirable for street planting. Succeeds best in rich soil.

PRICES: Each 10
8-10 ft., 1¼-1½ inch, cal. \$1.50 \$12.50
6-8 ft. 1.00 9.00

TULIP TREE. See Liriodendron.

Ulmus. Elm.

Tilia americana. AMERICAN LINDEN, OR LIME. A hand-tree of rapid and stately growth. Branches long and graceful. Extensively used for avenues and streets. We have an exceptionally fine stock of symmetrical and stocky trees.

PRICES: Each 10 100
14-16 ft., 2-2½ in. cal. \$4.00
12-14 ft., 1¾-2 in. cal. 2.00 \$17.50
12-14 ft., 1½ to 1¾ in. cal. 1.50 12.50
10-12 ft., 1¼ to 1½ in. cal. 1.25 10.00 \$80.00
8-10 ft., 1-1¼ in. cal.75 6.50 55.00
6-8 ft., ¾-1 in. cal.50 4.00 35.00

UMBRELLA CHINA. See Melia.

WEEPING MULBERRY. See Morus.

WILLOW. See Salix.

Broad-Leaved Evergreens

We can supply large specimen plants of many varieties of Broad-leaved Evergreens described in this catalogue. Descriptions, prices and sizes will be given to prospective purchasers. All of our plants are most carefully grown, frequently transplanted, pruned and given plenty of space; therefore the plants which are offered are stately, vigorous and healthy.

Many of our evergreens are grown in pots, thereby increasing safety in transplanting. In fact, it is impossible to transplant some varieties of Broad-leaved Evergreens which have been grown in open ground; therefore, to make the transplanting of these particular varieties assured, we grow them in pots.

Nearly all plants which are taken from the open ground are lifted with a ball of earth about the roots. This is wrapped in moss, excelsior or burlap. When transplanting evergreens which have a ball of earth about the roots wrapped in burlap, it is not necessary to remove this burlap. Place the plant to the right depth in the properly prepared hole; cut the string so that the burlap can be released from about the ball of earth around the roots of the plant. It is not necessary to remove the burlap from the hole, but when the ball of earth about the roots of the plant is wrapped in moss or excelsior this wrapping must be carefully removed. The earth about the roots should not be disturbed. When the hole has been half-filled with earth, pour in water freely, but not so as to wash the soil from about the roots of the plant. After the water has settled put in more dirt, firm this well about the roots of the plant, and then fill up the hole.

In transplanting broad-leaved evergreens the soil should be properly prepared and holes of ample size dug and fertilized. In all cases the fertilizer must be thoroughly incorporated with the soil. If the roots of the plants come in contact with the unmixed manure the plants are apt to die. Should the ball of earth about the roots of broad-leaved evergreens fall away, then the plant must be defoliated and properly pruned.

Even when the ball of earth about the roots of plants remains intact it is advisable to prune severely and defoliate such plants as *Abelia*, *Cerasus Caroliniana*, *Camphor*, *Citrus Fruits*, *Cotoneaster*, *Crataegus*, *Elaeagnus*, *Ilex*, *Laurocerasus*, *Ligustrums*, *Neriums*, *Photinia*, *Quercus*.

It is advisable to place a mulching of well-rotted leaves to a depth of 4 to 6 inches about the plants, as this mulching conserves the moisture in the soil, and protects the roots from the sudden changes of temperature. In the summer the mulching prevents drying out of the soil, and in winter prevents freezing.

We are beginning to appreciate more and more the effect attained by a proper planting and selection of Broad-leaved Evergreens. We are particularly fortunate in being able to grow in this favored locality such a large collection of them. We can successfully grow in this section many kinds which are not hardy in the far North, and we bring to perfection a large portion of the hardy northern Evergreens also. A judicious selection of varieties, with the proper planting arrangement of Evergreen trees and shrubs, gives to the winter aspect of our home grounds a warm and cheerful effect.

Certain varieties must be planted in the proper situation and given specially prepared soil; otherwise they will not give satisfactory results. We will gladly suggest or recommend the best varieties for certain soils and localities.

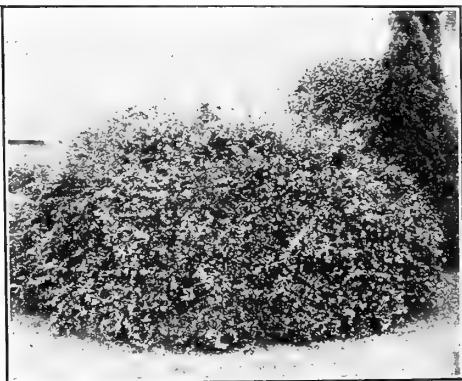
All Broad-leaved Evergreens are pot-grown unless otherwise stated.

PRICES OF SPECIAL COLLECTIONS.

We will supply 10 plants in 10 varieties, our selection, standard sizes, for\$ 4.00
 100 plants in 25 varieties, our selection, standard sizes, for 30.00
 NOTE—The two above special collections are of fine value.

Abelia

Abelia grandiflora. (*A. rupestris*). One of our most beautiful, popular and satisfactory broad-leaved evergreens. The graceful, drooping stems and branches are covered with dark, glossy leaves which in winter assumes a metallic sheen. From the middle of May until frost this plant produces an immense quantity of tubular-shaped white flowers about an inch long which are borne in clusters. The accompanying photo will give an idea of the beauty of the *Abelia*.



Abelia Grandiflora.

During the growing season it is advisable to pinch off the ends of the long shoots. This will make the plant dense and compact. For single specimens, for groups, or for a hedge we cannot too strongly recommend this plant.

Hardy as far north as Philadelphia. Has also been successfully grown in sheltered positions in Massachusetts, and, even when partially killed back, the young shrubs flower profusely the same season.

PRICES:	Each	10	100
3-4 ft., very bushy, from open ground	\$1.00	\$8.00	
2-3 ft., strong plants, from open ground .....	.75	5.00	\$40.00
18-24 in., strong, from open ground .....	.50	4.00	30.00
12-18 in., strong, from open ground .....	.35	3.00	25.00

Arbutus. Strawberry Tree.

Arbutus Unedo. STRAWBERRY TREE. A very rare and desirable broad-leaved evergreen. Attains a height of 8 to 15 feet. Foliage dark, glossy green. Flowers white, bell-shaped, produced in early spring in great profusion, followed by pretty scarlet fruit, which is retained until late winter.

PRICES:	Each	10
15-18 in., strong, from pots	\$0.75	\$6.00
12-15 in., strong, from pots .....	.60	5.00
10-12 in., strong, from pots .....	.50	4.00

Ardisia

Ardisia crenulata rubra. An exceedingly ornamental dwarf-growing shrub, with dark, shining leaves; produces a profusion of bright-red berries which remain upon the plant for a year. Succeeds best in a shady

AUGUSTA, GEORGIA.

situation, and in a rich soil. Hardy at Savannah and southward. This plant is very largely used as a house plant in winter.

PRICES:	Each	10	
12-15 in., from 5 inch pots, well set with berries	\$1.25		
10-12 in., from 4 inch pots, well set with berries	1.00	\$8.00	
8-10 in., from 4 inch pots, well set with berries .....	.75	6.00	
10-12 in., from 4 inch pots, without berries .....	.50	4.00	
8-10 inches, from 4 inch pots, without berries .....	.40	3.50	
6-8 in., from 3½ to 4 inch pots, without berries .....	.35	3.00	

Aucuba. Gold Dust Tree.

This beautiful plant is not sufficiently appreciated. When in the open ground it gives the best results when planted in a shaded situation, in a somewhat moist, though rich, well-drained soil. This genus contains both male and female plants. If the latter are planted near the male plants they will produce a profusion of red berries which makes them very attractive. Aucubas are especially desirable for city gardens when same are exposed to smoke. These plants are also largely used for vases, urns and window boxes. Hardy at Washington, D. C.

Aucuba himalaica. A strong growing variety with large, dark, glossy leaves. Produces a profusion of scarlet berries which makes a fine contrast with the rich, green foliage.

PRICES:	Each	10	100
15-18 in., well-branched	\$0.75	\$6.00	
12-15 in., branched .....	.50	4.00	\$30.00

A. japonica. A beautiful variety of dwarf growth. leaves narrow, dark, shining green; produces a profusion of bright red berries, which remain upon the plant for a long time. Very desirable for growing in pots as well as for open ground.

PRICES:	Each	10	
12-15 inches, branched	\$0.75	\$6.00	
10-12 inches, branched .....	.50	4.00	

A. japonica aureo-maculata. GOLD-DUST TREE. A form of the above, with leaves beautifully spotted with yellow. Largely used for jardinières and window-boxes; also for planting in masses.

PRICES:	Each	10	100
All plants from open ground.			
18-24 in., branched	\$0.75	\$6.00	
12-15 in., branched .....	.50	4.00	\$30.00

Azalea

Azalea amoena. EARLY AMOENA. A very dwarf-growing variety, producing small, claret-colored blooms. Excellent for a low hedge or for massing. Hardy at New York.

PRICES:	Each	10	100
12-15 in., well-branched with buds, from open ground.....	\$1.00	\$3.00	
10-12 in., well-branched with buds, from open ground.....	.75	6.00	
8-10 in., branched with buds...	.50	4.00	\$30.00
6-8 in., branched with buds.....	.35	3.00	25.00

A. Hinodegiri (Home-Grown.) A magnificent, hardy, early-blooming Japanese Azalea; decided improvement upon *A. amoena*, which it somewhat resembles in habit of growth, but is a more vigorous grower and foliage is heavier. Bright carmine flowers are produced in enormous quantities. In fact, when in full bloom the plant is almost a solid mass of color. Remains in bloom for a long period. In the winter and fall months the foliage assumes a reddish appearance. This variety is hardy in New York.

PRICES:	Each	10	
10-12 in., very bushy, well set with buds.....	\$1.00	\$8.00	
8-10 in., very bushy, well set with buds .	.75	6.00	
6-8 in., well branched, with buds.....	.50	4.00	

Azalea indica. Indian Azaleas.

(Home Grown).

PRICES:	Each	10	100
18-24 in., very bushy, well set with buds	\$1.50		
15-18 in., very bushy, well set with buds	1.00	\$8.00	
12-15 in., well-branched, well set with buds .....	.75	6.00	\$50.00
8-12 in., branched, with buds...	.50	4.00	30.00
6-8 in., branched, with buds...	.35	3.00	25.00

These beautiful shrubs are perfectly hardy in the open in this latitude. Some varieties of the Indian Azaleas are hardy in the mountain sections also, but to get the best results, Azaleas should be planted in a somewhat shaded situation, especially where they are protected from the hot, afternoon sun of summer.

The best soil is one containing an abundance of leaf mold, peat and sand, but soil should be well drained. Azaleas will not succeed in limestone soil. The plants must be kept well mulched with rotted leaves, preferably leaves of hardwood trees. When planted in masses of solid, well-contrasting colors, the effect is most pleasing.

If the plants are grown in pots, they should be repotted after flowering and before the new growth begins. Keep the plants sheltered for a few days, and then plunge the pots in the open ground in a shady situation, or they may be planted in an open border and kept shaded.

If the plants are required for winter blooming in the conservatory, they should be lifted and repotted before very cold weather and kept in a cool greenhouse. By judiciously selecting the varieties, a continuous supply of flowers may be had from January until May.

We offer several thousand Home-grown Indian Azaleas in about 50 varieties of the sizes as described above. In the varieties with single flowers we offer all shades of crimson, scarlet, purple, salmon, white, and many exquisitely variegated, mottled and striped varieties. In the varieties with double flowers we can only supply two double whites. All our plants are grown in open ground during summer and lifted and potted in October when they are thoroughly matured. In this latitude it is best to plant Azaleas in open ground in March and April, but southward they can be safely planted from October until April.

Azaleas are liable to attacks of red spider and thrips, especially if the plants suffer from want of proper watering. Daily syringing of plants kept under glass will aid in eradicating these pests, as also will a spray of sulpho-tobacco soap.

A well-fed, well-tended and well-pruned Azalea need never grow scraggy and misshapen with age, but should become more beautiful every year as its increasing spread of branches gives room for the display of myriads more of flowers. Those who grow Azaleas in the house should remember that the flowers will last much longer if the plants are kept in a cool room after they have expanded.



Azalea Indica.

P. J. BERCKMANS CO.

AZALEA—(Continued)

Azalea Kaempferi. JAPANESE AZALEA. A beautiful variety recently introduced by the Horticultural Collector, Mr. E. H. Wilson. This beautiful Japanese shrub is very floriferous. Perfectly hardy at Boston, Mass. This is a most desirable addition to our collection of evergreen azaleas. We can furnish plants in shades of pink and salmon. The varieties are not named, and are sold under colors. We offer these plants for the first time.

PRICES:	Each	10
12-15 inches	.....	\$1.00
8-12 inches	.....	.75 \$6.00
6-8 inches	.....	.50 4.00

BERBERIS JAPONICA. See *Mahonia japonica*.

Buxus. Boxwood.

Buxus balearica. A very handsome variety of Boxwood; a native of Spain. Large, oblong, bright-shining leaves 1 to 2 inches in length. Not hardy in the North.

PRICES:	Each	10
24-30 inches, very bushy, from open ground	.....	\$1.50
18-24 inches, very bushy, from open ground	.....	1.00 \$8.00
15-18 inches, very bushy, from open ground	.....	.75 6.00

B. sempervirens. COMMON TREE BOX. (Imported). This old favorite is again in great demand, and is being extensively used for vases, urns, hedges and as single specimens. We offer a very fine lot of compact, bushy, imported plants.

If war conditions do not prevent, we expect to receive from Europe this fall a fine lot of compact, bushy plants, of the following sizes:

SIZES:			
24 inches, very bushy	} Prices will be given upon application.		
18 inches, very bushy			
12 inches, very bushy			

B. sempervirens. COMMON TREE BOX (Home-grown). We offer a fine lot of very compact, thrifty plants of our own growing.

PRICES:	Each	10	100
18-24 inches, very bushy, from open ground	.....	\$1.00	\$8.00
15-18 inches, very bushy, from open ground	.....	.75	5.00 \$40.00
12-15 inches, very bushy, from open ground	.....	.50	4.00 30.00

NOTE: For smaller sizes, see under Hedge Plants.

B. sempervirens aurea variegata. A form of *Buxus sempervirens* with leaves margined yellow.

PRICES:	Each	10
12-15 inches, bushy	.....	\$0.50 4.00

B. sempervirens suffruticosa. DWARF BOXWOOD. See under head of Hedge Plants. Page 43.

Callistemon

Callistemon lanceolata. (*Metrosideros floribunda*). A beautiful shrub with narrow, lanceolate leaves, reddish brown when young. Bright, red flowers produced in long cylindrical spikes the last of April. Plant continues to bloom for several weeks. Hardy at Savannah and southward. Ultimate height 15 feet.

PRICES:	Each	10
From 5 in. pots	.....	\$1.50
From 4½ in. pots	.....	1.00 \$8.00
From 4 in. pots	.....	.50 4.00
From 3 in. pots	.....	.40 3.00

Camellia japonica. Home Grown Plants.

This is one of our specialties. All of our plants are propagated from our own specimens which are grown in the open ground. Our collection contains nearly 100 choice, named varieties, and the plants we offer comprise a great range of colors, also early and late blooming varieties, and with double and semi-double flowers.

PRICES:	Each	10
18-24 inches, branched	.....	\$1.50 \$12.00
15-18 inches, slightly branched	.....	1.00 9.00
12-15 inches, slightly branched	.....	.75 7.00
12-15 inches, not branched	.....	.60 5.00

NOTE: We will be able to supply some large specimen plants of *Camellias*. These plants will vary in height from 5 to 10 feet, or more, and will be well-branched. Prices, description and sizes upon application.

CULTIVATION OF CAMELLIAS.

For Open Ground—To get the best results *Camellias* should be planted in a partially shaded situation, especially where protected from the cold winds of winter and the hot, afternoon sun of summer. Any good garden soil is suitable, but if mixed with leaf mold and well-rotted cow manure better results will be obtained. The plants should be kept thoroughly mulched with well-rotted leaves. In this section the best time to transplant *Camellias* is from early October until middle of November, and from middle of February to end of March.

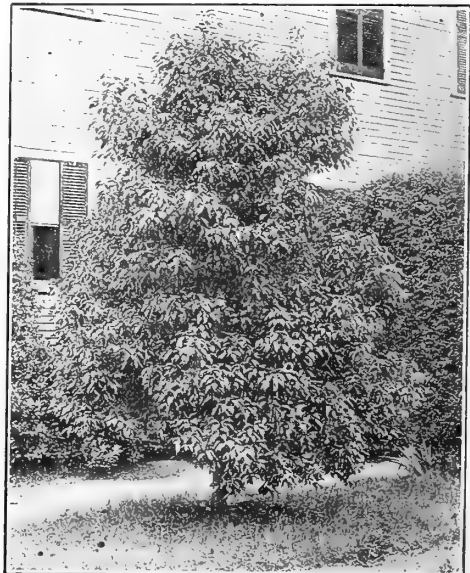
For Conservatories—Use a potting compost of peat or leaf-mold and good loam, and give ample drainage. When in growth, they require an abundance of water and spraying of the foliage. When dormant, water sparingly and keep in cool temperature. Fire heat is not needed except during excessively cold weather which would injure distending buds. Dropping of buds is caused by plants drying out, or by over-watering, or being kept in high temperature under glass.

CERASUS CAROLINIANA. See *Laurocerasus*.

CHAMAEROPS FORTUNEI. See *Trachycarpus Fortunei*.

Cinnamomum. Camphor.

Cinnamomum Camphora. (*Laurus Camphora*). (*Camphora officinalis*). CAMPHOR TREE. This desirable and beautiful tree is hardy at Augusta. Along the Atlantic and Gulf Coast it is largely used as a shade tree for street and avenue planting. In Florida the Camphor is now being extensively and successfully planted for the extraction of gum. The tree is of a very rapid and stately growth; leaves bright, glossy green. The young growth is very attractive, as it is tinged with red, which gives a most striking and



Camphor.

AUGUSTA, GEORGIA.

CINNAMOMUM—(Continued)

pleasing effect. The Camphor will do well on poor soil, but will give a most satisfactory growth when properly fertilized and when grown on well-drained soil. It does not thrive in wet situations. In transplanting, both the pot-grown and open ground plants should have their side branches cut back and the plants defoliated; otherwise loss is apt to ensue.

PRICES:	Each	10	100
3-4 ft., well-branched, from open ground	\$0.75	\$5.00	
30-36 inches, well-branched, from open ground .....	.50	4.00	
18-24 inches, branched, from pots .....	.35	2.50	\$20.00
12-18 inches, from pots .....	.25	2.00	17.50

Citrus Fruits

Citrange. These Citranges have been tested for a number of years, and in this section it is seldom that the foliage is injured by the cold. The leaves are trifoliate but of large size; thus showing the blood of the Citrus trifoliata and the Orange. We offer strong, grafted plants of several named varieties as follows: Morton, Rusk, Willet, and several other new varieties.

PRICES:	Each	10	100
2-3 ft., well-branched	\$0.75	\$6.00	
18-24 inches, well-branched .....	.50	4.00	

Orange Satsuma, or Onshiu. This is the hardiest known edible Orange. At Augusta the trees have stood without injury a temperature of 12° above zero. The tree is of dwarf and drooping habit with a broad, spreading head, thornless. The fruit is of medium size, flattened like the Mandarin; color deep orange; flesh tender and juicy, seedless. Ripens at Augusta in September or October. All of our Satsuma are grafted and budded upon Citrus trifoliata and are field-grown.

PRICES:	Each	10	100
18-24 inches	\$0.75	\$5.00	
12-18 inches, branched .....	.50	3.50	\$25.00

Cleyera. Japanese Cleyera.

Cleyera japonica. A shrub of medium height; foliage very glossy; flowers creamy white, produced in great profusion during June; delightfully fragrant; followed by red berries, which are retained all winter.

PRICES:	Each	10	100
15-18 inches, well-branched, from pots ..	\$0.75	\$6.00	
12-15 inches, from pots .....	.50	4.00	

Contoneaster

Contoneaster rotundifolia lanata. (C. buxifolia). A dwarf, spreading shrub. Leaves oval, quite small, similar to Boxwood. Produces white flowers in early spring followed by showy crimson berries which are retained all winter.

PRICES:	Each	10	100
2-3 ft., very bushy	\$0.60	\$5.00	
18-24 in., very bushy .....	.50	4.00	\$30.00
12-18 in., bushy .....	.25	2.25	20.00

C. Simonsii. Attains a height of about 4 feet; dark green leaves; flowers white, slightly pinkish, followed by bright red fruit. Blooms last of April. One of the best.

PRICES:	Each	10	100
3-4 ft., extra heavy, bushy	\$0.60	\$5.00	
2-3 ft., extra heavy, bushy .....	.50	4.00	\$30.00
18-24 in., bushy .....	.25	2.25	20.00

CRATAEGUS. See Pyracantha.

Elaeagnus. Japan Oleaster.

We cannot too highly recommend these beautiful shrubs, which are perfectly hardy here, do not require very rich soil, and are not affected by either extreme

heat or cold. The variegated-foliaged varieties are exceedingly showy.

PRICES: Except where noted.	Each	10	100
12-15 in., branched, grafted, from pots ..	\$0.50	\$4.00	

Elaeagnus aurea maculata. GOLDEN-LEAVED OLEASTER. Foliage broad, beautifully blotched and striped golden yellow. Produces in March fruit the size of the cranberry, which, combined with the beautiful foliage, makes a most unique plant.

E. Fruitlandii. A new variety originated by us. Evidently a cross of E. Macrophylla and E. Simoni. Leaves large and pointed, beautiful silvery beneath. This is a very fine addition to our broad-leaved shrubs. We are offering this for the first time.

PRICES:	Each	10	100
2-3 ft., very bushy, grafted	\$1.50		
15-18 in., strong, grafted, from pots	1.00	\$8.00	
12-15 in., strong, grafted, from pots .....	.75	6.00	

E. macrophylla. Leaves very large, undulated, clear green on upper side, silvery white beneath. A showy and conspicuous shrub. Scarce.

E. pungens. Leaves two to four inches long, very dark green above, silvery beneath, margin of leaf undulating; creamy white, fragrant flowers produced in January; a beautiful shrub.

PRICES:	Each	10	100
30-36 in., very bushy, from open ground	\$2.00		
24-30 in., very bushy, from open ground	1.50	\$12.50	
18-24 in., bushy, from open ground	1.00	8.00	
15-18 in., well-branched, from open ground ..	.75	6.00	
12-15 in., branched, from pots ..	.50	4.00	\$35.00

E. pungens Simonii. SIMON'S OLEASTER. Foliage elongated, silvery on under side; of compact growth; has edible fruit. A most desirable plant for the lawn.

E. pungens variegata. Broad, dark green leaves, beautifully bordered and blotched light yellow.

PRICES:	Each	10	100
15-18 in., very strong, from open ground	\$0.75	\$6.00	
12-15 in., well-branched, from pots and from open ground .....	.50	4.00	

ENGLISH LAUREL. See *Laurocerasus*.

Eriobotrya. Loquat: Japan Medlar.

Eriobotrya japonica. This plant is practically hardy in the Piedmont Zone, but is at its best in the Coastal Zone. Trees of medium height, with long, glossy, evergreen leaves; fruit bright-yellow, round or oblong, about the size of a Wild Goose Plum; borne in clusters from the end of February until May; seldom perfects fruit in this locality, but is very successful southward.

PRICES:	Each	10	100
3 years, seedlings	\$0.35	\$3.00	
2 years, seedlings .....	.25	2.25	

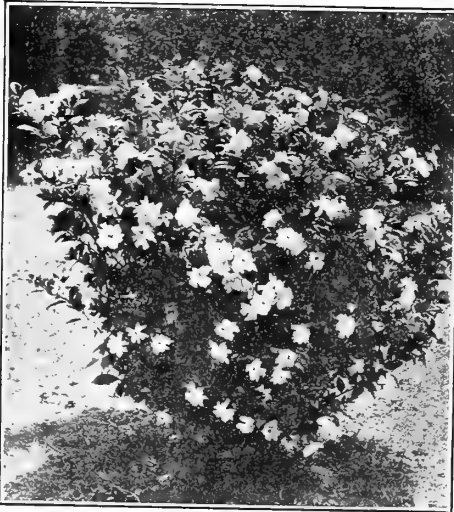
E. japonica Giant. (Grafted). Fruit four times as large as the common Japanese Medlar; foliage remarkably handsome.

PRICES:	Each	10	100
Strong, 2 yr. grafted	\$0.50	\$4.00	

Escallonia

Escallonia montevidensis. A profuse-blooming shrub, attaining a height of 10 to 15 feet. Leaves bright, shining green; white flowers in umbels, produced during June and July. Very scarce and desirable.

PRICES:	Each	10	100
Extra strong, from 4 in. pots	\$0.75	\$6.00	
Strong, from 3 in. pots .....	.50	4.00	



Gardenia.

Gardenia. Cape Jasmine.

Very popular evergreen shrubs with bright, glossy foliage. Hardy as far north as Virginia and Tennessee. They do well in almost any well-drained soil. Large fragrant white flowers are freely produced from middle of May until fall.

PRICES: Except where noted.	Each	10	100
18-24 in., well-branched, from pots	.....	\$0.75	\$6.00
15-18 in., well-branched, from pots	.....	.50	4.00 \$30.00
12-15 in., from pots	.....	.35	3.00 20.00

Gardenia florida. Flowers very large, white, and very fragrant; foliage glossy; blooms middle of May.

G. Fortunei. Flowers larger than those of *G. florida*.

G. radicans. DWARF CAPE JASMINE. A very dwarf, trailing Cape Jasmine; foliage very small; flowers white, very fragrant. Most desirable where a low effect is desired.

PRICES:	Each	10	100
8-12 in., bushy, from 4 in. pots	.....	\$0.50	\$4.00
6-8 in., well branched, from 3 in. pots	.....	.25	2.00 \$17.50

Ilex. Holly.

Ilex Aquifolium. ENGLISH or EUROPEAN HOLLY. Leaves of intense, deep, shining green, with undulating, spine-tipped margins. Berries bright scarlet, which, combined with the glossy green leaves, makes this a conspicuous plant for winter effect.

PRICES:	Each	10
12-15 in., strong	.....	\$0.50 \$4.00

I. Cornuta. A very beautiful and rare variety of Holly from northern China, introduced by the Horticultural Explorer, Mr. E. H. Wilson. Plant of shrubby

growth with short, spreading branches. Leaves shiny, very dark green with 3 spines of nearly equal size at the apex and generally with 2 spines on each side of the base. Fruit scarlet. A most desirable variety. Attains a height from 6 to 10 feet. Hardy at Washington, D. C.

PRICE:	Each
8-10 inches, grafted, from pots	.....\$0.50

I. opaca. AMERICAN HOLLY. In transplanting, the plants should be defoliated and the large sizes should also be severely pruned.

PRICES:	Each	10	100
2-3 ft., branched, transplanted	.....	\$1.50	
18-24 in., branched, transplanted	.....	1.00	\$8.00
15-18 in., from pots and open ground	.....	.50	4.00
12-15 in., from pots and open ground	.....	.35	3.00 25.00

I. vomitoria. A native shrub with spreading branches and small oval or oblong leaves. Sometimes attains a height of 25 feet. During the winter the plant is a mass of scarlet berries which makes it most conspicuous. Very effective when planted in groups; also makes an effective hedge.

PRICES:	Each	10	100
15-18 inches, branched, from pots	.....	\$0.50	\$4.00
12-15 inches, from pots	.....	.25	2.00 \$17.50

Illicium. Anise.

Illicium anisatum. EAST INDIA ANISE TREE. A handsome evergreen with broad, light-green leaves, which, when bruised, emit an anise fragrance. Attains a height of 10 to 20 feet. Very desirable.

PRICES:	Each	10	100
30-36 inches, bushy, from open ground	.....	\$1.50	
24-30 inches, well-branched, from pots and open ground	.....	.75	\$6.00
18-24 in., branched, from pots	.....	.50	4.00 \$35.00
15-18 in., from pots	.....	.35	3.00 27.50

Kalmia. American or Mountain Laurel.

Kalmia latifolia. CALICO BUSH. One of the most beautiful native broad-leaved evergreen shrubs, sometimes attaining the size of a small tree in the upper sections. Its thick, waxy, bright, dark-green leaves give at all times a striking effect, but the plant is at its best when its pink and white geometrically-shaped flowers appear and expand into beautiful white and pink colored flower cups. The blooms appear in early April and last for several weeks. The *Kalmia* is hardy from New Brunswick to northern Florida. Will succeed in almost any soil, but will give the best results when placed in a rich, loamy soil containing an abundance of leaf mold. The plants should be kept well mulched.

PRICES:	Each	10	100
18-24 in., extra strong clumps, from open ground	.....	\$2.50	
12-18 in., extra strong clumps, from open ground	.....	1.50	
18-24 in., bushy, from open ground	.....	1.00	\$9.00
12-18 in., bushy, from open ground	.....	.50	4.00 \$35.00

If you want a beautiful lawn this winter try our "Fruitland Mixture." Prices of seed and instructions for making a lawn you will find on page 7.



Kalmia Latifolia.

Laurocerasus

(*Prunus Laurocerasus*)

Laurocerasus caroliniana. (*Cerasus caroliniana*; *Prunus caroliniana*). WILD OLIVE OR MOCK ORANGE OF THE SOUTH. This well-known hardy evergreen can be safely classed as a tree, as it attains a height from 20 to 40 feet. It is very desirable as a single specimen or for grouping, as it makes a most effective background in landscape work. Can also be pruned in standard, pyramidal, and other formal shapes. We offer a fine stock of thrifty, transplanted plants. As the Carolina Cherry is difficult to transplant, it is always advisable to defoliate and cut back severely, and unless authorized to the contrary all plants will be so treated before shipment.

PRICES:	•	Each	10	100
5-7 ft., heavy, very bushy, from open ground, transplanted..	•	\$1.50	\$12.50	
4-5 ft., heavy, very bushy, from open ground, transplanted	•	1.25	10.00	\$80.00
3-4 ft., heavy, very bushy, from open ground, transplanted	•	1.00	8.00	60.00
2-3 ft., heavy, bushy, from open ground, transplanted..	•	.50	4.00	30.00
18-24 in., bushy, from open ground, transplanted	•	.35	3.00	20.00
12-18 in., bushy, from open ground, transplanted	•	.25	2.00	15.00

LAUROCERASUS OFFICINALIS. Named Varieties. English or Cherry Laurel.

These are valuable shrubs. Their principal merits are great vigor; beautiful, broad shining foliage; of easy cultivation, and thrive in any ordinary, good, well-drained garden soil. Not hardy north of Washington, D. C. They attain a height from 12 to 15 feet with a corresponding breadth. The plants do not bloom until they are several years old, when they produce spikes of small, white flowers. For massing or for single specimens few plants possess more advantages than the English Laurel.

PRICES:	•	Each	10
4-5 ft., very bushy specimens.....	•	\$4.00	
3-4 ft., very bushy specimens.....	•	3.00	
30-36 in., very bushy	•	2.00	\$15.00
24-30 in., well-branched.....	•	1.50	12.50
18-24 in., well-branched	•	1.00	8.00
15-18 in., well-branched	•	.75	6.00
12-15 in., branched	•	.50	4.00

Laurocerasus officinalis Bertinii. Foliage very broad; dark green.

L. officinalis Caucasica. Foliage broad, light green. A fine sort.

L. officinalis Colchica. Dark foliage, which is gray-green beneath.

L. officinalis rotundifolia. Leaves short, broad, light green.

L. officinalis Versaillensis. Broad foliage. Quite distinct.

Laurus. Laurel; Sweet Bay Tree.

These beautiful evergreens are very popular and are perfectly hardy in the middle south and southward. The plant frequently attains a height of 30 feet, and the dark, bright-green leaves make the plant most effective as a single specimen or for planting in groups. This Laurel is the tree which is commonly grown in standard or pyramidal form and used so largely as a tub plant. The plants we offer are not trimmed in standard or pyramidal shapes, but are grown in bush form.

PRICES:	•	Each	10
18-24 inches, strong, well-branched, from pots and open ground	•	\$1.00	\$8.00
15-18 inches, well branched, from pots and open ground	•	.75	6.00
12-15 inches, branched, from pots.....	•	.50	4.00

Laurus nobilis. SPICE OR APOLLO'S LAUREL. A beautiful evergreen, with long, narrow, glossy green leaves, which are very aromatic, and are used in cooking.

L. regalis. A variety of Spice, or Apollo's Laurel. Leaves beautifully crimped. A distinct variety.

LAURUSTINUS. See *Viburnum Tinus*.

Ligustrum. Privet.

None of our broad-leaved evergreens give a greater form of foliage and growth than Ligustrums. For groups or individual specimens there is nothing more desirable.

Ligustrum amurense. AMOOR RIVER PRIVET. True. From the Amoor River in China. A very rapid and compact grower; foliage small. The best evergreen variety for hedges (See under head of Hedge Plants). It is also desirable for single specimens or wind-breaks. In rich soil will attain a height of 20 to 30 ft., with a corresponding breadth.

PRICES:

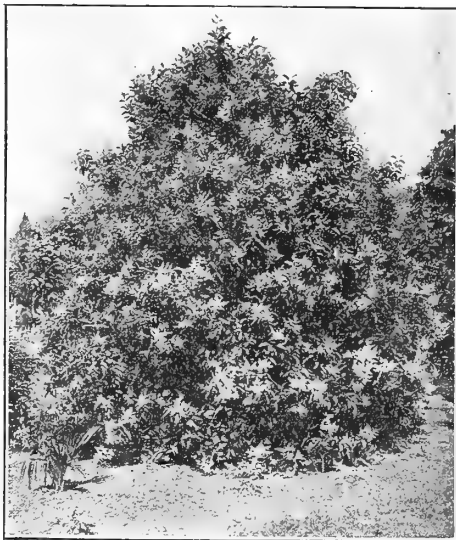
	Each	10	100
3-4 ft., strong, bushy	\$0.25	\$2.00	\$15.00

L. japonicum. JAPANESE PRIVET. A very handsome broad-leaved variety with large, dark-green leaves. Flowers produced in panicles followed by purple berries which are retained during the winter, giving the plant a very pleasing appearance. This plant can be grown into a small tree, can also be trimmed into pyramidal, standard or other forms. Ultimate height 20 to 30 feet.

PRICES:

	Each	10	100
6.7 ft., extra heavy, bushy	\$6.00		
5-6 ft., extra heavy, bushy	4.00	\$30.00	
4-5 ft., extra heavy, bushy	2.50	20.00	
3-4 ft., heavy, bushy	1.50	10.00	
2-3 ft., well-branched . . . . .	.75	6.00	\$50.00
18-24 in., well-branched . . . . .	.50	4.00	37.50
15-18 in., well-branched . . . . .	.40	3.50	30.00

L. japonicum excelsum superbum. SILVER LEAVED PRIVET. A tall-growing form of Japanese Privet. Leaves large, beautifully variegated white and green. Stands



Ligustrum Japonicum.

sun to perfection; in winter the dark-purple berries are very effective. Ultimate height 12 to 15 feet.

PRICES:

	Each	10
2-3 ft., grafted, very bushy	\$1.00	\$8.00
18-24 in., grafted, well-branched . . . . .	.75	6.00

L. japonicum standards. These trees have trained heads, similar to the Standard Bay, and, where a cheap substitute for the Bay is desired for either tubs or open ground, the above mentioned Standard Privet is very desirable, as the plant is perfectly hardy in the South. The plants we offer are from open ground, but have been several times transplanted, and will be lifted and shipped with a ball of earth about the roots.

PRICES:

	Each
Plants with 36-40 inch stems, 20-24 in. heads	\$4.00
Plants with 36-40 inch stems, 18-20 in. heads	3.00

L. lucidum. A beautiful form of Japanese Privet. Leaves large, thick, ovate, lanceolate, of a very dark shining green. Large heads of white flowers produced in May, followed by black berries, which are retained throughout the winter. Hardy at Baltimore. A most desirable variety. Attains a height of 20 feet.

PRICES:

	Each	10
18-24 inches, very bushy	\$1.00	\$8.00
15 18 inches, well branched . . . . .	.75	6.00
12-15 inches, well-branched . . . . .	.50	4.00

L. lucidum macrophyllum. (*L. macrophyllum*). An exceedingly rare and beautiful form of the Japanese Privet. Leaves of immense size and of intense dark green color. A most distinct and attractive variety. Ultimate height, 12 to 15 feet.

PRICE:

	Each
12-15 in., strong, grafted	\$0.50

L. japonicum marginatum aureum. GOLDEN LEAVED PRIVET. A vigorous growing variety with large leaves beautifully margined with yellow. Stands the sun well. In winter the large bunches of purple berries combined with the yellow foliage makes a very striking effect. Ultimate height 15 to 20 feet.

PRICES:

	Each	10
4-5 ft., grafted, very bushy specimens	\$3.00	
3-4 ft., grafted, very bushy specimens	2.00	\$15.00
2-3 ft., grafted, well-branched	1.00	8.00
18-24 inches, grafted, well-branched . . . . .	.75	6.00



Standard Privet.

AUGUSTA, GEORGIA.

LIGUSTRUM—(Continued)

L. nepalense. NEPAUL PRIVET. Resembles the Japanese Privet, but of smaller and more compact growth, and leaves somewhat smaller. A desirable variety in every respect. Ultimate height, 10 to 15 feet.

PRICES:	Each	10	
30-36 inches, very bushy	.....	\$2.00	
24-30 inches, very bushy	.....	1.50	
18-24 inches, well-branched	.....	1.00	\$8.00
15-18 inches, well-branched	.....	.75	6.00
12-15 inches, well-branched	.....	.50	4.00

Magnolia

MAGNOLIA FUSCATA. See *Michelia fuscata*.

Magnolia grandiflora. SOUTHERN MAGNOLIA. This is the grandest of all our native broad leaved evergreen trees. It is a native of the middle sections of the southern states, and succeeds best in a rich soil. Nothing more conspicuous can be seen amongst evergreens when its large, white flowers are fully expanded. Their period of blooming begins the middle of April and lasts until August. Hardy at Philadelphia.

PRICES:	Each	10,	100
4-5 ft., well-branched, from open ground	.....	\$1.50	
3-4 ft., well branched, from open ground	.....	1.00	\$9.00
2-3 ft., branched, from open ground	.....	.75	6.00 \$50.00
18 24 inches, from open ground	.....	.50	4.00 30.00
2-3 ft., strong, from pots	.....	.75	6.00
15-20 inches, from pots	.....	.60	5.00 45.00
12-15 inches, from pots	.....	.50	3.50 30.00

Note—To lessen liability of loss from transplanting, leaves will be cut off from open-ground-grown plants, unless we are instructed to the contrary. Our Magnolias have been twice transplanted, and, therefore, have finely-branched roots.

M. grandiflora gloriosa. LARGE FLOWERED MAGNOLIA. A variety of *grandiflora*, with flowers of immense size, often 12 to 15 inches in diameter; foliage large, bronze underneath; a magnificent tree; very scarce.

PRICES:	Each	10	
15-18 inches, grafted, heavy, pot-grown	.....	\$1.00	\$8.00
12-15 inches, grafted, pot-grown	.....	.75	5.00
10-12 inches, grafted, pot-grown	.....	.50	4.00

Mahonia Berberis.

Mahonia Aquifolia. HOLLY-LEAVED ASHBERRY or OREGON GRAPE. A beautiful, hardy, low-growing shrub with prickly leaves; produces a profusion of yellow flowers in March. In winter the foliage assumes tones of bronze or copper.

PRICES:	Each	10	100
12-18 in.	.....	\$0.25	\$2.00 \$17.50

M. japonica. (*Berberis japonica*). JAPANESE BARBERRY. This splendid plant thrives in almost any situation, but does best in partially shaded location, where the ground is well drained. Leaves very broad, with five pairs of leaflets; flowers yellow in long spikes during the first three months of the year, followed by dark purple berries. A magnificent shrub. Hardy at New York in protected situations.

PRICES:	Each	10	100
18-24 in., heavy, from open ground	.....	\$1.00	\$8.00
12-18 in., heavy, from open ground	.....	.75	6.00
10-12 in., heavy, from open ground	.....	.50	4.00
8-10 in., from pots	.....	.30	2.50 \$20.00

METROSIDEROS. See *Callistemon*.

Michelia

Michelia fuscata. (*Magnolia fuscata*). BANANA SHRUB. In the South one of our most popular and desirable evergreen shrubs. From early April until June the plant produces a quantity of yellowish-white flowers edged with maroon. The Banana-like fragrance is so pronounced that it is recognized several yards from

the plant. In the North this is a very desirable conservatory shrub.

PRICES:	Each	10	100
24 30 inches, very bushy, from open ground	.....	\$2.50	\$20.00
18-24 inches, very bushy, from open ground	.....	2.00	15.00
24-30 inches, well-branched, from pots	.....	1.50	12.50
18-24 inches, well-branched, from pots	.....	1.00	9.00
15-18 inches, well-branched, from pots	.....	.75	6.00 \$50.00
12-15 inches, branched from pots	.....	.50	4.00 35.00
10-12 inches, from pots	.....	.35	3.00 25.00

NOTE—We can supply *Michelia fuscata*, both from open ground and pots. Note sizes and prices above.

Myrtus Myrtle.

Myrtus communis. TRUE MYRTLE. A dwarf shrub, with small, bright green leaves; flowers pure white, very fragrant. Hardy at Augusta. Ultimate height, 10 feet.

PRICES:	Each	10	
12-15 inches, from pots	.....	\$0.50	\$4.00

Nandina

Nandina domestica. JAPANESE NANDINA. A beautiful upright-growing shrub, with numerous reed-like stems springing from the same root. Leaves deep, glossy green, when young tinged with red. In winter beautiful coppery tones are assumed; white flowers produced in long panicles, followed by masses of small, bright red berries, which are retained all winter. Hardy at Washington, D. C. Ultimate height, 10 feet.

PRICES:	Each	10	
Strong, from 3 inch pots	.....	\$0.50	\$4.00
Strong, from 2 1/2 inch pots	.....	.35	3.00

Nerium Oleander.

All Neriums are practically hardy in this latitude. They are also successfully grown along the coast of southern New Jersey, but should be protected during winter. They commence to bloom the last of April and bloom throughout the summer. The Oleander is also a most desirable plant for growing in tubs in conservatory.

PRICES:	Each	10	100
30-36 in., well branched, from 4 inch pots	.....	\$1.00	\$8.00
20-30 in., well branched, from 4 inch pots	.....	.75	6.00 \$50.00
15-20 in., from 4 inch pots	.....	.50	4.00 30.00
12-15 inch, from 3 inch pots	.....	.25	2.00 17.50

Cardinal. Single crimson. Very good.
Mme. Peyre. Very double, triple corolla; pale flesh.
Prof. Parlatore. Pink, double corolla; very fine.
Single White. Strong grower, continuous bloomer.
Splendens. One of the best. Flowers large, deep pink, double. Free bloomer.



White Oleander.



Osmanthus acquifolium.
OLEA. See *Osmanthus.*

Osmanthus

Osmanthus Fortunei. HOLLY-LEAVED TEA OLIVE. A strikingly beautiful evergreen shrub with dark-green, spiny-toothed leaves resembling the Holly. In the spring and fall the plant is covered with deliciously fragrant white flowers. Without doubt this is one of the most desirable broad-leaved evergreens. Does well in most any situation, but will give the best results when planted in rich soil and in partial shade. The tree attains a height from 25 to 30 feet. Hardy at New York.

PRICES:	Each	10	100
2-3 ft., bushy, from open ground	\$1.50	\$12.50	
18-24 in., bushy, pot-grown and from open ground	1.00	8.00	
15-18 in., well-branched, pot-grown .....	.75	6.00	
12-15 inches, branched, pot-grown .....	.50	4.00	\$35.00
10-12 inches, branched, pot-grown .....	.35	3.00	25.00

O. fragrans. (*Olea fragrans*). TEA or SWEET OLIVE. Small, white flowers, produced in clusters, which emit a pleasing fragrance. As a conservatory shrub for northern florists it will be found invaluable. The blooming period begins in the fall and lasts for several months. It is of easy culture. Ultimate height 18 to 20 feet.

PRICES:	Each	10
24-30 in., very bushy, from open ground	\$2.00	
18-24 in., well branched, from pots.....	1.00	\$8.00
15-18 in., well branched, pot-grown.....	.75	6.00
12-15 in., well branched, pot-grown.....	.50	4.00
10-12 in., pot-grown .....	.35	3.00
8-10 in., pot-grown .....	.30	2.50

Photinia

Photinia serrulata. EVERGREEN PHOTINIA. A large evergreen shrub, or small tree, the foliage of which becomes very conspicuous in fall, when it assumes a

red shade. Flowers white, in large corymbs, produced in early April. Strong plants from open ground. Plants will be defoliated before forwarding.

PRICES:	Each	10
3-3 1/2 ft., very heavy, budded.....	\$1.00	\$8.00
2-3 ft., heavy, budded .....	.75	6.00
18-24 in., budded .....	.50	4.00

Pittosporum

Pittosporum Tobira. JAPANESE PITTOSPORUM. A fine shrub, with dark green leaves clustered at the ends of the branches. Plant is of compact growth; flowers yellowish white, very fragrant, produced the middle of April and last a long time. A splendid shrub for specimens or massing, and can also be trimmed in fanciful shapes.

PRICES:	Each	10	100
30-36 inches, very bushy, from open ground	\$2.00		
24-30 inches, very bushy, from open ground	1.50	\$12.50	
18-24 in., well branched, from open ground	1.00	8.00	
15-18 in., well branched, from open ground .....	.75	6.00	\$50.00
12-15 in., well branched, from open ground .....	.50	4.00	35.00

P. Tobira variegata. VARIEGATED PITTOSPORUM. Similar to *P. Tobira*, but with leaves beautifully margined white. Of dwarf habit.

PRICES:	Each	10
15-18 in., well branched, from open ground	\$1.00	\$8.00
12-15 in., well branched, from open ground .....	.75	6.00
10-12 in., well branched, from pots.....	.50	4.00

PRIVET. See *Ligustrum.*

Pyracantha

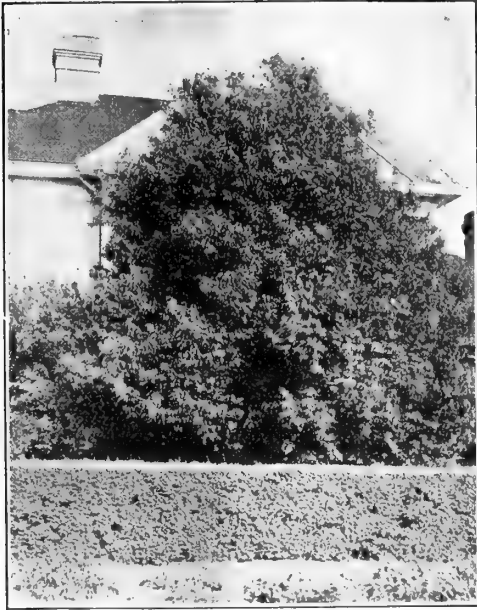
Pyracantha coccinea Lalandii. (*Crataegus Lalandii*). A beautiful sub-variety of evergreen burning bush. Very effective and desirable. In early spring the plant is covered with a profusion of white flowers, which are followed by bright orange berries, these being retained during the entire winter.

PRICES:	Each	10
2-3 ft., well-branched	\$0.75	\$6.00
18-24 in., well-branched .....	.50	4.00



Photinia serrulata.

AUGUSTA, GEORGIA.



Quercus acuta.

Quercus. Oak.

Quercus acuta. JAPANESE EVERGREEN OAK. Without doubt this is the most beautiful evergreen Oak ever introduced. The tree is of medium growth; bark very smooth; leaves oblong, of a bright, glossy green; growth very symmetrical and compact. A specimen of this Oak in our grounds is the admiration of all who see it. Seems to do well in almost any soil; needs comparatively little care, but will repay any attention given.

PRICES:	Each	10	
4-5 ft., transplanted, from open ground.	\$1.00		
3-4 ft., transplanted, from open ground.	.75	\$6.00	
2-3 ft., transplanted, from open ground.	.50	4.00	
15-18 inches, from pots	.35	3.00	
12-15 inches, from pots	.25	2.25	

Q. laurifolia Darlington. This is a very handsome form of Evergreen, or Laurel-Leaved Oak. The tree is of more upright growth than the Live Oak. A magnificent species, and very popular wherever known.

PRICES:	Each	10	100
10-12 ft., 1½-2 in. cal.	\$2.50		
8-10 ft., 1-1½ in. cal.	1.50	\$10.00	
6-8 ft., ¾-1 in. cal.	1.00	8.00	\$60.00
5-6 ft.	.50	4.00	35.00

Q. virginiana. (*Q. sempervirens*). LIVE OAK. The native Live Oak of the South. We have a beautiful lot of stocky, transplanted trees.

PRICES:	Each	10	100
10-12 ft., 2½-3 in. cal., bushy tops	\$5.00		
6-8 ft., 1¼-1½ in. cal.	1.50	\$12.50	
5-6 ft.	1.00	8.00	\$60.00
4-5 ft.	.50	4.00	35.00
3-4 ft.	.40	3.00	27.50

Note.—As all evergreen Oaks are difficult to transplant, they must be defoliated and severely cut back before being set out. Keep the trees well mulched until thoroughly established.

Rhododendron

Rhododendrons by some are considered difficult to grow. This erroneous idea is due to lack of knowledge concerning these handsome plants. The Rhododendrons naturally love a shady situation, especially where they are protected from the afternoon sun. As Rhododen-

drons are surface feeders it is very necessary that the beds be properly prepared. Excavate to a depth of 2 or more feet; fill in with a mixture of leaf mold, loam or peat, and sand so as to give good drainage. The above should be thoroughly rotted and mixed. A liberal amount of well-rotted manure can also be used with the above mixture, but never use heating manures. Keep the plants well mulched with leaves and water during periods of drought. If these directions are carried out Rhododendrons will give most satisfactory results.

Rhododendron catawbiense. ROSE BAY, CATAWBA RHODODENDRON. This is our native variety from the Alleghany Mountains, and those who have visited these mountains can appreciate this grand plant. Flowers lilac-purple.

PRICES:	Each	10
12-18 in., branched	\$1.00	\$8.00

R. maximum. GREAT LAUREL. Native of the Alleghany Mountains. Produces large trusses of pure white flowers. Blooms later than *R. Catawbiense*.

PRICE:	Each
1½-2 ft., branched	\$1.50

R. ponticum. ASIATIC SPECIES. This beautiful variety is perfectly hardy here, and succeeds further south than any other Rhododendron. Purple flowers produced in great profusion the last of April.

PRICE:	Each
30-36 inches, well-branched	\$2.00

TEA OLIVE. See *Osmanthus fragrans*.

Trachycarpus

Trachycarpus Fortunei. (*Chamaerops Fortunei*). CHUSAN FAN PALMETTO. This is without doubt the hardiest of all exotic palms. Fine specimens are grown in the northern part of South Carolina and Georgia. The plant attains a height of 12 to 15 feet. Seems to adapt itself to a great variety of soils, but will give best results when grown in a rich, heavy, well-drained soil. Very graceful and ornamental.

PRICES:	Each	10
24-30 inches, extra heavy	\$2.00	
18-24 inches, extra heavy	1.50	\$10.00
15-18 inches, strong	1.00	8.00
12-15 inches, strong	.75	5.00

Viburnum

Viburnum odoratissimum. A Japanese variety with broad, glossy green leaves; of spreading growth. Attains a height of 10 feet. Very fragrant, pure white flowers in large panicles produced about the middle of April. A very handsome shrub.

PRICES:	Each	10
18-24 in., from pots and open ground	\$1.00	\$8.00
15-18 in., from pots and open ground	.50	4.00
12-15 in., from pots	.40	3.00

V. suspensum. (*V. Sandankwa*). From the Loochoo Islands. A shrub of compact, rapid growth, attaining a height of 6 to 8 ft. Leaves dark-green, paler beneath. Flowers creamy-white, resembling the Trailing Arbutus; blooms in February or March, followed by red fruit. Does best when protected from the afternoon sun of summer.

PRICES:	Each	10
12-15 in., from pots	\$0.50	\$4.00
10-12 in., from pots	.40	3.50

V. Tinus. LAURUSTINUS. One of the handsomest and most satisfactory broad-leaved flowering shrubs; of rapid growth; attains a height of 10 feet. The flowers are creamy white, produced in the greatest profusion in early February, and last for a long time; very fragrant. The buds, before opening, are of a bright red.

PRICES:	Each	10	100
20-24 in., strong plants, from pots	\$1.00	\$8.00	\$70.00
15-20 in., strong plants, from pots	.75	6.00	50.00
12-15 in., branched, from pots	.50	4.00	30.00
8-12 in., from pots	.35	3.00	25.00

Yucca

Yucca filamentosa. ADAM'S NEEDLE OR BEAR GRASS. A conspicuous plant with stiff evergreen foliage. The large clusters of creamy white flowers produced in summer make a fine effect. Excellent for massing.

PRICES:	Each	10	100
5 years, strong	\$0.50	\$4.00	\$30.00
4 years, strong .....	.40	3.00	20.00
3 years, strong .....	.25	2.00	15.00

Y. gloriosa. A variety from the coast region of Carolina. Nearly stemless, sometimes with a slender trunk 10 to 15 ft. in height. Leaves thin but not recurved. Creamy-white flowers in large clusters, produced in summer. An excellent variety.

PRICES:	Each	10
Strong 3 year plants	\$0.35	\$3.00

Climbers and Trailers

Climbing plants are indispensable for many ornamental uses, and are decidedly useful in nearly all of our garden operations. Some varieties are especially desirable for the beauty of their flowers; others for attractive foliage. They are easily cultivated, but must have proper care and attention in the matter of training. Possibly no Climbers offer greater possibilities as ornaments than Clematis Paniculata, Rhynchospermum and Wistaria; while Bigonias, Climbing Roses and Elæagnus are very useful for trellised hedges. Our Climbers are carefully grown and properly pruned, and are unusually vigorous. Nearly all in the lists are hardy in the North.

Prices for special collection, 10 strong plants, in 10 varieties, our selection, \$2.00; \$15.00 per 100.

Actenidia

Actenidia chinensis. The most beautiful of the species. A vigorous climber. The hairs of the young branchlets and leaves are bright red. Leaves very large, heart shaped. Flowers creamy-white. In China the fruit, which has the flavor of the Gooseberry, is edible.

PRICE:	Each
Strong plants from 3-in. pots	\$0.50

Akebia

Akebia quinata. A very popular ornamental Japanese Climber with beautiful foliage, almost evergreen. Peculiarly shaped, purple flowers produced in March.

PRICES:	Each	10
2-year, strong	\$0.25	\$2.00

Ampelopsis. Ivy.

Ampelopsis Henryana. (*Parthenocissus Henryana*; *Vitis Henryii*). A very graceful deciduous plant, admirably adapted for clothing trellises and pergolas. Leaves digitate, composed of five lanceolate leaflets with serrate margins, and measuring three inches in length. They are variegated along the midrib and principal veins with silvery white and rose. This variation is constant through the summer and is more pronounced in the autumn when the green gives place to rich tints of red. A very rapid and vigorous climber.

PRICES:	Each	10	100
Extra strong, field-grown, three years	\$0.35	\$3.00	\$25.00
Strong, field-grown, two-years ..	.25	2.00	17.50

A. quinquefolia. (*Parthenocissus quinquefolia*). VIRGINIA CREEPER. A deciduous native climber of rapid growth. Very hardy. Leaves divided into five deeply cut leaflets which turn to rich crimson in the autumn. Desirable for covering trees, walls, banks and rocks.

PRICES:	Each	10
3 years, extra strong, field-grown.....	\$0.25	\$2.00
2 years, strong, field grown.....	.15	1.25

A. tricuspidata Veitchii. (*Parthenocissus tricuspidata Veitchii*). JAPANESE OR BOSTON IVY. A deciduous vine of rapid growth; suitable for covering walls, stumps, etc.

PRICES:	Each	10	100
Strong, 2 years, from 3 1/2 inch pots	\$0.25	\$2.25	\$20.00
Strong, 2 years, from 2 1/2 inch pots .....	.20	1.50	12.50

Antigonon. Mexican Rose.

Antigonon leptopus. ROSA DE MONTANA. LOVE'S CHAIN, ETC. A handsome, tuberous-rooted climbing plant. Blooms freely from June until frost. Handsome, rose-pink flowers produced in long racemes; leaves heart-shaped; a most desirable vine for the South. As stems die down in the winter in this section it is advisable to protect the roots with a covering of straw or leaves.

PRICES:	Each	10
2 years, strong	\$0.25	\$2.00



Antigonon leptopus.

Bignonia. Trumpet Vine.

Bignonia capreolata. (*Bignonia crucigera*). CROSS VINE, QUARTER VINE. A very handsome, vigorous-growing, evergreen, native climber, producing in early April a great profusion of trumpet-shaped flowers about 2 inches long, yellow-red on outside, yellow throat. Hardy North.

PRICES:	Each	10	100
3 years, strong clumps, from open ground	\$0.35	\$3.00	\$25.00
2 year, strong plants, from pots. .25	2.00	17.50	

B. hybrida. (*Campsis hybrida*). A handsome, deciduous variety of Trumpet vine with dark, blood-red flowers. Very free bloomer. Hardy as far north as Massachusetts.

PRICES:	Each	10
3 years, extra heavy, grafted.....	\$0.50	\$4.00
2 years, heavy, grafted.....	.35	3.00
1 year, heavy, grafted.....	.25	2.25

B. Mme. Gallen. (*Tecoma Mme. Gallen*). A desirable new variety, with dark, blood-red flowers with orange throat. In size the flower is between that of *Bignonia hybrida* and *grandiflora*. A very handsome and desirable hardy variety.

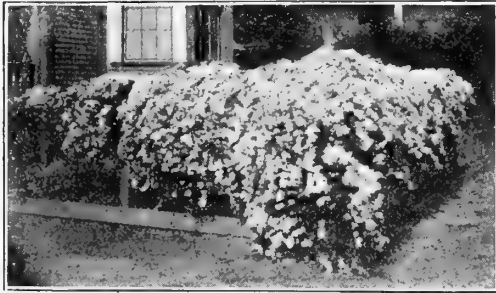
PRICES:	Each	10
2 yrs., heavy, grafted	\$0.50	\$4.00
1 yr. ....	.35	3.00

AUGUSTA, GEORGIA.

BIGNONIA—(Continued)

B. venusta. (*Pyrostegia venusta*). **FLAME FLOWER.** A beautiful tropical variety of the Trumpet Vine. A rapid grower. Produces a great abundance of rich, orange-colored flowers. A conservatory plant of this section, but most desirable for sub-tropical sections.

PRICES: Each 10
2 years, from 3 inch pots.....\$0.35 \$3.00



Clematis paniculata.

Clematis

Clematis paniculata. **JAPANESE CLEMATIS.** Flowers white, star-shaped, produced during midsummer and fall upon long shoots. In addition to its profusion of fragrant flowers, the foliage is handsome.

PRICES: Each 10 100
3-yr., extra strong, field grown.....\$0.50 \$4.00 -
2 yr., strong, field grown..... .25 2.00 \$15.00

HYBRID CLEMATIS, LARGE-FLOWERING.

PRICES: Each 10
Extra strong, field-grown.....\$0.60 \$5.00
Strong, field-grown..... .50 4.00

C. Jackmani. Large and intense violet-purple; free and abundant bloomer. This is the best and most popular of the large flowering Clematis.

C. Lawsoniana Henryii. Large, creamy white; free grower and bloomer. The finest white Clematis.

C. Mme. Edouard Andre. Large; violet-red; strong grower and free bloomer.

Note—Clematis do best in a deep, rich, loamy soil, and should be frequently enriched. As soon as the plants are set out, they must be securely tied to canes or other supports.

Elaeagnus

Elaeagnus pungens reflexa. **CLIMBING ELAEAGNUS.** A wonderfully vigorous Japanese evergreen climber. Leaves green above, silvery beneath, overspread with yellowish, light brown scales, giving the entire surface a bronze tint. The bark of the young growth is brown. This vine will go to the top of the highest tree, and by frequent pruning, can be grown as a shrub.

PRICES: Each 10 100
4-5 ft., very heavy, well-branched, from open ground.....\$2.00
3-4 ft., heavy, well-branched, from open ground..... 1.50 \$10.00
2-3 ft., heavy, well-branched, from open ground and pots. 1.00 2.00
18-24 inches, strong, from pots. .50 4.00 \$35.00
15-18 inches, strong, from pots. .35 3.00 25.00

Euonymus

PRICES: Except where noted: Each 10 100
15-18 in., extra strong, field-grown clumps.....\$0.35 \$3.00 \$25.00
12-15 in., field-grown clumps... .25 2.00 15.00
8-12 in., field grown..... .20 1.50 12.50

Euonymus Kewensis. A beautiful new trailing evergreen plant; desirable for rock garden or carpeting. Leaves

very small; oval; dark green, with light veins. A very desirable variety.

PRICES: Each 10
2½ inch pots.....\$9.30 \$25.00

E. radicans. **CLIMBING EUONYMUS.** A trailing evergreen of rapid growth. Fine for covering walls and stumps; good ground-covering for shady places.

E. radicans variegata. **VARIEGATED CLIMBING EUONYMUS.** A beautiful evergreen creeping plant with very pretty foliage, which is beautifully variegated deep green and white. Very showy for covering low walls and stumps; it is also excellent for bordering, as it can be kept closely clipped.

Ficus

Ficus pumila. (*F. repens*). **CLIMBING FIG.** An evergreen climber with small, bright green leaves. This is an excellent plant for covering walls, rock and rustic work. Makes a dense, dark green covering. In protected situations the vine is hardy in Augusta.

PRICES: Each 10 100
Extra strong, from 4 inch pots.....\$0.50 \$4.00
Extra strong, from 3 inch pots. .25 2.00 \$15.00
Strong, from 2½ inch pots.... .15 1.25 10.00

Gelsemium. Yellow Jasmine.

Gelsemium sempervirens. **CAROLINA YELLOW JASMINE.** Our native variety, with bright yellow, fragrant flowers, which are so profusely produced in early spring.

PRICES: Each 10
Strong clumps, nursery-grown.....\$0.25 \$2.00

G. sempervirens flore plena. **DOUBLE YELLOW JASMINE.** A very rare sub-variety of our native Yellow Jasmine, with double flowers, which are produced in great profusion in early spring and more sparingly in the fall. If grown in the conservatory, flowers are produced nearly all winter. Very scarce.

PRICES: Each 10
Strong clumps, nursery grown.....\$0.50 \$4.00

Hedera

Hedera canariensis. (*H. algeriensis*). **ALGERIAN IVY.** A very fine variety, with pretty green leaves of immense size. A rapid grower. A most conspicuous plant; not quite so hardy as the English Ivy.

PRICES: Each 10 100
Extra strong, from 3½ inch pots.....\$0.40 \$3.00
Strong, from 2½ inch pots.... .25 2.00 \$15.00

H. helix. **ENGLISH IVY.** Too well known to need description.

PRICES: Each 10 100
3-4 ft., very heavy, from 3-in. pots.....\$0.25 \$2.00 \$15.00
Strong, from 2½ and 3-inch pots..... .15 1.25 10.00

HONEYSUCKLE. See Lonicera.

JAPANESE OR BOSTON IVY. See Ampelopsis.

Jasminum. Jasmine.

Jasminum primulinum. **NEW CHINESE JASMINE.** This new variety, recently introduced from China, is a desirable acquisition to our list of hardy evergreen climbers. Light yellow flowers are produced in early March, and the plant continues to bloom for three months or more. In general appearance the flowers resemble those of *Jasminum nudiflorum*, but are considerably larger, sometimes being 2 inches in diameter. The foliage is rich, dark-green. In this locality the vine is an evergreen. It is not hardy north of Washington without protection. This plant should have a place in every garden. It does best when pruned and fertilized.

PRICES: Each 10 100
Extra strong, 2-3 ft.....\$0.35 \$3.00
Strong, 18-24 inches..... .25 2.00 \$17.50

Kadsura

Kadsura japonica. A very handsome, hardy Japanese climbing evergreen. Leaves 4 to 5 inches in length, dark green. The young growth of both the stems and leaves is red, giving the plant a bright appearance; flowers inconspicuous. In winter the clusters of small fruit, when ripe, make the plant very attractive.

PRICES:	Each	10	
Strong, from 3½ and 4 in. pots.....	\$0.50	\$4.00	

Lonicera. Honeysuckle.

PRICES: Except where noted.	Each	10	100
3 years, extra strong	\$0.35	\$3.00	\$25.00
2 years, strong .....	.25	2.00	15.00

Lonicera Brownii. SCARLET TRUMPET HONEYSUCKLE. A strong and rapid-growing evergreen variety with orange-scarlet flowers, which are produced in April. A decided improvement upon *L. sempervirens* (Woodbine), both as to foliage and bloom.

L. Heckrotti. HECKROTT'S HONEYSUCKLE. Flowers rose-colored on the outside; yellow in the center. A most excellent evergreen variety. Blooms continually from early spring until winter.

L. japonica chinensis. (*L. chinensis*). CHINESE HONEYSUCKLE. A showy variety, with purplish evergreen foliage, changing to greener shade at maturity. Flowers white, tinged with purple on outside. Freely produced last of April.

L. japonica halliana. (*L. Halliana*). JAPANESE HONEYSUCKLE. A very vigorous evergreen climber. White flowers changing to yellow, are borne in great profusion in late spring or early summer, and again sparingly in the autumn. Naturalized in many sections of the country. Good for trellises and ground-covers.

L. yilmoriana. A new variety recently introduced from Japan. Flowers white, changing to yellow. Similar to *L. Halliana*, but a great improvement on that variety, as it is much more vigorous, better foliage and more floriferous.

PRICES:	Each	10	
2 years, strong	\$0.35	\$3.00	

RHYNCHOSPERMUM. See *Trachelospermum*.

Roses, Climbing

PRICES, our own selection of varieties:	Each	10	100
1-year, on own roots, strong, field grown	\$0.25	\$2.00	\$17.50
1-year, budded on Manetti, strong, field grown .....	.35	3.00	25.00
2-year, budded on Manetti, extra strong, field grown .....	.50	3.50	30.00

Note—For description of varieties see under *Roses*, pages 52 to 55.

Trachelospermum. Star Jasmine.

Trachelospermum jasminoides. (*Rhynchospermum jasminoides*). MALAYAN or AFRICAN JASMINE or STAR JASMINE. The best evergreen climber for this section. A very beautiful, hardy and rapid-growing plant; producing in abundance from April until July, fragrant, star-shaped, white flowers. When in full bloom this plant is most conspicuous. Very effective where a thick screen is desired.

PRICES:	Each	10	100
Extra strong, from 4-in. pots.....	\$0.50	\$4.00	\$35.00
Strong, from 3½-in. pots.....	.35	3.00	25.00
Strong, from 3-in. pots.....	.25	2.25	20.00

Vinca

Vinca major. LARGER PERIWINKLE. An old and favorite plant, with large blue flowers, produced in early spring; leaves larger and a more vigorous grower than *V. minor*; excellent for vases, rock-work and bordering slopes.

PRICES:	Each	10	100	1000
Strong clumps, from open ground.....	\$0.25	\$1.50	\$10.00	\$60.00

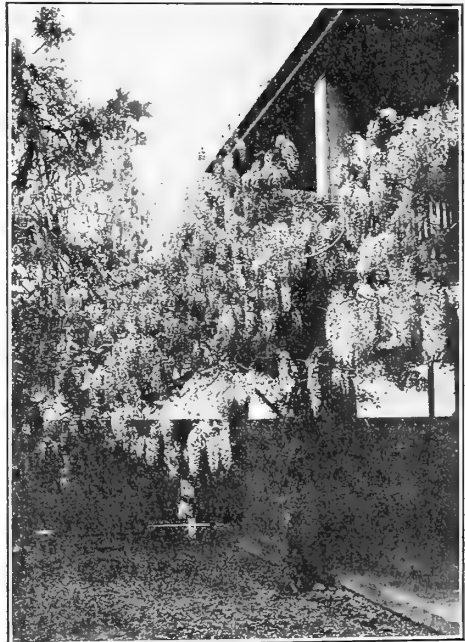
V. major variegata. VARIEGATED PERIWINKLE or TRAILING MYRTLE. Same as the above, except that the

leaves are beautifully variegated with silvery white; excellent for vases and window boxes.

PRICES:	Each	10	100
Extra strong, from 4-in. pots.....	\$0.40	\$3.00	
Strong, from 3-in. pots.....	.25	2.00	\$17.50

V. minor. COMMON PERIWINKLE; RUNNING or TRAILING MYRTLE. A well-known trailing plant. Flowers blue; leaves dark green, but smaller than *V. major*.

PRICES:	Each	10	100	1000
Strong clumps, from open ground.....	\$0.25	\$1.50	\$10.00	\$60.00



Wisteria.

Wisteria

All of our *Wisterias* are grown from free-flowering plants, and these must not be confused with the *Wisterias* which are grown from seed.

PRICES:	Each	10	100
4 years, extra heavy, grafted.....	\$1.25	\$10.00	
3 years, heavy, grafted.....	.50	4.00	\$35.00
2 years, grafted .....	.30	2.50	20.00

Wisteria chinensis. CHINESE PURPLE WISTERIA. The well-known, single purple flowered variety; free bloomer.

W. chinensis alba. CHINESE WHITE WISTERIA. White-flowering; a beautiful, graceful climber. Free bloomer.

W. chinensis flore plena. DOUBLE PURPLE WISTERIA. Until the vine is three years old it is a shy bloomer, but afterwards it becomes floriferous.

W. frutescens magnifica. (On own roots). Flowers in large, drooping racemes, pale blue, with a yellow center; blooms about a month later than the Chinese varieties; also produces flowers during the summer. Vigorous.

W. multijuga. JAPANESE WISTERIA. Flowers about a week later than *Wisteria chinensis*. A distinct and showy variety. Flowers, single, light purple, in loose racemes 1 to 3 feet long. Does not bloom freely until the vine is about 3 years old.

Ornamental Hedge Plants

Nothing can be more desirable for street protection or property divisions than a well-grown and carefully trimmed hedge. It may be a little more expensive than a fence in the beginning, but no repairs are required, and it grows in beauty from year to year.

For dividing lines, where a low hedge is desired, nothing is more appropriate than *Abelia grandiflora*, *Berberis Thunbergii*, *Spiraea Thunbergii* or *Viburnum Tinus*. All of these plants are graceful in form and beautiful in foliage and flowers. For formal plantings the Amoor and California Privet, Boxwood and Carolina Cherry are unsurpassed. All are evergreen and easily cared for and make a dense and compact growth.

Note—Not less than 40 plants will be furnished at the price quoted per hundred; not less than 400 at the price quoted per thousand.

Abelia

Abelia grandiflora. (*A. rupestris*). This beautiful Broad-Leaved Evergreen is becoming a very popular hedge plant. As this makes a very bushy growth, the plants can be set 18 to 24 inches apart.

PRICE:
12-18 in., strong plants from open ground....\$25.00

Berberis. Barberrry.

Berberis Thunbergii. THUNBERG'S BARBERRY. A most beautiful dwarf Barberrry from Japan. Changing in autumn to beautiful tones of orange, scarlet and crimson. Yellow flowers produced in early April followed by red berries which are produced in great profusion and which last the entire winter. Leaves retained for a long time. Makes a most beautiful and conspicuous low-growing hedge, and one that is specially suited for making boundary lines.

PRICE:
12-18 in., well branched\$15.00

Buxus. Boxwood.

Buxus sempervirens. COMMON TREE BOX (Home-grown). This is a familiar variety found in many of the old-time gardens. It makes an admirable hedge plant, as it stands shearing well and can be kept at any height desired.

PRICES:
10-12 inches, very bushy.....\$25.00
8-10 inches, bushy 20.00 \$130.00
6-8 inches, bushy 10.00 75.00

B. sempervirens suffruticosa. DWARF BOXWOOD. This is the variety so extensively used in the old-time gardens for edging walks and beds. It is of very slow growth, and its ultimate height is from 4 to 5 feet. The plants should be set from 3 to 4 inches apart. We offer a superb lot of home-grown plants.

PRICES:
8-10 inches, very bushy, 4-5 in. in diameter\$25.00
6-8 inches, very bushy, 3-4 inches in diameter 15.00 \$100.00
4-6 inches 10.00 75.00
3-4 inches, two years 7.50 60.00

CERASUS. See *Laurocerasus*.

CITRUS TRIFOLIATA. See *Poncirus*.

Laurocerasus

Laurocerasus caroliniana. (*Prunus caroliniana*). WILD OLIVE; MOCK ORANGE OF THE SOUTH. This makes an admirable hedge plant. Stands shearing well and is perfectly free from the depredations of insect and fungus diseases. Plants should be cut back to within 4 inches of the ground when set out.

PRICES:
12-18 in., bushy, from open ground, 2 years, transplanted\$15.00 \$125.00

Ligustrum. Privet.

Ligustrum amurense. AMOOR RIVER PRIVET. The true variety. For the South it is far superior to the California Privet, which loses its leaves during winter, whereas the Amoor River Privet retains its foliage throughout the entire year. Since 1866 we have cultivated and disseminated millions of the Amoor River Privet, and it is without doubt the most popular evergreen hedge plant of the day. It is of rapid growth, adapts itself to almost any soil not too arid

or extremely wet. If properly treated, a hedge may be secured in two years after planting.

PRICES:
2-3 ft., well branched, transplanted...\$5.00 \$40.00
18-24 in., branched, transplanted 4.00 30.00

Note—To save freight, we always cut back Amoor River Privet before shipping, unless instructed to the contrary. This also avoids the possibility of the plants heating, should there be delay in transit.

L. ovalifolium. CALIFORNIA PRIVET. This is a very popular variety for hedges North and West. Leaves are larger and growth more erect than *L. Amurense*.

PRICES:
3 years, 3-4 ft., very bushy.....\$15.00 \$100.00
2 years, 2-3 ft., well branched 4.00 30.00
18-24 in., branched 3.00 25.00

How to Make a Privet Hedge—Prepare the ground by plowing or spading to the proper width and depth. Open the trench 12 inches wide by 15 inches deep. Apply to this a liberal amount of well-rotted stable manure, and if this is not available, bone meal or some high grade fertilizer. Mix the manure or fertilizer thoroughly with the soil. Set the plants in a straight line in the trench one foot apart, about one inch deeper than they originally stood in the nursery row. Firm the earth well about the roots, level off, and then cut the plants back to within four inches of the ground. In the spring, after the plants have made a growth of six or eight inches, cut off one-half of this growth, both side and top, and proceed in a like manner with each succeeding growth until your hedge has reached the desired height and width. Cultivate well.

Poncirus

Poncirus trifoliata. (*Citrus trifoliata*). JAPAN HARDY ORANGE; TRIFOLIATE ORANGE. Far more desirable than Osage Orange. It is hardy as far north as New Jersey, and if planted in good soil an impenetrable hedge can be had three years from planting. In early spring, when covered with myriads of white flowers, nothing is more attractive; and while not an evergreen, the vivid green wood makes it appear bright during the winter. Plants may be set one foot apart. The plants require two or three annual shearings, the first about the middle of May and the others while the young growth is tender. If delayed until the wood is hardened, it will require more time and increased labor. An excellent hedge-knife can be made by taking a 28-inch scythe blade, straightening the shank and riveting it to a 14 or 18-inch straight wooden handle.

PRICES:
3 years, 2-3 ft., strong, well-branched\$15.00
2 years, 18-24 inches, branched 5.00
2 years, 12-18 inches 4.00

Spiraea

Spiraea Thunbergii. COMMON SNOW GARLAND. Of dwarf habit; branches slender and drooping; foliage very narrow, light green, changing to bright orange and red in fall; flowers small, white, which appear very early in March and last three weeks. A beautiful variety for a dwarf or low-growing hedge.

PRICE:
12-18 in., heavy, well branched\$15.00

Viburnum

Viburnum Tinus. LAURUSTINUS. This makes a very handsome and unique hedge, but care must be taken not to trim too severely; otherwise it will not bloom freely.

PRICES:
12-15 in., branched, from pots\$30.00
8-12 in., from pots 25.00

Ornamental Grasses

ALL HARDY IN THIS LATITUDE.

These are very effective as ornamental screens or for planting in masses or groups.

Arundo. Giant Reed.

Arundo donax variegata. VARIEGATED GIANT REED. A hardy, vigorous variety with long leaves, striped green and white, very striking.

PRICE:	Each	10	
Strong roots	.....	\$0.25	\$2.00

BAMBUA. See *Phyllostachys*.

Cortaderia. Pampas Grass.

GYNERIUM.

PRICES:	Each	10	100
Extra heavy clumps, 12-15 ins. in diameter	.....	\$2.00	\$17.50
Heavy clumps, 8 inches in diameter	.....	1.00	8.00
Strong clumps, 4-5 inches in diameter	.....	.50	4.00 \$35.00
Strong plants	.....	.25	2.00 15.00

Cortaderia argentea. WHITE PAMPAS GRASS. With silvery, plume-like spikes of flowers. An old favorite for grouping on the lawn.

C. Roi de Roscs. PINK PAMPAS GRASS. Plumes very compact, of a delicate rose color. A very beautiful and scarce variety.

EULALIA. See *Miscanthus*.

Miscanthus

EULALIA.

PRICES:	Each	10	100
Extra large clumps, 12-15 inches in diameter	.....	\$2.00	\$17.50
Large clumps, 8-12 inches in diameter	.....	1.00	8.00
Strong clumps, 4-5 inches in diameter	.....	.50	4.00 \$30.00
Strong plants	.....	.25	2.00 15.00

M. sinensis gracillimus. (*M. Univitata*). A variety with narrow foliage and with a narrow stripe running through middle of leaf; very graceful.

M. sinensis variegatus. STRIPED EULALIA. A variegated, hardy grass from Japan. In appearance it somewhat resembles the ribbon grass while in a young state. It forms compact clumps 6 feet in diameter. Its flower-stalks are graceful and numerous.

M. sinensis zebrinus. ZEBRA-STRIPED EULALIA. Similar in habit to the above, but with its leaves blotched with gold. The stripe, instead of running longitudinally, like the former, runs across the leaf.

PAMPAS GRASS. See *Cortaderia*.

Phyllostachys

BAMBOO.

PRICES:	Each	10
Extra strong	.....	\$1.00
Strong	.....	.50 \$4.00
<i>Phyllostachys aurea</i> . GOLDEN BAMBOO. A graceful Japanese variety, with quantities of yellow stems from 15 to 20 feet. Leaves green and drooping; very numerous delicate branches. One of the hardiest Bamboos.		
<i>P. No. 23260</i> . A new Chinese variety recently sent out by the Department of Agriculture. It is a vigorous grower and promises to be of great merit.		



Cortaderia, Pampas Grass.

Coniferous Evergreens

Evergreens are always in favor for landscape work, their deep green foliage making a strong background for the brilliant colors of summer; but it is in winter, when the northern landscape is barren of color and foliage, and the beauty of the southern greatly lessened, that they are most appreciated, the absence of other colors tending to bring out their beauty of form in a most striking manner.

It is an undisputed fact that at Fruitland Nurseries we grow the largest and most varied stock of coniferous evergreens in the southern states, and especially do we give attention to such varieties as are best adapted to this warmer climate. In our collection of *Thuya*, *Cupressus*, *Chamaecyparis*, *Juniperus*, etc., may be found many rare and valuable specimens. We also grow large quantities of the hardier varieties, adapted to the northern part of the country.

Our conifers are grown in the most careful and scientific manner. Nearly all of the open-ground plants have been grown one year in pots and then in the open ground, and are afterwards several times transplanted. Therefore we can offer to our patrons plants with excellent root-systems. Many varieties of conifers are grown in the open ground during the summer, lifted in the early fall and potted, and, before being shipped, plants have already started new roots. All plants, both from open ground and pots, are shipped with a ball of earth around the roots, which is wrapped in burlap or moss.

DIRECTIONS FOR PLANTING CONIFERS.

Place the plant in the properly prepared hole; cut the string, so that the burlap can be released from about the ball of the plant, and plant in the same manner as instructions given under head of Broad-leaved Evergreens. Keep the plants well watered and mulched. The best seasons for transplanting are from November to December, and from February to March, but in the lower sections, where the ground does not remain frozen during the winter, planting can be successfully done any time when the ground is in proper condition. We have a superb lot of shapely plants of many varieties of conifers. These are from ten to twenty years of age, and have been several times sheared and transplanted. Those desiring immediate effect will secure it by using the above-mentioned specimens. The prices vary from \$5.00 to \$100.00 each according to size. See "Specimen Conifers," page 52.

PRICES OF SPECIAL COLLECTION OF CONIFERS.

We will supply 10 fine plants, distinct varieties, our selection, 12 to 24 inches, for \$ 4.00
 Or 100 fine plants, in 25 or 30 varieties, our selection, for 30.00

Abies. Fir.

Abies Fraseri. FRASER'S FIR. This is a very desirable variety from the mountains of Carolina. Foliage dark green. Compact; of pyramidal habit.

PRICES: Each 10
 10-12 inches, from pots \$0.50 \$4.00

ARBOR-VITAE. See *Thuya*.

BIOTA. See *Thuya*.

Cedrus. Cedar.

Cedrus atlantica. MOUNT ATLAS CEDAR. Similar to *Cedrus Deodara*, but foliage more compact and of a darker green. The tree attains large and stately proportions. Hardy in New York. Rapid grower and attains a height of 60 to 80 feet.

PRICES: Each 10
 12-15 inches, from pots \$0.50 \$4.00

C. Deodara. HIMALAYAN, or DEODORA CEDAR. The Great Cedar of the Himalayan Mountains. A stately tree, attaining a height of 50 to 75 feet; foliage glaucous green; branches feathery and spreading; perfectly adapted to this climate.

PRICES: Each 10
 18-24 inches \$1.50 \$10.00
 15-18 inches 1.00 8.00
 12-15 inches60 5.00

C. Libanii. CEDAR OF LEBANON. This historical tree needs no introduction on account of its association with antiquity and sacred writings. It is harder than our *Cedrus deodara*. Foliage dark-green, sometimes almost bluish.

PRICES: Each 10
 12-15 inches \$0.50 \$4.00

Cephalotaxus. Yew.

Cephalotaxus drupacea. This is a rare and dwarf-growing Japanese Yew, which is almost trailing in its habit. An excellent plant for rockeries and ground covering, or where a low spreading effect is desired. A most effective plant.

PRICES: Each 10
 15-18 inch spread, from 3-3½ in. pots. \$0.75 \$6.00
 12-15 inch spread, from 3-in. pots. .50 4.00

C. Fortunei. FORTUNE'S YEW. This is a most graceful species, of spreading growth; leaves long, dark green and shining above. Branches long and slender. Attains a height of about 12 to 15 feet.

PRICES: Each 10
 6-7 ft., extra heavy specimens \$5.00
 5-6 ft., extra heavy \$3.00
 4-5 ft., extra heavy 2.00
 3-4 ft., extra heavy 1.50
 30-36 in., very heavy 1.00 \$8.00
 24-30 in., heavy75 6.00
 18-24 in.50 4.00

C. Harringtonia. (*C. pedunculata*). STEM-FRUITED YEW. A medium-sized tree of compact and rather bushy habit; leaves from 1 to 2 inches long, dark



Cedrus deodara.



Cephalotaxus drupacea.

CEPHALOTAXUS.—Continued.

glossy green. A beautiful variety. Ultimate height, 10 to 15 feet.

PRICES:	Each	10
15-18 inches, branched, from pots	\$1.00	\$8.00
12-15 inches, branched, from pots . . . . .	.75	6.00
10-12 inches, branched, from pots . . . . .	.50	4.00

C. Harringtonia fastigiata. **KOREAN YEW.** An upright-growing variety of bushy habit, with narrow, dark green foliage. Very hardy and desirable. Ultimate height, 6 to 8 feet.

PRICES:	Each	10
30-36 inches, well-branched	\$1.25	\$10.00
24-30 inches, well-branched	1.00	8.00
18-24 inches, well-branched . . . . .	.75	6.00
15-18 inches, well-branched . . . . .	.50	4.00

Chamaecyparis

Chamaecyparis Lawsoniana. (*Cupressus Lawsoniana*). **LAWSON'S CYPRESS.** This is an exceedingly beautiful and valuable conifer. Habit of growth varies according to the varieties; some are of a very compact and upright growth while others are drooping; foliage ranges from dark green to glaucous and golden tints. They also vary in height, from 20 to 50 feet.

PRICES:	Each	10
3-4 ft., compact	\$1.50	\$8.00
2-3 ft., compact	1.00	6.00
18-24 inches, compact . . . . .	.75	6.00
15-18 inches, compact . . . . .	.50	4.00

Chamaecyparis. Retinospora.

JAPAN CYPRESS.

Chamaecyparis obtusa nana. (*Retinospora obtusa nana*). **DWARF JAPANESE CYPRESS.** The most dwarf of all the Chamaecyparis; a very compact grower; foliage very dark green; very hardy and desirable; seldom attains a height of over 5 feet. This is a favorite variety used by the Japanese for growing in grotesque shapes.

PRICES:	Each	10
10-12 inches, compact	\$0.75	\$6.00
8-10 inches, compact . . . . .	.50	4.00

C. pisifera. (*Retinospora pisifera*). **PEA-FRUITED CYPRESS.** Foliage bright-green, somewhat pendulous. This is a very valuable and hardy form, and is not commonly grown.

PRICES:	Each	10
24-30 in., compact	1.50	12.50
18-24 in., compact	1.00	8.00
15-18 in., compact . . . . .	.75	6.00
12-15 in., compact . . . . .	.50	4.00

C. pisifera argentea. (*Retinospora pisifera argentea*). **SILVER-TIPPED JAPAN CYPRESS.** A beautiful variety of very dwarf and compact growth. Ends of branches are silver tipped. Very desirable.

PRICES:	Each	10
18-24 inches, very compact	\$2.00	\$15.00
15-18 inches, very compact	1.50	12.50
12-15 inches, very compact	1.00	8.00
10-12 inches, very compact . . . . .	.75	6.00
8-10 inches, very compact . . . . .	.50	4.00

C. pisifera aurea. (*Retinospora pisifera aurea*). **GOLDEN PEA-FRUITED CYPRESS.** In foliage and habit of growth similar to *C. pisifera*, except that the new growth is of a rich, golden hue; a very showy and valuable variety. Ultimate height 20 to 25 feet.

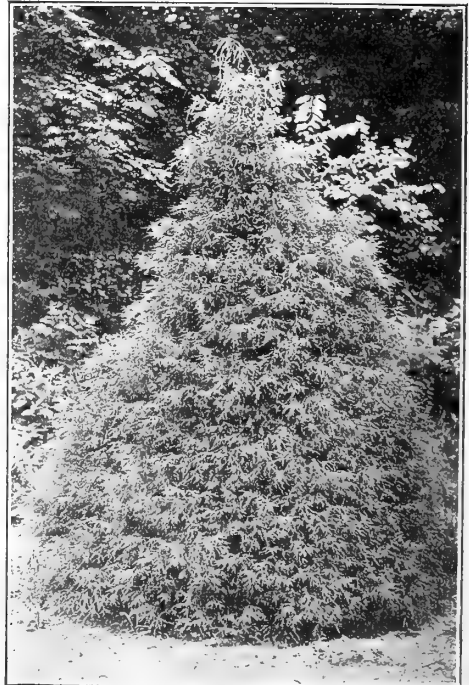
PRICES:	Each	10
4-5 ft., very compact	\$4.00	\$30.00
3-4 ft., very compact	2.50	20.00
2-3 ft., very compact	1.25	10.00
18-24 inches, compact . . . . .	.75	6.00
15-18 inches . . . . .	.50	4.00

C. pisifera filifera. (*Retinospora pisifera filifera*). **THREAD-BRANCHED CHAMAECYPARIS.** A beautiful variety, with light green, thread-like foliage, and slender, drooping branches; of medium height. A very hardy and desirable sort.

PRICES:	Each	10
4-5 ft., compact	\$4.00	\$30.00
3-4 ft., compact	3.00	24.00
30-36 in., compact	2.00	15.00
24-30 in., compact	1.50	12.50
18-24 in., compact	1.00	8.00
15-18 in., compact . . . . .	.75	6.00
12-15 in., compact . . . . .	.50	4.00

C. pisifera filifera aurea. (*Retinospora pisifera filifera aurea*). Similar to *C. pisifera filifera*, but the slender, drooping foliage is golden; of dwarf growth; very desirable where a low effect is wanted.

PRICES:	Each	10
18-24 inches, compact	\$2.00	\$15.00
15-18 inches, compact	1.50	12.50
12-15 inches, compact	1.00	8.00
10-12 inches, compact . . . . .	.75	6.00



Chamaecyparis pisifera filifera.



Chamaecyparis pisifera squarrosa Veitchii.

CHAMAECYPARIS—(Continued)

C. pisifera filifera aurea Fulleri. (*Retinospora Fulleri aurea*). A form of *C. pisifera filifera aurea*, but of more intense golden hue. A very beautiful and rare form.

PRICES:	Each	
3-3½ ft., compact	\$3.00	
2-3 feet	2.00	
18-24 inches	1.50	
15-18 inches	1.00	
12-15 inches	.75	

C. pisifera plumosa. (*Retinospora pisifera plumosa*). **PLUME-LIKE CYPRESS.** A rapid growing variety, with exquisite dark green foliage, the ends of the limbs drooping. Ultimate height, 10 to 15 feet.

PRICES:	Each	10	100
30-36 in., very compact	\$2.00		
24-30 in., very compact	1.50	\$12.50	
18-24 in., compact	1.00	8.00	\$60.00
15-18 in., compact	.75	6.00	50.00
12-15 in., compact	.50	4.00	30.00

C. pisifera plumosa aurea. (*Retinospora plumosa aurea*). **GOLDEN PLUMED CYPRESS.** This is one of the best, hardiest and most desirable *Chamaecyparis*. Vigorous grower. Retains its color constantly; attractive. Ultimate height, 15 to 25 feet.

PRICES:	Each	10	100
3-4 ft., compact specimens	\$3.00		
30-36 inches, very compact	1.50		
24-30 inches, very compact	1.25	\$10.00	
18-24 inches, very compact	1.00	8.00	
15-18 inches, very compact	.75	6.00	\$50.00
12-15 inches, compact	.50	4.00	30.00

C. pisifera squarrosa Sieboldii. (*Retinospora pisifera squarrosa Sieboldii*). A rather dwarf but compact grower. Foliage bluish, changing to a purplish hue in winter; an attractive and conspicuous variety.

PRICES:	Each	10
24-30 inches, compact	\$1.00	
18-24 inches, compact	.75	\$6.00
15-18 inches, compact	.50	4.00

C. pisifera squarrosa Veitchii. (*Retinospora pisifera squarrosa Veitchii*). **VEITCH'S SILVER CYPRESS.** Rapid grower; heath-like foliage; bluish green; handsome and distinct. Ultimate height, 15 to 25 feet.

PRICES:	Each	10
24-30 inches, compact	\$1.50	\$10.00
18-24 inches, compact	1.00	8.00
15-18 inches, compact	.75	6.00
12-15 inches, compact	.50	4.00

Cryptomeria

Cryptomeria japonica. **JAPANESE CEDAR.** A great favorite in Japan. The famous avenue of *Cryptomeria* leading to Nikko is considered one of the best avenues in the world. The tree is of graceful and rapid growth; attains a height of 100 or more feet. Regular pyramidal habit. The foliage resembles that of the Norfolk Island Pine. Hardy in New England in sheltered places.

PRICES:	Each	10
12-15 inches, from pots	\$0.50	\$4.00
8-12 inches, from pots	.35	3.00

Cunninghamia

Cunninghamia lanceolata. (*C. sinensis*). **CHINESE PINE.** A beautiful tree, resembling somewhat the araucaria. Leaves lance-like on horizontal branches; rapid and symmetrical grower. Attains a height of 80 ft. Very scarce.

PRICES:	Each	
12-15 inches, from pots	\$1.25	
10-12 inches, from pots	1.00	
8-10 inches, from pots	.50	

CUPRESSUS LAWSONIANA. See *Chamaecyparis*

Lawsoniana.

Cupressus. Cypress.

Cupressus sempervirens Royalii. Similar in habit of growth to *Cupressus pyramidalis*, but more compact and shaft-like. Forms a main stem from which very small branches radiate. A very distinct and desirable species. Grows to a height of 50 to 60 feet.

PRICES:	Each	10
3-4 ft.	\$1.25	\$10.00
30-36 inches	1.00	8.00
24-30 inches	.75	6.00
18-24 inches	.50	4.00

C. sempervirens stricta. (*C. sempervirens pyramidalis*). **ORIENTAL, or ITALIAN CYPRESS.** This well known and popular Conifer is most desirable where a formal effect is desired. It is of compact and shaft-like habit; ultimate height, 60 to 80 feet.

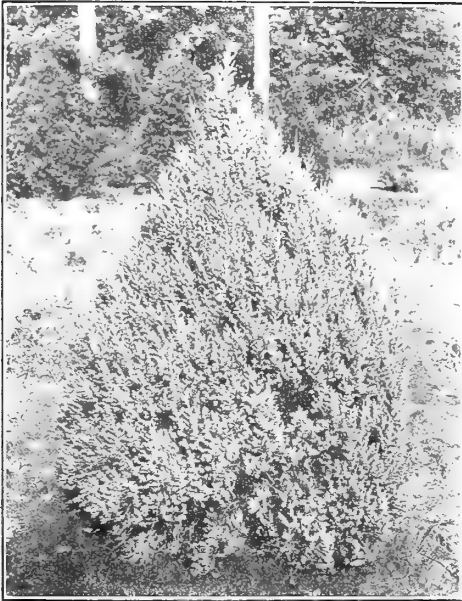
PRICES:	Each	10
3-4 ft.	\$1.25	\$10.00
30-36 inches	1.00	8.00
24-30 inches	.75	6.00
18-24 inches	.50	4.00

Juniperus. Juniper.

Conifers of easy growth, hardy and long-lived. This splendid group is becoming annually more popular. They are most effective in landscape plantings. The different tones of green are very pleasing when properly planted in groups, using the taller varieties for the background and graduating the plants until the creeping forms are in front; thus forming an exquisite effect.

Juniperus chinensis albo-variegata. (*J. chinensis argentea variegata*). **VARIEGATED CHINESE JUNIPER.** Foliage somewhat similar to *J. Japonica*, but plant is more compact and dwarf growth; branches beautifully variegated gold and yellow. This is a very hardy and most desirable variety.

PRICES:	Each	10
3½-4 ft., compact specimens	\$5.00	\$40.00
3-3½ ft., compact specimens	3.50	30.00
30-36 inches, compact specimens	2.50	20.00
24-30 inches, compact	2.00	
18-24 inches, compact	1.25	
15-18 inches	.75	6.00
12-15 inches	.50	4.00



Juniperus chinensis albo-variegata.

JUNIPERUS—(Continued)

J. communis. EUROPEAN, or COMMON JUNIPER. One of the best and hardiest varieties with spreading, erect branches. There are several forms of this Juniper, some of them forming a tree 30 to 40 ft. high.

PRICES:	Each	10
3-4 ft., very heavy, compact specimens	\$1.50	
2-3 ft., heavy, compact	1.00	\$8.00
18-24 inches, compact	.75	6.00
15-18 inches, compact	.50	4.00

J. communis aurea. GOLDEN JUNIPER. A beautiful form of almost trailing habit. Foliage of bright golden hue. Very hardy. A most desirable and effective Juniper.

PRICES:	Each	10
24-30 inch spread, very heavy	\$2.00	
15-20 inch spread	1.00	
12-15 inch spread	.75	\$6.00
10-12 inch spread	.50	4.00

J. communis hibernica. IRISH JUNIPER. A distinct and beautiful variety of erect, dense, columnar shape, resembling a pillar of green. Attains a height of 8 to 10 feet.

PRICES:	Each	10	100
6-7 ft., very heavy	\$3.00		
5-6 ft., very heavy	2.00		
4-5 ft., very heavy	1.50	\$12.50	
3-4 ft., heavy	.75	6.00	
2-3 ft., heavy	.50	4.00	\$35.00
18-24 inches	.40	3.50	30.00

J. communis oblonga. NEPAUL JUNIPER. Upright habit, with slender, diverging and recurving branches. Can be sheared in different shapes. Ultimate height, 10 to 15 feet.

PRICES:	Each	10
30-36 inches by 30-36 inches spread, extra heavy specimens	\$2.50	
24-30 inches by 24-30 inches spread, extra heavy specimens	2.00	\$17.50
18-24 inches, very bushy	1.00	8.00
15-18 inches	.50	4.00

J. communis suecica. SWEDISH JUNIPER. Foliage light green; very compact. Ultimate height, 10 feet.

PRICES:	Each	10
18-24 in., heavy	\$0.75	\$6.00
15-18 in., heavy	.50	4.00

J. japonica. (*J. chinensis japonica*). JAPANESE JUNIPER. One of the most desirable of all the Junipers. It adapts itself to a great range of climate, temperature and soil. A distinct and beautiful variety with bright-green foliage which does not change during winter; of pyramidal and compact growth. Ultimate height, 15 to 20 feet.

PRICES:	Each	10
24-30 inches, heavy	\$1.50	
18-24 inches	1.00	\$8.00
15-18 inches	.75	6.00
12-15 inches	.50	4.00

J. Sabina. SAVIN JUNIPER. A dwarf, trailing variety. Very desirable and suitable for rock work.

PRICES:	Each	10
24-30 inches, very bushy	\$2.00	
18-24 inches, very heavy	1.00	
15-18 inches, very heavy	.75	\$6.00
12-15 inches	.50	4.00

J. Sabina cupressifolia. A procumbent variety of much beauty. Foliage bluish-green; almost creeping in habit.

PRICES:	Each	10
15-18 inches, heavy	\$1.00	
12-15 inches, heavy	.75	\$6.00
12-15 inches, heavy	.50	4.00

J. Sabina tamariscifolia. TAMARIX-LEAVED JUNIPER. A dwarf, almost trailing variety; leaves on the matured part of the branches needle-shaped, of a grayish-green. Very beautiful.

PRICES:	Each	10
15-18 inches, heavy	\$1.00	
12-15 inches, heavy	.75	\$6.00
10-12 inches, heavy	.50	4.00

J. Squamata. TRAILING JUNIPER. A very hardy trailing variety of great merit. Foliage glaucous green. A most valuable plant for rockeries, slopes or where a trailing effect is desired.

PRICES:	Each	10
24-30 inch spread, very heavy	\$2.50	
18-24 inches, heavy	1.50	\$12.50
15-18 inches	1.00	8.00
12-15 inches	.75	6.00
10-12 inches	.50	4.00



Juniperus communis.

AUGUSTA, GEORGIA.

J. virginiana. RED CEDAR. Our native Cedar. Can supply a fine lot of nursery-grown, transplanted plants.

PRICES:	Each	10
6-8 ft., compact specimens	.....	\$5.00
5-6 ft., compact specimens	.....	3.00
2-3 ft.	.....	.75 \$6.00

J. virginiana glauca. BLUE VIRGINIA CEDAR. Similar in growth to the common Cedar. Foliage a rich silvery blue, retaining its color well through the entire year. A magnificent variety.

PRICES:	Each	10
5-6 ft., compact specimens	.....	\$5.00
4-5 ft., compact specimens	.....	4.00
3-4 ft., compact	.....	2.00
2-3 ft.	.....	1.00
18-24 inches	.....	.75 \$6.00
15-18 inches	.....	.50 4.00



Libocedrus decurrens.



Pinus excelsa.

Libocedrus.

Libocedrus decurrens. INCENSE or WHITE CEDAR. A tall, stately tree of compact, upright growth; foliage beautiful, dark-green. A native of the north-western section of America; attains a height of 75 to 100 feet.

PRICES:	Each	10
24-30 inches, compact	.....	\$1.50
18-24 inches, compact	.....	1.00 \$8.00
15-18 inches	.....	.75 6.00
12-15 inches	.....	.50 4.00

Pinus. Pine.

Pinus Coulteri. (*P. macrocarpa*). PITCH PINE. A desirable variety from California, attaining a height of about eighty feet. Branches stout, pendulous below and ascending above, forming a loose pyramidal head. Leaves dark bluish green. Not hardy north, but a very desirable variety for the south.

PRICES:	Each	10
12-15 inches	.....	\$0.50 \$4.00

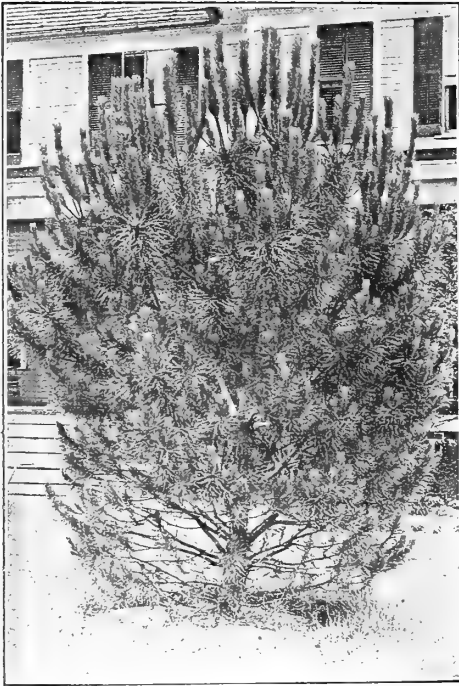
P. densiflora. JAPANESE RED PINE. This is the pine which is dwarfed by the Japanese, but if allowed to grow the tree will attain a height of 75 to 100 feet. A rapid and hardy grower; leaves slender, bright, bluish green, 3 to 5 inches long. A very ornamental variety.

PRICES:	Each	10
3-4 ft., well-branched	.....	\$1.00
2-3 ft., well-branched	.....	.75 \$6.00
15-18 inches, branched	.....	.50 4.00

P. excelsa. (*P. Nepalensis*). BHOTAN PINE. Resembles the native White Pine, but leaves much longer and more glaucous, and of more graceful habit; a tree of more compact growth; hardy as far north as Massachusetts, and does remarkably well in the South. In India it is known as the "Drooping Fir."

PRICES:	Each	10
2-3 ft., heavy, well-branched	.....	1.25
18-24 in., heavy, well-branched	.....	1.00 \$8.00
15-18 in., heavy, well-branched	.....	.75 6.00
12-15 in., well-branched	.....	.50 4.00

P. J. BERCKMANS CO.



Japanese Red Pine.
PINUS—(Continued)

P. koraiensis. **KOREAN PINE.** This is a beautiful and very hardy Pine of dense and rather dwarf growth; leaves glossy dark green on convex side; bluish-white on flat side. This is a most desirable variety of Pine for this section.

PRICES:	Each	10
2-3 ft., well-branched	\$1.50	
18-24 in., well-branched	1.00	
15-18 in.	.50	\$4.00

P. Pinaster. (*P. maritima*). **CLUSTER PINE.** Of a pyramidal growth, with spreading branches, slightly pendulous; a rapid grower. Branches reddish-brown; leaves twisted, of a bright, glossy green. Does well near the coast. Ultimate height 60 to 80 feet.

PRICES:	Each	10
4-5 ft., heavy, well-branched	\$2.00	
3-4 ft., heavy, well-branched	1.50	
2-3 ft., heavy, branched	1.00	
18-24 inches	.50	\$4.00

NOTE—We have a limited supply of additional varieties of Pines: Torreyana, Montana, Parryana, etc.

RETINOSPORA. See Chamaecyparis.

TAXODUM. Bald Cypress.

See Under Deciduous Trees.

Thuja. Arbor-Vitae. American Varieties.

Thuja occidentalis. **AMERICAN ARBOR-VITAE.** A variety which grows naturally from Nova Scotia to the mountains of north Georgia. In this locality it will attain a height of 15 to 25 feet. Of erect form; adapts itself to a wide range of territory and soils. Very popular in the East and West for hedge purposes. Desirable as single specimens.

PRICES:	Each	10
18-24 inches, very compact	\$1.00	\$8.00
15-18 inches, compact	.50	4.00

T. occidentalis elegantissima. **PEABODY'S GOLDEN ARBOR-VITAE.** Of dwarf, compact growth; foliage of bright golden color, which is intensified during winter.

PRICES:	Each	
18-24 in., compact	\$1.00	
15-18 in., compact	.75	
12-15 in.	.50	

T. occidentalis globosa. **GLOBE ARBOR-VITAE.** A very dwarf, compact variety of spherical growth; stands shearing well; fine for formal effect, also for vases. Ultimate height 4 to 6 feet.

PRICES:	Each	10
18-24 inches, very compact	\$1.25	\$10.00
15-18 inches, very compact	1.00	8.00
12-15 inches, compact	.50	4.00

T. occidentalis plicata. (*T. Lobbi*; *T. gigantea*). **LOBB'S ARBOR-VITAE.** A tall-growing variety from California. In this section will not attain a height of over 15 to 25 feet; compact grower; foliage glossy green.

PRICES:	Each	10
24-30 inches, very compact	\$1.50	
18-24 inches, very compact	1.00	\$8.00
12-15 inches, compact	.50	4.00

T. occidentalis pumila. **BOOTH'S ARBOR-VITAE.** A very dwarf, compact grower, with bright-green foliage; globe-like form; very desirable where formal effect is desired. Ultimate height 4 to 5 feet.

PRICES:	Each	10
18-24 inches, very compact	\$1.50	
12-15 inches, very compact	1.00	\$8.00
10-12 inches, compact	.50	4.00

T. occidentalis Reidi. A somewhat dwarf variety of rather slow growth; of compact, pyramidal habit; a rare and desirable variety; attains an ultimate height of 10 to 15 feet.

PRICES:	Each	
18-24 inches, compact	\$1.00	
15-18 inches, compact	.75	
12-15 inches, compact	.50	



Thuja orientalis aurea conspicua
and *Cedrus Deodara*.

AUGUSTA, GEORGIA.

THUYA—(Continued)

T. occidentalis Vervaeana. VERVAENE'S ARBOR-VITAE. Of smaller, denser habit than the type. Slender branches, foliage slightly variegated with yellow, which, in winter, turns to bronze.

PRICES: Each
18-24 inches, very compact\$1.50

Thuya

ASIATIC VARIETIES (BIOTA).

Thuya orientalis aurea conspicua (*Biota aurea conspicua*). Originated by us; of compact, erect and symmetrical habit. Foliage intense gold; some of its branches being of a solid metallic tint, others suffused with green. As its name implies, it is most conspicuous; easily grown; and has stood perfectly in the east and west 20 degrees below zero. The original plant now stands in our grounds at Augusta, Georgia.

PRICES: Each 10
5-6 ft., beautiful, compact specimens... \$5.00
4-5 ft., beautiful, compact specimens .. 3.50
3-4 ft., compact specimens 2.50
30-36 inches, compact 1.50 \$10.00
24-30 inches, compact 1.00 8.00
24 inches, stocky75 6.00
18 inches, stocky50 4.00

T. orientalis aurea nana. (*Biota aurea nana*). BERCKMANS' GOLDEN ARBOR-VITAE. The most popular Thuya grown. Originated by us at Augusta. This



Thuya orientalis aurea nana (Berckmans' Golden Arbor-vitae).

conifer is of dwarf, compact and symmetrical habit. A perfect gem for small gardens or cemetery lots. For window boxes and vases this plant is most effective. It is desirable where it is too cold for Palms and other decorative plants. For formal planting it is at its best. When planted in high, well-drained soils and in a protected situation the plants have stood 15 below zero without injury.

PRICES: Each 10 100
30-36 inches, beautiful compact specimens\$2.50
24-30 inches, beautiful compact specimens 2.00 \$17.50
20-24 inches, compact specimens 1.25 10.00 \$80.00
15-20 inches, compact 1.00 8.00 60.00
12-15 inches, compact75 6.00 50.00
10-12 inches, compact50 4.00 35.00

T. orientalis aurea pyramidalis. (*Biota aurea pyramidalis*). Originated by us. Of erect, symmetrical and compact growth. Of beautiful, golden tint. Its columnar habit adapts it to formal planting and suits it to lawn planting and evergreen groups. Will attain a height of 20 to 25 feet.

PRICES: Each 10
5-6 ft., beautiful, compact specimens... \$5.00
4-5 ft., beautiful, compact specimens... 3.50
3-4 ft., beautiful, compact specimens... 2.50 \$20.00
30-36 inches, compact 1.50 10.00
24-30 inches, compact 1.00 8.00
24 inches, stocky75 6.00
18 inches, stocky50 4.00

T. orientalis pyramidalis. (*Biota pyramidalis*). In this we have succeeded in getting a form of the pyramidal arbor-vitae which does not become brown during winter, but retains constantly its bright-green color; of compact and pyramidal habit. A plant which fills a long-felt want.

PRICES: Each 10
5-6 ft., beautiful, compact specimens... \$4.50
4-5 ft., beautiful compact specimens ... 3.50
3-4 ft., compact specimens 2.50 \$20.00
30-36 inches, compact specimens..... 1.50 10.00
24-30 inches, compact 1.00 8.00
18-24 inches, compact50 4.00



Thuya Reidii.

P. J. BERCKMANS CO.

THUYA—(Continued)

T. orientalis Sieboldii. (*Biota japonica filiformis*). A Japanese variety with thread-like foliage; compact habit. We consider this one of the most distinct and desirable novelties, and it is becoming a great favorite. Well suited for cemeteries; also desirable for tubs. Attains a height of 10 to 15 feet.

PRICES:	Each	10
4-5 ft., beautiful, compact specimens...	\$5.00	
3-4 ft., beautiful, compact specimens...	3.50	\$30.00
36 inches, beautiful, compact specimens.	2.50	20.00

All the above Arborvitae have abundant small roots, and transplant well.

Specimen Conifers

We have a remarkably fine lot of specimen conifers which have been very carefully grown. They have been several times transplanted and sheared and are, therefore, perfect specimens in every way. Many of the plants offered are 25 years of age. As these large conifers have been several times transplanted they lift with a large ball of earth about the roots, this is carefully wrapped in burlaps. In shipping the plants they are carefully crated, except in carload lots when it is not necessary to crate them. Prospective purchasers would do well to look over our stock.

Chamaecyparis pisifera. (*Retinospora pisifera*).

PRICES:	Each	
10-12 ft. by 9-10 ft., beautiful, compact, sheared specimens		\$60.00
8 ft. by 7 ft., beautiful, compact, sheared specimens		35.00
7-8 ft. by 7 ft., beautiful, compact, sheared specimens		25.00

Chamaecyparis pisifera argentea. (*Retinospora pisifera argentea*).

PRICES:	Each	
4½ ft. by 6 ft., beautiful, compact, sheared specimens		\$25.00
3 ft. by 4 ft., beautiful, compact, sheared specimens		7.50
30 inches by 30 inches, beautiful, compact specimens		5.00

Chamaecyparis pisifera aurea. (*Retinospora pisifera aurea*).

PRICES:	Each	
6-7 ft. by 6 ft., beautiful, compact, sheared specimens		\$20.00
6-7 ft. by 5 ft., beautiful, compact, sheared specimens		17.50

Chamaecyparis pisifera plumosa. (*Retinospora pisifera plumosa*).

PRICE:	Each	
12 ft. by 7 ft., compact specimens		\$60.00

Chamaecyparis pisifera plumosa aurea. (*Retinospora pisifera plumosa aurea*).

PRICES:	Each	
7-7½ ft. by 6-6½ ft., beautiful, compact, sheared specimens		\$25.00
5-6 ft. by 5 ft., beautiful, compact, sheared specimens		15.00
4½ ft. by 3 ft., beautiful, compact, sheared specimens		10.00

Juniperus chinensis albo-variegata. (*J. chinensis argentea variegata*).

PRICES:	Each	
5-6 ft. by 3 ft. spread, very compact specimens		\$7.50
4-5 ft. by 30-36 inches, very compact specimens		6.00

Thuja occidentalis Reiddii.

PRICES:	Each	
9-10 ft. by 6-7 ft., beautiful, compact specimens		\$35.00
7-8 ft. by 6 ft., beautiful, compact specimens		15.00

Thuja orientalis aurea conspicua. (*Biota aurea conspicua*).

PRICES:	Each	
14 ft. by 40-44 inches diameter, beautiful, compact specimens		\$50.00
11-12 ft. by 36-40 inches, diameter, beautiful, compact specimens		40.00
10-11 ft. by 36 inches diameter, beautiful, compact specimens		30.00
9-10 ft. by 30-36 inches diameter, beautiful, compact specimens		20.00
8-9 ft. by 24-30 inches diameter, beautiful, compact specimens		15.00

Thuja orientalis aurea pyramidalis. (*Biota aurea pyramidalis*).

PRICES:	Each	
8-10 ft. by 30 inches diameter, perfect, compact specimens		\$20.00
7-8 ft. by 24-30 inches diameter, perfect, compact specimens		7.50

Thuja orientalis Sieboldii. (*Biota japonica filiformis*).

PRICE:	Each	
6 ft. by 4 ft., compact specimens		\$7.50

In addition to the above Specimen Conifers, we can supply some beautiful plants of a few other sorts. Prices and description will be given upon application.

Roses

All of the roses described in this catalog have been thoroughly tested in our grounds. We try out annually all of the leading new sorts, many of which will never appear in our catalog, as they failed to measure up to our standard. Before sending roses to our clients we must be assured that they are good growers and free bloomers. Of course, some roses will give better results in certain localities than others, and some of the forcing roses will not stand in open ground, and vice-versa. Strong, field-grown roses have always been one of our specialties. For many years our roses have been noted for their sturdiness and unusual vigor. Roses grown at Augusta are giving splendid results in Canada and other cold sections.

Our soil is especially adapted to developing the rose properly. Our one year, field-grown plants equal the average two-year, field-grown plants of the North and West.

No garden, it matters not how small, is complete without roses, and every landscape scheme should be provided with a place for the rose.

We grow roses on own roots, also budded on Manetti. Some varieties of roses do not give satisfactory results unless budded. These budded roses are especially desirable for Florida and sub-tropical sections, as their roots penetrate the soil to a greater depth than the own root plants.

DIRECTIONS FOR GROWING ROSES.

Soil and Preparation of Same.—The rose will adapt itself to almost any well-drained soil, but will give best results when planted in a good, rich, deep loam which has been thoroughly drained and well fertilized. If, however, the soil is thin and sandy it is advisable to add a good proportion of heavy soil. It is best to plant roses in an open, sunny place where the plants will be exposed to a full light. Never plant roses under large trees or where the ground is taken up by the roots of adjacent trees. You can never expect to get good results unless the ground is kept free from grass and weeds and thoroughly cultivated. A mulching of straw, leaf mold, leaves, or thoroughly rotted cow manure is beneficial. During the growing season it is advisable to fertilize roses from time to time, using bone meal, well-rotted cow manure or liquid manure, apply at intervals of a month or six weeks. So soon as the fertilizer is applied it should be worked into the soil.

Never use a spade in rose bed, but use a digging fork, as this is less likely to cause injury to the roots. After the beds have been cultivated, rake the surface smooth and even. Frequent stirring of the surface is beneficial. A top dressing of hardwood ashes is excellent.

AUGUSTA, GEORGIA.

Planting.—We cannot emphasize too greatly the necessity of pruning all roses before transplanting. All weak growth should be cut out, leaving only the stoutest and most vigorous shoots, and these must be cut back to within 3 to 6 inches of the ground. Of course, the length to which these branches are to be cut back depends upon the vigor of the plant. The hole in which the plants are to be set must be of ample size. Place the plant in the hole about 1 inch deeper than it stood in the nursery row, provided it is on its own roots. Budded roses should have the budded portion set 2 to 3 inches below the level. Fill the hole half-full of soil, pour in water, let this settle, put in some more earth, firm this well about the roots, then fill in the hole and firm when the job is completed.

Water the plants whenever needed, and keep the soil well cultivated.

Pruning.—This should not be done too early in the winter in this section. We have found from experience that if roses are trimmed before January 1st, they sometimes, during warm winters, start an early growth, and consequently the plants are killed by the heavy frosts in February. About two thirds of the past year's growth should be cut off, and all of the small, weak shoots and all decayed wood cut out. When pruning cut close to an eye or to the main stem of the plant. Do not leave ragged or jagged stems, as these decay and injure the plants. The more vigorous the variety the less it should be pruned. Climbing roses should have only their side branches shortened in. Do not disturb the main stem.

Note.—The pruning directions in the above paragraph refer to roses which have been planted more than a year.

We frequently receive complaints from our patrons who order late in the spring. They state that the flowers produced are inferior and do not come up to description. It should be understood that perfect flowers cannot be had when the plants are set out late in February or March, and which produce blooms before they are well established. But if these plants are allowed to grow until the following fall and receive the proper treatment as to pruning, fertilization and cultivation, there will be no cause for complaint.

Note.—The letter following each Rose denotes the class to which it belongs, (T.) Tea, (H. T.) Hybrid Tea, (C.) China, (H. P.) Hybrid Perpetual, (N.) Noisette, (P.) Polyantha, (R.) Rugosa, (W.) Wichuriana, (B.) Bourbon.

New and Scarce Roses

PRICES	Each	10	100
One-year, strong, field-grown...	\$0.50	\$4.00	\$30.00

British Queen. (H. T.) A new English rose. Awarded gold medal at the National Rose Association of England. Before expanding the bud is slightly tinted pink, but pure white when fully developed; free flowering; very fragrant.

Herzogin Marie Antionette. (H. T.) Buds very long; pure orange; flowers very large and of perfect form. A fine yellow rose.

Hugo Roller. (T.) Large; full; rich lemon-yellow, petals edged and suffused with crimson; very free bloomer.

Jonkeer J. L. Mock. (H. T.) A very strong grower and free bloomer; blooms clear imperial pink; of perfect form and very fragrant. Magnificent bedding variety.

La Tosca. (T.) Pink, tinted flesh. Flowers large, very double. Vigorous grower, free bloomer.

Lady Hillingdon. (T.) Apricot yellow; beautiful bud; strong and vigorous grower; free bloomer; excellent.

Lyon. (H. T.) Buds long, tipped coral-red and chrome yellow at base; when buds are fully opened the color is salmon pink shaded chrome in center, very desirable.

Marie de LeSalle. (H. T.) Very free bloomer; buds long, opening into flowers of fine form; petals large; color bright cerise, reverse of petals carmine; very double.

Mme. Meleine Soupert. (T.) Yellow, center deeper, edged and shaded apricot. Buds long.

Melle Blanche Martignat. (T.) Beautiful peach pink tinted yellow and crimson; free bloomer; fine foliage; bud long and pointed.

Mme. Segond Webber. (T.) Bud is long and of rosy-salmon or flesh-color, and color deepens as the bloom expands; a most desirable variety.

Mrs. Foley Hobbs. (T.) Petals thick and of immense size; large blooms; white faintly tinted pink on edge of petals; very fragrant.

Mrs. Geo. Sawyer. (T.) This variety is already a great favorite. It is a free bloomer and a vigorous grower. The color is a bright pink; long pointed buds; stems very long.

Senateur Mascarand. (H. T.) Deep orange-yellow, lighter at edge of petals; flowers large and full; a good grower and a free bloomer.

Silver Moon. (Climber.) Flowers very large, four and one-half inches in diameter; pure white. Petals of splendid substance, beautifully cupped. The bright yellow stamens add to the attractiveness of this rose.

Flowers are borne on long stems, and are delicately scented. Strong grower; beautiful foliage; free bloomer. A most desirable new climber.

Sunburst. (T.) This beautiful Rose has been tested for three years, and it easily stands at the head of all sorts of its color. The color is a most pleasing shade of yellow and orange; buds long and pointed; plant vigorous and healthy; blooms keep for a long time after being cut. A grand Rose.

Yvonne Vacherot. (H. T.) Light pink, reverse of petals deeper. Long pointed buds; large blooms. Vigorous grower, profuse bloomer.

Note.—In addition to the above new roses we can supply a few plants each of other desirable new varieties. Some of the roses above enumerated can only be supplied budded on Manetti stock. The prices as above quoted apply to plants on own roots or budded.

Roses on Their Own Roots

PRICES, except where noted:	Each	10	100
Purchaser's selection, strong, one-year, field-grown plants.	\$0.25	\$2.50	\$20.00
Our selection, in 25 or 50 varieties, strong, one-year, field-grown plants	.25	2.00	17.50
Can supply a limited number of strong, two-year, field-grown Roses of nearly all of the varieties listed below.	.50	3.50	30.00

Antoine Rivoire. (T.) Yellow, tinted rosy flesh, with a border of carmine. Good form. A fine rose.

Archduke Charles. (C.) Opens red changing to silvery pink.

Blumenschmidt. (H. T.) Pure citron yellow; outer petals edged tender rose; vigorous grower; fine variety.

Catherine Zeimet. (P.) (*Double White Baby Rambler*). This is a very profuse and perpetual bloomer; the buds are pure white, about one to one and one-fourth inches in diameter; plant grows to a height of about twenty inches; compact habit; excellent for a dwarf hedge. Price \$15.00 per 100.

Clothilde Soupert. (P.) Flowers 1½ inches in diameter, beautifully formed; white, with rose or light carmine center; a constant bloomer; a desirable variety for cemeteries.

Col. R. S. Williamson. (T.) Satiny-white with deep flesh center; flowers very full, of perfect form, with high pointed center. A fine rose.

Dean Hole. (H. T.) Deep salmon-pink; buds very long; a very fine, vigorous and free-blooming variety.

ROSES ON THEIR OWN ROOTS—(Continued)

Duchesse de Brabant. (*Comtesse de Labarthe*). (T.) Pink shaded to carmine; a favorite and a hardy old variety.

Etoile de France. (T.) A very vigorous grower. Flowers very large, full, cupped; dark, velvety crimson center vivid cerise. A fine new variety.

Etoile de Lyon. (T.) Golden yellow; very double, vigorous; a free bloomer; very fragrant.

F. R. Patzer. (H. T.) Beautiful and free-blooming; robust, of erect growth; profuse bloomer; flowers creamy-buff, back of petals pink, as the bud opens it changes to light pink; very fragrant.

Freiherr Von Marshall. (T.) A double form of Papa Gontier. Flowers large and full; color dark carmine-red; buds long; a very free and vigorous grower; foliage very beautiful and distinct.

Gen. Jacqueminot. (H. P.) Brilliant crimson, fragrant; a favorite old variety.

Gen. McArthur. (H. T.) Dark, velvety scarlet; large, free bloomer; fragrant.

Gruss an Teplitz. (H. T.) Bright crimson; very full; free bloomer. Very good.

Helen Gould. (*Baldwin*). (H. T.) Rosy pink; long, pointed buds. Fine.

Kaiserin Augusta Victoria. (H. T.) Creamy white; very double; buds large and pointed. Best white Hybrid Tea grown.

Killarney. (H. T.) A favorite rose, of brilliant silvery-pink; beautiful in bud; flowers large; free bloomer and strong grower.

La France. (H. T.) One of the best-known Roses. Silvery peach; excellent; weak grower.

Maman Cochet. (T.) Deep rose-pink; inner side of petals silvery rose; very double. Extra strong grower; fine bloomer. The finest Rose by far that has been introduced for a long time.

Margaret Dickson. (H. P.) A fine Rose; vigorous grower; flowers white, tinted pink near center.

Marie Pavie. (P.) Pale rose, changing to white; most valuable for low hedges; a most profuse blooming Polyantha; blooms continuous from early spring until frost. Price \$15.00 per 100.

Marie Van Houtte. (T.) Pale yellow, edged rose. Very fine.

Marshall P. Wilder. (H. P.) Cherry carmine; free bloomer, very fine.

Meteor. (H. T.) Dark, velvety crimson. Vigorous grower and profuse bloomer.

Mme. Caroline Testout. (H. T.) A magnificent Hybrid Tea, of the very loveliest shade of pink.

Mme. Eugene Marlatte. (T.) Brilliant red; strong grower; perpetual bloomer.

Mme. Francisca Kruger. (T.) Large, double, coppery-yellow shading to peach; of strong and vigorous growth.

Mme. Helene Gambier. (H. T.) Rosy-salmon with deeper shading; very double and full; an excellent variety.

Mme. Jules Grolez. (H. T.) Satiny-rose color; flowers large, very double; a profuse and free bloomer.

Mme. Lambard. (T.) Bright red; large, full and fragrant.

Mme. Plantier. (H. N.) Bears thousands of pure white, medium-sized flowers. Profuse bloomer in early spring only. Desirable for massing, and as hardy as an oak. Price \$15.00 per 100.

Mme. Valerie Baumez. (H. T.) Flowers exquisitely tinted cream, yellow and orange. Good form; an excellent rose.

Papa Gontier. (T.) Brilliant carmine, tinted rose; finely formed buds.

Paul Neyron. (H. P.) The flowers are immense; probably the largest Rose. Bright, shining pink, clear and beautiful; double and full; finely scented; blooms all summer.

President Taft. (T.) A beautiful shade of deep, shining pink; blooms very large and of fine form; very fragrant. This Rose is in a class by itself.

Radiance. (T.) Bud large. Brilliant rosy carmine. The opening flowers show a beautiful tint of opal pink. Continuous bloomer, very fragrant.

Rhea Reid. (H. T.) One of the best Roses of recent introduction. A cross of American Beauty with a red seedling. A vigorous and rapid grower. As large as American Beauty; very double and fragrant; continuous bloomer. Beautiful shade of red.

Rugosa rubra. (R.) A popular variety for planting in masses or for hedges. Large single crimson flowers, followed by glossy red berries.

Souv. de La Malmaison. (B.) Large, very full; flesh colored. A very free bloomer; an old favorite.

Souv. Pres. Carnot. (T.) Delicate rosy-flesh shading deeper to center. A beautiful rose.

Ulrich Brunner. (H. P.) Cherry red; very large; fine bloomer, extra good form.

Wellesley. (T.) Beautiful pink; the reverse side of the petals silvery.

White Maman Cochet. (T.) Pure white, sometimes tinged blush. A superb Rose.

Wm. Shean. (H. T.) Strong grower, throwing up long, stiff canes, crowned with large, pointed flowers of a Killarney-pink. Fine form; free and perpetual bloomer. A grand Rose.

Wm. E. Smith. (H. T.) A variety combining the good qualities of K. A. Victoria and Maman Cochet. A very free blooming and upright and vigorous grower; flowers creamy-white with shadings of pink.

Climbing Roses on Own Roots

PRICES, except where noted:	Each	10	100
Purchaser's selection, strong, one-year, field-grown plants.	\$.025	\$2.50	\$20.00
Our selection, strong, one-year field-grown plants	.25	2.00	17.50
Can supply a limited number of strong, two-year, field-grown Roses of nearly all of the varieties listed below	.50	3.50	30.00

Banksia, White. The flowers of this very desirable Rose are pure white, violet-scented, very small, double and borne in umbels of twelve to fifteen blossoms. Spring bloomer.

Banksia, Yellow. Identical with White Banksia in all particulars except the color, which is a clear, sulphur yellow; spring bloomer.

Cherokee (*Rosa laevigata*). The well-known Cherokee of the South, where it has become naturalized; it is, however, a native of China. A vigorous and rampant climber. Large, single white, fragrant flowers produced in early spring in great profusion; ever-green; foliage bright, glossy green; most desirable for pergolas and trellises. Will climb to the top of the loftiest tree.

Clothilde Soupert, Climbing. (P.) This variety originated in our nurseries. We have cultivated it for years and can recommend it with the utmost confidence. In color and form it is similar to its parent, the well-known Clothilde Soupert, but flowers are larger. A constant bloomer after the first year, as it flowers best on old wood. Vigorous grower, and has resisted a cold of 20 degrees below zero. This is a great addition to our list of Climbing Roses, and is becoming one of the favorites.

Dorothy Perkins. (H. W.) This grand rose is a Hybrid Wichuriana. It is a vigorous and rampant climber. The foliage is of a deep green, leathery texture, and remains on the plant nearly all winter. The flowers



AUGUSTA, GEORGIA.



CLIMBING ROSES ON OWN ROOTS—(Continued)

are from 1 to 1½ inches in diameter, borne in clusters of from 10 to 30, and very double, of a beautiful shell-pink. Remains in bloom for several weeks. A most desirable Climbing Rose. Most effective for planting on terraces and slopes.

PRICES	Each	10	100
Strong, 1 year, field-grown	\$0.25	\$2.00	\$12.50
Extra strong, 2-year, field-grown. .	.35	2.50	15.00

Evergreen, or Double Cherokee. This is a double form of the popular Cherokee Rose. The flowers are 2½ to 3 inches in diameter; very double, similar to the White Banksia. The plant being evergreen makes it a desirable climber. Blooms in late spring.

Gainsborough. Rosy-flesh; flowers large; a fine variety.

Kaiserin Augusta Victoria. (T.) (Mrs. Robt. Peary.) Creamy-white; very double; buds large and pointed; free bloomer; an excellent white climber.

Lady Gay. A bright rose-pink; similar to Dorothy Perkins, but later, the flowers being larger and fewer to the cluster.

Pink Cherokee. This superb Rose is a pink form of the well-known Cherokee Rose. It is one of the earliest to bloom. Immense, beautiful, single pink flowers are produced in profusion. The plant blooms for a period of about two months. It is a vigorous and rampant grower; foliage is evergreen and of a bright, glossy green. This is a great acquisition to our list of Roses. Immensely popular.

Wichuraiana. (The Memorial Rose). Almost evergreen; flowers small, single, white; of trailing habit. Beautiful for planting on slopes and terraces, which it soon covers with a mass of bright green foliage. On account of its hardiness and glossy foliage, it is used extensively in the North for cemetery planting. The plant is a strong grower.

PRICES:	Each	10	100
Strong, field-grown	\$0.25	\$2.00	\$12.50
Extra strong, 2-year, field-grown. .	.35	2.50	15.00

Roses Budded Upon Manetti Stock

PRICES:	Each	10	100
One year	\$0.35	\$3.00	\$25.00
Two year, extra heavy . . . . .	.50	3.50	30.00

Note—We can supply extra heavy, two year budded plants of most of the roses budded on Manetti stock.

It is almost impossible to propagate some varieties of Roses upon their own roots, and unless these are grown upon Manetti, their cultivation would have to be discontinued. Others produce finer flowers when budded or grafted upon the Manetti stock. They are especially desirable for Florida and sub-tropical sections, as their roots penetrate the soil to a great depth, and the plants are thus enabled to withstand extreme heat and drought and still produce flowers.

Care of Budded Roses.—Budded Roses should be planted so that the junction of the bud and stock should be 3 inches below the level. The only objection to budded roses is that the suckers of the Manetti stock will shoot out so soon as the growth starts. The difference in the foliage is very perceptible, that of the Manetti is composed of from 7 to 9 leaflets; whereas, the Tea, Hybrid Tea, Hybrid Perpetual and Bourbon Roses usually have but 5 leaflets. So soon as the Manetti stock puts out a shoot this should be immediately cut off close to the point of exit from the stock. If this is carefully done there will be no more trouble from the Manetti stock. Don't blame the nurseryman if you fail to carry out instructions for treating budded roses.

American Beauty. (H. P.) Deep rose; large; cupped; fragrant; dwarf grower.

Baroness de Rothschild. (H. P.) Flowers of large size; color light-pink, beautifully cupped, remarkably symmetrical; a most distinct and beautiful rose; good bloomer; flowers are borne on stout, erect stems.

Etoile de France. (T.) A very vigorous grower. Flowers very large, full, cupped; dark, velvety crimson center vivid cerise. A fine new variety.

Frau Karl Druschki. (H. P.) This is deservedly one of the most popular roses grown; flowers pure white; perfect in form; very free bloomer, strong grower, perfectly hardy everywhere. By some is called the White American Beauty; a truly magnificent rose.

Killarney. (H. T.) A favorite rose, of brilliant silvery-pink; beautiful in bud; flowers large; free bloomer and strong grower.

Lady Pirrie. (H. T.) Buff, tinted salmon. Extremely vigorous grower and free bloomer.

La France. (H. T.) One of the best known Roses. Silvery peach; excellent; weak grower.

Mme. Caroline Testout. (H. T.) One of the best of the newer Roses. Of La France type, but clear pink; large, free bloomer. A great favorite where known.

Mme. Eugene Marlatte. (T.) Brilliant red; strong grower; perpetual bloomer.

Perle des Jardins. (T.) Bright yellow, very full and double. Best of its color.

President Taft. (T.) A beautiful shade of deep, shining pink; blooms very large and of fine form; very fragrant. This Rose is in a class by itself.

Robin Hood. (H. T.) Flowers large, full, very double; rosy scarlet; fine foliage; free bloomer and a vigorous grower.

White Killarney. (H. T.) A pure white sport of the popular Pink Killarney. Identical in every way with the parent, except in color, which is a pure white.

CLIMBING ROSES BUDDED ON MANETTI.

PRICES:	Each	10	100
One year	\$0.35	\$3.00	\$25.00
Two year, extra heavy . . . . .	.50	3.50	30.00

Note—We can supply extra strong, two year budded plants of most of the roses budded on Manetti stock.

American Beauty. (Climbing.) (H. P.) Crimson flower 3 to 4 inches in diameter; well formed, fragrant, strong grower, holds foliage late; blooms in May and June and occasionally during the summer.

Devoniensis, Climbing. (T.) An old favorite; creamy-white, flesh center; very fragrant; spring bloomer.

Kaiserin Augusta Victoria. (T.) (Mrs. Robt. Peary.) Creamy-white; very double; buds large and pointed; free bloomer, an excellent white climber.

Marechal Niel. (T.) Deep chrome-yellow. Always deeper in color and a better grower when budded.

Meteor, Climbing. (H. T.) Dark, velvety crimson. Vigorous grower and profuse bloomer.

Mme. Caroline Testout. A magnificent free blooming rose with flowers of satiny-pink; large and full; a beautiful climber.

Perle des Jardins. (T.) Climbing. Bright yellow; very full and double. A vigorous climbing form of this popular rose.

Pillar of Gold. (T.) Rosy pink, base of petals yellow. Variable in color. Sometimes almost solid pink.

Pink Cherokee. This superb Rose is a pink form of the well-known Cherokee Rose. It is one of the earliest to bloom. Immense, beautiful, single pink flowers are produced in profusion. The plant blooms for a period of about two months. It is a vigorous and rampant grower; foliage is evergreen and of a bright, glossy green. This is a great acquisition to our list of Roses. Immensely popular.

Reine Marie Henriette. (T.) Bright cherry-red. Of good form and vigorous habit. The best red climber.

Solfatarre. (N.) Large flowers; light yellow; free bloomer; rapid grower.

Souv. de La Malmaison. (B.) A beautiful climbing form of this well-known rose; flowers flesh colored, large and very full; rampant grower; evergreen. This variety is becoming a great favorite.

William-Allen Richardson. (T.) Orange-yellow; center coppery-yellow.

INDEX

	Page		Page		Page		Page
Abelia	30, 43	Cotoneaster	33	Ligustrum	21, 36, 37, 43	Pyracantha	38
Abies	45	Crape Myrtle	20	Lilac	23	Pyrus	18, 22
Acacia	26	Crataegus	33	Linden	27, 29	Quercus	29, 39
Acer	26	Cryptomeria	47	Liquidambar	29	Quince, Japan	18
Actenidia	40	Cunninghamia	47	Liriodendron	28	Quinces	12
Adam's Needle	40	Cupressus	46, 47	Locust	22	Raspberry	14
Akebia	40	Cydonia	18	Lonicera	19, 21, 42	Red Bud	18, 27
Albizia	26	Cypress	29, 46, 47	Loquat	16, 33	Refinospora	46, 50
Aleurites	26	Deutzia	18	Magnolia	28, 37	Reed, Giant	44
Almonds	13	Dewberry	14	Mahonia	37	Rhododendron	39
Almonds, Flowering	22	Diervilla	25	Maidenhair Tree	27	Rhodotypus	22
Althaea	17	Diospyros	11, 12	Maple	26	Rhus	22
Ampelopsis	40	Diseases, Fungus	4, 5, 6	Medlar, Japan	16, 33	Rhynchospermum	42
Amygdalis	17, 26	Dogwood	18, 27	Melia	28	Robinia	22
Antigonon	40	Elaeagnus	16, 18, 33, 41	Meratia	21	Rosemary	22
Apphananthe	26	Elm	27, 29	Metrosideros	32, 37	Rose, Mexican	40
Apples	7, 8	English Laurel	33, 35	Michelia	37	Rose of Sharon	19
Apple, Crab	8	Eriobotrya	16, 33	Mimosa	26	Roses	52, 53, 54, 55
Apricots	8	Escallonia	33	Miscanthus	44	Rosemarinus	22
Arbor-vitae	50, 51	Eulalia	44	Mock Orange	21, 35, 43	Salisburya	27, 29
Arbutus	30	Euonymus	19, 41	Mulberries	16	Salix	29
Ardisia	30	Exochorda	19	Mulberry, French	17, 19	Salvia Greggii	22
Arundo	4	Ficus	41	Myrtle	37	Smoke Tree	22
Ashberry, Holly-leaved	37	Figs	8	Myrtle, Crape	20	Snowball	24
Aucuba	31	Filberts	13	Myrtle, Trailing	42	Sourwood	28, 29
Azalea	17, 31, 32	Fire Bush	18	Myrtus	27	Spiraea	16, 22, 23, 43
Bamboosa	44	Forsythia	19	Nandina, Japanese	37	Spiraea, Blue	18
Barberry	17, 43	Fringe	18, 22	Nerium	37	Spondias	29
Bay Tree	35	Fungicides and Insecti- cides	6	Nettle Tree	26	Staphalea	23
Bear Grass	40	Gardenia	34	Nut Trees	13, 14	Stephanandra	23
Berberis	17, 32, 37, 43	Gelsemium	41	Oak	28, 29, 39	St. John's Wort, Golden	20
Bignonia	40	Ginkgo	27	Olea fragrans	38	Storax	23
Bilsted	27	Golden Bell	19	Oleander	37	Strawberry Shrub	18
Biota	45, 51	Grapes	15	Oleaster, Japan	16, 18, 33	Strawberry Tree	30
Blackberry	14	Grasses, Ornamental	44	Olive	16	Stuartia	23
Blackwood	32, 43	Gynerium	44	Olive, Tea or Sweet	44	Styrax	23
Boxwood	32, 43	Hackberry	26	Oranges	15, 33	Sugarberry	26
Buddleia	17	Hedera	41	Orange, Hardy	21, 43	Sumac	22
Buxus	32, 43	Hedge Plants	43	Osmanthus	38	Sweet Gum	27, 29
Calico Bush	34	Hibiscus	19	Oxydendron	28, 29	Sweet Shrub	18, 21, 23
Callicarpa	17	Holly	34	Palmetto, Chusan Fan	39	Sycamore	28
Callistemon	32	Honeysuckle	19, 21, 42	Pampas Grass	44	Symphoricarpos	23
Calycanthus	18	Hydrangea	19, 20	Peach, Flowering	26	Syringa	21, 23, 24
Camellia	32	Hypericum	20	Peaches	9, 10, 26	Tamarisk	24
Camphor Tree	32	Ilex	34	Pearl Bush	19, 21	Tamarix	24
Candle Nut	26	Illicium	34	Pears	10, 11	Taxodium	29, 50
Cape Jasmine	34	Insects, Injurious	4, 5, 6	Pecans	13, 14	Tea Olive	38, 39
Caryopteris	18	Iris	25	Peonies	25	Thuja	50, 51, 52
Cassia	18	Ivy	40	Periwinkle	42	Tilia	27, 29
Cedar	45, 49	Jasmine	20, 41	Persica	28	Trachelospermum	42
Cedrus	45	Jasminum	20, 41	Persimmon, Japanese	11, 12	Trachycarpus	39
Celtis	26	Judas Tree	18, 27	Philadelphus	21	Trulip Tree	29
Cephalotaxus	45	Juniper	47, 48, 49	Photinia	38	Trumpet Vine	40
Cerasus	27, 32, 43	Juniperus	47, 48, 49	Phyllostachys	44	Ulmus	29
Cercis	18, 27	Kadsura	42	Pine	49, 50	Umbrella Tree, Texas	29
Chamaerops	32, 39	Kalmia	34	Pine, Chinese	47, 48, 49	Viburnum	24, 25, 39, 43
Chamaecyparis	46	Kerria	18, 22	Pinus	49, 50	Vinca	42
Cherry, Flowering	28, 29	Koeleruteria	27	Pittosporum	38	Virginia Creeper	40
Chestnut	13	Lagerstroemia	20	Plane Tree	28	Vitex	25
Chilopsis	18	Laurocerasus	35, 43	Platanus	28	Walnuts	13
Chionanthus	18	Laurus	35	Plum, Purple Leaf	29	Weigela	25
Cinnamomum	32	Laurel	35	Plums	12, 28	Willow	29
Citrange	15, 33	Laurustinus	35, 39	Pomegranate	16, 22	Wisteria	42
Citrus trifoliata	21, 43	Lawn Grass Seed	7	Poncirus	21, 43	Yew	45
Citrus fruits	15, 33	Libocedrus	49	Poplar	28	Yucca	40
Clematis	41			Populus	28		
Cleyera	33			Privet	21, 36, 37, 43		
Climbers and Trailers	40, 41, 42			Prunus	22, 28, 35		
Conifers, specimen	52			Punica	22		
Corchorus	18						
Cornus	27						
Cortaderia	44						



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