

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

ROYAL PALM
NURSERIES
ONECO·FLORIDA·U.S.A.

1914



FOSTER GRAPE FRUIT

CONTENTS

	PAGE
Treatment of plants on arrival -----	3
Business Rules etc. -----	4
Proper Distances for Planting -----	3rd page of cover
I. Tropical Fruit Plants and Trees -----	5
II. Semi-Tropical and Temperate Fruit Trees and Plants -----	10
III. Economical and Useful Trees and Plants -----	17
IV. Bamboos and Grasses -----	20
V. Aquatics -----	22
VI. Conifers -----	24
VII. Palms and Cycads -----	26
VIII. Ferns and Selaginellas -----	32
IX. Foliage and Decorative Plants -----	36
X. Tropical Flowering Plants and Shrubs -----	40
XI. Hardy and Half-Hardy Flowering Plants and Shrubs -----	44
XII. Tropical and Sub-Tropical Vines and Creepers -----	50
XIII. Hardy and Half-Hardy Vines and Creepers -----	52
XIV. Tuberos, Bulbous and Herbaceous Plants -----	53
XV. Tropical Shade Trees -----	58
XVI. Hardy and Half-Hardy Shade Trees -----	60
XVII. Succulents and Epiphytes -----	61

A FULL INDEX IS AT THE BACK OF THIS BOOK

EXPRESS RATES

At this writing, early autumn, we have nothing definite to announce in regard to a further lowering of rates by Express. Our customers will have been informed, however, by the daily and weekly newspapers of the **very extensive lowering of rates** ordered by the Interstate Commerce Commission, to go into effect on Oct. 15th. When this is in full operation, it will be **generally cheaper than Parcel Post rates**, which have **not** been changed on plants, trees, bulbs and seeds for **many years**, and remain at one cent for two ounces: (8 cents per pound.) Parcel Post rates on merchandise have been cheapened, but not on nursery stock. We can, however, send in large packages, up to eleven (11) pounds to most distant points and twenty (20) pounds for local and first zone. See paragraph 10 on page 4 for further information.

CATALOG
OF
ROYAL-PALM NURSERIES
REASONER BROTHERS
ONECO, FLA., U. S. A.

TELEGRAPH ADDRESS
BRADENTOWN

1914

Extract from Editorial in "The Florida Grower," March 15, 1913, by E. A. Wright

"This week I was privileged to see the Reasoner Brothers' nurseries, which Mrs. McAdow has often mentioned, and where thousands of tropical and semi-tropical plants suitable for Florida are propagated.

"I could not begin to give any detailed description of this nursery, nor of the plants it contains. I saw hundreds and thousands of beautiful plants many of which are natives of other countries than this, coming as they do from far-off India, South Africa, Australia, China, South America and from the isles of the seas.

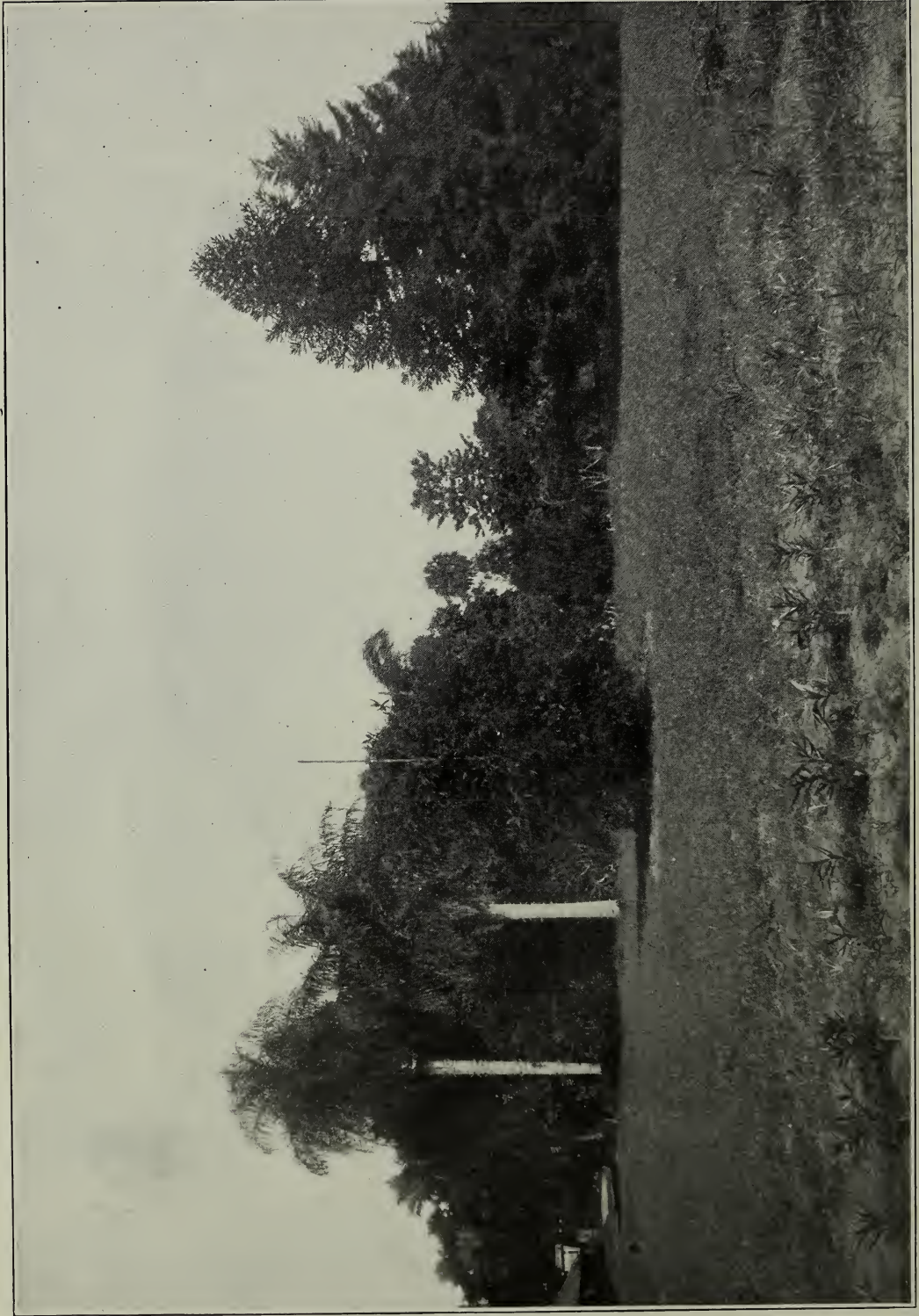
"The Reasoner Brothers came to Florida from the Middle West in the early eighties. The elder brother died a few years later, but the business has ever since been carried on in the name of Reasoner Brothers. I was privileged to hear something of the early struggles of this pair, and the later ones of Mr. E. N. Reasoner, and can say that the business was not brought to its present splendid magnitude without much stress and travail. Those old days were assuredly not 'automobile days.'

"All of the tender plants of this big nursery are raised under cover, the more tender under glass in heated houses; those a little more hardy outside of buildings with high board sides, with lathed roofs, that may be covered with canvas on occasion, numerous stoves being installed to fight off too severe a visit of Jack Frost. In the open are many acres of palms, bamboos, and trees that, though tender, will stand a certain amount of cold, once they have attained their full growth. * * * * *

"We walked through the numberless houses of this nursery and listened to the bewildering names that fell so glibly from the lips of Mr. Reasoner and his assistant. Every plant was called first by its scientific moniker and then its common name. Scientific names are really necessary, so that plants may be known by the one name the world over, as very often each section has a different common name for them. For instance, few people would recognize the persimmon under the name of Diospyros Kaki, but the scientist would tag it immediately. Eriodendron Anfractuosum reads like it might be the name of a town in Turkey now being besieged by the Greeks, but it refers to the silk cotton, or Ceiba tree, of the West Indies. Our old friend, the Royal Poinciana, goes about disguised under the name of Delonix Regia.

"In spite of their hard names, all these trees, shrubs and vines are sent many hundreds of miles in perfect condition through the parcel post and by express. I inspected the packing department, and could see how carefully the stock was put up for shipment. Damp moss is packed around the roots of plants that still have the moist earth clinging to them. Oiled paper around this insures the retaining of the moisture. Excelsior around the foliage insures air for the plant, and at the same time prevents crushing. The package is next stiffened with bamboo rods, cut just the length of the bundle, and heavy manila paper covers all. It is necessary to ship some plants in the pots, and in such cases they are nicely crated with light lumber.

"I recommend that all lovers of rare plants pay a visit to this mecca of the plant worshipper. So much of beauty is seen that the desire to buy is only limited to the pocket-book, or to the home ground space in which to put them. We again suggest that all Florida residents beautify their home grounds to the end that visitors be impressed with what may be done here, and for the supreme satisfaction of owning something that is admired by all, and for the further satisfaction of admiring it yourself."



Thriving Exotics on Our Grounds.

TO OUR FRIENDS AND PATRONS

1883-1914

AFTER thirty years of work and planning, our nurseries are still far short of the ideal plant establishment to our mind, but we are constantly adding new features to make them more satisfactory as a "plant factory," and this year offer the largest and best stock we have ever grown, take it all around.

With this catalogue we offer some of the finest novelties ever produced, which cannot fail to have a far-reaching effect on the horticulture of our State, especially the Foster grapefruit.

Our aim is to offer the best there are in trees and plants suitable for Florida, as well as a large collection suitable for all parts of the tropics and the temperate zone; in fact, an international supply nursery. We are shipping throughout the year to almost every conceivable part of the tropics all around the world, and to Europe, Japan, and all parts of the U. S. A. and Canada—In actual fact, no place is too distant for us to safely ship plants and trees, as we have made a careful study of the preparation of the stock as well as the packing.

A careful perusal of our business rules on following page is suggested to those not familiar with them, especially rules 10 and 14.

Thanking our patrons for their continued confidence and commendation, and hoping to always merit the same, we extend greetings and best wishes for another year.

REASONER BROTHERS.

Oneco, Florida.

AUTUMN, 1913.

TREATMENT OF PLANTS ON ARRIVAL

The Plants should be removed from the package as soon as possible after they reach their destination. Should they be in the least wilted, they should be placed in lukewarm water, with the packing moss still about the roots, and in half an hour they will be ready to pot. This treatment will increase vitality and vigor, whether they be wilted or not. Large trees and shrubs from open ground may be simply "heeled-in" on the shady side of a building, the roots well watered, and if not set permanently for a week afterward, they will be all the better for it.

Setting. It is, of course, understood that the soil has been put in proper condition by digging, manuring, etc., and plants and trees can be set in their proper places at once. If plants are from pots, let them be set considerably deeper than before. If soil is still around the roots set without disturbing or removing it. *Don't try to straighten out the roots of pot-grown plants!* Plants or trees from open ground should be pruned, if necessary, and roots looked over and broken ends trimmed smooth. After setting, draw soil around and firm down thoroughly by *tramping with the feet*. Then water well, after which rake fresh soil about, shade if necessary, and mulch with straw or like material. The plant may not be stocky, so if it needs a stake do not forget to tie it thoroughly to the support given. When it is necessary to water plants outdoors, give them enough to soak down to moist soil; every few days should be often enough.

Potting.—At first, while plants are small, use pots one size larger than they were first removed from. As they increase in size, they should be repotted when it is found that the pots are full of roots. In using small pots, it is only necessary to use a small piece of broken pot over the hole in the bottom, but when the size runs up to 7 or 8 inches, several pieces of pots, some pebbles or pieces of charcoal should be put in, that it may have ample drainage. Fill the pots with earth and plant, leaving about half an inch space to hold the water; water thoroughly, and place the plants in a sheltered position, where they will not be exposed to wind or sun, until they show signs of recuperation.

Watering. This is one of the most important points in the successful cultivation of all plants. During the growing season they should have enough water to keep the soil moist to the bottom of the pot, but should not be kept in a soggy state; plenty may be applied to the foliage at all times. During the winter the soil should be kept drier, and in some cases nearly or quite dry. A plant will generally show when it needs water, and more are killed by overwatering than through lack of it.

COLLECTIONS OF PLANTS

See end of each department in this Catalogue for bargain lists. We make up valuable collections of choice plants at a very low price, and have given satisfaction and pleasure to hundreds of customers. If you don't know *just what you want* let us select for you. We know what will thrive with you, and can choose from good-sized plants, which are bound to more than please you. Try them.

REMARKS AND BUSINESS RULES

Justice to our customers as well as to ourselves requires that we should ask careful attention to the following notes. Their appreciation will remove any occasion for misunderstanding, and aid in maintaining the pleasant relations with customers so much to be desired by all business men.

1. *It has been repeatedly* proved by cultivators in the States above Florida—both amateurs and commercial florists—that our naturally grown plants are absolutely more vigorous, better rooted and healthier than those grown under artificial conditions from their start; hence are more likely to succeed under greenhouse culture or in the living room than weaker stock from hothouses.

2. *Our location* here in South Florida, where we have excellent choice of soils, is admirably placed as to climate, also in having quick rail and water transportation to all parts of the world.

3. *Our annual catalogue* is prepared in the autumn and is ready for distribution in October or November; at this time it is sent to customers in the tropics, Florida, California, and the lower Southwest. To more Northern customers it is sent in January. We are always willing to send extra copies when requested. *If the recipient is not interested in our line we shall esteem it a favor if he will hand this catalogue to an interested party.*

4. *Orders are promptly filled*; we pack daily (except Sunday) all the year around, and strive to keep orders cleared up closely. The majority are filled the day of their receipt.

5. *Should there be any dissatisfaction* over plants or any other matter, kindly write us fully, immediately on receipt of goods, that everything may be fully rectified.

6. *Seeds, Dutch bulbs, Geraniums,* and some soft wooded plants commonly grown as house plants in cold climates are not grown by us. Do not order such stock, or anything not listed herein.

7. *While we exercise the greatest care* to have our plants true to label, and hold ourselves prepared, on proper proof, to replace any that may prove otherwise, we do not give a warranty, expressed or implied, and in case of error on our part, it is mutually agreed between the purchaser and ourselves that we shall not at any time be held responsible for a greater amount than was paid for them.

8. *As to packing:* We have perfected our system of packing so that we ship in *safety* to all parts of the world. Parcel Post and domestic mail packages being sent *everywhere daily* and large shipments by express and freight likewise. We use especially thin material for shipment by express. We use our best judgment when forwarding stock, whether by express or freight, working for the best interest of each customer as to safety of delivery and least cost. We make no charge for proper packing, or pruning, if desired.

9. *After delivering goods to the carrier,* we cannot hold ourselves responsible for any loss or injury to trees or plants which have been carefully packed and shipped; but we shall do everything in our power, if any loss should occur, for the protection and recovery of our customers' property.

10. *Plants by Parcel Post:* (a.) We send small and medium-sized plants by this method to all parts of the United States, Cuba, Mexico, Porto Rico, Hawaii, the Canal Zone, and the Philippines, at *catalogue prices postpaid.*

(b.) To Canada, Central America, South America, West Indies, and other countries which have a Parcel Post service, at 10 per cent. (one-tenth) in addition to catalogue rates.

(c.) *We do not care to fill orders by mail under a total value of 50 cents. Please do not ask us to send one small plant alone, unless you add 10 cents extra.*

11. *Terms, cash with order.* Remit in any safe way. Postoffice money order on Oneco, bank draft, express order, or currency by registered letter. Foreigners may remit by *International Postoffice orders on Bradenton, Florida,* or by bank exchange.

12. *Applying prices.* Not less than six of a sort will be sold at the dozen rate, nor 40 at the 100, nor 400 at the one-thousand.

13. *In ordering,* please state whether *substitution* will be permitted, as we feel at liberty, when no instructions accompany the order, to replace with other sorts as nearly similar as possible.

14. *Special discounts on stock by express or freight.* Orders amounting to \$2.25 at list prices will be filled for \$2.00; \$3.00 for \$2.60; \$4.00 for \$3.30; \$5.00 for \$4.00. And all above this in proportion of 20 per cent. discount (or one-fifth) off list prices.—*No discounts on goods by mail.*

15. *We always send receipt for money;* so if one remits us and fails to get a receipt in a reasonable time, he should look up original order, ascertaining if it had been properly posted; if the letter had been sent us then write stating necessary details. We get orders frequently with no name attached.

16. *This present catalogue abrogates* all previous terms, conditions and prices. Dealers or others desiring to buy in quantity, will be given special prices for large lots, on application.

17. *To those getting up club orders* we make special terms; after allowing such discounts to each party as our Rule 14 enumerates, the club raiser may select extra plants to the value of 10 per cent. of the gross total amount. For instance, if Mrs. A. sends us net orders for Mrs. B. of \$2; for Mrs. C. of \$3; for Mrs. D. of \$1; for Mrs. E. of \$5; for Miss F. of \$3—a total of \$14—she is entitled to \$1.40 worth of plants, and it is usual for the club raiser's collection to be sent free, the other parties paying express pro rata. All orders packed separately and shipped in one case.

18. *When to order.* Please read over our remarks on this subject under the heading of each department of this catalogue. The directions are plain in each case.

Tropical Fruit Plants and Trees

In this department will be found only strictly tropical subjects, none of which can bear much frost, but many recuperate quickly from the roots should tops be frosted, throwing up strong shoots which bear again after reasonable time. In this class, of special value to Florida, are guavas, *Dovyalis gardneri*, Surinam cherry, pineapples, bananas, avocados, sugar-apple, rose-apple, and others, all of which should be grown above the frost "line," even for occasional crops.

Tropical trees in frosty parts of South or Central Florida can be protected during the first year or more by light frames covered with cloth, paper or burlap, and if necessary, using a lamp on very cold nights. Provide ventilation during the day. Budded or grafted trees should be banked with soil to preserve the variety well above the union.

Boughs of trees, cane or corn stalks, etc., may be stood about tropical trees during the winter in addition to banking, where not otherwise protected. Train trees low so that the branches will protect the trunk and larger limbs. When trees have attained considerable size they will stand more cold than when small, holding warmth in themselves. Specimen tropical trees will be found more fully protected when shaded in the morning hours, allowing frost to thaw gradually; large trees or buildings on the east or such specimens will provide considerable protection from the damaging effect of the sun's rays.

All, except pineapples and bananas, are pot-grown enabling one to transplant stock any time of year, and always in safety. All tropical stock does best when set in warm weather.

Explanation of Starring.— * Suitable for conservatories, or plant sheds. ** Suitable for warmest portions of Florida, tropical regions, or large conservatories. *** Suitable for South Florida generally, with or without protection, according to locality.

ANACARDIUM occidentale. ** **Cashew Apple, or Cashew Nut.** Juicy, sub-acid fruits, red, white or yellow, bearing seeds on outside of the fruit. Seeds edible when roasted, and also used for flavoring wine, chocolate, etc. 1 yr. seedlings, 25c, \$2.50 per doz.

ANANAS sativus. * and ** **The Pineapple.** Those desiring large quantities of either slips or suckers should write us, stating number required, and get a net estimate. Rooted plants in stock as follows:

Abachi. A very sweet fruit of medium size; a fine variety for home use. 15c, \$1.50 per doz.

Fernambuco. Of medium size and considered the finest flavored of all. 25c, \$2.50 per doz.

Red Spanish. The ordinary commercial sort so largely grown. 10c, 85c per doz., \$5.00 per 100.

Smooth Cayenne. The only sort without spines

on the leaves. A very valuable sort, now extensively grown in the Tropics both for shipping fresh and canning. This is a fine variety for the home garden, as it bears almost any time throughout the year. 15c, \$1.50 per doz., \$10.00 per 100.

ANONA cherimolia. ** **The Cherimoya, or "Jamaica Apple."** Small seedlings, 35c.

A. muricata. ** **Sour Sop.** Large, prickly, juicy fruit, used in making sherbet. 2 yr. 25c, \$2.50 per doz. 3 yr. 35c.

A. reticulata. ** **Custard Apple or Bullock's Heart.** Large, rough fruit, sub-acid; bears two crops yearly. 1 yr. seedlings 25c, \$2.50 per doz.

A. squamosa. * **The Sugar Apple, or Sweet-Sop.** A large bush with deciduous foliage. Fruit medium sized. 1 yr. seedlings 25c, \$2.50 per doz.

ANTIDESMA bunius ** **Quick growing.** Small tree, bearing sub-acid fruit of small size, used chiefly for preserving. 1 yr. seedlings 25c, \$2.50 per doz.

ARTOCARPUS incisa. *

* **The Breadfruit Tree** of the South Seas now grown in most Tropical countries. Leaves large and ornamental. Seedlings, \$2.00.

A. integrifolia. ** **The famous Jack Fruit Tree.** A very tender Tropical tree, somewhat like the preceding species from the East Indies. Does well in the Tropics generally. Fine young stock, \$1.50.

CARICA papaya * **The Papaw, or Melon Fruit.** A fine decorative plant, with large palmate leaves. Being dioecious, one should set several specimens to be sure of getting fruit. Seedlings of the finest fruit only are offered, and all pot-grown.

Variety No. 1. "Finest and best," 25c, \$2.50 per doz.

Variety No. 2 "Largest" 25c, \$2.50 per doz.



The Common Guava (See Page 9)



CARISSA arduina * and * * * **Amatungula**, of Natal. Fruit is well liked, and handsome in appearance; about 1½ inches long, scarlet. Seedlings, 1 yr. 15c, \$1.50 per doz.

CASIMIROA adults. * * * **White Sapota**, of Mexico. A very promising new fruit tree which has borne well in South Florida, and is harder than most Tropical trees. The fruit is yellow, about the size of a small orange, round with smooth skin; the seeds are three or four, and are imbedded in a white pulp of pleasing taste, something like the peach in flavor. The fruit keeps well, and should be grown for market. We have made especial efforts to obtain seed from the very finest fruit produced in various parts of Mexico, and offer fine seedlings, pot-grown, 2 yrs, old, 35c, \$3.50 per doz.

CECROPIA palmata. *
* **Shakewood tree**. Handsome, palmate foliage silvery on under side. Fruit curiously like fingers, soft, similar to a fig, minute seeds; sweet. **Dioecious**. Seedling plants, 1 yr. 15c, \$1.50 per doz.

CHEYSOPHYLLUM canito. * * **Star Apple**. Good-sized tree; fruits 2½ to 3 inches in diameter. The foliage broad and very handsome, with a brown under-surface. 25c, \$2.50 per doz. Extra strong at 35c.

COCOLUBA uvifera. * **Seagrape**, or **Shoregrape** of the West Indies and South Florida coasts. Foliage large and rounded, with red stems and veins, very handsome; the late Rev. Chas. Kingsley described it as the most beautiful tree in the West Indies. Fruit purplish-red, borne in spikes like currants, ripening in September, and from which a fine jelly is made. 1 yr. 25c, \$2.50 per doz.

CUPANIA sapida. * * (Blighia). **Akee tree**. Bears red fruits, used only when cooked. Small, 50c.

DOVYALIS caffra. * * * (Aberia caffra) **Kai-Apple**. A large, thorny shrub. The acid fruits are used for preserving, and are very much liked, especially for making marmalade. This is a heavy bearer; may be grown as a hedge; stands some frost. 25c, \$2.50 per doz. Large, bushy plants \$1.50.

D. gardneri. * * * If frosted down, comes up and bears same year. Fruit tastes like the cranberry; very prolific. 1 yr. 25c.

EUGENIA uniflora * and * * * **Surinam Cherry**. A large shrub; fruit small, bright red and agreeably acid; used fresh and for making jelly. Under high culture bears two enormous crops yearly. A fine subject for growing in tubs at the North, as foliage and fruit are very attractive at all times. All pot-grown, seedlings from best fruit.

1 yr. 10c, \$1.00 per doz., \$ 7.00 per 100.
2 yr. 15c, 1.50 per doz., 10.00 per 100.
3 yr. 25c, 2.50 per doz., 18.00 per 100.

Black Fruited Surinam Cherry. Similar to preceding except in color of the fruit. Seedlings only, 2 yr. 35c, \$3.50 per doz.

E. Jambos * * **Rose Apple**. A good-sized tree,

with handsome appearance. Fruits medium-sized, rose-flavored, crisp and delicious when fresh. 1 yr. 15c, \$1.50 per doz.; 2 yr. 25c, \$2.50 per doz.; 3 yr. 35c, \$3.50 per doz.

GENIPA americana. * * **Marmalade Box**. A recent introduction from Porto Rico, fruit of which is highly commended in cookery. Fine stock. 2 yr. old 40c, \$4.00 per doz.

GREWIA denticulata. * * From India. Tree resembles the mulberry; fruit small and acid. \$1.50

MACADAMIA ternifolia. * * **Queensland Nut**. A very valuable nut tree for the Tropics. Tree or slow growth. Nuts something like filberts, very good and rich. 50c, \$5.00 per doz.

MALEIGHIA glabra * and * * **Barbados Cherry**. Dwarf tree with delicious red fruits of sub-acid flavor. Seedlings, 1 yr. 35c.

MAMMEA americana. * * **Mammee apple**. Large tree, bearing very large fruits 3 to 6 inches in diameter. Does well in extreme South Florida. The foliage resembles that of the Magnolia grandiflora, evergreen, and very beautiful. 2 yr. 50c, \$5.00 per doz.

MANGIFERA indica, * and * * **Mango**. One of the most important tropical fruits for South Florida. We have been importing the delicious East Indian varieties for years, and we were the first to inarch these in Florida, beginning in 1887. Our stock is probably the largest in Florida. All sorts named, with the exception of Red Eleven, are East Indian varieties of exceptional value, almost or entirely devoid of fibre. These should be planted everywhere in South Florida (and of course in the Tropics generally); in Florida in protected spots or else protected artificially with cloth or lumber, so that fruit may be grown for home use. Nothing compares with the improved mango for table use, and even one tree is worth a lot of trouble to grow, as grafted stock bears early and abundantly.

Every lover of mangos who lives in a frosty locality in Florida may enjoy home-grown fruit by making a simple framework (posts and light scantling) around one or more trees either in the open, or against a building, and covering with any cheap cloth during the winter months.

Fire heat may be provided by oil stoves or small open fires, etc. It requires but a VERY small fire to keep out frost when the framework is covered with cloth snugly.

Our plants are all inarched (or grafted) on to pot-grown 2-year-old seedlings, and may be set safely at any time of the year, being strong and vigorous trees, well rooted. Pot-grown stock, is the only safe stock to handle, as the mango when transplanted from the open ground is very likely to die. In setting out pot-grown trees the planter is sure to get growth from every one. Note the following letters from very prominent South Florida planters:

Ft. Myers, Fla., Oct. 13, 1912. "I have over four acres of mangos. The inarched ones purchased of you have done much better than the budded ones, and I know that this is the experience of others.



Fruit of Seedling Mango



Oneco, Florida



Many of the budded ones died under the same treatment as the inarched trees, while few of the latter died, and I understand that others in this part of the country have had a similar experience.

DR. FRANKLIN MILES.

Homestead, Fla., June 30, 1913. "I will state that the last inarched mangos purchased from you about two years ago were very good stock, and have made satisfactory growth. These trees were not planted deeper than is usual, as our soil conditions necessitate shallow planting and development of a system of surface roots.

WM. J. KROME.

(Mr. Krome is chief engineer of the East Coast Railway extension, and has some valuable horticultural plantings in Dade County.)

Prices of all sorts (except where noted):

Grade	Size.	Each	Dozen.	Hundred.
A.	10 to 18 inches	\$1.50	\$16.50	\$125.00
B.	18 to 24 inches	1.75	19.00	140.00
C.	24 to 36 inches	2.00	20.00	160.00
D.	Extra large	2.50	27.50	

Note discounts on page 4, paragraph 14, of this catalogue.

Amini. General form long, about 5½ inches; skin medium thick, yellow and red. Flesh meaty, tender, juicy and sweet.

Arbuthnot. Imported by us direct from India. This fruited for us in 1910 for the first time. The fruits are rather long, weighing 8 to 14 ounces each, of excellent flavor, and very little fibre.

Bennett (Bennett's Alphonse.) Considered one of the best yet fruited in Florida. Medium-sized; highly colored; very prolific.

Bombay Yellow. One of the celebrated mangos of India. Possibly may be same as Peters No. 1. \$2.50.

Cambodiana. Very rapid grower, bearing medium to large fruit; early ripening; color yellow; shape long; rather more acid than most sorts if gathered before coloring, but when ripened on the tree quite sweet. Very fine sort, without any turpentine taste. One of the best.

Ennuria. Of our own importation. Medium-sized; oblong; highly colored; exquisitely flavored; mid-season in ripening; has a little fibre

Fernandez. Fruit small, covered with a glaucous bloom; of superior flavor.

Goa Alphonse. Said to be one of the finest grown around Calcutta, but not tested by us as yet. A fine grower. Strong stock \$2.50. \$25.00 per doz.

Gollan. Our importation from Saharanpur, India, named in honor of the late Superintendent of Government Gardens there. Fruit large, oblong, weighing from 12 to 24 ounces each; pale yellow in color. Small quantity of fibre; flavor excellent.

Gopal Bhog. Highly recommended by our Indian correspondent, who furnished the original stock. Has not yet fruited in America.

Gordon. We had always supposed this variety very small fruited, but this season we had quite large fruit on our specimen tree. Quality high. Very free flowering sort.

Haden. A fine variety originated by the late Capt. Haden, at Cocoanut Grove, Fla., from seed of Mulgoba. Has high color, clear yellow, and with a brilliant red cheek; quality similar to the parent, with promise of being more prolific. Very popular novelty. \$2.50.

Langra Benarsi. One of our introductions from India, which bore in 1910 for the first time. Promises to be very prolific and is a strong grower. The fruit is the largest we have ever seen, weighing up to 3-lbs, 1-oz. each. Very little fibre; flavor rich and juicy; color of skin yellow, or greenish-yellow, \$2.50, \$25.00 per doz.



Langra Benarsi Mangos.



Royal Palm Nurseries



Mulgoba. Large, very fine fruit, deliciously flavored, devoid of fibre, highly colored; one of the best. The first of the Indian varieties to fruit in Florida, and now a standard from which all newer sorts are judged. This is a grand market fruit.

Paheri. Imported by Department of Agriculture, and fruited in 1910 for the first time in Florida. One of the finest sorts grown in India. General form is roundish, about 3 5-8 by 3 3-8 inches. Skin thick, yellow and green when ripe, touched with garnet red on the sunny side—very attractive. Flesh yellow, tender and juicy; sweet and aromatic. Of very highest quality.

Peters No. 1. Supposed to be one of the famous Bombay mangos. Rather late ripening; medium size; very rich red color; spicy, prolific.

Rajpury. Averages about 10 oz. in weight; a trifle elongated; flavor rich and buttery; both flavor and aroma distinct from any other mango, and very attractive; very prolific.

Red No. Eleven. A West Indian descendant of a fine Indian sort, having high color, but is small in size and somewhat fibrous. Has a delicious flavor. \$1.50.

Singapur. Our own importation, which fruited for the first time in 1911, and proved to be all that was claimed for it by our Indian correspondent. The skin is green and golden yellow, finely mottled, thick and strong, with a grayish-blue bloom, clean and free from spotting. The flavor is distinct, rich and sweet, with characteristic true mango flavor. The fruits are remarkably uniform in shape, meaty, thick and solid—perfect, weighing from 14 to 20 ounces each, and we judge will be a remarkably good shipper. The seed is medium and flat. A specimen fruit was sent to each of a number of correspondents, and the following extract from a letter from the Pomologist of the Department of Agriculture voices the general sentiment:

“Washington, D. C., Aug. 2, 1911. * * * In regard to the Singapur specimen which you sent, we got an excellent painting and description of this variety. I think it is one of the best, and is to be ranked with the *Mulgoba* in quality. * * * (Signed) “G. B. BRACKETT, “Pomologist.”

Sandersha. So far as known, the latest to ripen. Fruit long, yellow, large size, sometimes nearly 3 lbs. each. Flavor good, but somewhat acid.

Strawberry. Imported by us from India, fruiting in 1910 for the first time. Fruit small to medium, delicious flavor; contains some fibre. A medium strong grower. Recommended by Porto Rico growers.

Totafari. One of the best sorts, resembling *Sandersha*, but only about half the size. Bears well when very small, and is prolific.

Seedling mangos, from Eleanor type. 1 yr. 20c, \$2.50 per doz.

Seedling mangos, from Number Eleven. 1 yr. 25c, \$2.50 per doz.

Seedling mangos, from named Indian varieties. 50c, \$5.00 per doz.

MELIOCOCCA bijuga. * * * **Ginep,** or **Spanish Lime.** A good sized tree with queer leaves, making an excellent street tree. The fruit varies in quality from sweet to sub-acid, but is generally liked, and resembles plums in appearance. 2 yr. 25c, \$2.50 per doz.; 3 yr. 35c, \$3.50 per doz.

MONSTERA deliciosa. * and * * **Ceriman.** An aroid plant with enormous pertuse leaves which are beautiful. Will grow up and around the trunks of low shade trees. Fruit resembles an ear of maize, and is delicious in aroma and flavor. \$1.00 and \$2.00.

MUSA, The Banana. All sorts of great value to South Florida for fruit and to colder climates as decorative plants, being used freely in lawn and park planting. Write us in the spring, stating number required, and we may be able to make special low prices.

Cavendish. * and * * **Dwarf I,** very tender. Fruit rich and fine. Suckers 25c, \$2.00 per doz.

Hart's Choice, or **Lady-Finger.** * * * One of the most hardy sorts, and the most valuable for Florida planting. Fruit is most delicious. Suckers 25c, \$2.00 per doz., \$15.00 per 100. Extra large at 50c, \$5.00 per doz., \$35.00 per 100.

Orinoco. * * * or **Horse Banana.** A sort of plantain; fine for cooking, but liked raw by many. Very hardy. Suckers 25c, \$2.00 per doz., \$15.00 per 100.

NEPHELIUM longanum. * * **Longan.** Fruit small, in large bunches, very sweet, not first-class. Tree handsome, and may be used as a shade tree; also used as a stock on which to bud *Leitchee*. 2 yr. 25c, \$2.50 per doz.

PERSEA americana. * * **Avocado,** or **Avocado Pear.** The most valuable fruit on the American market. Fruit

is used exclusively as a salad, with various dressings. We offer seedlings from the finest large green and purple sorts of Cuban origin mostly, strictly first-class. 1 yr. 35c, \$3.50 per doz.

Family. Fruit medium to large; cavity small; color yellowish green, marbled and striped with purplish red; quality good to very good. The fruit ripens over a period of eight to ten weeks, commencing fairly early in summer and lasting until the late sorts begin to ripen. Budded trees for spring and later delivery, \$2.00 each.

Mexican type, seedlings, 50c, \$5.00 per doz.

Follock. Very early, large, green-skinned variety of best quality, ripening from August to October. Budded trees, \$2.00 each. Seedlings, 1 yr., 50c, \$5.00 per doz.

Trapp. A late ripening, green avocado of medium size, almost round; finest quality; ripens from November to January. Budded trees, \$2.00 each. Seedlings, 1 yr., 50c, \$5.00 per doz.



One of Our Inarched Mango Trees.



Oneco, Florida



PHYLLANTHUS distichus. * *Otaheite Gooseberry.* A small tree with splendid pinnate leaves, exceedingly ornamental; fruit small, white and very acid; used when cooked only 1 yr. 25c, \$2.50 per doz. 2 yr. 50c, \$5.00 per doz.

P. emblica. * * The *Emblie Myrobolan*, of India. Foliage is very beautiful, compound, fern-like; fruit acid, and used in cookery. Small plants, 25c, \$2.50 per doz.

PSIDIUM. The *Guava.* A grand fruit in all its varying forms, especially valuable for Florida because of its surety to sprout up after being cut down by the frost, and bearing after only one frostless winter. The fruit is always borne in enormous quantity, and varies in size, color, acidity, juiciness and seediness, our aim being to propagate from the very finest types we can secure, and to only offer the best. We grow many thousands of plants yearly from seed only, and offer the following kinds, all of which are valuable for cooking—canning, preserving, making jelly, etc. or may be used in the fresh state with sugar and cream, being only second to finest peaches. All stock is pot-grown, and may be transplanted any time.

P. araca. * * From Brazil. Fruit extremely acid, of medium size, not very seedy, especially valuable in jelly making. A few fruits added to a lot of sweet guavas makes a fine jelly combination. 25c, \$2.50 per doz. 3 yr. old, 50c, \$5.00 per doz.

P. guaiava. * and * * * The common guava. Fruits are variable in size and shape, sweet, sub-acid and sour, and largely in demand for making jelly, marmalade, cheese, and all manner of preserves. We grow this largely, and all from seeds of the most distinct and valuable fruits. Select sorts follow, of which we consider a large majority of the trees will bear true to description, but this cannot be guaranteed in seedling stock.

Perico. A sub-acid sort of very large size. Flesh thick and meaty, containing rather under the usual quantity of seeds; color pink. Flavor and quality the very best. This is fine for dessert and for canning. Strong. 2 yr. 15c, \$1.50 per doz., \$10.00 per 100, \$90.00 per 1,000; 3 yr. 25c, \$2.00 per doz., \$15.00 per 100.

Brazilian. A new sort sent us by the Department of Agriculture. Fruit round. Very thick-meat, with few seeds; sweet, resembling the Guinea. 25c, \$2.00 per doz.

Sweet. Grown from mixed sweet guavas, both pink and white fleshed, etc. For dessert and preserving. 1 yr. old 10c, \$1.00 per doz., \$7.00 per 100.

\$60.00 per 1,000; 2 yr. 15c, \$1.50 per doz., \$10.00 per 100, \$90.00 per 1,000; 3 yr. 25c, \$2.00 per doz., \$15.00 per 100, \$125.00 per 1,000.

Sour. A lot of plants from the most desirable acid guavas, especially suitable for jelly-making and preserving. Prices same as preceding.

P. guineense. * and * * * The *Guinea guava*, in both white and pink varieties. Fruit very sweet, large size, thick meated, few seeds. Very fine for sweet pickle, dessert, or for canning. 2 yr. 15c, \$1.50 per doz., \$10.00 per 100; 3 yr. 25c, \$2.00 per doz., \$15.00 per 100.

For *Hardy Guavas* see pages 17 and 18.

RUBUS flavus. * * * An Indian *Raspberry* of gigantic size, canes 1½ inches in diameter not being uncommon. Fruit yellow and good. Must be grown in frost-free location. 25c, \$2.50 per doz.

SAPOTA zapotilla. * * The *Sapodilla.* A tree of medium size with broad evergreen leaves and bearing russet colored fruits size of apples, which are sweet and fine. The fruit is in season most of the year in the Tropics. The juice of the bark furnishes the chicle used in making chewing gum. 2 yr. 25c, \$2.50 per doz.

St. Croix Sapodilla. A variety with whiter pulp and more delicate flavor than ordinary sorts; considered the best. 35c, \$3.50 per doz.

SPONDIAS dulcis. * * *Otaheite apple.* A large tree, very tender, producing plum-like fruits 3 inches long, of a peculiar flavor. Young stock, 50c, \$5.00 per doz.

STRECHNOS spinosa. * * * "*Natal Orange.*" A promising new fruit from South Africa; larger than an orange with a very hard shell. Pulp very aromatic, with consistency of a ripe banana. Young plants, 50c, \$5.00 per doz.

SYZGIUM jambolanum. * * "*Java Plum.*" An East Indian fruit tree related to the rose-apple. Fruits purple, one-half to 1 inch in diameter. 35c, \$3.50 per doz.

TAMARINDUS indica. * * *Tamarind Tree.* Large, very ornamental; fruit consists of fleshy pods, the acid pulp surrounding the seeds used in preserving and in making a delicious drink. 25c, \$2.50 per doz. Small 35c, \$3.50 per doz.

TERMINALIA catappa. * * The so-called "*Tropical Almond.*" "With its flat stages of large, smooth leaves and oily, eatable seeds in an almond-like husk, it is not an almond at all, nor any kin thereto." Deciduous, the leaves turning brilliant red and orange in the autumn, and reaching 60 or more feet in height. Strong stock 25c, \$2.50 per doz.; 2 yr. 35c, \$3.50 per doz.

COLLECTIONS OF TROPICAL FRUIT PLANTS

We make up collections of the foregoing plants to suit the location of our customers, sending the most suitable in every case. For the Northern conservatory we, of course, send the finest in appearance, and species that can thrive under adverse conditions. We do not confine ourselves to a set list, but choose for every applicant. If the purchasers will kindly state what sorts they already have, we shall try not to duplicate them. This applies to all our collections.

No. 1. Six distinct sorts, postpaid, \$1.00. No. 2. Ten distinct sorts, very fine collection, \$2.00.

MISCELLANEOUS TESTIMONIALS.

Cedar Rapids, Iowa, May, 1913.—"The collection of plants you sent me arrived here May 5th. Owing to the care you took in packing, they got here in the most perfect condition; there is not a leaf broken or marred, and the plants are beauties. To say I am fully satisfied is putting it mild. Please accept my thanks for the very generous way in which you filled my order."
JAS. P. COWDEN.

Pawnee, Okla., May, 1913.—"Plants arrived, and thank you very much; they are fine." MRS. JOHN PIERCE.

Camden, N. J., June, 1913.—"The shipment arrived yesterday in first-class condition. I am more than pleased with same. In the very near future I shall send you another order for," etc. CHAS. M. TAYLOR.

Ithaca, N. Y., June 1913.—"I received my plants today. They were as fresh as though I had just brought them in from out-doors. Thank you so much for such very nice plants, and your promptness, too."
MRS. F. L. NOURSE.

Macon, Ga., Jan., 1913.—"Enclosed find check for * * * *. I wish to say I am heartily pleased with palms recently shipped me, and think them very nice indeed." S. S. DUNLAP.

Barnstead, N. H. April 1913.—"The shipment of palms reached me in splendid condition. The *Seaforthia* is the finest specimen I ever owned—nothing like it around here. The *Phoenix Roebeni* is a gem."
(REV.) HENRY A. RYDER.



I

Semi-Tropical and Temperate Fruit Trees and Plants



Explanation of symbols for this section.—* Hardy throughout the South. ** Adapted to coast regions where temperature seldom falls under 20 degrees Fahr. *** Most tender semi-tropical sorts, not being able to withstand a lower temperature than 26 degrees Fahr. without injury. **D.** Deciduous species. **E.** Evergreen.

The majority of plants and trees named in this department should be set in winter, and not later than March 1st. Citrus trees, pot-grown guavas and other plants, however, may be set in Spring, Summer and Autumn; in fact, at any time convenient. For discounts note paragraph 14, page 4.

CITRUS STOCK; one of our specialties. The orange tribe is largely grown by us on specially selected high sandy land, insuring good roots, and when transplanted goes ahead vigorously. We invite correspondence from those desiring large quantities of trees to whom it may be possible to quote special terms.

The varieties grown are of the very best, and buds are selected from the best bearing trees in every case.

Our budded trees are stake-trained, but are headed back to develop stockiness, and unless requested to the contrary, are cut back properly ready to set out, before being packed for shipment.

The stock grown on our high lands succeeds equally well on low or high lands when transplanted, but we suggest that when set on low lands the planter make large mounds so that in wet seasons the crown roots may be well out of standing water. On low lands, if there is hardpan, the holes should be blasted out by dynamite, and free use of lime or marl made; the tap-roots should be cut rather short also—say about 9 to 12 inches. The best time to set citrus trees is in November or December.

Our citrus trees are budded on rough lemon, sour orange and pomelo stock mostly, and we ship to all parts of the world in safety. Prices of **Sweet Orange, Mandarin, Lemon, and Lime trees** are—except where noted,—as follows:

1 to 2-ft. each,	40c;	per doz.,	\$ 4.00;	per 100,	\$32.00;	per 1,000,	\$275.00
2 to 3-ft. each,	55c;	per doz.,	5.50;	per 100,	44.00;	per 1,000,	400.00
3 to 4-ft. each,	70c;	per doz.,	7.00;	per 100,	55.00;	per 1,000,	525.00
4 to 5-ft. each,	\$1.00;	per doz.,	10.00;	per 100,	75.00;	per 1,000,	700.00
5 to 7-ft. each,	1.50;	per doz.,	15.00;	per 100,	87.50;	per 1,000,	815.00
Extra heavy 2 yr. and 3 yr. budded trees,							at \$2.00 each.

Do not overlook discounts on page 4, par. 14.

CITRUS aurantium. * * **E.** The **SWEET ORANGE.** Our list of varieties is reduced to only the very best, and no one will make a mistake in planting these sorts.

Centennial. One of the best native varieties, ripening early, but holding juice well. Grown on **sour orange, and rough lemon.**

Homosassa. One of the best of the old-time Florida round oranges, moderately early in ripening. A strong grower; prolific. Fruit of medium size. Juicy, of highest quality. Grown on **ponelo and rough lemon.**

Lue Gim Gong. "A late round orange of unusual merit," originating at DeLand, Florida. The fruit is of very best quality, large size, good color, and holds on the tree for a year or more, enabling the grower to extend the shipping season throughout the summer and early autumn. Perhaps the greatest acquisition in this line ever made in Florida. Prices of Lue Gim Gong, on **sour orange and rough lemon** are as follows:

1—2 ft. each	60c, per doz. \$ 6.00, per 100 \$ 50
2—3 ft. each	80c, per doz. 8.00, per 100 60
3—4 ft. each	\$1.00, per doz. 10.00, per 100 80
4—5 ft. each	1.25, per doz. 12.50, per 100 100
5—7 ft. each	1.75, per doz. 17.50, per 100 125

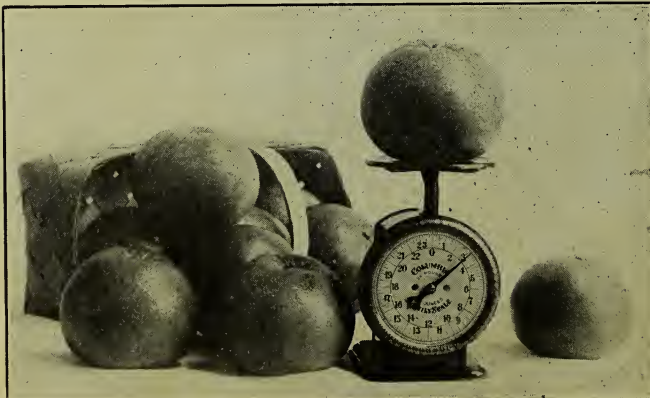
Majorca. One of the finest Mediterranean sorts, seedless, and a good bearer. Tree thornless. Mid-season to later. On **rough lemon.**

Parson Brown. A very early native variety. On **rough lemon, pomelo and sour orange.**

Pineapple. A distinctively flavored fruit of great merit. Mid-season to fairly late. On **rough lemon.**

Ruby. A very early orange, showing blood markings when entirely ripe, about Jan. 10th to Feb. 15th. This variety colors up very early, and should be mostly shipped before Christmas. An annual, very heavy bearer; the flavor is most delicious. Probably the best blood orange for Florida. On **rough lemon and pomelo.**

Surprise Navel. Of Florida origin. An early ripening fruit of splendid quality and flavor; size medium. Said to bear well, even on **sour orange roots.** Grown on **rough lemon and pomelo.**



Pernambuco Grapefruit. (See Page 13)



Oneco, Florida



Tangerona. Very early, but small fruit; skin deep orange, highly colored. On **Rough lemon.**

Tardiff (Hart's Late.) Very late keeper, season being from March to July, or even later. A fine, heavy orange of exceptional value. On **pomelo, rough lemon and sour orange.**

Valencia Late. We have had to abandon our idea that there are any real Valencia Lates as originally grown, in the trade. We now consider this the same as Tardiff.

Washington Navel. Fruit early, large, and with the characteristic navel mark on flower end. Quality the best. Of exceptional value for parts of the West Indies and Mexico, South America, and Pacific Coast regions. Does fairly well in parts of Florida, where the quality is par-excellence. A good stock on **rough lemon, sour orange and pomelo.**

CITRUS nobilis. * * E. The **MANDARIN** or **MANDARIN ORANGE.** All in this group have usually flattened fruit, with fruit segments and skin loosely adherent; sometimes called "kid glove" oranges.

DANCY (Tangierine.) Fruit of delicious, sparkling quality; mid-season in ripening; skin orange-red, very highly colored. Grown on **rough lemon, sour orange, trifoliata, and pomelo.**

Oneco. A good fruit of our introduction. Growth and general appearance of tree resembling Dancy, but the fruit is rounder, and later ripening; of the most exquisite flavor. More hardy than Dancy. On **rough lemon, sour orange, and pomelo.**

Satsuma. A very early fruit, entirely seedless; tree thornless. The best citrus fruit for general culture in North Florida, and the frosty Gulf region, as it is exceptionally hardy on citrus trifoliata stock.

CITRUS hybridus. * * E. The **Sampson Tangelo**

A hybrid of the Tangierine and pomelo, of splendid value. Skin smooth; pulp of delicious flavor, especially fine for a breakfast fruit. Sizes average smaller than ordinary pomelos. Price of trees on **sour orange and rough lemon stock,** same as for grapefruit. See page 12.

CITRUS japonica. * * E. The **KUMQUAT.** A small fruit and dwarf tree; admirable for small plots of ground or for conservatories. Fruit eaten either raw or cooked. Very ornamental. There are two forms, the **oblong and round;** the oblong being preferred. Prices on **rough lemon, trifoliata,** and other stocks, 35c, 50c, 75c and \$1.00 each. (Trees are bushy, and cannot be graded with standard citrus trees.)

CITRUS limonum. * * The **LEMON.** Of the many excellent commercial lemons we have the following two sorts in stock, at same prices as the orange.

Genoa. This is perhaps the best known variety, largely grown in California, where it is frequently called **Eureka.** A very fine sort here in Florida, that should be nearly ripe, or fully ripe, before being used, thereby developing its juice to the full. Grown on **rough lemon, and sour orange.**

Lamb. Fruit is very similar to the preceding, of the best quality, and we find the tree stands more cold than any sort we ever raised. Grown on **rough lemon, and sour orange.**

CITRUS limetta. * * * E. The **LIME.** The limes are generally more tender than other citrus trees, and should have protection from cold in frosty locations. The **Sour Rangpur** is more hardy than the others, being fully as hardy as the lemon tree. Limes have a very agreeable acid, and as the fruit of several sorts ripens at intervals through the year they are especially valuable for South Florida, both for home use and for market. Prices (except where noted) are the same as for the orange.



A Young Tree, 3 Years from Bud, of Foster Grapefruit (See Page 13)



Royal Palm Nurseries



Mexican or Common. A small fruit produced very abundantly, and from two to four crops per year. This is a very valuable crop for South Florida, especially for the Keys. Seedlings, 2 yr. 25c, \$2.50 per doz.

Persian. This is very prolific. The fruit is more nearly round than a lemon, and somewhat smaller usually; smooth skin; juice abundant and very acid. On **rough lemon** roots.

Sour Rangpur. Resembles a mandarin in shape and high coloring, with segments rather easily parted. Pulp reddish; juice very acid and finely flavored. A heavy bearer. Tree almost as hardy as the sweet orange. On **rough lemon** and **sour orange**.

Tahiti. A very strong grower. The fruits are as large as ordinary lemons, very smooth and almost seedless. A fine thing. On **rough lemon** and **pomelo**.

Thornless. A great advance over the spiny Mexican lime; from Trinidad. Fruit is the same as the Mexican, of small size, and best quality. On **rough lemon** and **pomelo**.

CITRUS medica cedra. * * * **E.**

Corsican citron. * * * **E.** A very superior variety from the Mediterranean region. On **rough lemon**. Prices same as the orange.

CITRUS pomelanus. * * * **E.** The **POMELO** or **GRAPEFRUIT**. The culture of this valuable fruit is fully as important in Florida as that of the sweet orange, as it does so well and produces such a delicious product in our climate.

With the advent of our **pink-fleshed** variety, **Foster**, the classes of grapefruit are now complete; we offer the best only of the various classes, **Royal**, of the sweet type—a great success, and originally put out by us many years ago; **Marsh**, the best of the seedless type; **Walters** and **Ellen**, of the Florida type; **Fernambuco**, of the imported South American type, and now at last after many, many years' search and experiments, the real rose-tinted grapefruit has appeared, a **sport** from **Walters**, originating in the famous Atwood grapefruit grove, a few miles from Oneco, which we have called **Foster**, from the finder of the original branch. The culture of grapefruit as an occupation seems to offer a very safe investment, as it is grown in Florida to an absolute perfection, and cannot be grown well in any other part of the North American Continent. Prices are as follows, (except on **Foster**) for fine trees grown on the various stocks:

	Each.	Per Doz.	Per 100.	Per 1,000
1-2 ft.	\$.65	\$ 6.50	\$ 50.00	\$ 450.00
2-3 ft.	.75	7.50	60.00	500.00
3-4 ft.	1.00	10.00	75.00	625.00
4-5 ft.	1.25	12.50	90.00	800.00
5-7 ft.	1.50	15.00	110.00	1,000.00

Do not overlook discounts on page 4, par. 14.

Ellen. A splendid new sort originating on our own grounds. Size large; skin thin; in shape slightly flattened; very juicy, with average number of seeds; not excessively bitter. On **rough lemon**, **pomelo**, and **sour orange**.



Foster Grapefruit. (See Page 13.)



THE FOSTER GRAPEFRUIT

Foster. The newest and most valuable of all grapefruit; *the finest and only grapefruit with rose-pink-tinted* flesh yet known! The origin is a true sport, a single branch on a large Walters tree, discovered by Mr. R. B. Foster in the world-renowned and immense Atwood grapefruit grove; (the largest exclusive grapefruit grove in the world, and worth a fabulous sum) Mr. Foster budded several trees from this sport some years ago, and has fruited it out for several seasons, the fruit being exactly the same as the original branch. See colored plate on the cover of this catalogue and two other plates in this department showing it accurately. The quality is all one can ask for, simply unexcelled by anything in the grapefruit line, as *Walters* with *Pernambuco* have been considered the very best sorts by the largest growers for some years, and *Foster* is precisely like *Walters* in all except its grand color. The pink color has been hunted for by horticulturists for years, but has been a will-o'-the-wisp until the present; season the same as *Walters*. A brief description taken from the Government Pomological Notes follows: "Form, round oblate; size, large; color, pale lemon-yellow; texture, tender; peel, one-eighth inch or more; juice, clear and abundant; flavor mild and pleasant; bouquet, rich; bitterness, slight; quality, very good. Next to the skin the flesh is a light purplish-pink color, which shades into a clear translucent color at the core; there is very little pulp."

"Washington, D. C., Dec. 15, 1911.

"Dear Mr. Reasoner:

"No doubt you have been wondering why I have not replied to your letter of November 14th, in regard to the pomelo, or grapefruit, which you sent for examination. At the time it was received our artists were very busy in painting perishable fruits, and as we wanted to get a painting of this new variety of pomelo, we put it into our refrigerator and have held it there until a few days ago we had a painting and description made of it. I am sending you a copy of the description under separate cover. Several of the office force were present when we cut the fruit, and they were unanimous in their opinion that it was one of the best in quality of any of the pomelos which we have received at this office. I think it is a very valuable acquisition to the list of pomelos, provided the behavior of the tree is equal to the quality of the fruit. Thanking you very much for the privilege of examining this new fruit, and hoping to reciprocate your favor when opportunity occurs, I am,

Yours very truly,

G. B. BRACKETT, Pomologist.

Again we have a letter from Mr. Brackett as follows:

"Washington, April 15, 1913.

"Dear Mr. Reasoner:

"Referring to your letter of March 27th in regard to the Foster pomelo fruit which you sent: One was sampled at the time they were received, and the other was held until quite recently, in order to ascertain how they would stand the keeping. I find that this fruit is one of the best of its kind that we have received at this office. I think I gave you a description of this last year, so that it is not necessary for me to reiterate it again. I will say, however, that the variety is very juicy; of very pleasant flavor; has very little of the bitterness, which just suits my taste exactly. The rind is very thin, and has but very little rag to the pulp.

"Yours very truly,

"G. B. BRACKETT,

"Pomologist."

A letter from that "Grand Old Man," former Pomologist Van Deman, follows:

"Ferriday, La., March 21, 1913.

"My Dear Friend Reasoner:

"Your letter came in due time, and the two Foster pomelos a little later. I have tested them both, and they are certainly equal to the old *Walters*, and that is saying about all that can be said for a pomelo in quality, size and shape. The pink color is not only rare, but very attractive, and ought to cause the fruit to sell at fancy prices. This is something that has long been desired, and a pink-fleshed variety has been reported as being in Siam, and efforts have been made by the government explorers to secure the stock, but so far without success, as I have been told: Now there is no need of any such importation. * * * * *

"Yours very sincerely,

"H. E. VAN DEMAN."

As Mr. Deman suggests, this variety, *Foster*, will surely be a money maker for many years to come; nothing like it in the markets, and a hungry and discriminating public simply waiting to buy. We only have a small stock of trees, but they are good ones, strong 1 yr. buds on pomelo roots, guaranteed true to name, at \$5.00 each. Trees will be cut back to 2 feet high and defoliated before shipment.

Marsh Seedless. Medium to large size; almost or quite seedless; juice somewhat bitter. The fruit is late in ripening and holds exceptionally well without waste. Grown on **rough lemon, pomelo, and sour orange.**

Pernambuco. Has been the leading sort in demand in this section for some years. Large size; late in ripening; bitter but fine. On **rough lemon, pomelo, and sour orange.**

Royal. One of our early introductions. Early ripening, sweet, not quite large enough for the general market. The best of the sweet varieties. Grown on **rough lemon and pomelo.**

Walters. This is the very best Florida native variety, originating at Belleview, in Marion county. Has the true grapefruit bitterness and flavor in perfection, and is a wonderful bearer of the very best fruit. Considered by Mr. A. H. Brown, the manager of the Atwood Grapefruit Grove, as the best of all the varieties grown there, with *Pernambuco* an exceedingly close second. Sea-



Royal Palm Nurseries



son, fairly early to very late, according to soil and culture. Grown on rough lemon and pomelo.

DIOSPYROS kaki. * **D.** The **KAKI**, or **JAPANESE PERSIMMON**. A hardy, deciduous tree of small size, bearing large fruits which ripen in autumn and winter. Should be grown by every householder in the South for home use at least. The chief difficulty in growing persimmons is the flat-headed borer. Examine all trees in February and dig out the borers from the trunk, from ground up, then paint wounds over with carbolinium avenarium. The markets are taking this fruit in ever-increasing amounts. The following sorts are the very best, for using fresh or dried. Prices, except on Tamopan: 2-3 ft. (mailable) 30c. \$3.00 per doz.; 4-6 ft. 40c, \$4.00 per doz., \$30.00 per 100.

Hackiya. Very large, oblong, with a sharp point; showy, skin very bright red. Flesh deep yellow with some seeds. Astringent until ripe, then of fine melting quality. Largest and handsomest of the Japanese varieties.

Hyakume. Very large-sized fruit; flesh dark and meaty.

Okame. Very large fruit, of a bright red color; flesh light colored, somewhat seedy. Quality first-class.

Tane-Nashi. A very large fruit, roundish, pointed; seedless. One of the best, and is vigorous and prolific. Fine market variety.

Triumph. Tomato-shaped, rather small; skin deep yellow to red. The tree is a splendid grower, and immensely productive. Season lasts from September to December. Best sort for South Florida.

Zengi. Small fruit, with dark flesh. Very early to ripen, and not astringent. All other sorts must be dead ripe before being eaten.

Tamopan. The grand Chinese persimmon lately introduced, and found to be up to the explorer's description. Trees reach a height of 30 to 50 feet, and attain quite old age. The fruit is exceedingly large, about 3 by 5 inches in diameter, of a bright orange-red color, and sometimes weighs over a pound; perfectly seedless, not astringent; stands shipping well; quality fine. Prices: 2-3 ft., \$1.00; 4-5 ft., \$2.00.

ELAEAGNUS edulis * * **E. Japan Oleaster.** A low-growing shrub with evergreen leaves, silvery on under side. Fruit borne profusely in spring, resembling cranberries, and used in jelly and marmalade. 1 to 1½ ft. high, 35c, \$3.50 per doz.

E. simoni. * * **E. Simon's Oleaster.** This is a very graceful

shrub, bearing a larger fruit than the preceding, and ripening earlier. Both species do well on well-drained sandy land. Small pot plants, 25c. Strong 3 yr. pot-grown, 50c, \$5.00 per doz.

ERIOBOTRYA japonica. * * **E. LOQUAT.** (Medlar, or "Japan Plum.") A most valuable winter and spring ripening fruit, yellow, size of plums, deliciously flavored, and fine for preserving. This should be grown extensively in Florida for both home markets and for shipping. As the flowers are sometimes frost-bitten, grow in protected places, or fire during the time of the cold spells. The tree is evergreen, with handsome large rough leaves, worthy of being grown simply as an ornamental both in pots and outdoors. Pot-grown, 1 yr. 10c, \$1.00 per doz.; 2 yr. 20c, \$2.00 per doz., 3 yr. 35c, \$3.50 per doz. From open ground, 1 to 2 ft. 20c, \$2.00 per doz.; 2-3 ft., 30c, \$3.00 per doz.; 3-4 ft. 40c, \$4.00 per doz.

FEIJOA sellowiana. * * **E.** A valuable new fruit shrub from South America, related to the guava, but much harder. The fruit is rough in appearance, of a greenish color, keeping for weeks after being gathered in the autumn, and is sub-

acid, liked by all. Seeds so small as to be unnoticed. Size of fruit 1½ to 3 inches in length. Bushes seem to bear best when several are grown in proximity. 2 yr. pot-grown stock 50c, \$5.00 per doz.

FICUS carica. * **D.** The **FIG.** One of the most delicious of all fruits, which does well along the Gulf Coast. In Florida, owing to presence of nematodes, care must be taken in heavy mulching (preferably of stones or brick-bats) as a preventive, or planting close up to buildings under which the roots will be shaded. That curse of some Florida communities, **old tin cans**, and rubbish generally may be used to advantage around fig trees. Price of all sorts, 1 to 2 ft. 20c, \$2.00 per doz.; 2 to 3 ft. 30c, \$3.00 per doz.

Brunswick. Fruit large, dark violet in color; flesh white and pink. Very strong grower and prolific fruiter.

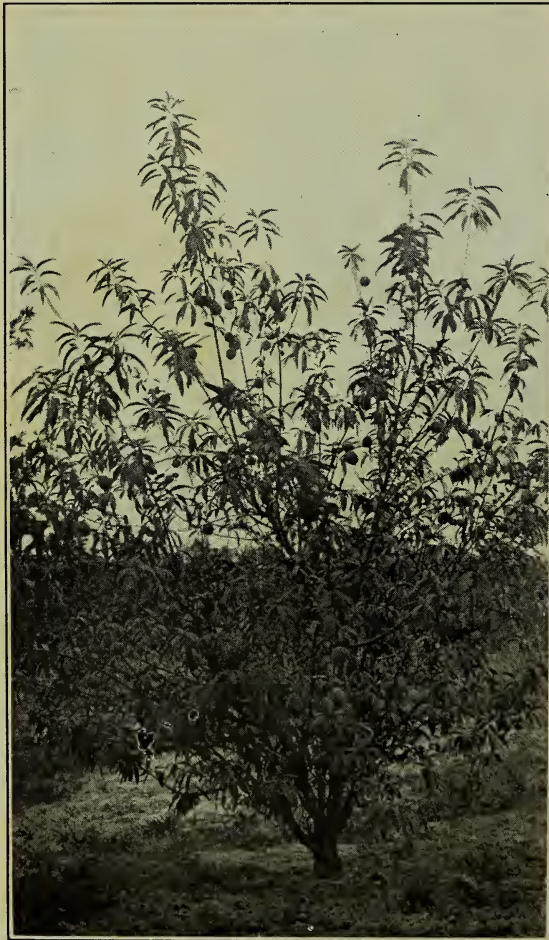
Celeste. Often called "Sugar Fig," as its fruit is so very rich and sweet. A small fruit, brownish yellow, borne in profusion, very hardy.

Green Ischia. Skin a light green color; flesh white, with light red center. An upright grower and hardy.

Lemon. A hardy variety with large, lemon-yellow fruit. A fine sort for preserving.

Magnolia. A large-sized fruit of light color, used largely in Texas for preserving.

HICORIA pecan. * **D.** The **PECAN.** Pecan nuts form a staple crop in the South and fine, large nuts bring high prices. The in-



A 3-year Peach Tree on Plum Roots. (See p. 16.)



Oneco, Florida



dustry is a safe one in the proper latitude. The lower South has an immense area of excellent soil, suitable for these trees. The sorts we offer are the cream of the best named varieties, and priced as follows: 2 to 3 ft. (unmailable) 85c, \$10.00 per doz., \$80.00 per 100; 4 to 5 ft. \$1.50, \$17.50 per doz.; \$140.00 per 100.

Money-Maker. An exceptionally hardy variety, likely to succeed as far North as Illinois. Vigorous and prolific. Nuts large, averaging about 50 to the pound.

President. The finest of all pecans, embracing all the qualities of a perfect nut, in shape, size, color and keeping quality. The meat is of delicious flavor, very solid. Has proved very productive. Size 45 to 50 per pound.

Stuart. One of the oldest named sorts. Nuts of large size and of splendid flavor. A heavy bearer.

Van Deman. A large nut, 45 to 50 per pound, oblong in form. Quality good, and tree a prolific bearer.

HOVENIA dulcis. * The **Honey Tree.** A good sized, round-headed tree, which bears small globular fruits of reddish flesh, with edible peduncles. Makes a good shade tree, 35c and 75c sizes.

JUGLANS cordiformis. * **D.** The **Japanese Walnut.** Tree forms a large spreading head, with enormous leaves, growing very rapidly in the South. Nuts large and sweet, abundantly produced. 1 to 2 ft. 20c, \$3.00 per doz.

MORUS alba. * **D.** The **MULBERRY.** Very useful trees for shade, and bearing enormous quantities of fruit, especially useful for feeding poultry and swine. (For poultry feeding see Sapium sebiferum in Department III. Prices of Mulberry trees, 2 to 4 ft. 20c, \$2.00 per doz.; 4 to 6 ft. 30c, \$3.00 per doz.; 6 to 8 ft. 50c, \$5.00 per doz.

Merritt. A valuable new sort, bearing large fruit which ripens early, and continues for three or four weeks.

Stubbs. Decidedly the best we have seen. Tree large; fruit extra large and fine, borne very plentifully. The fruit of this is best for culinary use, or eating out of hand.

OPUNTIA ficus-indica. * * **B.** **Indian Fig Cactus.** This grows sturdily upright with very large, heavy sections, and bears fruit about three inches long; pale-yellow in color. This has no large thorns and is practically spineless. It is liked by many. Large cuttings 30c, \$3.00 per doz. Heavy rooted pieces 50c, \$5.00 per doz.

O. tuna. * * **E.** **tuna cactus.** This is a giant prickly pear, growing up to five feet, and bearing quantities of purple fruits 2½ inches long; used in preserving and for furnishing a fine coloring for

cakes and ices. Large cuttings, spines sheared off, 15c., \$1.50 per doz.

PRUNUS. * **D.** The **PLUM.** Plums seldom, if ever, bear well when isolated; the fact is, the flowers need cross-pollination from vigorous sorts, and hence to grow plums successfully one must set a number of kinds in close proximity to insure regular crops. Procure one each of all the native, or common, wild plums available, and grow closely with any of the choice varieties. A customer at St. Petersburg reports a mixed orchard of **Excelsior** and **Howe**, which bears heavily. The following four sorts are best adapted to South Florida, and are grown on plum stock at these prices. 4 to 6 ft. high, 35c, \$3.50 per doz., \$27.00 per 100.

Excelsior. Fruit of fair size, about 1½ inches in diameter, color reddish purple. Quality first-class. All sorts ripen in June here.

Howe. (or **Stumpe**.) Fruit medium to large, rich reddish-purple in color, with heavy bloom.

McRae. A new hybrid originated near Lake City, Fla., of the same type as **Excelsior.** A vigorous annual bearer. Fruit of medium size, 1¼ to 1½ inches in diameter, yellow in color, washed with red on exposed part.

Terrell. Fruit large, up to 2 inches in diameter; sweet and juicy. Color reddish-yellow, somewhat mottled.

In addition to the preceding sorts we recommend the following (at same rates) for colder parts of the South down to the middle of peninsular Florida:

Abundance. Medium to large size, greenish-yellow and carmine skin; fine sub-acid flavor. Early ripening.

Burbank. Fruit of good size, clear red in color, with firm, meaty flesh, rich and fine; cling.

Kelsey. Fruit of very large size, greenish in color; flesh meaty, rather sweet. Ripens here in July.

Wickson. Large dark-red fruit, of the **Kelsey** type. Oblong in shape. Flesh firm, clinging to the small pit. Very fine quality, and a splendid keeper.

Seedling Plums of common sorts. 10c to 25c each.

Chickasaw. A native small red plum, very acid; largely used in preserving and jelly making. A fine fruit, which should be grown by everyone in South Florida. It bears well, on even isolated trees. 1 yr. 15c, \$1.50 per doz.

PRUNUS persica. * **D.** The **PEACH.** The only choice hybrid peaches now grown in Florida, mostly from the Chinese peach parentage, have come to the front in market value.



Crate of Jewell Peaches, Produced From Trees on Plum Roots. (See Page 16.)



Royal Palm Nurseries



They are so rich and luscious in quality that their culture is spreading farther West and North. The varieties we offer are the best grown, and when propagated on our native plum by root-grafting, are absolutely free from root-knot, thus living out their natural life, of 15 to 25 years. The fruit on such trees is larger, finer and free from bitterness. We have satisfied ourselves thoroughly on the above points, and recommend for Florida generally trees so grown. One can safely plant them on any well-drained soil, no matter if infested with root-knot nematodes or not. These trees are especially recommended for high dry ridges, of even the poorest white sand; soil must be dry, or very well-drained, and trees must be set deeply so the grafted union is from four to six inches below the surface of the soil. Our stock and variety are limited to the following sorts, which cover the season in ripening. **Prices of root-grafted peach on native plum stock:** 2-4 ft. 25c, \$2.00 per doz., \$15.00 per 100; 4-6 ft. 35c, \$3.50 per doz., \$25.00 per 100.

Write for rates on trees for December, 1914.

Angel. Of good size, with yellow skin, washed with red. Flesh white. Freestone. Ripens in June.

Bidwell's Early. A very early-ripening cling stone, with skin of a creamy-white washed with carmine. Flesh fine-grained and melting. A very satisfactory sort.

Hall's Yellow. A late-ripening free-stone, maturing in late June or early July. The fruit is large; skin yellow, washed with red; flesh yellow, and red at stone. Quality fine.

Jewell. The earliest and best market peach for South Florida planters. Is of medium size, high color, fine quality and freestone. Ripens in May.

Millen's Favorite. A fine late peach of good color and splendid quality, resembling Elberta in size and appearance. Does well in Florida.

In addition to above, we can supply the following four varieties on peach roots. Prices, 2 to 3 ft. 20c, \$1.50 per doz., \$11.00 per 100; 4 to 6 ft. 30c, \$3.00 per doz., \$20.00 per 100.

Angel, Bidwell's Early, Jewell and Red Ceylon.

PYRUS communis. * The **PEAR.** The only pears of value to Florida are those of Chinese origin, as named below. These should be planted freely in Florida on well-drained land of good quality such as suits the orange tree. The fruit matures in August and September or a little later in some kinds.

Cincinnati. A large pear which fruits bountifully in South Florida. Quality rather coarse, but excellent for cooking. Bears when other kinds are barren.

Sand. (Chinese Sand Pear.) The LeConte is a seedling of this old variety. The Sand pear is valuable for cooking and canning, and exceptionally free from blight; is a heavy bearer.

Suwannee. A very valuable new pear, originating in South Georgia, and promising well for Florida. Seems to be very resistant to blight and a heavy and regular producer. Size large, with fine color; quality the best yet grown of this type.

Prices of Cincinnati, Sand and Suwannee: 2-3 ft. 40c, \$4.00 per doz.; 4-5 ft. 65c, \$6.50 per doz.

Keiffer. Large, hard fruits, ripening late and slowly. Of value for cooking.

LeConte. Ripening here in July and August. Fruit small to medium, pale yellow, juicy and good. Must be ripened off the tree.

Prices of Keiffer and LeConte: 2-3 ft. 25c, \$2.50 per doz.; 4-5 ft. 40c, \$4.00 per doz.

PSIDIUM cattleyanum. * * **E.** The **CATTLEY GUAVA.** A vigorous evergreen shrub standing

sharp frosts, having handsome broad leaves. Fruit small, averaging about an inch in diameter; borne in enormous masses, ripening in August. Color a pretty red. Fruit is juicy and sub-acid, good in many ways. A fine plant, also of especial value for making hedges in South Florida, as it is usually free from insect pests, such as white flies and scale. Pot-grown, 1 yr., 10c, \$1.00 per doz., \$7.00 per 100; 2 yr. 15c, \$1.50 per doz., \$10.00 per 100; 3 yr. 25c, \$2.50 per doz. A few extra large at 50 cents.

P. lucidum. * * **S.** The **YELLOW** or **CHINESE GUAVA.** Resembles the preceding rather closely in growth, bearing an abundance of yellow fruit somewhat larger than Cattley and sweeter. Same price as for Cattley, in fine pot plants.

PUNICA granatum. * **E.** The famous **POMEGRANATE.** A large shrub, or small tree, bearing seedy fruit of large size, eaten out of hand, or used in making sherbet. Good bushy stock. 2 to 3 ft. 25c, \$2.50 per doz.

Common Sweet, and Spanish Ruby.

RUBUS cuneifolius. * **E.** Our native **BLACKBERRY.** A good strain of fine sized fruit. 10c, \$1.00 per doz., \$6.00 per 100.

R. hybridus. * The **NORTHEY BERRY.** Resembles the Dewberry in growth. Fruit purplish in color, good-sized, and of exquisite flavor. Set 5 to 8 ft. apart and train on a wire three or four ft. high. 20c, \$2.00 per doz., \$15.00 per 100.

R. trivialis. * **E.** The **MANATEE DEWBERRY.** A delicious black fruit of great value. 10c, 85c per doz., \$5.00 per 100.

VITIS rotundifolia. * **D.** The **MUSCADINE GRAPE.** A very vigorous type of grape, needing large arbors, well built, for its loads of fruit. This is the grape for Florida and our Gulf Coast country generally. Set vines 15 to 20 ft. apart and train up early on arbors 7 ft. high. Make arbors of best material so that they will be permanent structures for many years. Prune out the dense part of these vines every November or December, so that light and air can get to all growth; old crowded vines are no good except along the edges of arbor in the newer growth. These vines all need pollen from the male muscadine or from male vines of Vitis Munsoniana; the former very abundant in the Carolinas, the latter in South Florida. Provide one male to every eight vines, as a rule. Mr. F. C. Reimer, Horticulturist at the N. C. Experiment Station, writes the following important words:—"The question is often asked whether these grapes can be used successfully for making unfermented grape juice. Careful experiments by one of the largest wine manufacturers in the South show that some varieties of this species, especially the dark-fruited varieties, are well suited for this purpose. The writer knows of no reason why this should not become an important industry in the South." (A bushel of grapes may be expected to yield from 3 to 4½ gallons of juice.)

Male Vines. To pollinate the bearing varieties. Price 40c.

Flowers. Of medium size, black, ripens very late, after all others are gone. Sweet; tough-skinned. Price of **Flowers, James, Mish and Scuppernon**, 20c, \$2.00 per doz., \$15.00 per 100.

James. Berry very large, black, or purplish-black, very sweet. Ripens here in August and frequently has a second crop in October or November.

Mish. A new sort of medium size, in color purple. The earliest to ripen here. Has a delicate but rich flavor of the very highest quality.

Scuppernon. Greenish-amber in color, of a delicious and distinct flavor, this famous grape is



high in the estimation of all horticulturists, both as a fruit and wine-maker. The berry is very large, ripening in August and early September.

Labama. "Large black berries 8 to 20 in a cluster, of splendid quality. Skin thin, pulp tender, quite early ripening. Vine is exceedingly vigorous and prolific." Price 75c.

Sanalba. Bears larger clusters than Scuppernong; "large white berries, thin skin, pulp tender, quality fine; the richest in sugar of any of this class yet produced, having 92 degrees of sweet-

ness when Scuppernong had but 65 degrees. Very highly endorsed by critical judges as far the best variety of this class. Very vigorous and productive." Price \$1.00.

Sanrubra. "Of the same parentage as Sanalba, but fruit is a clear translucent red; cluster about twice or three times as large as Scuppernong, but berry not quite so large; much more persistent to cluster; skin quite thin but never cracking; pulp melting and of best quality. Nearly as sweet as Sanalba; a great acquisition. Very vigorous and productive." Price \$1.00.

FLORIDA TESTIMONIALS.

Largo, Fla. May 1913.—"Received trees in good condition, and am very pleased with the straightforward and business-like way you have treated me. Trees are fine." J. H. TROWBRIDGE.

Lucerne Park, Fla., Feb., 1913.—"The long-delayed shipment was received last night, and thanks to its being well packed, everything, with the exception of a few Poinsettias, was in very good shape." L. D. MILES.

(Supt. Lucerne Park Fruit Association.)

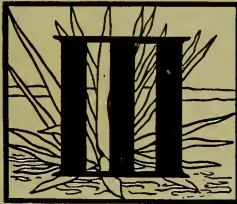
Ocala Fla., May 1913.—"The plants reached me in splendid condition. They are the finest stock I have had from any nursery. Please book my order for," etc. (Miss) JEFFERSON BELL.

Woodland Farm, Lloyd, Fla., Feb., 1913.—"The plants and trees arrived second day after shipping in perfect order, and so far have not wilted." Mrs. J. J. WILLIE.

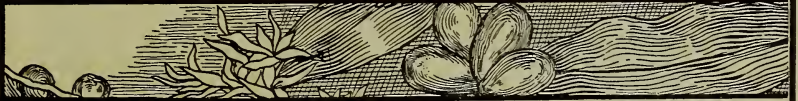
Arcadia, Fla., February 1913.—"The nursery stock came this morning in such splendid condition." Mrs. O. F. WICKWIRE.

Tiger Bay Fla. April, 1913.—"The shipment of plants reached me several days ago in perfect condition, and I desire to express my thanks. The selection sent me was worth twice the money, and I am more than pleased." GEO. H. FORNEY.

West Palm Beach, Fla., Feb. 1913.—"My order of recent date has been duly filled, and plants received in good condition, and I wish to thank you for your promptness and extra plants and trees sent." E. J. OHMER. (Florist.)



Economical, Medicinal and Useful Trees and Plants



Explanation of symbols and letters.—* Hardy throughout Lower South. ** Semi-tropical, not being able to withstand a lower temperature than 16 degrees Fahr. without injury. *** Tropical, adapted only to extreme South Florida and California, or for greenhouse culture. E. Evergreen. D. Deciduous. S. Shrub, or small plant. T. Tree. V. Vine.

Nearly the entire list of plants in this department may be planted at any convenient time of the year. Most of them are pot-grown. We take pains to avoid sending plants of any sort at unsuitable times of the year.

ACACIA arabica. ** E T. This tree furnishes gum-arabic. 35c.

A. farnesiana. E. T. Popinac or oppopanox. The fragrant flowers used for perfumery. 15c, \$1.50 per doz.

ADENANTHERA pavonina. *** E T. The Circassian Bean. A beautiful tree with pinnate leaves. Makes a fine shade tree for street or lawn. Nice small pot-plants 20c, \$2.00 per doz.

AGAVE rigida, var. sisalana. *** E S. The Sisal Hemp. A very valuable fibre plant from Yucatan. Should be grown on large scale for fibre on cheap frostless lands. Large quantities priced on application. As a decorative plant we offer strong stock 12 to 18 inches high at 25c, \$2.50

per doz. Smaller at 10c, \$1.00 per doz., \$4.00 per 100.

ALEURITES moluccana. (A triloba.) *** E. T. The Tropical Candle Nut. A vigorous tree of rapid growth, making a dense shade. 35c, \$3.50 per doz.

AMOMUM cardamomum. ** E S. The Cardamon Plant, which produces the Cardamon seeds. Thick leathery leaves, scented, useful as a decorative plant. 25c.

ANDROPOGON citratus. ** E S. The Lemon Grass of India, which furnishes oil of citronella. Makes clumps five feet high, and is a money-maker on South Florida lands. Write for price on large quantity. 10c, \$1.00 per doz.



Royal Palm Nurseries



BIXA orellana. * * * **E S.** The Annato plant, famous for its orange-red dye. It makes an ornamental shrub, with pink flowers and brilliant red seed pods. 25c, \$2.50 per doz. Extra large, 50c.

CAESALPINIA coriaria. * * * **E T.** The Divi-Divi, from west shore of Central America. Regarded as producing the most powerful and quickly acting tanning material known. 35c, \$3.50 per doz.

C. sappan. * * * **E T.** An East Indian tree; pinate leaves; flowers yellow; furnishes Sappan wood and dye. 35c.

C. sepiaria. * * * **E T.** A large climbing prickly bush with bright yellow flowers. Bark is used for tanning and wood for dye. Can be used for hedges. 25c.

CANANGA odorata. * * * **E T.** The world-famous Ylang Ylang from the Philippines. The flowers are very highly perfumed. \$1.50.

CASSIA fistula. * * * **E T.** Pudding Pipe Tree, from India, which produces the Cassia pods. Flowers in graceful racemes; yellow. 25c.

CASTILLA elastica. * * * **E T.** The famed Rubber Tree of Mexico. Perhaps the best rubber-producer for large plantations. We have a nice stock of pot-grown trees. Small, 20c, \$2.00 per doz.

CEDRELA odorata. * * * **E T.** Cedar of Jamaica and South America, where it furnishes most valuable lumber. Makes a fine shade tree of quick growth. Large, from 4 to 8 ft., 35c to \$1.00.

CINNAMOMUM camphora. * **E T.** The Camphor Tree. Exceedingly valuable for Florida and the Gulf Coast for gum production and shade. Grows well on light, sandy soil. For gum production set preferably 6 to 8 ft. apart in rows 12 to 15 ft. apart. The twigs are sheared twice or more yearly for distillation. Trees are usually

of sufficient size to begin shearing at 4 years of age when in open field. This tree is also a suitable subject for hedges, and quickly forms a dense fence when properly grown and sheared. Set 15 to 18 inches apart. Fine pot-grown plants, 1 yr. 10c, \$1.00 per doz., \$7.00 per 100; 2 yr. 20c, \$2.00 per doz., \$15.00 per 100; 3 yr. 30c, \$3.00 per doz., \$20.00 per 100. Heavy stock from open ground which transplants well if severely cut back when dug, at following prices: 2 to 3 ft., bushy, 30c, \$3.00 per doz., \$22.00 per 100; 3 to 4 ft., very stocky and bushy, 50c, \$5.00 per doz., \$38.00 per 100; 4 to 5 ft. 75c, \$7.50 per doz.

C. cassia * **E T.** Chinese Cinnamon, or Cassia Lignea. Much like camphor, but has narrower leaves; is a magnificent shelter tree, very dense and of quick growth. Furnishes a cheap Cinnamon bark (not the true article), cassia buds, cassia oil, etc. Very valuable for Florida. Fine pot-grown stock. 2 yr. 15c, \$1.50 per doz.; 3 yr. 25c, \$2.50 per doz.; 4 ft. or over 50c, \$5.00 per doz.

COFFEA arabica. * * * **E T.** Arabian or Commercial Coffee. Our stock is grown from the Blue Mountain strain of Jamaica. A fine decorative plant; handsome foliage, resembling the chestnut; flowers white like Jessamine. 1 yr. 15c, \$1.50 per doz.; large at 50c.

C. liberica. * * * **E T.** Liberian Coffee. This has large glossy leaves; very handsome. Coffee strong and rich. Pot-grown, 1 yr. 15c, \$1.50 per doz. Large trees 75c and \$1.00.

C. zanzibarensis. * * * **E S.** A new and rare species. Leaves very small. 35c to 75c.

CRESCENTIA cujete. * * * **E T.** Calabash Tree, of the West Indies, from the warty fruits of which are made bottles, dippers, etc. A large tree with curious foliage. 20c, \$2.00 per doz.

ERIODENDRON a n fractuosum. * * * **D T.** Silk-Cotton, or Ceiba tree of the West Indies. A large tree with buttressed trunk. Seed capsules filled with silky material. Of very quick growth, valuable as shade. 35c, \$3.50 per doz.

EYTHRINA microp teryx. * * * **D T.** "Bucare." A leguminous tree reaching a height of 50 or 60 ft. Used for shading coffee and cocoa trees in the Tropics. The leaves are a valuable mulch. Flowers bright red, very ornamental. 25c, \$2.50 per doz.

ERYTHROXYLON co ca. * * * **E S.** This furnishes the famous cocoa leaves, chewed by natives of South America for stimulation, and the extract now used everywhere. 50c.

EUCALYPTUS. * * * **E T.** A valuable genus of forest trees now in the public eye, being greatly exploited for timber-growing in California. Some species do fairly well in South Florida, especially on rolling or hilly, well-drained land as free from frost as may be found. Some specimens are growing well on flat woods soil. For forests set 6 to 12 ft. each way. We offer some of the very best species adapted to Florida conditions, all plants of which are pot-grown, and may be set out when weather conditions suit.



Ficus elastica About 20 Years Old, at Bradentown. (See Page 19)



Oneco, Florida



E. citriodora. The **Lemon Gum.** A species with very highly scented foliage. 25c, \$2.50 per doz.

E. crebra. 25c, \$2.50 per doz.

E. resinifera. The **Red, or Forest Mahogany.** This is particularly hardy, having stood a temperature of 20 degrees without injury, and is one of the best for South Florida. Young stock 10c, \$1.00 per doz.; 2 yr. 25c, \$2.50 per doz.

E. robusta. "**Swamp Mahogany.**" This seems of unusual merit here, especially as a shade tree, as its spreading habit and broader leaves cast more shade than most species. The white flowers are fairly showy, and the tree is of very rapid growth. It is not very hardy. Strong stock 15c, \$1.50 per doz.

E. rostrata. "**Red Gum.**" This is found in more places than any other Eucalypt in Florida, and the largest Eucalypt in the State is growing near Oneco. It is unusually hardy. Young stock 10c, \$1.00 per doz., \$7.00 per 100; 2 yr. 25c, \$2.50 per doz.

E. rudis. The **Flooded Gum.** This may be planted on low, wet lands, subject to inundation, and promises to be fairly hardy. Young stock 10c, \$1.00 per doz., \$7.00 per 100. 2 yr. 25c, \$2.50 per doz.

E. stuartiana. 25c, \$2.50 per doz.

E. tereticornis. The **Gray Gum.** One tree of this species has made the most rapid diameter growth of any Eucalypt measured in Florida by the experts of the Forestry Bureau, and is a very valuable sort to plant in South Florida. A very beautiful sort, and promises to be excellent for lower lands than most sorts. Young stock 10c, \$1.00 per doz., \$7.00 per 100. 2 yr. 25c, \$2.50 per doz.

E. viminalis. The **Manna Gum.** This has proved to be the most hardy Eucalypt so far planted in Florida, and may safely be grown where the orange tree is cultivated. Prefers dry soil. 15c, \$1.50 per doz.

FICUS elastica. * *

* **E T.** The **Indian Rubber Tree.** A valuable rubber producer. The tree is largely used when small as a house plant, and in South Florida attains great size and beauty. Beautiful plants. Pot-grown, 1 ft. 40c; 18 inches 60c; 2 ft 75c.

GELSEMIUM sempervirens. * **E V.** The **Carolina Yellow Jessamine.** A valuable medicinal plant, and splendid winter-flowering vine. Beautiful, yellow, bell-shaped flowers, exquisitely perfumed. 1 yr. 15c, \$1.50 per doz.

HEMATOKYLON campechianum. * * * **E T.** The **Log-wood Tree** of Mexico. A beautiful tree with delicate foliage, of slow growth. 25c, \$2.50 per doz.

HYMENAEA courbaril. * * * **E T.** The **Algaroba Tree** of Panama. 50c.

KOLA acuminata. * * * **E T.** The **Kola Nut Tree.** furnishing the Kola of commerce. Strong plants, 2 yrs. 50c, \$5.00 per doz.

LAWSONIA inermis. * * **E S.** The famous **Henna Bush** of the Orient. Also known as the **Camphire** of Solomon. Aside from its use as a cos-

metic, the flowers are grown for sale in Cairo and other cities. Small, white flowers in spikes, scented somewhat like the rose. 2 yr. 25c, \$2.50 per doz.

L. rubra. Newly introduced by us. Small plants 15c, \$1.50 per doz.

MARANTA arundinacea. * **D S.** **Bermuda Arrow-root plant.** Easily grown, the roots should be produced in Florida more largely. 10c, \$1.00 per doz.

MORINDA citrifolia. * * * **E T.** From Madras, India. The root and bark furnish a red dye. 25c, \$2.50 per doz.

MORINGA pterygosperma. * * * **E T.** The **Horse-Radish tree.** 25c.

MYRICA cerifera. * **E T.** **Wax Myrtle.** A native tree bearing slate-colored berries, which produce marketable wax. Grows in either well-drained or swampy soil. 15c to 50c.

PACOURIA capensis. * * * **E S.** Shrub from South Africa, said to be a rubber producer. \$1.00.

PARITUM tiliaceum. * * * **E T.** (*Hibiscus tiliaceus*.) The **Emajagua** of Porto Rico. One of the most valuable fibre shrubs or trees of the island, furnishing a very strong bast. Leaves are dark green, simple; flowers large and showy, like the Chinese *Hibiscus*. 35c and 50c.

PITH ECOLOBIUM dulce. (Inga.) * * * **E T.** A handsome small tree. The sweet pulp of the seed pods is a brilliant orange color, edible and wholesome. Very fine for shade and stands considerable cold, but not much hard freezing. 2 yr. pot-grown stock, 25c, \$2.50 per doz.; 3 yr. 35c, \$3.50 per doz.

SANSEVIERA guineensis. * * * **E S.** **African Bow-String Hemp.** A quick growing and valuable fibre plant. Leaves are long and sword-shaped, mottled a greenish white. This and following species are undoubtedly the toughest plants known that may be used as decorative subjects. They live in water, or dry soil, for weeks, and in dark rooms for months without attention! Fine plants 15c, \$1.50 per doz. Large and fine, 25c, \$2.50 per doz.

doz. Ask for prices on large quantities of both species.

S. zeylanica. * * * **E S.** **Ceylon Bow-String Hemp.** As a fibre plant this has been prized from remote antiquity. A finer decorative plant even than the preceding at same prices.

SAPINDUS mukrossi. * **E T.** The **Soap-berry tree.** Said to be the most valuable sort for Florida, and likely to be planted extensively. 15c, \$1.50 per doz.

S. saponaria. * * **E T.** An interesting tree of the West Indies; the fatty coating over the seeds used as a soap for many years. May be commercially valuable. 3 to 6 ft. 50c.

SAPIUM sebiferum. * **D T.** The **Tallow Tree.** A great shade tree, resembling a poplar in foliage; which turns brilliant colors in autumn. Well worth planting as a street tree extensively



Gathering Sisal Hemp Leaves. (See Page 17.)



Royal Palm Nurseries



in the South. The seeds are abundantly produced and are said by one of our customers to be very valuable for feeding poultry, as they are rich and healthful. We have a large stock. Pot-grown specimens 25c and 35c. From open ground, 2 to 3 ft. 20c, \$2.00 per doz.; 3 to 4 ft. 25c, \$2.50 per doz.; 4 to 5 ft., heavy grade, 35c, \$3.50 per doz.; 6-7 ft. 50c.

THEA sinensis. (Camellia thea.) * **E S. Tea Plant.** This is now being grown commercially in the South in a few gardens. Our stock is of the **Assam hybrid variety.** 2 yr. 25c, \$2.50 per doz.

A collection of 9 of the economic plants will be mailed for \$1.00. We do not hold to a set list for any of our special collections, but use our judgment in sending the various plants to the location of each customer. Customers may state what they already have in this particular line, whether economic plants or palms, etc., and we will endeavor not to send duplicates.

See paragraph 14, page 4, for discounts.



Bamboos and Grasses



The liberal planting of this class of plants creates a luxuriant and semi-tropical effect. The more hardy sorts are very effective in masses even as far North as Ohio and Pennsylvania, where they stand the winters safely. In the South they may be planted freely with perfect success. The foliage, besides being of an ornamental character, is relished by stock, and may be used as pasturage.

The bamboos proper are very useful for the florist in very many ways—decoration, design work etc.

Explanation of symbols.—* Those most hardy, standing the climate as far North as Ohio, or farther. ** Hardy all along the Gulf Coast, standing a temperature as low as 12 or 15 degrees without serious if any injury. *** Tropical species, withstanding but light frosts unharmed. Roots will throw up growth, however, if tops are frozen.

Grasses and Bamboos may be set out any time of the year. On a large scale of planting, summer is to be preferred, or late spring in this climate. For Northern and Western locations, we should recommend the spring.

ANDROPOGON citratus. See Department III.

ARUNDO donax variegata. * **Gardener's Garter.** A beautiful bamboo reed attaining a height of twelve feet, beautifully variegated with white, especially during its early growth. Makes large clumps and is useful for bedding. Has immense flower plumes. Especially hardy and may be planted all over the middle States as well as the South. Heavy roots 25c, \$2.00 per doz., \$12.00 per 100.

ARUNDINARIA metake. * (Bambusa Metake.) A very broad-leaved, hardy species, rarely exceeding 10 feet in height, very suitable for tubs as a house plant. It forms naturally large masses but may be confined to clumps effectively. Single canes, rooted, 10c, larger 50c.

BAMBUUSA argentea. ** A fine Japanese species reaching a possible height of 35 or 40 feet. It makes great, thick clumps and the shoots bend outward very gracefully. Foliage small. Needs a large space to show off its beauty, like all large

THEOBROMA cacao. *** **E T. Chocolate tree.** This furnishes cacao (or "cocoa") as well as chocolate. 35c, \$3.50 per doz.

TOLUIFERA perierae. *** **E T. The Tolu Balsam tree.** This yields a valuable product, and the tree is a fine shade tree with compound leaves. 3 yr. 35c, \$3.50 per doz.

ZINGIBER officinale. The **Ginger plant.** May be grown like a canna during summer, dried off, and roots kept over winter in dry sand. 15c, \$1.50 per doz.

bamboos. Single canes rooted, 15c, \$1.25 per doz., \$8.00 per 100. Clumps 25c to \$4.00 each.

B. argentea striata. ** Like the preceding, but has foliage striped with white, especially noticeable during rapid growth. Grows even larger and more vigorously than the type. Single canes, rooted, 15c, \$1.50 per doz., \$10.00 per 100. Clumps 25c to \$4.00

B. alphonse karri ** A large grower much like the preceding species but with yellow variegated stems. Small only, 50c.

B. disticha. (Formerly listed as Arundinaria falcata.) ** A rather dwarf bamboo reaching a height of 10 feet, and forming dense clumps. Foliage extremely small and narrow. Individual canes with their foliage are effective in decorations, and may be used by the florist. Single canes, rooted, 10c, 85c per doz., \$6.00 per 100. Clumps 25c to \$2.00.

B. spinosa. *** This is an East Indian sort with thorny growth along the stems and branches. It makes very graceful, gigantic clumps, 50 feet high, with canes 3 inches thick. Can only stand light frosts. Strong stock \$1.00 to \$2.00.

B. vulgaris. *** The common giant bamboo, grows now all through South Florida. Strong stock, 50c.

CAPRIOLA dactylon, variety. (Cynodon.) * * **St. Lucie Grass.** A fine leaved lawn grass, the favorite generally in South Florida. It grows very quickly from surface runners, but as it seldom perfects seed, must be grown from bits of sod. Clean sod, soil removed, 65c per bushel, by express only. Small lots by mail, 25c and upward.

CORTADERIA selloana. * (Gynerium.) **Silver Pampas Grass.** An immense grass growing in great clumps, with feathery plumes often two feet long. 35c.



Oneco, Florida



Pink-tinted Pampas Grass. Plumes of a pale flesh pink color. 35c.

CYPERUS alternifolius. * * * **Umbrella Grass.** Long known as a graceful house plant. Certainly a beautiful subject, when well grown. 15c, \$1.50 per doz.; larger 25c, \$2.50 per doz.

DENDROCALAMUS latifolius. * * * A splendid broad-leaved bamboo, resembling *B. vulgaris*, reaching a large size; the only giant bamboo we have ever grown that would stand a sharp freeze. Very rare and valuable. \$2.50.

D. strictus. * * * A wonderful giant bamboo of great beauty, having solid canes until very large, and reaching a height of 35 to 50 feet; will stand more frost than most Tropical plants and recommended for South Florida generally. A rare plant. Strong stock \$1.00 to \$2.00.

EULALIA japonica variegata. * A striped fo-

liage grass, with pretty panicles of bloom, reaching a height of 4 to 6 feet. 20c.

E. japonica zebrina. * **Zebra Grass.** Forms small clumps of a total height of about 6 feet; leaves striped crosswise with white. 20c.

ERIANTHUS ravennae. * A large plume grass, something like the Pampas Grass. Clumps 25c.

PANICUM molle. * * **Para Grass.** One of the greatest forage grasses for Florida and the Gulf Coast. Will grow on very indifferent soil, wet or dry, and produce wonderfully. Seldom perfects seed and is grown by plowing under the growing tops, preferably in the rainy season. Cut tops, by express, 25 lbs. for 50c; 100 lbs. for \$1.50. By mail, roots, at 25c per doz. Special terms for large quantity.

F. palmifolium. (*P. excurrens*.) * * A grand, broad-leaved grass, resembling a palm in the young state. In fact, commonly called **Palm Grass.** The leaves are 4 to 6 in. wide, gracefully recurved. Clumps grow to a height of 6 feet in a summer season. A magnificent grass for the lawn or border. A fine conservatory plant. 15c and 25c.

PHYLLOSTACHYS aurea. * (*Bambusa aurea*.) Very hardy species with underground running stems which throw up canes irregularly. Unless confined it makes a straggling appearance. Fine for tubs or for odd places; prefers a good, moist soil. Hardy to the Ohio River, at least. Attains a height of 8 to 12 feet. Single canes, rooted. 15c, \$1.50 per doz.; heavy plants, 1 to 4 stalks, 25c, \$2.50 per doz.

STENOTAPHEUM glabrum. * * * **St. Augustine Grass.** A good lawn grass. Thrives even under shade, and will grow on almost any soil. Does not need so much water as Bermuda or St. Lucie Grass. 40c per 100 cuttings; by express \$1.00 per bushel.

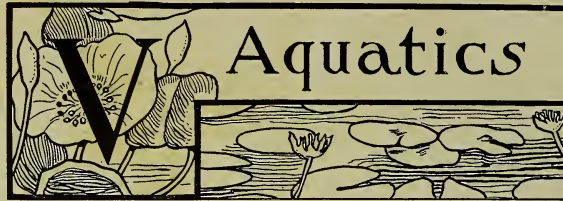
THYSANOLAENA agrostis. * * * From India. A handsome, quick-growing reed, reaching a height of 8 to 10 feet, forming a large clump. The great leaves are 2 inches broad by 18 inches long, and very attractive. \$1.00.

A collection of 6 choice Bamboos and Grasses sent to any address for \$1.00.

St. Cloud, Fla., Feb. 1913.—“I received the plants this morning and thank you for the extras and the promptness and care given my order.”—Mrs. C. A. Sims.



Bambusa disticha. (See Page 20.)



Explanation of symbols and letters. * Specially adapted for aquariums, or for growth in restricted places. ** Large, showy species. **H.** Hardy where the roots are kept below ice; some species with no protection. **T.** Tropical species, easily grown anywhere during summer. **S. T.** Sub-Tropical.

The species of **Caladium**, **Alcasia**, **Musa**, **Maranta**, **Hedychium**, **Heliconia**, **Amomum**, **Zingiber**, **Iris**, **Canna**, and others, can be grown with good effect in the low, moist ground surrounding lakes and ponds, and in similar damp locations.

The best time to plant *Aquatics* is during warm spring weather or summer. *Nymphaeas* may be planted along the edges of ponds or streams in not over a foot of water, and manure can be dug into the soil with advantage. You can not make soil too rich. For tubs use very rich soil and manure, with gravel or sand on top, to keep the water clean.

CYPERUS alternifolius. * **T.** See Dept. IV.

C. papyrus. ** **T.** (*Papyrus antiquorum*.) **Egyptian Paper Reed**, or **Moses Bulrush**. The triangular stalks support a large tuft of long, thread-like leaves; exceedingly graceful. Forms large clumps 4 to 7 feet high in rich soil. 25c, \$2.50 per doz.

LIMNOBIUM spongium. * **T.** A small native plant with floating leaves, which are filled with large air cells, of peculiar construction. 10c, \$1.00 per doz.

LIMNOCHARIS flava. * **T.** (*L. Humboldtii*.) **The Water Poppy**. Floating leaves and bright yellow flowers, 2 to 3 inches wide, very freely produced. A gem. 10c, \$1.00 per doz.

L. plumieri. * **T.** An erect plant with pale yellow flowers of small size. 10c.

MYRIOPHYLLUM proserpinacoides. * **T.** **Parrot's Feather** or **Milfoil**. An elegant trailing plant, the stems covered with whorls of very delicate foliage, especially suitable for vases in fountains, etc. 10c, 50c per doz.

NELUMBO. ** **H.** (*Nelumbium*.) A splendid genus of aquatics with very ornamental foliage, which stands well out of the water, and in late summer are surmounted with the magnificent flowers, more or less fragrant. They are all fine for tubs, and hardy where the roots are not frozen.

N. kermesinum. The earliest flowering variety, with rose-pink flowers; quite distinct. \$1.50.

N. luteum. **American Lotus**, or **Water Chinquapin**. Yellow flowers. Fine, \$1.00.

N. pekinensis rubrum. The best dark colored variety; flowers of a rosy carmine, very large and handsome. \$4.00.

N. shiroman. The grandest sort of all, with enormous snow-white flowers, exceedingly double and free-blooming. \$3.00.

N. speciosum. The **Egyptian Lotus**. Flowers pink, creamy-white at base of petals. Fragrant. This is the best known species. \$1.50.

NYMPHAEA. (*Castalia*.) **The Water Lily** or **Pond Lily**. The most desirable genus of all aquatics, comprising a great variety of species, with flowers of all colors, richly scented and lasting well when cut. Those in the **day-blooming group** are as follows:

N. marliacea rosa. ** **H.** A vigorous, hardy sort, with flowers of a soft pink color. Blooms all summer. \$1.00.

N. marliacea chromatella. ** **H.** A favorite bright yellow species of easy growth. Flowers 4 to 6 inches across. 75c.

N. mexicana. **H.** (No. flava.) A small flower, pale yellow in color, native in South Florida. 35c, \$3.50 per doz.

N. odorata. ** **H.** The native white pond lily, with large leaves and dazzling white flowers, 3 to 5 inches across. 20c, \$2.00 per doz.

N. odorata minor. * **H.** A miniature form with flower but 2 or 3 inches across. A fine subject for tubs. 25c, \$2.50 per doz.

N. odorata sulphurea. ** **H.** Very fragrant sulphur-yellow flowers, 4 to 5 inches across. 75c.

N. W. B. Shaw. One of the best hardy water lilies of the odorata section. Flowers a rich rose pink with yellow stamens. \$1.00.

N. Wm. Doogue. A grand lily of chaste and delicate coloring; flowers 5 to 6 inches across, cup-shaped and of a shell-pink color, with royal pink sepals. \$1.25.

N. pulcherrima. ** **T.** Giant flowers often 9 inches across, light blue with yellow stamens. Continuous bloomer. \$2.00.

N. tuberosa maxima. ** **H.** The flowers are cup-shaped, pure white with a strong aromatic fragrance. 25c, \$2.50 per doz.

N. tuberosa richardsoni. ** **H.** A very double flower like a giant snowball, being a perfect globe. Always much admired. 50c.

N. tuberosa rosea. ** **H.** A free-blooming deep pink species; highly desirable. 50c.

N. Mrs. C. W. Ward. **T.** One of the very finest of the tender day bloomers. The flowers are a deep rose-pink on long stems. Very free flowering. \$2.00.

N. Grossherzog Ernst Ludwig. **T.** A grand new introduction; a most profuse bloomer; flowers violet blue, with yellow center (blue and gold combination) on stems 12 to 18 inches above the water. \$2.50.

N. zanzibarensis azurea. ** **T.** A superb blue flower, sometimes 6 to 10 inches across, highly fragrant. 75c.

N. zanzibarensis rosea. ** **T.** Similar to above except in color, which is pink in varying shades. 75c.



Oneco, Florida



Night Blooming Species.

N. dentata. * * **T.** A grand pure white flower, 8 to 12 inches across, petals opening out very flat. 75c.

N. devoniensis. * * **T.** An early hybrid, with leaves sometimes 18 inches across; flowers 6 to 10 inches; color pure red, very rich. 75c.

N. Geo. Huster. Flowers a brilliant crimson, freely produced. \$2.00.

N. kewensis. **T.** A beautiful companion for *N. devoniensis*; flowers of a light pink color, freely produced. Flowers 6 to 8 inches across. \$1.00.

PELTANDRA virginica. * **S T.** Arrow Arum. Arrow-leaved plant growing about a foot high. 25c.

PIAROPUS azurea. * **T.** (Eichhornia.) The Blue Creeping Water Hyacinth. A fine plant, never likely to be a nuisance in Southern waters as is the following species. 15c, \$1.50 per doz.

P. crassipes. * **T.** The famous Water Hyacinth. A beautiful floating plant with very bright flowers in spikes, lilac, blue and yellow; 2 inches across. Will grow in clear water in the house admirably. A valuable forage plant for cattle; will grow in ponds and streams all along the Gulf Coast. Special prices for large quantities. 10c, 75c per doz.

P. martiana. * **T.** A choice plant, requiring good soil, not necessarily under water, but very wet. Spikes of small deep blue flowers. 15c, \$1.50 per doz.

PISTIA stratiotes. * **S T.** Water Lettuce. A pretty, floating plant, sometimes 6 to 8 inches across the rosette of velvety leaves. 10c, 85c per doz.

PONTEDERIA cordata. * * **H.** "Pickerel Weed." A free-flowering native plant, growing from 2 to 3 ft. high. Leaves broad, cordate and rank, flowers in spikes, very closely set, deep blue. 15c, \$1.50 per doz.

SAGITTARIA montevidensis. * * **T.** The Giant Arrow Head. Broad arrow-shaped leaves; white flowers in spikes. 25c.

S. lancifolia. * * **T.** A rapid grower with broadly linear to elliptic leaves and tall spikes of white flowers. 15c, \$1.50 per doz.

THALIA divaricata. * * **S T.** A magnificent native, ornamental bog plant, which may be grown at the North as easily as a canna. The enormous leaves, with red midribs, resemble the banana, and are 2 to 4 feet long. Flowers purplish, borne high on stems 6 to 10 feet tall. 25c, \$1.50 per doz.

TYPHA latifolia. * * **H.** Cat-Tail Flag. A very decorative bog plant well known everywhere. 15c, \$1.00 per doz.

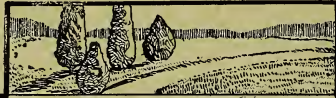
A collection of 5 choice Aquatics, our selection, for \$1.00. Remember, postage is paid by us on plants ordered by mail, and we send strong, vigorous plants, sure to please you.



Aquatics in Our Grounds; Creeping Water Hyacinth and Egyptian Paper Reed, with Phoenix reclinata in Back ground.



VI Conifers



All the following Coniferous Evergreens are entirely hardy in Florida and the Lower South, except *Araucaria excelsa* and *Casuarina equisetifolia*. This may be grown out doors in South Florida, in protected places, south of Orlando and Tampa. Our conifers are carefully grown, having plenty of space allowed for proper development, and are healthy and vigorous. Write for special rates for stock in quantity.

All are pot-grown except some *Thuyas* in open ground as noted and all may be set out at any time of year.

ARAUCARIA hidwillii. Bunya-Bunya Pine of Australia. A grand tree of symmetrical growth with branches from the ground up. Reaches enormous size and does well in South Florida, standing severe frost. Large plants \$5.00 to \$7.50.

A. excelsa. The "Norfolk Island Pine." A grand decorative subject both for pots when small, and open air in the Tropics. Will stand but little frost. Elegant plants 10 to 15 inches high, \$1.00. Larger, about 20 to 24 inches tall, \$1.50. Two feet or taller, \$2.00.

A. excelsa glauca. Foliage of delicate silvery color, sometimes bluish; very beautiful. Fine plants, \$2.00.

CASUARINA equisetifolia. The "Australian Pine," or Beef Wood. Used very extensively in extreme South Florida as a street tree, and for wind-breaks. 25c, \$2.50 per doz. Heavy stock, 2 to 3 ft., 50c, \$5.00 per doz.

CEDEUS deodara. The Deodar or Great Cedar of the Himalayas. Foliage somewhat like a pine, blue-green. Prefers a clay sub-soil and perfect drainage. 2 yr. old 25c, \$2.50 per doz. Fine stock, 18 to 24 inches high, 60c, \$6.00 per doz.

CUPRESSUS. The Cypress. A genus of most beautiful trees, varying in size, but all we offer are very desirable species. They do well in Florida, and are highly recommended.

C. goveniana. Reaches a height of 50 ft. with a broad pyramidal head. 50c, 75c and \$1.00.

C. lawsoniana. A graceful California variety; drooping branches; silvery green foliage. 25c and 50c.

C. lusitanica. The Cedar of Goa, from Portugal. Very handsome, with spreading branches. Foliage glaucous. Grows very fast, even on poor, sandy land. Strong stock, 50c and 75c.

C. sempervirens. An exceedingly slender tree, largely used in Oriental cemetery planting. Very strong imported stock, 3 ft. high, \$1.25.

C. sempervirens pyramidalis. Common Cypress of Western Asia and Southern Europe. The type is very slender, but the form *pyramidalis* is more cone-shaped, broad at the ground and tapering up, more or less slenderly. We have a splendid stock of these trees, which are a success over the entire South. 12 to 18 inches, 25c, \$2.50 per doz.; 18 to 24 inches, 35c, \$3.50 per doz.; 24 to 30 inches 50c, \$5.00 per doz.

PINUS excelsa. The Lofty or Botan Pine, from the Himalayas. Leaves fine, long and frequently blue-green. 25c and 50c.

P. halepensis. The Aleppo or Jerusalem Pine. The most common pine of Palestine, a low, spreading tree, 20 to 30 ft. high; its resin is used to preserve wine. 25c and 50c.

P. massoniana. Japan Pine. This reaches a height of 50 feet and furnishes excellent lumber of a deep red color. 3 yr. 25c.

TAXODIUM imbricarium. One of the two native Southern Cypresses. A great timber tree; it is also a beautiful ornamental tree when well grown. Strong trees, 35c and 50c.

THUYA (or Biota) This well known genus contains some choice species for Florida and the South. They grow on any fairly well drained land, and are all especially suitable for forming hedges.

T. occidentalis. American Arborvitae. A large bush or small tree, admirable for hedges. Foliage flat and very dense, highly odorous. Strong stock 25c and 50c.

T. orientalis. Chinese Arborvitae. A slender



Araucaria excelsa.



tree, with flat foliage, rather open in its natural state, but very suitable for hedges, as by shearing it gets to be very dense. Strong stock, transplanted in open ground, as follows: 10-15 inches high, 20c, \$2.00 per doz., \$15.00 per 100; 15-18 inches high, 30c, \$3.00 per doz., \$20.00 per 100; 2 to 3 ft. 35c, \$3.50 per doz.; 3 to 4 ft. 40c, \$4.00 per doz.

T. orientalis compacta. Conical in form, exceedingly dense and regular. A fine dwarf species, suitable for cemetery, park and general planting in many ways. 6 to 8 inches high 20c, \$2.00 per doz., \$15.00 per 100; 8 to 10 inches high 30c, \$3.00 per doz., \$20.00 per 100; 10 to 15 inches high 40c, \$4.00 per doz.

T. orientalis aurea nana. The best golden-tipped form yet produced. Of a rich golden color, which is very attractive. Small pot plants 25c. Large from open ground (unavailable), 50c and \$1.00.

T. "Rosedale Hybrid." A very unique and handsome dwarf species, with dark green, sometimes glaucous, sometimes bronze, foliage, of dense habit and conical shape. Pot-grown, 5 to 7 inches high, 20c, \$2.00 per doz., \$15.00 per 100. Stronger stock at 25c, \$2.50 per doz.

A collection of 6 choice conifers, our selection, will be sent postpaid for \$1.00. Ask for prices on large quantities of any stock needed. See discounts under paragraph 14, page 4. (See Business Rules.)

TESTIMONIALS FROM THE FAR WEST.

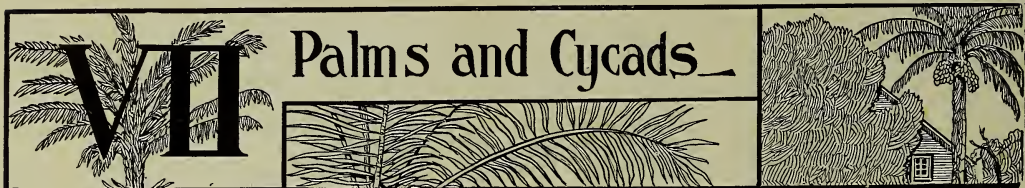
Venice, Cal. July, 1913.—"Thanks for the wonderful plants. It is a treat to receive such fine specimens of such rare plants in such perfect condition. Your plants and the packing cannot be improved on." * * * * *

Yuma, Ariz., Jan., 1913.—"Trees arrived yesterday in fairly good condition; a few were a little dry, but not enough to injure their growing qualities. (Had been weeks en route by slow freight). Passed inspection as about the cleanest bunch that has come in here this year. These trees cannot be duplicated in the West for twice the money." H. T. YEOMAN.

A prominent gardener of California writes us under date of Aug. 20th, 1913, the following inquiry, (accompanied by a good order: "I wonder why your plants all start right out to grow as soon as planted; others half or more die before they struggle to grow, and even those that come half the distance?" The reason is because of being grown in sandy soil, with consequently better roots and more vigor than the average; we also send a larger grade of stock than is general, and pack it properly to carry safely a great distance.



Cedrus deodara as an Avenue Tree. (See p. 24.)



"THE PRINCES OF THE VEGETABLE KINGDOM."

Palms form one of our specialties, and we grow thousands of plants. They are kept growing in pots, enabling them to be moved or transplanted at any time without trouble. We use no heat except for a few most tender tropical sorts, during a few days of winter, and consequently our plants are in fit condition to be shipped every day in the year, and are healthy and stocky. For outdoor planting, we recommend their being set in spring or summer, so that they may be established before cooler weather. No class of plants makes such a tropical and elegant display as Palms. Make the soil very rich. A plant in open ground when once established cannot be fertilized too heavily. Where dry, mulching and watering must be attended to in their earlier stages; later, they can take care of themselves. In the autumn, in semi-tropical climates, Palms should not be cultivated so late as to cause rank growth in winter. In fertilizing, use considerable sulphate of potash, which will help Palms harden their growth and thus put them in good condition to stand freezing weather; if too much nitrogenous manure is used it causes a sappy growth liable to be damaged by cold.

For culture in pots, see that the soil is rich, but not enriched too heavily, and that drainage is perfect. Do not try to grow a small plant in an extremely large pot. As a general rule, use 4-inch pots for plants 10 to 15 inches high; 6-inch pots for plants 20 to 24 inches high, etc., and always in such sizes that the roots will have plenty of soil, without its turning sour. Cover the drainage holes with broken pottery or small stones or similar material, to keep the soil from dropping through and to keep the waterways open. Palms in the house need some sunshine, and will do best with the morning and afternoon sunlight every day, only avoiding the heat of noon. They will exist and live for years with but little light, but are not healthy, nor will they grow fast. An even, rather high temperature suits them best, without drafts of fair. The hardier sorts will be able to stand a temperature of 60 degrees and do very well, but below this they will not make much growth. Even an occasional drop to 45 degrees will not kill them, but they would prefer 70 degrees most of the time. In summer, Palms will appreciate plunging in the ground to the tops of the pots, in a half shady, moist situation. Sponge the leaves occasionally to keep them clean and free from insects.

Explanation of symbols.—* Those hardy enough to grow outdoors along the Gulf coast or Southern California, etc., or in a temperature not lower than 15 degrees Fahr. ** Those less hardy, being able to stand ordinarily a temperature of 26 degrees Fahr. *** Tropical species not being able to stand anything beyond a faint frost. D. Especially recommended for cultivation in greenhouses or for house decoration, although all sorts named may be thus grown if given suitable temperature.

All measurements are taken in natural position, above the pots.

Palms are all pot or tub grown and may be shipped any time of year.

ACROCOMIA sclerocarpa. *** The Groo-Groo palm of Trinidad. Tall, pinnate and spiny. Young plants 50c, \$5.00 per doz.; larger at 75c and \$1.00.

A. totali. ** A quick-growing, hardy pinnate palm, of large size; trunk 10 to 15 inches thick, covered with stout spines. Exceedingly ornamental. Small stock \$1.00.

ARECA aliciae. *** A rare species from North Australia, of small size. Small 25c, \$2.50 per doz.; larger, 50c, \$5.00 per doz.

A. lutescens. See *Chrysalidocarpus*.

A. triandra. *** An Indian species having leaves from 3 to 6 feet long, and reaching a height of 20 feet. Of quick growth. Strong plants up to 4 feet high from 25c to \$1.00.

ATTALEA gomphococca. *** This is a grand palm of large size from Costa Rica. \$1.50.

BACTRIS aurantiaca. *** Pinnate Palm from Mexico; dwarf and spiny, but beautiful. Elegant plants with character. \$1.00 to \$3.00.

CARYOTA mitis. *** D. Fishtail or Toddy Palm. A splendid palm with peculiar bi-pinnate leaves; exceedingly ornamental either in a pot or when growing outdoors. Is of quick growth. 50c.

C. urens. *** D. This resembles the preceding species, but makes larger size, with a trunk 10

to 15 inches thick. Small plants 25c, \$2.50 per doz.; larger with partial character 50c, \$5.00 per doz.; specimens \$1.00 and \$3.00.

CHAMAEDOREA glaucifolia(?) *** D. A new palm from Guatemala, pinnate-leaved, of slender quick growth. With character, 3 to 4 ft., \$1.50 to \$2.50.

C. multicaulis. *** Light stock beginning partial character. 35c and 50c.

CHRYSALIDOCARPUS lutescens. *** D. (*Areca lutescens*.) A favorite for the greenhouse and home. Grows bushy and has elegant pinnate leaves nicely recurved. Nice young stock (partial character) 15c and 25c. Decorative specimens 50c; about 2 ft. high, \$1.00; about 2½ or 3 ft., \$2.00; about 3½ ft., \$3.00; about 5 ft., \$5.00.

COCOS. A very large genus of pinnate-leaved palms, mainly from South America, containing both Tropical and hardy species. The hardy trees are especially desirable for Florida and the Gulf Coast for planting out on lawns and avenues.

C. alphonsei. * This belongs to the *C. australis* type, is hardy and vigorous; leaves gray-green; fruit edible. 25c, \$2.50 per doz.; stronger, 35c.

C. australis. * Very hardy, slow growing; leaves bluish-green. A small tree said to reach 30 ft. 25c, \$2.50 per doz.



Oneco, Florida



C. bonneti. * D. Quite hardy, gray-green in color unless in deep shade, and very desirable for either pots or open ground culture. This is a beautiful palm. Strong, no character, 25c, \$2.50 per doz. Forming character, 50c to \$1.00; strong stock in 6-inch pots, 2 to 2½ ft. high, \$2.00, \$22.00 per doz; extra heavy, \$2.50.

C. datil. * A very hardy and vigorous species of the *C. australis* type, with gray-green leaves. Reaches a larger size than *C. alphonsei*, and is very ornamental. 25c, \$2.50 per doz.; stronger, 35c.

C. eriospatha. * A larger palm of the *australis* type; very hardy and beautiful. Young plants 25c, \$2.50 per doz.; stronger 35c and 50c.

C. gaertneri. * Similar to *C. australis*. Beginning character, 50c.

C. plumosa. * * * D. A perfectly magnificent palm, resembling a Royal Palm, but of slightly smaller size (reaching a height of 50 feet or more), with great plummy leaves from 10 to 15 feet long, dark shining green. There is nothing to approach this for planting in middle South Florida, as it stands quite hard frosts and adds a dignified beauty to any spot. Young stock 25c, \$2.50 per doz.; about 2 ft. high, without character, 50c, \$5.00 per doz. Specimens with character, 4 to 6 ft., \$5.00

C. nucifera. * * * The Coconut Palm. Strong plants. (Unavailable.) 50c, \$5.00 per doz.

C. species from Entre Rios. * A strong grower of the *australis* type. Strong plants, \$1.50.

C. weddelliana. * * * D. A very dwarf elegant pot palm, used largely with ferns in ferneries and dishes. Nice plants, fully characterized, 25c, \$2.50 per doz. Larger specimens, \$1.25.

C. yatai. * A very hardy species similar to *C. australis*. With character, \$1.00, \$2.00, \$3.50.

CYCAS revoluta. * D. "Sago-Palm." A beautiful semi-dwarf plant resembling a palm, with a dense crown of elegant symmetrical pinnate leaves recurving from the center. Quite hardy in Florida, and along the Gulf Coast, it succeeds generally with slight attention, and does not need irrigation after being planted six months. For culture in the house be sure to give it a very light, sunny exposure, especially during spring and early summer while it is making its rapid growth. Small plants 2 yrs. old, 25c, \$2.50 per doz. Imported plants, quite heavy, 75c, \$1.00, \$2.00 and \$3.00.

DICTYOSPERMA alba. * * * D. A slender pinnate palm of quick growth. The pinnae are broad

and the whole plant of interest and beauty. Strong young stock 25c, \$2.50 per doz.; from 18 to 24 inches high 50c, \$5.00 per doz.

D. rubra. * * * D. Commonly listed as *Areca rubra*. A fine pinnate palm requiring same culture as *Chrysalidocarpus lutescens*. Leaves finely tinted with red when young. Fine for planting out in extreme South Florida and the Tropics. Small plants 25c, \$2.50 per doz. Larger specimens with character 75c, \$1.00 and \$1.50.

DYPSIS madagascariensis. * * * D. A dwarf and slender pinnate-leaved palm comparatively rare. Fine, strong plants showing character, 75c and \$1.00; small 25c.

ELAEIS guineensis. * * * D. The famous Oil Palm of the Guinea coast. A splendid pinnate palm. From 50c to \$1.00.

GUILIELMA speciosa. * * * The rare Peach Palm of the Amazon. Pinnate-leaved; of quick growth; fruit edible. Is doing well in extreme South Florida out of doors. Very beautiful, but spiny-leaved. Strong plants, \$2.50.

HYDRIASTELE wendlandii. * * * D. Usually catalogued as *Kentia wendlandii*. A rare pinnate palm, with slender trunk 2 to 4 inches in diameter, of vigorous growth. 1 yr. old 25c, \$2.50 per doz.; stronger stock, 15 to 18 inches high, 50c, \$5.00 per doz.; 2 ft. high, \$1.00.

HYOPHORBE verschaffeltii. * * * D. A middle-sized palm allied to *Areca* and requiring same culture. Pinnate leaves from 4 to 6 feet long, the midribs striped with orange yellow on under side. A fine plant. 2 yr. old 35c, \$3.50 per doz.; extra strong 50c, \$5.00 per doz.; large specimens, \$1.00; 4 to 5 ft. high, \$5.00.

KENTIA forsteriana. * * * D. A pinnate-leaved palm, semi-dwarf in size, and of slow growth. Largely used in the

North for house decoration. Nice plants with character, a foot high, 50c; little specimens, 2 to 2½ ft. high, \$2.00; fine plants, 3 to 3½ ft. high, \$5.00. Bushy specimens in the largest size, \$6.50.

LATANIA borbonica. * * * D. The well-known Chinese Fan Palm. Formerly more widely used as a house palm than any other kind. It is a hardy, rather slow-growing plant, with broad leaves, usually of a drooping habit. Makes a fine decorative plant for either indoors or open air in the extreme South, where it forms trees with trunks 6 to 8 inches in diameter. A very pleasing palm for lining along drives or avenues in South Florida. A fine stock at following rates: Small 15c, \$1.50 per doz.; strong, from 5-inch pots with



Chrysalidocarpus lutescens. (See p. 26.)



Royal Palm Nurseries



character, 50c, \$5.00 per doz.; from 6-inch pots 75c. Extra fine \$1.00 and \$1.50.

L. commersonii. * * * **D.** Very rare species with large circular leaves, margined with red band. Leaf stems long and smooth, deep brown-red. Trunk slender; height of tree 7 to 10 feet. Young stock \$3.00.

L. glaucophylla. * * * **D.** A rare species with deeply divided glaucous leaves, tinged red. A magnificent palm, which should be in every choice collection, as the massive, reddish leaves are absolutely different from any other palm. Does well in extreme South Florida outdoors. Strong stock \$1.00 and \$2.00.

L. verschaffeltii. * * * **D.** Extremely valuable palm from Rodriguez Island, growing about 8 or 10 ft. high. Leaves flabelliform, very deeply cut, glaucous green; ribs of a golden color; stems orange colored from 2 to 4 ft. long. Trunk stout. Young stock \$5.00.



Pritchardia pacifica in South Florida. (See p. 29.)

LIVISTONA rotundifolia. * * * **D.** A beautiful dwarf palm with almost circular recurved leaves (resembling *Latania borbonica*) requiring warm quarters. An unique plant for table decoration. Nice young plants 35c.

MARTINEZIA caryotaefolia. * * * **D.** An elegant palm with foliage like the *Caryotas*, but spiny. Trunk slender, about 2 inches thick. Fine young plants with partial character 50c, \$5.00 per doz.; larger plants in good decorative shape, from 2 to 3 ft. high, at \$1.00, \$1.50 and \$2.50.

NEOWASHINGTONIA sonorae. * The best strain of the **California Fan Palm**, sometimes called "*Washingtonia robusta*," "*Thread Palm*," etc. A fine hardy palm with reddish-brown, blunt spines on the leaf-stems, and threads hanging from the leaves; used largely as a street tree. With partial character 35c; from 5-inch pots 50c; from 7-inch pots \$1.00; from 9 or 10-inch pots, \$2.50.

NEPHROSPERMA van houtteanum. * * * **D.** An elegant armed, pinnate-leaved palm from the Seychelles. Height 35 feet. Leaves divided into broad, unequal segments, pendulous. Small only, \$1.00.

OREODOXA borinquena. * * * (*Roystonea borinquena*.) **Porto Rican Royal Palm**, differing somewhat from the Cuban species, in being more vigorous and stocky. Does well in extreme South Florida outdoors. Small 15c, \$1.50 doz.; 3 to 4 ft. 50c.

O. oleracea. * * * **D.** The **Palmiste**, or **Cabbage Palm** of Jamaica. A noble palm, much like *O. regia*, having coarser leaves and even more robust character, reaching a height of 100 ft. or more. 2 to 3 ft. 50c, \$5.00 per doz.; 3 to 4 ft. 75c, \$7.50 per doz.

O. regia. * * * **D.** The **Royal Palm**. This is one of the grandest of all pinnate-leaved palms, reaching to a height of 125 feet in the Florida Everglades, where it is rarely found wild. The great leaves are 15 feet or more in length. Our main nurseries were named from this choice palm, beautiful specimens of which had been transplanted here, but were lost some years later by frost. When young this palm is tall and slender. Young plants, no character, 1c, \$1.50 per doz.; larger, beginning character, 25c, \$2.50 per doz.; 2½ to 3 ft. high with partial character, 35c, \$3.50 per doz.; larger plants at 50c, 75c and \$1.00.

PHOENIX. The **Date Palm**. Pinnate-leaved palms of hardy character, many species of which will endure severe freezing unharmed. We recommend the various species for open-air planting on a large scale in Florida and protected Gulf Coast spots.

F. canariensis. * **D.** The **Canary Island Date**. One of the finest and hardiest for open-



Oneco, Florida



air planting. Leaves long and pinnate, closely set; trunk very large. Splendid for lawn and park planting along the Gulf Coast, as it is hardy and vigorous. Small plants: 1 yr. 15c, \$1.25 per doz.; 2 yr. 25c, \$2.50 per doz.; 4 yr. 50c, \$5.00 per doz. Fully characterized imported specimens, 2 ft. high, \$3.50; 3 ft. or taller, \$5.00.

P. farinifera. * **D.** A dwarf species admirable for house decoration. The seeds are covered with a sweet, mealy pulp. Our stock is true to name. Fine plants, fully characterized, \$3.00.

P. humilis. * * A rare species from Northern India, of small size. 35c.

P. paludosa. * * **D. Swamp Phoenix.** Resembles *P. reclinata* somewhat. Fine plants, rather slender, with character. \$1.00, \$1.50 and \$2.00.

P. pumila. * * **D.** A quick grower, with a slender trunk not over 6 inches in diameter. Fine for street planting. Young plants 15c, \$1.50 per doz. Beginning character 25c, \$2.50 per doz.; larger 50c, \$5.00 per doz.; 2 ft. high 75c; about 2½ ft., \$1.00; broad and heavy, \$1.50.

P. reclinata. * * **D.** A splendid palm for the house, or for open-air planting in South Florida

and other warm regions. Leaves are arched and very dark green; tree grows quickly, having a trunk 5 to 8 inches in diameter, but unless the suckers are removed the plant makes an immense plummy clump, trunk or trunks not being visible. It is especially fine when allowed to grow at will. Can be used for street planting by cutting off the small suckers for a few years, when they cease to sprout out. We grow tents in quantity. Small plants 1 yr. old 10c, \$1.00 per doz.; 2 yr. no character, 15c, \$1.50 per doz.; 3 yr. with character, about 15 to 18 inches high, 25c, \$2.50 per doz.; 18 to 24 inches, 50c, \$5.00 per doz.; from 6-inch pots, 75c; from 7-inch pots, about 2½ ft. high, at \$1.00; larger, about 3 ft. high, \$2.00; very strong specimens, \$3.50; from open ground, 3 ft. high, very heavy, \$2.00; 4 ft. or taller, \$3.00.

P. reclinata var. Leonensis. * * A stronger grower with more spines along the leaf stems than the type. Strong plants, characterized, \$1.00.

P. roebelenii. * * * **D.** A new and dwarf species, especially fine for house decoration. Nicely characterized plants, 50c. Elegant small specimens, 75c; larger, \$1.00 and \$2.00.

P. rupicola. * * **D.** One of the finest species for growing in pots for the house or conservatory. Has wide-spread, arching leaves, the pinnae set closely along the midrib, and the plant carrying a large number of leaves. Small, no character, 25c, \$2.50 per doz.; beginning character 35c, \$3.50 per doz.; stronger plants 50c. Lovely plants 75c, \$1.00 and \$1.50.

P. sylvestris. * The **Wild Date of India.** Tall, fast-growing, with large trunk, 12 to 14 inches in diameter and very hardy. The crown is composed of a large number of splendid long gray-green leaves; it is a grand palm for nearly all portions of Florida. 2 yr., no character, 25c, \$2.50 per doz.

P. tenuis. * A hardy species somewhat like *canariensis*, but with glaucous foliage. Small plants 25c, \$2.50 per doz.

P. zeylanica. * The **Ceylon Date.** A very slow growing hardy species with a huge trunk, and glaucous leaves. Plants beginning character, 25c, \$2.50 per doz.

FRITCHARDIA pacifica. * * * A very interesting and majestic fan palm from the South Sea Islands, with a fairly slender trunk and great broad plaited leaves up to 6 ft. in width. Strong plants, no character, 50c, \$5.00 per doz.

PTYCHOSPERMA alexandrae. * * * **D.** A beautiful, smooth, pin-



Ptychosperma elegans in Open Ground. (See Page 30.)



Royal Palm Nurseries



nate-leaved palm, resembling the *Seaforthia*, but the pinnae are finer, with under surfaces of a silver color. Small plants 15c, \$1.50 per doz.; strong plants, not characterized, 25c, \$2.50 per doz.; beginning character, \$1.00. Larger plants, \$2.50 and \$3.00.

P. elegans. * * * D. (*Seaforthia elegans*.) Will always be known as the **Seaforthia Palm**. A most graceful palm, eminently adapted for decorative uses. The beautiful pinnate leaves are from 2 to 3 ft. in length, dark-green and smooth, and the plant always carries a goodly number, making a superb subject for house decoration, and for the lawn in warm countries. This is really one of the finest palms for the South, standing chilly

rooms in winter without dying at the tips. We grow it in large quantity and find it a universal success, judging from our customers' letters. 1 yr. old, no character, 10c, \$1.00 per doz.; 3-inch pot plants, no character, 15c, \$1.50 per doz.; about 15 to 18 inches high, with some character, 25c; about 18 to 25 inches high, fine 50c; about 2 to 2 1-2 ft., 75c; about 3 ft., \$1.00; about 4 ft., \$1.50; about 5 ft., \$2.00; about 6 ft., \$3.00.

P. mcarthurii. * * * D. A dwarf species, which throws up numerous suckers, forming bushy plants. Beautiful large specimens, 8 to 9 ft. high, \$10.00 to \$12.00.

ROSCHERIA melanochoetes. * * * D. A palm of 15 to 25 ft. with many aerial roots, and stems 2 to 3 inches in diameter, with ring of spines when young below each leaf scar. Very ornamental and scarce. From shaded forests of Seychelles Islands. Small only, \$2.00.

SABAL adansonii. * D. Dwarf Palmetto or Blue Palm of Florida and South Georgia. A stemless species with dark, blue-green, fan leaves, growing 4 to 5 ft. high. This, with all the Sabals, is particularly suitable for the "Gulf Coast Country," being very hardy. Strong plants, beginning character, 35c, \$3.50 per doz.

S. blackburniana. * One of the West Indian giant palmettos, with enormous leaves. Very choice and hardy. 3 yr. 25c, \$2.50 per doz.

S. causiarum. * (Inodes causiarum.) The **Hat Palm** of Porto Rico. This is probably perfectly hardy here, as it is closely allied to our cabbage palmetto. Commencing character, 50c.

S. glaucescens. * * D. This species has a beautiful bluish-gray coloring to the leaves, and is of quick growth, especially suitable for growing in the greenhouse or conservatory, etc. Fine young plants with semi-character, 50c, \$5.00 per doz.; larger, 75c.

S. mexicana. * Mexican Palmetto. Resembling *S. Palmetto*, but is heavier and more stocky. Strong plants, 50c.

S. palmetto. * The famed **Cabbage Palmetto** of the South. A tall tree with a large head of fan leaves. **Very suitable for street planting in all our Southland near the Gulf and Atlantic coasts.** Has a number of economic uses. 2 yr., no character, 10c, \$85c per doz.; 3 yr. 15c, \$1.50 per doz.; beginning character 25c,



Dictyosperma rubra in South Florida. (See p. 27.)



Oneco, Florida



\$2.50 per doz.; from 5-inch pots, with some character, 50c, \$5 per doz.

S. sp. unknown. * A gigantic leaved palmetto, introduced here from an unknown source and differing from our other large sorts; the immense leaves are from 6 to 8 feet across, of a very dark shade of green. 2 to 2½ ft. high, \$1.00.

S. umbraculifera. * The tallest species known, reaching a height of 80 feet in the West Indies, having immense leaves with drooping habit and long stems. 2 yr. 15c, \$1.50 doz.; stronger 35c.

SEA FORTHIA. See

Psychosperma elegans.

THRINAX barbadensis. * * * **D.** Without doubt one of the handsomest of all small fan palms. A dwarf species with very slender trunk; leaves deeply cleft, almost circular, dark green, on slender, graceful stems. Small, characterized, 25c, \$2.50 per doz.; about 2 ft. \$1.00; about 2½ ft. \$1.50; about 3 ft., \$2.00.

T. Wendlandiana. * * *

D. (*T. parviflora*.) **Thatch Palm.** Resembles *T. barbadensis*, but is larger and has broader leaf segments when fully developed. 25c and 50c.

T. radiata. * * * **D.** A very beautiful dwarf fan-leaved plant, especially valuable as a decorative palm. Leaves are deeply cleft, dark green and very graceful. A splendid little palm for table decoration. Lovely plants 25c; about 1 foot high, 50c; larger at 75c and \$1.00.

T. species unknown. *

* * * **D.** A new dwarf species, leaves exceptionally deeply cleft and dark green. Nice plants \$1.00 and \$2.00.

TRACHYCARPUS excelsa. * (*Chamaerops excelsa*.)

Chusan Palm from China. Very hardy, enduring sharp freezing and living in Middle Georgia with slight protection. A dwarf fan palm of slow growth, with semi-character, 25c, \$2.50 per doz.

VERSCHAFFELTIA splendida. * * * **D.** A rare palm from the Seychelles Islands, with very

LARGE SPECIMEN PALMS: A few rare plants priced on application.

For other choice decorative plants often listed with Palms, see Pandanus, page 88. Dracaena, p. 37.

COLLECTION A.—Five small Palms, good sorts, all different, by mail for 50 cents.

COLLECTION NO. 1.—Ten Palms, all different, in nice plants, sent to any address for \$1.00.

COLLECTION NO. 2.—Ten Palms, in larger sizes than above, sent by mail for \$2.00.

COLLECTION NO. 3.—Five Palms, all different, showing character, and ready for immediate decorative effect, for \$2.50.



Psychosperma Alexandrie in One of Our Glass Houses (See Page 29.)

broad and entire foliage; trunk spiny. Young stock \$1.50.

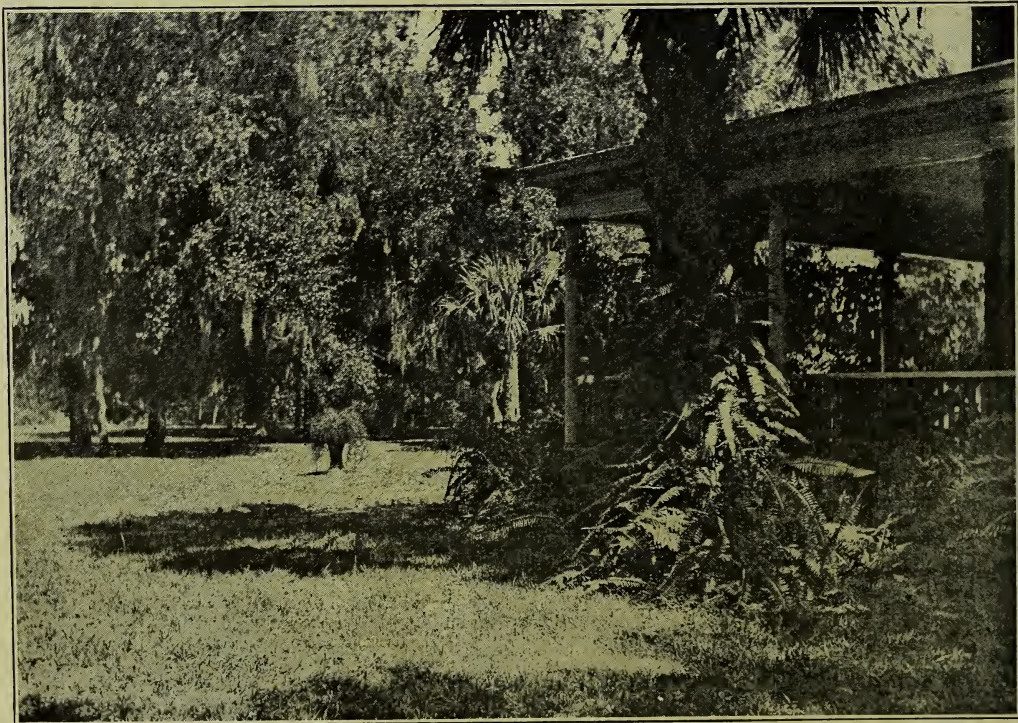
ZAMIA integrifolia. * * **D.** (or *Z. Floridana*.) Our native cycad, the **Comptie**. A dwarf, rarely over 18 inches high. Strong plants, 25c and 50c.

VIII Ferns and Selaginellas

Varieties with the asterisk (*) are the more hardy sorts. Others should be kept from hard frosts, being tropical. Our list embraces a very choice collection and will be found quite complete. See special offer of collection of Ferns, at end of Department.

Ferns are becoming more generally grown as decorative plants for many special uses, as specimens for greenhouse or home, in groups in ferneries, and in fern-dishes for table decorations, etc. Most of the sorts we list can be grown into large specimens, for jardinières and hanging baskets, if desired, and will be found useful for shaded places, where other plants would fail. In house culture, these should all be given some sunshine, if possible, daily. The less light they get the more frail and weak they become. Soil should be generally rather light, with leaf mould, or very old, well-rotted manure. Too much manure is injurious, yet some sorts will be benefited with considerable added as a top-dressing. Concentrated fertilizers are not so well suited for Ferns as for more rank-growing plants.

Ferns are nearly all pot-grown, and may be shipped out at any time of year.



Swordferns on Trunk of Sabal palmetto in Our Grounds;—Ferns are Grown Around This Residence in a Border 3 Ft. Wide; Mingled With Them are Caladiums, Begonias, Crotons, Aspidistras and Dwarf Palms, etc., in Great Variety and Beauty, the Partial Shade Suiting Them.



Oneco, Florida



ACHROSTICUM aureum. The Salt Water Fern. A large native plant with coarse leaves growing in wet places along our coast. 35c.

ADIANTUM caudatum. A small plant, rooting at the tips of fronds—a kind of "walking fern;" very pretty. 15c.

A. farleyense gloriosa. The new Glory Fern. This is a grand new fern very much like the old type, but comes from spores, and is a very valuable acquisition. The fronds are heavy with very broad pinnae, exceedingly graceful, and the plant attains large size under very ordinary culture and conditions. Fine plants 50c, \$5.00 per doz.

A. hybridum. A maiden-hair fern. A splendid new species similar in style to cuneatum, but has heavier and larger foliage; the finest sort known for florists' use for cutting, and also the best for amateurs in the South, growing well for everyone. A grand acquisition for house growth. Fine plants 15c, 25c, 50c and \$1.00.

A. lunulatum. A "walking fern," rooting at the tips of fronds. A small, graceful plant, fine for baskets. 25c, \$2.50 per doz.

ALSOPHILA australis. Australian Tree Fern. Very fine long fronds, and with age develops a trunk sometimes 25 ft. high. Young plants 50c, \$5.00 per doz.

ASPIDIUM tsussinense. A fine dwarf fern for either single specimens or for filling fern dishes. 15c, \$1.50 per doz. Larger, 25c.

A. thelypteris. A delicate native fern, with narrow fronds. 15c, \$1.25 per doz.

A. unitum-glabrum. * A common native fern, growing 2 to 3 ft. high. Very

rank grower, with long fronds. 10c, 85c per doz.

BLECHNUM occidentale. Dwarf plant with rich colored new foliage, of easy growth. 20c.

B. serrulatum. * Larger than the preceding species, this handsome native plant works in well in large ferneries. Grows from 2 to 6 feet high. 15c, \$1.50 per doz.

CIBOTIUM barometz. This belongs to the tree ferns, but has no trunk. The broad elegant fronds are very beautiful and lace-like, with a delightful fragrance at times. Of quick and easy growth, this is a very popular house plant. Very strong 25c, \$2.50 per doz. Large specimens 35c and 50c.

C. schiedel. A very imposing tree fern of rare beauty, and with a hardy constitution, so that it may be easily handled. Difficult of propagation, it will never be common. Fronds are very broad and of a drooping nature, so that the plant shows best when standing on a pedestal when in

a young state before the trunk is of appreciable size. Fine stock at \$1.00 and \$3.00.

CYRTOMIUM falcatum. The Holly Fern. This has dark-green very broad pinnae and makes a very fine specimen, up to 18 inches high. 15c, \$1.50 per doz.; larger 25c.

C. rochfordianum. New Crested Holly Fern. A very satisfactory plant for decorating, with dark-green foliage, waved, and deeply cut on the edges. While massive in appearance, it has a graceful and light effect. Fine young stock 25c, \$2.50 per doz.

GYMNOGAMME tartarea. The Silver Fern. Tall and vigorous, with white powder on under surface of the fronds. Needs plenty of light and heat. 15c, \$1.50 per doz.; large 35c, \$3.50 per doz.

HEMIONITIS palmata. A very dwarf fern with broad palmate leaves, covered with a velvety down. 25c.

LASTREA sp. from Jamaica. A beautiful vigorous plant of creeping habit, forming dense clumps about 18 inches high. Strong plants 25c, \$2.50 per doz. extra large 35c, \$3.50 per doz.

LYGODIUM scandens. * Japanese Climbing Fern. A rare thing—a real vine that happens to be a true fern. Grows up vigorously to a height of 10 to 15 feet, and makes a mass of the most charming lace-like growth, admirable as a specimen plant, or when cut for decorations. Very useful to the florist. 20c, \$2.00 per doz.

MICROLEPIA hispida. A rather dwarf plant not over 10 to 15 inches high, spreading rapidly, making good clumps. Strong plants, 15c, \$1.50 per doz. Extra large 25c, \$2.50 per doz.

NEPHROLEPIS
The Sword Fern.

The various species of this popular genus are the best known house ferns, growing under adverse conditions well and giving satisfaction to all. They are without doubt the most popular ferns for the living room and business office, being very showy and of very easy growth. They are grown in pots on pedestals, or in hanging baskets, thus showing off their wonderful plummy fronds to best advantage.

N. amerpohlii. The "Lace Fern," A new form of the popular ruffled sword fern, with very broad fronds having exceedingly finely-cut subdivided pinnae, overlapping and giving a heavy, rich effect. A splendid new plant of the highest merit. 25c.

N. cordata compacta. Stocky and dwarf, with beautiful dark-green leaves; a splendid plant, which should be freely used. Fine plants 10c, 25c, 35c.

N. cordifolia. Something like the preceding, but



Nephrolepis cordifolia.



with longer fronds not usually so dark-green, and growing up to 2 feet high. A fine species of easy growth for baskets. 10c to 35c for strong plants.

N. davallioides, furcans. The "Stag-Horn Boston Fern." A grand decorative plant, with the ends of the fronds and pinnae curiously divided and crested. A magnificent subject for a jardiniere, growing up to 4 feet high and 6 feet across! Small plants 15c, \$1.50 per doz.; Beauties 25c, 50c, 75c, and \$1.00.

N. duffii. A tufted dwarf species with branched fronds growing up to 2 feet high rarely. 15c to \$1.00.

N. exaltata. The **Sword Fern** of the Tropics, growing all around the earth. Formerly largely grown as a basket plant, but now superseded by the more popular variety, the Boston Sword Fern. 10c, \$1.00 per doz.

N. exaltata bostoniensis. The **Boston Fern**. Widely grown and a general favorite. A grand plant for general decorative use, always fine and beautiful. 20c and 50c.

N. exaltata cristata. The **Crested Boston Fern**. More dwarf than, but similar to, the *N. davallioides furcans* in general appearance. Rare and choice. Small plants 15c, \$1.50 per doz.; fine decorative plants 25c, 50c and 75c.

N. exaltata superba. A very grand new crested or plumed Boston Fern growing up to 3 feet high under best conditions. It is well worth giving extra care. Good plants 35c.

N. exaltata. var. "Roosevelt." A wonderfully charming new form of the Boston Fern, enthusiastically described by the disseminators as "The Grandest Fern of the Age." In general, it resembles a Boston Fern, but has many more fronds per plant; is bushier and handsomer. The pinnae are beautifully undulated, giving a pronounced wavy effect unlike all others, increasingly beautiful and distinct with age. Fine young plants, 35c.

N. pectinata. The miniature sword fern, smallest species we know. Nice plants, 25c.

N. rufescens tripinatifida. The **Ostrich Feather Fern**. Elegant, long fronds, four feet

in length, finely cut, of a peculiar charming color when young. Grows more upright than most sword ferns, forming good specimens, adapted for general decorative use. Needs a warm, light situation. Strong plants, 15c to 50c.

N. scholzei. Plumed Scott Fern. A splendid new form of ruffled fern, partaking of the semi-dwarf habit of its parent, *N. Scottii*, with the added grace of the beautiful divided foliage. 15c and 25c.

N. scottii. Scott's Compact Boston Fern. A good form of the sword fern with broader fronds and a greater number per plant than the common sort; semi-dwarf. A very fine fern. Strong, beautiful plants, 15c to 50c.

N. superbissima. "Fluffy-ruffles" fern. Entirely



Leaf of *Nephrolepis davall. furcans*, and *Pteris tremula*.



different from all other sword ferns, with dwarf and compact leaves, the pinnae being crowded and overlapped; very dark green color. 15c and 25c.

N. whitmani. "Ostrich Plume Fern." A great fern which appeals to everyone. Leaves very long and beautifully divided into almost lace-like divisions. A very charming plant. 25c.

OSMUNDA cinnamomea. * The Cinnamon Fern. A hardy native fern of very large size—3 to 5 ft.—with fronds bearing spores, without any green foliage, coming up in the spring. 15c and 25c.

O. regalis. * The Royal Fern. This has broad, elegant, sub-divided fronds of great beauty, growing up to 5 ft. 15c and 25c.

POLYPODIUM aureum. The Golden Polypody. This has broad, coarse fronds, and grows in the fibre of palmetto trees. Distinct, 20c.

P. incanum. * Resurrection Fern. Small plant with short fronds 6 inches long, growing freely on rough-barked trees in Florida; in moist weather they uncurl and grow. 10c and 25c.

P. mandaianum. A most magnificent new creation among ferns, splendid in decorative character and value, the cut fronds lasting for a long time in water. This grand plant took first premium and gold medals wherever shown in 1912 and 1913, and is admired by everyone. It is of decorative value even when in a 3-inch pot, but is superb when fully grown, with fronds 5 feet long. Fine plants \$2.00.

P. phyllitidis. Our native Hart's Tongue Fern. Leaves simple, about 18 inches long by 2 inches broad, each plant well furnished. 25c.

PTERIS cretica albolineata. A low-growing plant with coarsely divided leaves striped with white. The best variegated-leaved fern we know. 25c.

P. marginata. A giant Hawaiian fern with fronds up to 4 ft. across and reaching a height of 7 ft. Truly a splendid giant fern of pleasing bushy appearance. 50c.

P. serrulata cristata. This has crested ends on the fronds, making a pretty variation from the type. 15c and 35c.

P. tremula. A fine plant growing up to a height of 18 inches and making splendid specimens. 25c.

P. victoriae. A small plant, with foliage striped with white. Very pretty. 15c and 25c.

P. wilsoni. A plant with crested and divided fronds, of excellent habit and style; reaches a medium size only, very dense and attractive. 25c.

SELAGINELLA. Club Moss. Very delicate, fern-like plants, reminders of the pre-historic coal age. They need heat and moisture and very little sunlight. Fine for wardian cases.

S. braunii. Erect species with curving fronds a foot long. Very beautiful and interesting. 25c.
S. cuspidata. A dwarf tufted plant. 15c.

S. hemaetodes. One of the finest, from Guatemala, with large, spreading, fern-like branches. Grows 10 inches tall. 25c.

S. schottii. A rank creeping sort with free growths a foot long. 15c.

S. uncinata. Rainbow Moss. A creeping specimen, lying very flat, the fronds showing peacock blue and bronze tints. Fine for edging or tubs, baskets, etc. 10c and 25c.

S. vogelii. A fine, erect species with leaves from 1 to 2 ft. high and showing bronze coloring at times. 25c.

S. wildenovii. A giant creeping species. 35c.

WOODWARDIA augustifolia. * A native creeping species with coarse leaves about 10 inches high. Distinct. 10c.

W. virginica. * A large fern found in the South generally. It is suitable for collections of hardy kinds. 15c.

No. 1 Collection of five strong Ferns, all labeled, for 40c, postpaid. (Our selection only.)

No. 2 Collection of ten Ferns, including some of the rarer sorts, all very choice, all labeled, for \$1.00 postpaid. (Our selection only.)

No. 3 Collection of five Ferns, in large sizes, of great decorative value, fine sorts, all labeled, \$1.25 postpaid. (Our selection only.)

No. 4 Collection of ten sorts, all different, suitable for a fernery, strong, showy plants, not labeled, for 75c, postpaid.



Polypodium mandaianum in an 8-inch pan; plants 4 feet wide.

IX Foliage and Decorative Plants

Mostly tropical, suitable for greenhouses, the living room, warm business offices, for bedding out in the summer at the North, or planting permanently in open ground in the tropics, and along our Southern and Western coast regions where only a slight protection from frost will be necessary. The surest method of protecting the stem and roots is to bank up with soil as high as one chooses, to keep out actual freezing; do this at the signs of the first hard frost and leave until growth starts in the spring.

Nearly all are pot-grown, so may be shipped any time of the year.

ACALYPHA bicolor compacta. A rather dwarf grower, with broad green leaves, marbled and edged with creamy white. 25c, \$2.50 per doz.

A. godseffiana. A dwarf species, leaves broad green, margined yellow, and suffused more or less with pink. 15c and 25c.

A. marginata. The largest sort in the genus, growing in open ground up to 8 ft. high. Fast growing. Leaves green, margined with varying shades of red, pink and cream. In cool weather is exceptionally gorgeous. 15c, \$1.50 per doz.; extra large, 25c.

A. miltoniana. Of medium growth, with narrow, cut leaves, green and cream-colored. 15c, \$1.50 per doz.; extra large 25c and 35c.

A. mosaica. Mosaic-leaved. A most gorgeous plant, foliage showing all shades of green, yellow and red, with curious markings. A fine plant. 15c, \$1.50 per doz.; larger 25c, \$2.50 per doz.

A. tricolor. Resembling the preceding, but with regular foliage, mostly of a rich red effect. A grand plant, which should be planted very extensively. 15c, \$1.50 per doz.; larger 25c, \$2.50 per doz.

Achyranthes emersoni. A fine plant for bedding or window boxes, with deep red foliage. 10c, \$1.00 per doz.

A. Farrache de Bailey. New variety with green foliage, reticulated with creamy yellow; leaf stalks and stems crimson. 15c, \$1.50 per doz.

ANTHURIUM andreaeanum. A good decorative plant with curved sword-shaped leaves and peculiar shaped flowers, which last in perfection for two or three months. These are very good as cut flowers. Strong plants in red, pink and white flowering sorts at \$1.50 each.

A. scherzerianum. This has very brilliant scarlet flowers. Good plants \$1.50.

ARALIA balfourii. A new species with round leaflets beautifully variegated green, white and cream, something like *A. Guilfoylei*, which see. 50c.

A. elegantissima. Palmate, deeply divided leaves of a brownish-green color. 50c.

A. filicifolia. A fine shrubby plant, growing up to 8 ft. high. Valuable in all sizes. Foliage fern-like, exceedingly attractive. 25c and 50c.

A. guilfoylei. A handsome species with compound leaves which are variegated green, white and cream. Very showy for both pots and bedding. 15c to 35c.

Ardisia pickeringii. Our native **Spiceberry Bush.** A pretty shrub with broad, simple leaves, bearing black berries of pleasant flavor. Nice plants 25c to 50c.

A. polycephala. Resembles the preceding species somewhat. 25c. Bearing plants, 50c.

ASPARGUS plumosus. A very fine, fern-leaved climbing plant, particularly adapted for bouquets and all cut-flower work, etc. Lasts for days without water. May be grown outdoors in Florida and warm regions. A fine pot plant for any climate. 10c, \$1.00 per doz. Stronger plants 15c, \$1.50 per doz.; fine specimens at 25c and 35c.

A. plumosus var. hatcheri. Hatcher's new form, a decided acquisition for florists, decorators and growers. The plants make dense clumps, as well as long sprays which have twice the number of branches over the old type. This is a beautiful decorative plant which will be largely grown soon as stock is available. Nice plants 25c, \$2.50 per doz.

A. sprengeri. One of our introductions from South Africa in 1888. Indispensable to every florist. The plant is best grown in baskets or on pedestals, so the long shoots may hang. A grand plant in any size. Fine plants in various sizes. 10c, \$1.00 per doz.; 25c, \$2.50 per doz.; 50c, \$5.00 per doz.

ASPIDISTRA lurida. A grand old decorative plant from Japan. Leaves broad and canna-like, slightly variegated with white. If grown (as it may be safely) in a shaded place continually, it has more white variegation than when in full sunlight. Grows about 18 inches high. 50c, and \$1.00.

CARLUDOVICA palmata. The **Panama Hat** plant. Resembles a palm, but has no trunk.



Asparagus plumosus.



Oneco, Florida



Leaves palmate. A very decorative plant, reaching a height of about 4 or 5 feet. Small plants 15c, \$1.50 per doz. Large, fully characterized, 75c and \$1.00.

CODIAEUM variegatum. **Crotons.** Splendid shrubby plants with variegated foliage, both narrow and broad, requiring plenty of heat and moisture. No other genus of decorative plants can furnish such a variety of color. Grand plants for bedding out, and for growing in pots or tubs. Mixed plants not labeled, small, all different, 10c, \$1.00 per doz.; larger, 6 to 10 inches high, 15c, \$1.50 per doz.; better, 25c, \$2.50 per doz. Large specimens, \$1.00 to \$2.00.

Amabile. (Sometimes called *Variabilis*.) Broad-leaved, of slow growth, very highly colored, showing pink, purple, green, yellow, 25c, 50c.

Angustifolium. Very narrow-leaved; green and yellow; 25c and 50c.

Andreanum. Broad-leaved, high color; orange, pale yellow, etc. Very gorgeous variety. 25c and 50c.

Aucubaefolium. Broad and short in leaf; green with yellow dots, bronze under surface. 25c, 35c and 50c.

Aureo-maculatum. Very small and narrow foliage; green, spotted yellow. 35c and 50c.

Cooperii. Leaves yellow, veined and blotched, changing to red. 25c and 50c.

Cornutum. Leaves narrow, wavy-margined, dark-green, mottled yellow, midribs projecting at tips. 25c, 35c and 50c.

Dayspring. Leaves rather broad, orange-red midrib; broad-leaved. 25c and 50c.

Dermannianum. Small but broad leaves, bronzed, green and yellow. 35c.

Disraeli. Trilobed leaves or various shades of yellow and pale green; edges red. 25c and 50c.

Evansianum. Leaves three-lobed, veined yellow and mottled yellow, bronze and orange. 25c and 50c.

Fasciatum. Leaves obovate-elliptic; green blotched yellow; petioles pink. 50c.

Gen. Paget. Leaves extremely broad, green and yellow; a superb show variety. 75c.

Grayii. Something like *Majesticum*. 35c and 50c.

Hawkeri. Medium narrow leaf, mostly yellow. 25c and 50c.

Illustris. Leaves with three narrow oblong lobes, golden-barred and variegated. 25c.

Interruptum. Purplish-green above, with twisted midrib; broad-leaved. 35c and 50c.

Irregulare. Medium broad, rather oblong,

shining green with yellow blotches and midrib. 25c, 35c and 50c.

Johannis. Long, narrow leaves; green, ribbed and margined yellow. 15c, 25c, 35c and 50c.

Maculatum-Katoni. Broad, three-lobed leaves, green with circular yellow spots. 25c, 35c and 50c.

Majesticum. Leaves narrow and long, mottled green and yellow, shaded crimson. 50c.

Makoyanum. Broad-leaved, with chocolate and carmine markings. 50c.

Maximum. Large, broad leaves, cream colored and green. 50c.

Morti. Broad, long leaves, green and yellow. 25c and 50c.

Nobile. Broad-leaved, green and yellow. 25c and 35c.

Picturatum. Narrow, long leaves, green, carmine, yellow, orange, etc. Very rich colored. 15c to 50c.

Queen Victoria. Broad leaves, beautifully colored green, yellow, magenta and crimson. 15c, 25c and 50c.



Foliage of Several Types of Crotons.



Regina. Broad, short leaves; crimson, brown, green and yellow. 50c and 75c.

Spirale. Leaves long, narrow, twisted, striped and marked with yellow, changing to crimson. 50c.

Stewartii. Broad leaves, yellow, green and red. 50c.

Tortilis. A curiously twisted and curled-leaved sort, marked red and green, with a touch of yellow. 50c.

Veitchii. Broad-leaved, green, pink and crimson. 25c, 35c and 50c.

COLEUS. The unequalled bedding foliage plant. Also useful for window and porch boxes, etc. A good variety of colors and kinds. Fine plants 10c, 85c per doz., \$5.00 per 100; large plants 15c, \$1.50 per doz.

COSTUS speciosus. A curious **Spiral Flag**, with orange-colored flower heads. Makes a good scrubbery plant in open ground here. 50c.

CRETON. See *Codiaeum*.

DIEFFENBACHIA nobilis. A fine evergreen resembling a dwarfed *Musa*, with broad leaves profusely blotched with creamy white. Needs heat and moisture. 15c and 25c.

DRACAENA fragrans. A large green-leaved plant somewhat resembling Maize, but much heavier and more fully furnished with beautiful foliage. A tough plant for the decorator. 50c.

D. hookeriana. A rare new South African species with massive broad leaves, green. \$1.00.

D. indivisa. The famed **Dragon Tree.** A very handsome plant in all sizes whether 1 or 15 feet in height. The leaves are very long and narrow, and the plant has a trunk 3 to 10 inches thick in age. This is hardy in California and South Florida and useful in landscape gardening. Strong plants of decorative value 50c to \$2.00.

DRACONTIUM asperum. A rare aroid, with a single per-tuse leaf. 35c.

ERANTHEMUM albo-marginatum. (Formerly listed as *Jacobinia* sp.) A pretty, variegated leaved plant, foliage green, gray and white. 15c and 25c.

FIGUS altissima. This is catalogued by a few prominent European firms as *F. Chauvierii*. A magnificent new rubber plant of our introduction from India. Large roundish-oblong leaves, with prominent veins. A fine specimen plant in all sizes. Beautiful plants 1 ft. high, 40c; 2 ft. 75c; 3 ft. or taller \$1.00.

F. elastica. See also Dept. III. Fine plants 40c to 75c.

F. elastica variegata. This is a rare variegated plant of great beauty. \$2.50.

F. pandurata. The "**Majestic Rubber Tree.**" A new species with enormous banjo-shaped leaves, of a rich green color; veins of creamy-white. A very fine house plant. Strong stock, \$1.00 to \$3.00.

F. parcelli. A thin-leaved shrubby tree with finely variegated leaves; fruit (which does not mature usually) also variegated. 50c.

FITTONIA argyroneura. A trailing plant with broad leaves, showing a network of white veins. 15c.

GREVILLEA robusta. See Dept. XV

GYNURA aurantiaca. "**Velvet Plant.**" The stem and leaves are covered with glistening purple hairs—highly colored. 10c and 15c.

HELICONIA bihai. Wild **Piantain** or **Balisier**, of Central America. A fine plant, growing to a height of 10 to 15 ft., resembling a *Musa*. Green foliage, purplish stems, yellow flower spikes. 50c.

H. lehmanni variegata. A stocky, broad-leaved plant somewhat resembling a miniature banana, with leaves striped with creamy yellow, and having yellow stems. 50c to \$2.00.

HEMIGRAPHIS colorata. A purple-leaved plant of trailing habit. Fine for baskets or as a cover plant, but needs heat. 15c, \$1.50 doz.

MARANTA arundinacea variegata. Commonly catalogued as **Phrynium variegatum.** A plant with canna-like foliage growing up to a height of 3 feet, beautifully variegated with white. Tubers in winter, or pot-plants in summer, at 20c, \$2.00 per doz.

Maranta. Several unnamed hot-house species, dwarf forms with bronze foliage, etc. 35c.

NEPHTHITIS liberica. A quickly growing climber, with fleshy stems, like *Philodendron* in habit, having trilobed leaves. 20c, \$2.00 per doz.

N. triphylla. Resembling the preceding, but having leaves variegated with white. Fine, 25c, \$2.50 per doz.

OPHIOPOGON japonicus variegatus. A dwarf plant with perennial leaves 6 to 12 inches long, very narrow and striped white and green. Flowers purple. 50c.

PANAX aureum. This and following species allied to *Aralia*, which they closely resemble. A fine foliage plant growing up to several feet high, but useful when small. Compound leaves highly colored with yellow. 25c to 50c.

P. excelsum. Foliage very finely cut. Makes a fine, bushy plant of elegant appearance. 25c to 50c.

P. plumatum. This has fern-like leaves and is of quicker growth than most others. The foliage is grayish-green, with suggestions of white in it. 25c to 50c.

P. species. A new, green-leaved sort, with very pretty serrated foliage of distinct character and good habit. 25c to 50c.

P. victoriae. This has more white in the foliage than most variegated plants, and is a splendid decorative plant in every size. 25c and 50c.

PANDANUS baptistii. This "**Screw Pine**" is beautifully variegated with creamy yellow—in other respects it resembles *P. Veitchii*. \$1.00.

P. utilis. The well known **Screw Pine.** Resembles a pineapple plant when small, having leaves with small red spines along the edges. A very symmetrical and handsome plant suitable for vases, etc. Beautiful plants in several sizes. 5 or 6 inches high, 10c, \$1.00 per doz.; 10 to 12



Ravenala madagascariensis. (See p. 39)



Oneco, Florida



inches high at 25c; 12 to 18 inches high 50c; 18 to 24 inches high 75c; larger \$1.00 to \$3.00.

P. veitchii. Leaves beautifully striped with white. A magnificent plant. Fine plants of decorative sizes. 50c to \$2.00.

Plants without variegation of this species, or with but a faint suggestion of it, may be had at 50c to \$1.50.

PELLIONIA daveauana. A creeping plant adapted for covering plant tubs, or for hanging baskets. Leaves variegated purplish-bronze and a silvery green. 10c, \$1.00 per doz.

PHILODENDRON sp. Cuba. A climbing aroid with handsome cut leaves about 12 to 18 inches in size. A very striking decorative subject. \$1.00.

PHYLLANTHUS nivosus var. roseo-pictus. (Breytia.) **Snow Bush.** Shrub with loose, rather wiry branches, somewhat zig-zag. Leaves compound, mottled with white and pink. A splendid plant for low hedges, borders, etc., or as a single specimen. 15c, \$1.50 per doz. Larger 25c.

P. nivosus purpureus. Leaves greenish and purple. A pleasing change from the former. 35c.

P. speciosus. Resembles a narrow-leaved Aralia, but is of quicker growth. A fine plant, 50c.

POINSETTIA pulcherrima. The **Poinsettia.** Now well known and generally grown by florists for decorating from November till March. The great scarlet bracts from 6 to 12 inches across remain vivid for many weeks. A great plant for warm countries. (The plants we offer are simply nursery stock, and not florist's stock in bloom.) 10c, \$1.00 per doz.; \$7.00 per 100. Heavier stock 20c, \$2.00 per doz., \$15.00 per 100.

Double Flowered Poinsettia. This is far superior in some ways to the old type. Bracts, however, do not develop so early in the autumn, but hold very much later. Strong plants 25c, \$2.50 per doz.

White Poinsettia. A new and charming addition to the genus, a great novelty as yet. Strong plants, \$1.50.

POTHOS aurea. A clinging aroid plant with heart shaped leaves, 6 to 8 inches across, green and golden yellow. Fine! Strong plants 15c and 25c.

RAVENALA madagascariensis. The famed **Travelers' Tree** of Madagascar. Has a trunk like a palm, with enormous heavy smooth leaves, two-ranked, something like banana leaves. Very beautiful and interesting. Small stock, 50c, \$5.00 per doz.

RIVINA humilis. **Blood Berry.** A beautiful native plant, much branched, and bearing profuse-

ly, bright scarlet berries of small size. 15c and 25c for plants of bearing size.

SANSEVIERA. See Dept. III.

STRELITZIA augusta. Nice plants, \$1.00.

TALINUM patens variegatum. A fine bedder with almost pure white foliage and interesting little pink and yellow flowers. Grows a foot or more high. 15c, \$1.50 per doz.

ZEBRINA pendula. The **Wandering Jew.** A creeping plant, fine for baskets or for covering large surfaces. Foliage green and purple. 5c. Sufficient for small basket, 10c.

ZINGIBEE d'arcy. A lovely foliage plant: leaves green, edged with white, often with pink. Flowers in a deep red ball-like scape about 2 ft. high, and very effective. Grows in part shade. \$1.00.

Tampa, Fla., March, 1913.—“Our goods came all right, and in such shape that it was a pleasure. The whole deal was eminently satisfactory, and I want to congratulate you on the way you pack your nursery stock for shipment. Will say that goods ordered from other nurserymen have not been at all satisfactory; there have been mistakes in both shipments.” EDGAR A. WRIGHT,
Editor “Florida Grower.”

Cincinnati, Ohio, May, 1913.—“My guava plant arrived safe and sound. You certainly have the art of packing down fine.” A. W. BLESCH.



Group of Aralias and Fanax. (See pp. 36 and 38.)

Collection D. Five choice foliage plants, our selection, all labeled, sent postpaid for 50c.

Collection DI. Ten choice foliage plants, our selection, all labeled, sent postpaid, for \$1.00.

See index for plants you are hunting for, at the back of this book.

Tropical Flowering Plants and Shrubs

Suitable for the greenhouse, living room, warm offices, the tropics, Gulf and warm coast regions of the United States from South Carolina around to upper California, with slight protection in the coldest parts. Protect from freezing by banking stems liberally with soil at signs of first hard frost. The tops will be lost, but shoots will come again in the spring.

Nearly all plants in this section are pot-grown, and may be transplanted at any time of year.

Subjects that will flower in winter or early spring: *Acalypha*, *Bauhinia alba*, *B. purpurea*, *B. triandra*, *Begonias*, *Caesalpinia pulcherrima*, *Calpurnea*, *Cestrum*, *Clerodendron falax*, *C. kaempferi*, *Cuphea*, *Dombeyas*, *Eranthemum*, *Hibiscus*, *Ixora*, *Jacobinia*, *Jasminum*, *Mackaya*, *Murraya*, *Plumbago*, *Strobilanthes*, *Tabernaemontana*, *Thevetia*, *Thunbergia*, *Kraussia*, *Lantana*, *Tecoma*.

ACALYPHA sanderi, Chenille Plant. Broad green foliage, with bright red flower spike like a cat-tail up to 2 ft. long, from axil of every leaf. The plant grows up to 10 ft. high, but blooms when very small, and forms a strikingly brilliant picture. 25c, \$2.50 per doz.; extra large flowering specimens 35c and 50c.

**ACHANIA mal-
vaviscus.** A shrubby plant, but blooming when small. Foliage green, broad and attractive. Flowers bright scarlet, freely produced. 15c.

ALPINIA nutans. Shell-Flower. A lily-like plant growing 4 to 6 ft. high, with gorgeous orange, yellow and white flowers. 35c.

ARTOBOTRYS odoratissimus. The **False Ylang-Ylang**, or **Cinnamon Jasmine.** A choice flowering shrub, semi-climbing in habit, with broad, glossy leaves, bearing yellow flowers delightfully scented with the fragrance of ripe bananas and pineapples. The fruit is also highly fragrant but inedible. Fine plants 25c and 50c.

BAPHIA racemosa. An erect shrub,

with leathery leaves and large racemes of white, pea-like flowers, the standard petal marked with purple veins. 50c.

BAUHINIA. Mountain Ebony. An extensive genus of tropical plants, creepers, shrubs and trees. These we offer, however, are all desirable subjects for planting in warm regions for their beautiful flowers and interesting evergreen foliage.

B. acuminata. A shrub only, blooming when not over 2 ft. high. Foliage attractive, flowers pure white. 2 to 3 inches across, in loose bunches. A fine thing. 35c.

B. alba. A tall shrub, or small tree, blooming in early spring. Large pure white flowers 3 to 4 inches across in profusion. 35c.

B. furfuracea. A new, thorny shrub with cream colored flowers in summer. 50c.

B. kappleri. "Flamboyant Blanco" of Porto Rico. This has splendid white and purple flowers, and attains size of a small tree with age. 50c.

B. picta. A rare species, with small foliage. \$1.00.

B. purpurea. One of the most showy flowering shrubs or small trees we ever saw. The flowers, which come freely in early spring, continue opening for weeks, and are about 3 inches across, resembling a costly orchid in color and shape. The color at a distance is deeply lavender, but an examination will reveal tones of mauve and purple, with a touch



Bauhinia purpurea, One of Our Very Successful Introductions.



Oneco, Florida



of white; scented. It is magnificent. 25c, \$2.50 per doz.

B. tomentosa. The **St. Thomas Tree.** A fine small tree with charming yellow flowers. 35c.

B. triandra. This was formerly listed as *B. variegata*. A very fine species resembling *purpurea*, but flowering in autumn. Flowers pink and very attractive and fragrant. The large two-lobed leaves are very peculiar, closing at night. 1 yr. 15c, \$1.50 per doz.; 2 yr. 25c, \$2.50 per doz.; 3 yr. old 35c.

BEGONIA macrophylla. A giant green-leaved species from Cuba. The white flowers are borne on stout stems above the foliage. 4 to 6 ft. high 25c.

Flowering Begonias. Several sorts, unnamed, at 10c, 15c and 25c.

BOHEA amherstiana. Canary Island shrub. 50c and \$1.00.

BRUNFELSIA americana. A West Indian shrub, 4 to 6 ft. high, with broad, evergreen leaves and very fragrant yellow flowers which turn white in aging. 35c.

CAESALPINIA bonduc. The **Nicker Bean Plant** of the West Indies and South Florida Sea Coast. A prickly scandent shrub. 25c.

C. nagu. from Luzon, P. I. "A very attractive and sweet-scented-flowered candent shrub." New and rare. 50c, \$5.00 per doz.

C. pulcherrima. **Dwarf Poinciana,** or **Barbados Flower Fence.** A superb shrub with elegant pinnate foliage, surmounted during the greater portion of the year by great terminal clusters of the most gorgeous red and yellow flowers. A very showy plant suitable for conservatories, for bedding out in summer at the North and for permanent shrubberies in Florida and the Tropics. Nice young stock at 15c, \$1.50 per

doz.; larger at 25c, \$2.50 per doz.

CALPURNIA lasiogynae. A fine shrub with compound leaves; flowers something like the pea, in large drooping spikes of the richest yellow. 25c.

CATESBAEA spinosa. A slow-growing evergreen shrub, with very small leaves especially useful for hedging purposes. Flowers trumpet shaped; fruit yellow and edible. 25c, \$2.50 per doz.

CESTRUM diurnum. The "**Day Jessamine.**" A quick-growing large shrub, producing quantities of small, white flowers at intervals through the

year, valuable for cut flower work. 25c.

C. elegans. Flowers rose-pink and carmine. Very choice. 25c.

C. nocturnum. **Night Blooming Jessamine.** Small, greenish-yellow flowers produced at intervals through the year in prodigious numbers, overpoweringly fragrant 15c, \$1.50 per doz.; larger 25c.

CLERODENDRON falax. A fine shrubby plant with broad evergreen leaves and terminal clusters of very attractive scarlet flowers. 35c.

C. foetidum. A small shrub, with opposite, coarsely toothed leaves, and lilac-purple flowers borne in dense capitate corymbs. From China. 25c.

C. squamatum. A rapid growing plant with broad green leaves and terminal clusters of bright red flowers freely produced. Fine plants 15c, \$1.50 per doz.

C. siphonanthus. "**Turk's Turban.**" A plant growing about 6 ft. high from underground runners; foliage dark-green; flowers in terminal racemes on the branchless plants followed by dark blue-green fruits, the weight of which pulls the tips over gracefully; fruit is set off with red



Dwarf Poinciana



Royal Palm Nurseries



stems and foliage. 25c, \$2.50 per doz.

CORDIA nitida. A large shrub or small tree, from Porto Rico. The flowers are greenish-white and berries cherry red. Foliage evergreen. 25c, \$2.50 per doz.

C. sebestena. Sebesten Plum, or Geiger Tree. A very beautiful shrub or small tree, with large, rough leaves, and immense flaming trusses of flowers. Blooms at 3 yrs. of age. 1 to 2 ft. 25c; 2 to 4 ft. 35c.

CROSSANDRA undulaefolia. A salmon-yellow flowered shrubby plant; splendid new introduction. 35c.

CRYPTOSTEGIA grandiflora. A scandent shrub with violet or purple flowers 2 inches across. 50c.

CUPHEA micropetala. A shrubby plant from 3 to 4 ft. high; narrow, small leaves; small, tubular flowers, continually borne, scarlet and yellow in color. Quite showy. 25c, \$2.50 per doz.

DOMBEYA spectabilis. A tall shrub with straw colored and pink flowers. Rare and new. 50c.

D. wallichii. Very beautiful pink flowers in an enormous head, closely set. Foliage large and velvety. New. 75c.

DURANTA plumieri. Golden Dewdrop. Delicate lilac flowers in racemes followed by closely set yellow berries which hang on for a long time, and are very ornamental. Bushy, 2 yr. 25c, \$2.50 per doz.

ERANTHEMUM pulchellum. Grows about 4 ft. high; dark blue flowers in spikes; produced in winter. 15c, \$1.50 per doz.; larger 25c, \$2.50 per doz.

ERYTHRINA poeppigiana. New introduction. 50c.

E. species. One of the "Coral Trees." 50c. See Department III for another species.

GARDENIA thunbergia. A very dense shrub growing up to 8 ft. Rather small, pointed leaves; flowers single, pure white, about 4 inches across. 50c.

GLYCOSMIS pentaphylla. A near relative of the orange, with broad evergreen leaves of a glossy green; berries freely borne several times a year are about half an inch across, salmon-pink in color and are sometimes eaten and preserved. 20c, \$2.00 per doz.; 3 yr. 50c; 4 yr., bearing size, 75c.

HAMELIA patens. A native evergreen shrub with foliage of a bronzy green, which at times turns a rich reddish color. The numerous terminal heads of flowers are of an orange-red color, followed by black berries which hang on almost indefinitely. 25c.

HERPETICA alata. The *Talanta* of Porto Rico. A shrub of 4 to 8 feet high, with pinnate foliage and spikes of glorious yellow flowers. Will bloom freely the first year. 35c, \$3.50 per doz.

HIBISCUS rosa-sinensis. Chinese Hibiscus. Very valuable shrubs for warm regions, and especially so for South Florida, as well as for conservatories. The plant is of quick growth with shining green leaves (evergreen) and most gorgeous large flowers blooming all the year around. In Florida we find them very satisfactory shrubs even where the tops are cut back by cold weather, as the strong shoots which come from the roots in spring are soon covered with flowers. They are all easily grown, floriferous and cheap. The single flowers are 4 or 6 inches across; the double about 4 inches. We are pleased to offer this year a set of grand new varieties, of unusual merit. Nothing new in this line has been offered

for years, and all who have seen these plants in flower were delighted at the exquisite coloring. See varieties named after the Muses, below.

Clio. An unusually small flower, not over 3/8 inches across, rich pink, with faint whitish nerves above, and crimson margins shading very prominently into white beneath. Flower single. 35c.

Euterpe. (This variety introduced by us several years ago, but not named, and sold as "Single Salmon.") A large single flower, the broad petals yellow with small reddish veins, shading through a delicate violet into the intense red center. Yellow beneath with prominent veins, shading into white towards the calyx. Leaves delicately veined and rather small. General effect of flower is salmon; profuse bloomer. Strong stock 15c, \$1.50 per doz.; larger 25c, \$2.50 per doz.

Melpomene. Large single flower, beautiful satiny pink, with darker pink nerves and deep crimson center. Petals colored half pale-yellow and half pale-pink on under side where the prominent nerves give it a crepe-like appearance. Our most beautiful new variety. \$1.00.

Terpsichore. Medium-sized single flower, with crepe-like light-pink petals and numerous darker pink nerves with deep pink margins to the deep red centers; lighter beneath, stem brownish. 50c.

Urania. Large single flower, petals light salmon, with faint pink nerves, and lovely light-pink center. Lighter beneath and nerves prominent. Has a crepe-like effect. 50c.

A set of above five sorts will be sent for \$2.00.

Double Pink. A very rich carmine pink flower of fine appearance, resembling a fine Paony. This is one of our choicest sorts. Strong plants 15c, \$1.50 per doz.; larger 25c, \$2.50 per doz.

Double Scarlet. A very deep scarlet-colored flower of most attractive appearance. The plant is not so rapid in growth as the single-flowered varieties, but is free blooming. 15c and 25c.

Peachblow. A very beautiful double flower of a pale pink color, with dark center. 15c and 25c.

Schizopetalus. A small single flower with peculiarly cut and twisted petals, pinkish-red in general color. Flowers droop over gracefully. 25c.

Single Pink. Flowers pale pink of usual size, 4 to 5 inches across. 15c.

Single Scarlet. The most gorgeous sort we grow, with flaming flowers at all seasons. Strong stock 15c, \$1.50 per doz.; larger 25c, \$2.50 per doz.

Versicolor. Single light carmine-scarlet, shaded straw color and deep red in center. Strong stock 15c, \$1.50 per doz.; larger 25c, \$2.50 per doz.

IKORA amboina. "Flame of the Woods." Dwarf shrub with broad evergreen leaves and showy orange-yellow flowers, which last a long time. 50c.

I. parviflora. Flowers small and white in crowded heads. 50c.

I. rhusifolia. Flowers orange-red of a pleasing shade. 50c.

JACOBINIA coccinea. Grows 4 feet high. A fine bedder, or a large shrubby specimen when grown singly, with deep scarlet flowers in spikes, blooming constantly. 10c, \$1.00 per doz.; larger 15c, \$1.50 per doz.

JASMINUM. "Grand Duke." A very double-flowered Jessamine; the blooms are frequently 2 1/2 inches wide and intensely fragrant. Foliage is dark-green and shining. 25c.

J. "Maid of Orleans." Semi-double flowers, 1 1/4 to 2 inches wide, very fragrant and constantly in flower. Fine. 25c.



Oneco, Florida



KRAUSSIA floribunda. A new shrub from Natal, evergreen; the flowers are of peculiar structure, funnel-shaped, and attractive. 50c.

LANTANA. A genus of very gorgeous shrubby plants, all of which grow to perfection in Florida, on almost any kind of soil. If frozen back they come up from the roots better than ever, and are soon in flower.

Pink-and-Yellow. 10c, \$1.00 per doz.

Orange-and-Lemon. 10c, \$1.00 per doz.

Purple Trailing. This sort is adapted to window boxes, vases, or sloping banks. 10c, \$1.00 per doz.

LASIANDBA macrantha. (*Pleroma splendens*.) A magnificent shrub with leaves like velvet, and flowers of most gorgeous royal purple, 2½ inches across. 35c, \$3.50 per doz.

MABA natalensis. A broad leaved shrub of dense habit, from South Africa. Evergreen. Produces quantities of shining black berries in large bunches, which are persistent. 50c.

MACKAYA bella. A fine shrubby plant of easy growth here, flowering in spring. Flowers in racemes, pale lilac, about 2 inches long. 35c.

MEYENIA. See *Thunbergia*.

MUEHLENBECKIA platyclada. A remarkable straggling shrub from Solomon Islands, with flat branches, and stems for leaves. 35c.

MURRAYA exotica. "Orange Jessamine." A grand shrub; leaves compound; flowers resembling orange blossoms, coming several times a year. Very useful to the florist and for hedges. 10c, \$1.00 per doz. Larger 15c, \$1.50 per doz.

OXYANTHUS natalensis. Related to *Gardenia*; with large, glossy leaves and elegant flowers in racemes. 50c.

PITOSPORUM viridiflorum. Flowers greenish-yellow, jessamine scented. 25c.

PLUMBAGO capensis. Flowers sky-blue, constantly in bloom. Charming old plant. 25c.

PLUMIERA tricolor. Flowers with yellow throat, white above the yellow part and red around margins of segments, blooming in summer and autumn. \$1.00.

PSYCHOTRIA capensis. Evergreen shrub (or small tree) with oblong-oval glossy leaves 3 to 5 inches long by 1½ to 2 inches wide, and small yellow tubular flowers. 50c.

BENEALMIA species Porto Rico. Related to *Alpinia*. Flowers yellowish in scarlet bracts which remain indefinitely. 25c, \$2.50 per doz.

STROBILANTHES anisophyllus. A small bush with narrow leaves producing countless light-blue

flowers in very early spring. A fine pot plant also. 15c, 25c and 35c.

S. isophyllus. Not so bushy as the preceding, but bearing constantly, single purplish-blue flowers, about 1¼ inches across. 10c, 85c doz.; large 15c, \$1.50 per doz.

TABERNAEMONTANA coronaria, fl. pl. Crape Jessamine, or Rose Bay. Large pure white, scented, double flowers produced at intervals. Leaves glossy, broad, evergreen. Makes a fine ornamental hedge, not defensive. Nice plants 15c, \$1.50 per doz.; larger of a flowering size, 25c, \$2.50 per doz.; a few larger at 35c.

T. "grandifolia." A heavier plant than the preceding, equally fine, at same prices. 15c, 25c and 35c.

T. species Cashmere. A beautiful shrub, flowering constantly. The blooms are single white, with a yellow dot in the centers, about two inches across, not scented. 15c, 25c and 35c.

TECOMA stans. Yellow Elder. A glorious shrub, or small tree, with compound leaves and great terminal trusses of golden yellow sweet-scented, tubular flowers, produced in autumn. Delights in deep, yellow, well drained soil. 15c, \$1.50 per doz.

T. stans. var. sambucifolia. A splendid variety of the type with distinct foliage, and a habit of blooming at almost any time of year. This is especially valuable for the lawns of our winter residents, as it flowers freely in early spring as well as at other times. 15c, \$1.50 per doz.

THEVETIA nerifolia. Trumpet Flower. Flowers bell-shaped, yellow or salmon, about two inches across. Foliage long and very narrow. A fine large shrub. The seeds are known by sailors as "lucky seeds," and the fruit as "Tiger apples." This will stand some frost. Fine plants 25c.

THUNBERGIA erecta. (*Mevenia*.) Gloxinia-like flowers of the brightest blue, 2 inches across, flowering almost constantly. Very fine. Large plants 15c and 25c.

T. erecta alba. Flowers white with yellow throat. 25c.

TODDALLIA lanceolata. An erect shrub of 5 to 8 feet, from Mauritius, with trifoliate leaves. White flowers in large panicles in May. 50c, \$5.00 per doz.

TRIPHASIA monophylla. From Timor. Berries black, and leaves simple; the flowers inconspicuous. A dwarf shrub, related to the orange tribe, of considerable interest; standing some frost, and makes a fine low hedge. 2 yr. 15c, \$1.50 per doz.; larger 25c, \$2.50 per doz.

Collection TS. Five plants from this section, our choice. sent postpaid, for 50c.

Collection TSI. Ten plants. our choice, some rare species, sent postpaid, for \$1.00.

TESTIMONIALS.

Harrisonburg, Va., May, 1913.—"My second lot of plants (for this season) arrived yesterday, and as usual, everything was in perfect condition. Thank you very much for the valued 'extras.' Every plant of the first order seems to have taken kindly to its new environment; all look well, and some are putting out new growth."

E. G. NIESS-WANER.

Chicago, April 1913.—"Received plants in fine shape, and am very much pleased. I certainly was pleased with my plants and the courtesy I received for such a small order."

MRS. KATE E. HAYFORD.

Darlington, S. C. April, 1913.—"I have never before received such handsome ferns for so small a sum. Thank you for prompt shipment and splendid plants."

MRS. H. L. HARLLEE.

Midville, Ga., April, 1913.—"My plants came safely through and I am perfectly delighted with them. Many thanks for the large over-amount you sent."

MRS. E. B. LAMB.

Sewanee Tenn. Feb. 1913.—"The collection we got from you three years ago are doing so well, everyone falls in love with them. Enclosed find order," etc.

BEN COULSON.



Hardy and Half-Hardy Flowering Plants and Shrubs



Such as will stand the winters of the lower South without injury, or, if damaged by freezes, will come up again in the spring vigorously.

Those marked P. are pot-grown and may be transplanted at any time; the others should only be set in cool weather—say from November till March.

Subjects that will flower in winter or very early spring; *Acacia farnesiana*, *Aralia*, *Azalea*, *Camellia*, *Deutzia*, *Jasminum*, *Michelia*, *Osmanthus*, *Paotinia*, *Pittosporum*, *Prunus*, *Punica*, *Roses*, *Saururus*, *Spiraea*.

ABELIA grandiflora. A very satisfactory evergreen shrub with long willow growth. Foliage turns a pretty metallic bronze in winter. Flowers tubular, white with pink base, delicately scented, freely produced in clusters from April to November. Fine plants 35c and 50c.

ACACIA farnesiana. P. The well-known Popinac of South Florida coast. A thorny shrub or small tree, with delicate pinnate leaves and balls of yellow flowers exceedingly fragrant. Very graceful in outline and does well near salt water. 15c, \$1.50 per doz. 2 yr. 25c, \$2.50 per doz.

ARALIA papyrifera. P. Rice Paper Plant of China. The large leaves are palmate, silvery on under side and exceedingly handsome. The plant grows upright like a palm, seldom branching, to a height of 8 or 12 feet, and in autumn throws out long feathery spikes of bloom several feet in length. The flowers are white and small, but borne in myriads, and create a beautiful show. The tops stand some frost, but the roots are hardy well up into the Carolinas, and send up fine growths every spring if cut back by frost. 25c, \$2.50 per doz.

AZALEA indica. P. The well known Indian or Chinese Azalea, grown so largely for Easter decorations. The single varieties do well in Florida when planted in a springy, moist place, using peat, muck or leaf mould mixed in the soil. Never allow Azaleas to dry out at the roots. We have both single and double flowered sorts; nice clean stock a foot high, at 65c, \$6.50 per doz.; larger specimens, trained in globular form



Spiraea Van Houttei. (See Page 49.)

about 12 to 14 inches across which will be mass of bloom in spring at \$1.00. Colors range from white and pale purple, through pink, to a good carmine red.

BUXUS sempervirens. P. Dwarf Tree Box. Used for edging or dwarf hedges. Nice plants 15c, \$1.50 per doz., \$10.00 per 100. Stronger 25c, \$2.50 per doz.

CALLICARPA americana, "French Mulberry." A native shrub, with deciduous leaves, and dense clusters of purple berries which hang persistently for months. 25c, \$2.50 per doz.

CALYCANTHUS floridus. Sweet Shrub. Deciduous. 2 yr. 15c, \$1.50 doz.

CAMELLIA japonica. P. The magnificent *Camellia* (or commonly called "*Japonica*"), so well known over the South. Flowers in winter and early spring. Fine, imported, bushy

plants, very strong, 15 to 20 inches high; double white and a variety of colored sorts, \$1.00 to \$1.50. Smaller stock 12 to 15 inches high, 65c, \$6.50 per doz.

CITRUS trifoliata. This hardy member of the orange tribe is well worth growing as far North as the Great Lakes for its wealth of flowers, and green twigs in winter. 1 to 2 ft. 10c, \$1.00 per doz.; 2 to 4 ft. 20c, \$2.00 per doz.; 4 to 6 ft. 35c, \$3.00 per doz.

CLEYERA japonica. P. A smooth-leaved evergreen shrub of medium size. Flowers creamy-white, very fragrant. 50c.

DAUBENTONIA punicea. A leguminous shrub allied to *Caesalpinia*, of very quick growth. Leaves compound, deciduous; flowers orange-scarlet, freely borne during most of the warm weather. 15c, \$1.50 per doz.



Oneco, Florida



DEUTZIA crenata. A fine spring flowering, deciduous shrub, double pink in color. Fine. 1 to 2 ft. 15c, \$1.50 per doz.; 2 to 4 ft. 25c, \$2.50 per doz.; 4 to 6 ft. 35c.

ELAEAGNUS in variety. Very desirable shrubs. See Dept. II.

E. aurea maculata. P. Golden leaved Oleaster. Broad-leaved shrub; foliage beautifully blotched golden yellow. Fruit ripening in early spring is like cranberries and quite desirable. Strong stock 50c, \$5.00 per doz.

GARDENIA florida. P. The Cape Jessamine. A splendid broad-leaved evergreen shrub, with very chaste, snowy-white flowers, which are exceedingly fragrant. 15c and 35c.

HIBISCUS syriacus. The **Althaea**, or **Rose of Sharon.** A hardy deciduous shrub, with handsome flowers in many shades of color, coming in late summer and autumn freely. The following choicest varieties are strong grafted stock: 2 yr. roots, 25c, \$2.50 per doz.

Eubra plena. Double red.

Amplissima. Double light pink.

Jeanne d'Arc. Double White.

Violacea semi-plena. Double Rose Purple.

Totus-albus. Single white.

Mixed Single Flowered. Fine thrifty stock 15c, \$1.50 per doz.; larger 25c, \$2.50 per doz.

HYDRANGEA otaksa. P. Flowers in very large,

round heads, pink or blue, according to soil! 25c; large bushy plants, \$1.00 and \$1.50.

H. Red Branched. P. Flowers much like preceding, and variable, usually blue in our sandy soil. Stems a dull, dark red. 25c.

H. Jeanne d'Arc. P. A pure white-flowered sort, like the old variety Thomas Hogg. 25c and 35c.

ILLICIAM anisatum. P. East Indian Anise. A handsome broad-leaved evergreen with fragrant foliage (when bruised). Strong plants 50c, \$5.00 per doz.

JASMINUM beesianum. P. We take pleasure in offering for the first time in America this splendid novelty introduced from China by Bees Ltd., of England. A comparatively hardy shrub, of a scandent nature, something like *J. primulinum* in habit, of quick growth. The flowers are freely borne, fragrant, and are of a bright cherry red, the only red jasmine ever known. Strong plants \$1.00.

J. humile. P. A hardy, yellow flowering shrub of large size. Very valuable. The scented flowers in clusters come in early spring. 25c.

J. nudiflorum. Naked-flowered Jasmine. A hardy drooping shrub with dark green divided leaves. Flowers bright yellow, produced freely in winter. Hardy as far North as New York. Fine plants 15c, \$1.50 per doz.; larger 25c, \$2.50 per doz.

J. primulinum. P. A new species; foliage small and pretty; flowers yellow, as large as a half-dollar, opening flat, scented, blooming in long



Hedge of Cherokee Roses, With Neowashingtonias, etc., at the Back



Royal Palm Nurseries



Flower head of Crapemyrtle. (See Page 47.)



Oneco, Florida



sprays in winter, and keeping when cut, in water, indefinitely. An exceedingly valuable small shrub. 15c, \$1.50 per doz.; better at 25c, \$2.50 per doz.

LAGERSTROEMIA indica. Crape Myrtle. Too much cannot be said in praise of this beautiful deciduous Indian shrub. The masses of flowers are profusely borne from spring until autumn, on small as well as large plants. A splendid plant for bedding out in the North even, where it gives perfect satisfaction. Grand for hedges, single specimens or masses, in general Southern planting. We have it in three shades of color: **Carmine, light pink and purple.** 1 yr. old, 1 to 2 ft. high, 10c, \$1.00 per doz., \$6.00 per 100; 2 yr. 2 to 4 ft. high 20c, \$2.00 per doz.; \$12.00 per 100; 4 to 6 ft. 30c, \$3.00 per doz., \$20.00 per 100; 6 to 7 ft., 50c, \$5.00 per doz., \$35.00 per 100.

White Crape Myrtle. A very rare form of this splendid shrub. Strong stock at 35c and 50.

LEONOTIS leonurus. P. Lion's Tail. A quick-growing, shrubby plant with soft foliage and queer, heavy tufted spikes of orange-yellow flowers. 25c.

LIGUSTRUM lucidum. P. One of the hardy Japanese privets with large leaves, which are thick, and ovate-lanceolate in shape. 35c and 50c. for strong sizes.

L. amurense. Amoor River Privet. A white-flowered shrub, evergreen and hardy, used largely

for hedges. 1 yr. 10c, \$1.00 per doz.; \$6.50 per 100. Extra large 15c and 25c.

L. ovalifolium variegatum. P. This is variegated with yellow. A very fine evergreen suitable for large planting in many places. Large pot-grown stock 25c, \$2.50 per doz.; very large, 4 to 5 ft., bushy, 50c, \$5.00 per doz.

METROSIDEROS floribunda. P. The Bottle-brush shrub of Australia. A splendid, hardy shrub for South Florida, evergreen, with attractive, bright red flowers which last some time in perfection. Does well on high soils in our lake region without irrigation. Imported plants of large size, \$1.50.

M. lilacina. P. A pleasing variety of above; flowers tinged with lilac. Home grown plants about 1 ft. high, 75c.

MICHELIA fuscata. (Magnolia fuscata.) Banana Shrub. Fine, broad-leaved, hardy shrub. The brownish-yellow flowers are about 1 inch across, richly scented like ripe bananas, coming in spring. 35c and 50c. Specimens about 2 ft. high, bushy, \$1.25.

MYRTUS communis. P. The Sweet Myrtle of Southern Europe. The foliage is very fragrant. Flowers are white, about one inch across. A splendid shrub for Florida. 35c, \$3.50 per doz.

NERIUM Oleander. The famous Oleander. A splendid subject for tall hedges, masses, or single specimens in the Lower South, as well as for tubs at the North. Our collection is unequalled in the South. The following named sorts are the most hardy, standing much more freezing than the others: **Carneum; Frederick Guibert, Laurifolium, Pierre Roudier, Mme. Planchon, Double Cream, Dr. Golfin, Mons. Belaquier, Savort, Single White, Mme. Peyre, Debrun, Mrs. F. Roeding.** An exceptionally tender sort in Single Pink. Our plants this year are mostly small, very few large ones being left from last season's planting, but we have a good stock of them and can supply large lots for hedge purposes if desired. Prices, except where noted, 1 yr. (10 to 20 inches high, according to variety) 15c, \$1.50 per doz., \$10.00 per 100. A few specimens of Savort, Carneum, Frederick Guibert, and Single Cream, can be supplied at \$1.00, \$10.00 per doz., either bushy or tree-shaped.

Atropurpureum plenum. Double, purplish-crimson, with occasional narrow white stripes. The deepest red of any sort. 25c, \$2.50 per doz.

Carneum. Single; flesh with pink lines in throat; very floriferous.

Debrun. Double deep crimson, slightly lighter in color and larger in size than atropurpureum plenum. Very choice, 35c.

Dr. Golfin. Magnificent single flower; white inclining to pink, center streaked light crimson. New. 35c.

Frederick Guibert. Single flower; light pink with crimson throat.

Gilbert Brevay. A very fine small to medium flower of a pale pink, double. 25c, \$2.50 per doz.

Henry Mares. Double, light-pink, shaded carmine outside. Very fragrant and floriferous. New. 25c.

Lillian Henderson. Pure white, double, medium sized flowers.

Madonna grandiflora. Pure white, double, large sized, very fragrant. The best of the double whites.



The Variegated Oleander



Royal Palm Nurseries



Madame Chas. Baltet. Semi-double, bluish-pink, shaded carmine; not fragrant. New. 25c.

Madame Dubois. Single, pure white, faintly fragrant. A free bloomer. New. 25c.

Madame Peyre. Double, creamy yellow, with darker center usually of a pink tinge. 25c, \$2.50 per doz.

Madame Peuch. Semi-double, soft rose color. Fine. 25c.

Madame Planchon. "Semi-double, rosy-lilac." New. 35c.

Madame Sahut. Semi-double, rosy-carmine, striped white. 35c.

Monsieur Belaquier. Soft pink, single; large flower. 25c.

Notaire Cavaliere. Single red, not fragrant. New. 35c.

Professor Durand. Double, creamy yellow; small flower; not fragrant. 35c.

Savort. Double, small flower, pale pink; very fine. A strong upright grower; hardy and desirable.

Single Cream. Flowers rather small.

Single Pink. Shell-pink color; very large trusses; scented. A grand sort.

Single White. A most hardy sort, blooming very profusely. Fine. The old reliable common variety.

Souvenir de Felix Duval. Semi-double, soft rose-pink. 25c.

Splendens. The old-fashioned, double-pink variety. Splendid large flower, sweet scented.

Splendens variegatum. Flowers double pink; foliage white and green; very attractive. 35c.

OSMANTHUS fragrans. (*Olea fragrans*.) Sweet Olive. Broad leaved, hardy evergreen, with tiny flowers of exquisite perfume, coming in winter and spring. 50c and 75c.

PHOTINIA serrulata. A large shrub or small tree, evergreen, whose leaves turn red in winter. Flowers white in early spring. Large stock 75c, \$7.50 per doz.

PITTOSPORUM tobira. P. Well-known Japanese evergreen, with creamy flowers in March. Used largely in hedges, masses and clipped, trained specimens. 25c, \$2.50 per doz.

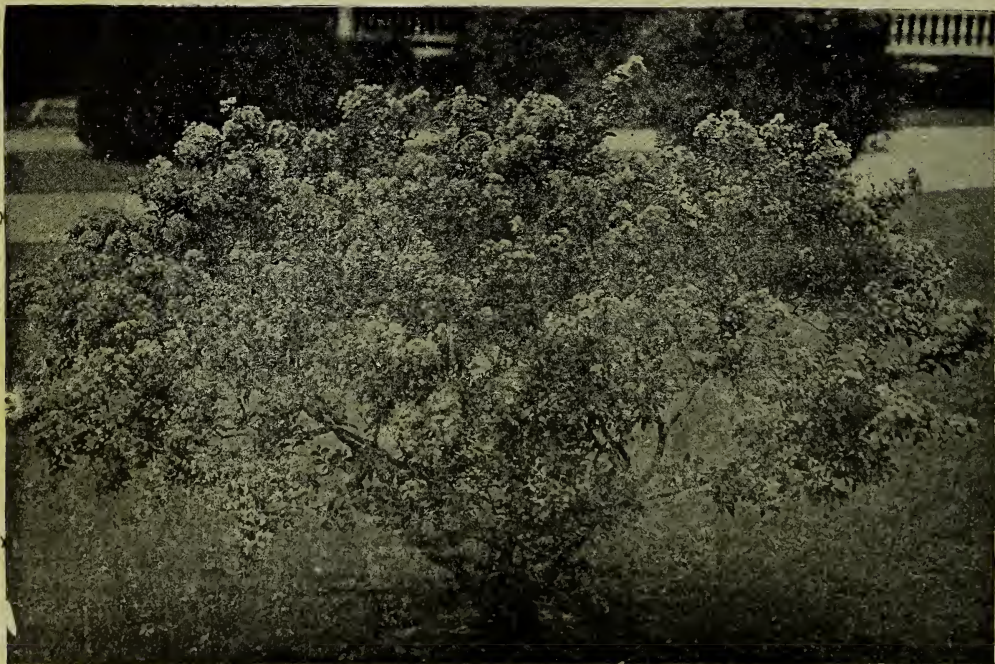
F. Tobira variegata. P. A rare form. 35c.

PRUNUS caroliniana. P. Carolina Laurel Cherry. A splendid broad-leaved evergreen with small fragrant white flowers and black fruit. Fine for hedges and general planting. 1 yr. 10c, 85c per doz., \$5.00 per 100; 2 yr. 10 to 12 inches high 15c, \$1.50 per doz.; 18 to 24 inches high, 25c, \$2.50 per doz.

PUNICA granatum. var. **Legrelli.** P. A dwarf Pomegranate, bearing showy double flowers of an orange-scarlet color. A fine tub plant. Strong plants. 50c.

RAPHIOLEPIS ovata. P. Broad-leaved, dwarf shrub with trusses of pink or white flowers. 25c and 35c.

RHODYMYRTUS tomentosus. P. A semi-hardy shrub of great value for South Florida, growing freely on almost any soil, especially wet flatwoods. Leaves broad and evergreen; flowers bright lilac rose about an inch and a half across, freely produced. The fruit is edible, but not especially valuable, being too sweet and seedy. 1 yr. plants 15c, \$1.50 per doz.



Specimen Crapemyrtle; a Fine Tub-Plant for the North (See Page 47.)



Oneco, Florida



THE ROSE is at home in the South, where we can produce flowers of all kinds nearly the year around. Here in Florida there is not a day in the year but some roses may be gathered, but **high culture** must be followed; fertilizer should be applied three to six times per year and the soil **kept moist for two feet deep constantly**. Enough pruning in the climbers and teas should be done to keep them free from old wood. Most of our plants are grafted or budded on Manetti stocks. Set roses deep and don't allow sprouts from the roots to choke out the weak growers. Transplant roses preferably in November, December or January—never in the hot, wet, summer season.

Climbing roses here listed need not necessarily be trained as climbers. By keeping in bush form with judicious pruning you will find them more floriferous and satisfactory than most "bush" roses. For other hardy climbing roses see Dept. XIII.

Price except where noted, of fine 2 yr. own root, or, grafted roses, 40c, \$4.00 per doz.

Agrippina, Bengal, Rich scarlet always in flower.

Anemone. The Pink Cherokee, one of our introductions from England a few years ago. Flowers a beautiful shade of light pink, with a satiny sheen. This is a vigorous climber.

Bessie Brown, Hyb. Tea. A very large, full flower, white, or tinted pink; petals large, shell-shaped.

Bon Silene, Tea. An old favorite. Deep carmine crimson buds; open flower pink.

Bougere, Tea. Very vigorous grower. Flowers clear pink, rather small, but splendid to cut, keeping well.

Bridesmaid, Tea. Very rich pink flower, especially fine for vases or for other cut flower work. A grand sort.

Cherokee. A very vigorous climber, useful for hedges, etc. Flowers freely produced in early spring, single pure white. Strong roots from layers 25c, \$2.50 per doz.; \$18.00 per 100.

Chromatella, or **Cloth of Gold**, Noisette. Deep yellow, large flowers.

Climbing Devoniensis, Tea. The ramous Magnolia Rose. Creamy-white, tinged bluish.

Duchess de Brabant, Tea. Shell-pink shaded carmine. A splendid, free-flowering, vigorous sort.

Isabella Sprunt, Tea. Creamy yellow, semi-double, with pointed buds.

Lamarque, Noisette. A vigorous climber, white, sulphur-yellow center. Fine.

Louis Philippe, Bengal. A good, thrifty rose. Crimson, with long stems.

Mme. Cecil Berthod, Tea. A grand deep yellow rose, beautiful in both bud and flower.

Mme. de Watteville, Tea. General color a creamy white, bordered a bright pink. Large, beautiful and fragrant.

Mme. Franciska Kruger, Tea. Pink, center suffused with pale yellow. Very double and free-flowering. Fine.

Mme. Lambard, Tea. Buds rich deep pink, the open flower changing to light shades. Very vigorous.

Macartney. A rampant climbing rose with small evergreen leaves; flowers large, single, pure white like the Cherokee. Makes an impenetrable hedge. 1 yr. 15c, \$1.50 per doz; \$10.00 per 100.

Maman Cochet, Tea. A very choice rose; style like Bridesmaid. Pink, with suffusion of yellow at base of petals.

Marechal Niel, Noisette. The great favorite in the South. Rich yellow.

Marie Van Houtte, Tea. Pale-yellow, tinged rose. Very vigorous. Flowers large, with pointed buds.

Minnie Frances, Tea. Might be called an improved Bon Silene. Very fine deep pink rose; vigorous; splendid rose for Florida.

Mrs. Robert E. Peary, Hyb. Tea. Very vigorous grower. Pure white, with long pointed buds.

President Cleveland, Climbing Tea. A splendid climber; flowers pure white; perfect form.

Ramona. The new Red Cherokee, a magnificent production of South California. This is a sport from Anemone, of the same type, but with splendid carmine-crimson flowers. This will be undoubtedly a splendid acquisition for Florida planting, as the parent stock is so well adapted to our sandy soils. 1 yr. plants 75c.

Reine Marie Henriette, Climbing Tea. An old favorite. Rich rose, center reddish-crimson, or cerise.

Reve d'Or, Noisette, Buff-yellow and saffron. Fine climber.

Safrano, Tea. Saffron and apricot-yellow; large, semi-double. Very beautiful, especially in bud.

Solfaterre, Noisette. Pale yellow flowers, freely produced. Plant is a strong climber like Marechal Niel.

White Maman Cochet, Tea. A pure white form of this splendid rose.

Winnie Davis, Tea. Color apricot-pink, shading to pale pink at base of petals. Buds well formed.

SAURURUS cernuus. A native plant growing on low wet land or in edge of swamps, having racemes of white sweet-scented flowers with drooping tips, in spring. Commonly called "Lizard's Tail." 15c, \$1.00 per doz.

SPIRAEA reevesii, fl. pl. **Bridal Wreath**. Well-known, hardy, deciduous shrub, flowering in the spring. 1 yr. 15c, \$1.50 per doz.; 2 yr. 25c, \$2.50 per doz.

S. salicifolia. A dense grower; small leaves on willow branches; flowers small and white. Fine for cemeteries. 2 yr. 20c, \$2.00 per doz. Very heavy 3 yr. 50c.

S. van houttei. Resembles Reevesii, but has prettier foliage. An exceedingly fine and graceful shrub which should be freely planted all over the U. S. Hardy and very free-flowering. 1 yr. 10c, \$1.00 per doz.; 2 yr. 25c, \$2.50 per doz.; 4 yr., heavy, 4 to 6 ft., very bushy, 35c, \$3.50 per doz.

MISCELLANEOUS TESTIMONIALS.

The Gardens, Matinicock Point, Glen Cove L. I. New York May, 1913.—"The plants were received in very good shape today, and were very satisfactory."
OTTO FEHRLIN.

Superintendent to Mr. J. P. Morgan.

Seabrook Texas Feb., 1913.—"Received the trees all o. k. and found them in nice order. I am well pleased with them."
L. J. STUBENRAUCH-

Illinois Masonic Home Sullivan, Ills. March, 1913.—"Stock received in o. k. shape. Fine specimens, and your way of packing is fine—thanks."
G. A. TRUSS.

XIII

Tropical and Sub-Tropical Vines and Creepers

Suitable for the greenhouse, living-room, warm offices, the tropics and the extreme lower South, where slight protection may be necessary. All need a wire or other support except *Ficus* and *Bignonia* a. v., which clings to any solid object.

Plants in this department are pot-grown and may be transplanted at any time of year.

ABRUS precatorius. Crab's Eye Vine, or Weather Plant. Delicate pinnate leaves; small flowers in bunches followed by beautiful scarlet and black beans which are highly decorative. 10c, \$1.00 per doz.

Cream-Colored Bean Variety. Something new and rare. 25c.

ALLAMANDA hendersonii. A splendid climbing shrub with most gorgeous golden flowers 4 to 6 inches across. 25c, \$2.50 per doz.

A. williamsii. Flowers smaller, sometimes slightly fragrant. 25c, \$2.50 per doz.

ANTIGONON leptopus. The Rosa de Montana of Mexico. A beautiful vine with heart-shaped leaves bearing great racemes of rose-pink flowers for most of the year in Florida. Roots tuberous. A great flower for bees. Fine plants 1 yr. 15c, \$1.50 per doz.

ARGYREIA capitata. A very robust vine of the morning-glory family (convolvulus), with great heart-shaped leaves and superb pink, or mauve, flowers freely borne. These last all the morning in perfection, or all day if cloudy. Perennial. 15c, \$1.50 per doz.

ARISTOLOCHIA elegans. A rather dwarf plant, fine for small screens, etc. Flowers purple, blotched and waved with creamy white. Sometimes called "Dutchman's Pipe Vine," 15c.

A. floribunda. Tall climber, very vigorous. Long pointed leaves and purplish-red flowers, with yellow centers. 15c, \$1.50 per doz.

A. odoratissima. New to us, but very promising. 15c, \$1.50 per doz.

BIGNONIA argyrea violescens. A very delicate-appearing creeper which permanently attaches itself to any support. Pointed, evergreen leaves, tinged and purple-veined when young. 25c, \$2.50 per doz.

B. buccinatoria. A very rare species from Mexico, partly hardy here, and of exceptionally strong growth. Evergreen. Flowers about 2½ inches across, or larger, a rich shade of blood red. \$1.00.

B. venusta. A grand, tropical, trumpet creeper, growing on high trellises or trees up to 70 ft. or more, and producing countless tubular flowers of a bright orange-red in winter and spring, sometimes followed by a second crop in June, 25c, \$2.50 per doz.

BOUGAINVILLEA glabra sanderiana. Paper Flower. A very conspicuous plant with masses of purple flowers, usually in winter and spring, but showing some bloom most of the year. 35c.

B. spectabilis. This has flowers of a deeper shade of purple than the preceding, but requires several years' growth before blooming. 50c.

B. spectabilis var lateritia. Flowers of this very rare sort are of a brick red color. \$2.50.

CISSUS discolor. A rare and beautiful small vine with variegated foliage, crimson, purple and green. 50c.

CLERODENDRON balfourii. Quick growing; of unusual merit; flowers bright scarlet, enclosed partly in a bag-like calyx of pure white. The flowers last for many weeks and are produced in quantity. 25c, \$2.50 per doz.

C. delicatum. Like the preceding, except that the calyx is greenish, instead of white, and turns a reddish bronze with age. 15c and 25c.



Antigonon leptopus



Oneco, Florida



CRYPTOSTEGIA grandiflora. A free growing evergreen vine, bearing clusters of light purple flowers about 2 inches across, resembling the Allamanda. 50c.

DIOSCOREA sp. Air Potato. Rampant grower, suitable for porches, or where a quick cover is desired. Leaves large, glossy green, strongly nerved. 25c, \$2.50 per doz.

D. versicolor. A very rapid climber with velvety chocolate colored, heart-shaped leaves with a broad silver-white stripe in the center. Often the whole leaf is marbled with silvery-gray. Under sides of leaves a rich purple. Grand new plant. \$1.00.

IPOMOEA sidifolia. The "Christmas Vine." A superb white morning-glory, blooming in winter. The flowers are borne in the most enormous quantity, fairly smothering the plant for a time. A very beautiful perennial of quick growth. 15c, \$1.50 per doz.

JACQUEMONTIA pentantha. A charming blue-flowered Morning-Glory, native of Florida Keys. Rather delicate vine, but very floriferous. 25c.

JASMINUM gracillimum. The Graceful Jessamine. Very distinct and graceful habit; pretty foliage, many clusters of good-sized starry-white flowers nearly always in bloom. First-class. Very strong plants 15c and 25c.

J. pubescens. Somewhat similar to gracillimum but larger in plant and with heavier flowers, which are freely produced. Of rapid growth. Strong plants 15c and 25c.

PETRAEA volubilis. The Queen's Wreath. This magnificent vine has been on our grounds for

years, but is so very difficult of propagation that we have hitherto been unable to grow a stock of it. Leaves are of medium size, evergreen; harsh to the touch; flowers produced freely in long branched panicles, of an exquisite shade of blue, changing to lavender in age; these appear at intervals through the year. \$1.00, \$10.00 per doz.

PHILIBERTELLA clausa. A twining perennial, with glossy evergreen leaves, native on our Lower Keys. The flowers are pure white, very sweet-scented; borne in umbels. 25c.

PITHECCTENIUM muricatum. Flowers of good size, white and cream-colored, in loose panicles—lovely. A very choice new plant which flowers in summer. 25c, \$2.50 per doz.

QUISQUALIS indica. Bangoon Creeper. A strong evergreen grower, with clusters of long, slender, star-shaped flowers of the richest fragrance, resembling the odor of ripe peaches. Flowers open white in morning and gradually turn a deep red before night. 75c.

SOLANDRA guttata. The Chalice Vine. A rapid grower, with heavy broad foliage. Flowers yellow, very handsome, rather like the Allamanda, freely borne. 35c, \$3.50 per doz.

SOLANUM seaforthianum. A medium-sized, delicate vine with compound leaves and bunches of sky-blue flowers, which are followed by scarlet berries greatly liked by birds. Called in Mexico "Tomatillo." 25c.

S. wendlandii. A very large vine with coarse pinnate leaves, but most elegant, lilac-blue, sometimes sky-blue, flowers borne in great clusters 10 to 15 inches across, and lasting well. 25c.

SCHUBERTIA grandiflora. A rapid-growing



Climbing Roses, With Bougainvillea Higher Up; Phoenix canariensis at the Right.

Royal Palm Nurseries

climber; evergreen, with flowers closely resembling the famed *Stephanotis*. 75c.

TECOMA capensis. This has pretty pinnate leaves, and produces constantly an abundance of bright red, showy flowers. 25c.

T. mckennii-rosea. Flowers larger than preceding, of a lilac-rose color. 50c.

THUNBERGIA fragrans. A perennial climber with pure white, fragrant flowers about 2 inches across. 15c.

Vallis heynei (v. *dichotoma*.) Leaves smooth, dark-green; flowers white. A quick-grower, with attractive appearance. 25c.

COLLECTION TV. Five splendid vines, our choice, sent postpaid for 50c.

XIII Hardy and Half-Hardy Vines and Creepers

Such as will stand the winters of the South with little or no injury. All need wire or some kind of support, except *Bignonia crucigera*, *B. tweediana*, *B. radicans*, *Euonymus*, and *Hedera*; these cling to any solid support.

Those marked *P.* are pot-grown, the others in open ground, but all may be transplanted at any time of year except *Wistarias* and *Bignonia radicans*; these are deciduous, and should be moved in winter only. All others are evergreen.

BIGNONIA crucigera. (*B. capreolata*.) The **Cross Vine.** A native plant with dark green foliage, and orange-red flowers. Clings to walls or tree trunks closely. 15c.

B. radicans. The **Trumpet Creeper**, a hardy vine of the North, but found doing well in South Florida as well. The leaves are compound, deciduous; flowers in great clusters, orange-red, about two inches across. 20c, \$2.00 per doz.

B. speciosa. P. A magnificent vine, with glossy, dark leaves and great clusters of large, purplish, trumpet-shaped flowers blooming here from March to May. A fast grower. 1 yr. old 15c, \$1.50 per doz.

B. tweediana. P. An elegant vine of delicate appearance, exceptionally fine for covering stone and brick houses—or wooden, if you choose—with splendid bright yellow flowers 2 inches across, in early spring. 10c, \$1.00 per doz.

CLEMATIS paniculata. P. A very vigorous creeper, almost smothering itself in bloom in summer. Flowers an inch across, pure white, star-shaped, followed by feathery seed vessels. 2 yr. 15c, \$1.50 per doz.

EUNONYMUS radicans. P. This has small green leaves which turn bronze in winter. Clings to any solid support unaided. Strong plants 25c, \$2.50 per doz.

FICUS repens. A very small-leaved evergreen creeper which attaches itself to any solid object and is largely used in South Europe and California for covering walls of houses, which it does perfectly. Will stand considerable frost when grown on walls. 15c, \$1.50 per doz.

F. villosa. A stronger grower, with larger leaves than the preceding species, and perhaps not so hardy. 15c, \$1.50 per doz.

GELSEMIUM sempervirens. Carolina Yellow Jessamine. P. Winter blooming. Flowers are bell-shaped, pure yellow, fragrant. 15c, \$1.50 per doz.

HEDERA helix. P. True English Ivy. 15c, \$1.50 per doz.

JASMINUM officinale. P. (or *J. poeticum*.) **Hardy Jessamine.** Small, dark-green leaves; fragrant white flowers of small size in summer.

NINTOOA japonica. Hall's Japan Honeysuckle. A very strong grower, with handsome foliage, which turns a pleasing bronze in very cold weather. Fine for covering rocks, the ground, or for trellises, etc. The flowers are pure white, changing to creamy yellow, fragrant, and are almost ever-blooming. 1 yr. 15c, \$1.25 per doz.; 2 yr. 25c, \$2.00 per doz.

PITHECOCTENIUM clematideum. P. Pure white, spring bloomer. Foliage compound. 25c, \$2.50 per doz.



Nintooa japonica.



Oneco, Florida



For climbing roses, see Dept. XI.

SMILAX. Our native evergreen "green-briar" or "Bamboo creeper." Don't confound the name with the greenhouse vine, *Myrsiphyllum*. This haruy plant is prickly and bears quantities of black or green berries; the cut masses of vines are used in large decorations, being shipped from the South largely. Strong roots. 15c, \$1.00 per doz.

TRACHELOSPERMUM jas. variegatum. P. Foliage variegated, green-white and often pink. Very choice and attractive. 25c.

WISTARIA brachybotrya rubra. A vine of easy

growth with compound leaves and drooping spikes of rich, blue flowers produced all summer freely. Deciduous. 1 yr. 15c, \$1.50 per doz.; 2 yr. 25c, \$2.50 per doz.

W. chinensis. The Chinese Wistaria. Purplish-blue flowers. 35c, \$3.50 per doz.

W. chinensis alba. A pure white form of the Chinese Wistaria. 35c, \$3.50 per doz.

W. frutescens var. magnifica. A very floriferous form of the American Wistaria, with beautiful clustered racemes of lilac-purple flowers. 25c, \$2.50 per doz.

Collection TV. Five splendid vines, our choice, sent postpaid, for 50c.



Tuberous, Bulbous and Herbaceous Plants



Explanation of the starring system.—* Those of a tropical nature, useful in frostless regions or for bedding out during summer at the North. ** Those of a semi-tropical nature, standing sharp frosts without serious damage. *** Hardy as far North as the Ohio River (or farther) in the open ground.

The best time to set this stock is in winter or early spring although it would not be fatal to transplant at any time of year.



Fancy Caladiums of the Finest Sorts (See Page 54.)



Royal Palm Nurseries



ALOCASIA macrorrhiza. * Plain green leaves of a very stiff appearance, reaching a large size. 25c.

A. macrorrhiza variegata. * Leaves variegated with pure white. Rare. 50c.

A. plumbea. Leaves metallic purplish green. Fine. 50c.

A. roezlii. * (Also known as *Caladium mar-moratum*.) New green leaves with very numerous white blotches all over the surface. The leaves stand up and occasionally collect water, and it has been called "Neptune's Cup." \$1.00.

See *Xanthosoma* and *Colocasia* for allied plants.

AMARYLLIS. See *Hippeastrum*.

CALADIUM bulbosum. * * **Fancy Caladiums.** Splendid ornamental foliage dying down through the winter. Leaves arrow-shaped, marked with the brightest colors, red, green, yellow, purplish and sometimes almost a transparent white. No other plant possesses more richness or delicacy in coloring. Prefers a moist and half-shaded place with rich soil. They are grand house plants and fine for window boxes, etc.

We offer a fine lot of **mixed seedling caladiums** from seed of choicest sorts at 15c each, \$1.50 per doz.

Notice the Four Groups Following:—

FIRST GROUP: Price 25c each, \$2.50 per doz. assorted to suit.

Angostura. Deep transparent rose on a green ground, deep scarlet ribs. Large grower.

Bilontra. Green with large, beautiful, transparent violet centers.

Camamu. Glaring red center, creamy-white edge. Very delicate color.

Ceara. Creamy-white ground with a green gloss clouded olive-green, scattered white spots. Very fine and distinct. New color combination.

Coacoochee. Bright deep pink, changing to a deep metallic green, becoming almost pure white with a green border. Vigorous. Fine for bedding.

Comtesse de Maille. Metallic green lustre, suffused with deep, glowing red, ribs red, edge green, spotted pink.

Dr. Wilhelm Miller. Red predominates at all times, with a little green, finally the leaves attain a very deep glowing pink color.

Dona Carmen de Macedo. Transparent rosy-red with conspicuous green mid-rib and veins which are narrowly bordered by a thread-like white stripe.

Elsa. Changing from a deep green to a most intense deep pink, densely freckled with crimson.

Hildegard Nehrling. Has broad leaves, white clouded green with deep red mid-rib and main nerves. In half shade almost pure white, in full sun suffused with a beautiful deep pink color.

Itacoatiara. A grand and very distinct *Caladium* with jet black stems and large green leaves, which are suffused with rich pink; chocolate-brown ribs.

Itauna. Yellowish-creamy ground profusely and regularly spotted with deep red. Grand! New color.

Mrs. E. G. Uihlein. Ground color varying from light to deep pink; transparent; ribs and veins green. Very refined.

Paraguassu. White ground; later some transparent very red spots appear, and finally the entire leaf is covered with them. Strong grower and very fine.

Porto Novo. Leaf triangular and somewhat undulated. Light red center bordered by a white zone, edge green. Covered profusely with a number of rather large blackish-red spots.

Boncador. Pink and white ground, ribs and veins.

Triomphe de l'Exposition. Leaves immense, brilliant red in center, deep red zone, green border.

Truce. White, with red ribs. The white is often suffused with pink. A gem.

Wightii. Large, glossy green, with large, pure white and a lesser number of large scarlet spots; fine for massing. Vigorous.

SECOND GROUP: Price 35c each, \$3.50 per doz., assorted as desired.

Blanche Wise. Glossy white center, with large red spots, gray-white zone, green border.

D. M. Cook. Leaf crinkled; plum color center with golden yellow zone; heavily spotted deep red, green border. A new color combination, and very distinct.

Ernst Schmidt. White with green vines. Very fine.

Gerupeba. Creamy-white with red spots and a few moss-green blotches; crimson ribs. A choice variety.

Hedwig Else Nehrling. Green, red mid-rib and white and red spots. New.

Hermione. Intensely vivid, rosy-red, with metallic reflections. One among the most gorgeous of all red caladiums.

Itaqui. Very beautiful and new distinct sort, with deep crimson mid-rib and veins, border lighter red; whole leaf minutely covered with pink and white freckles on a deep green ground.

Joao Fernandez Viera. Vivid red center. Narrow yellow border.

Mrs. Jennie S. Perkins. Green, splashed with deep crimson, clouded with lighter red tints; very effective. A strong grower.

Ouro Fino. First color entirely yellowish-orange with red ribs; changes into a very fine emerald-green, densely freckled with white.

Sinimbu. White, with brownish-red veins.

Sobral. Large white and pink semi-transparent spots, with green veins.

THIRD GROUP: Price 50c each, \$5.00 per doz., assorted to suit.

Amador Bueno. Mottled creamy and transparent white, deep green and light yellowish green; ribs like a small brownish star in center of the leaf.

Diego Flores. Green, large transparent pink spots and blotches, entire leaf covered with yellowish-green.

Don Francisco de Souza. The green leaves are densely colored with large white glossy blotches.

Faceiro. Immense creamy white leaf clouded with moss-green, blotched with large white glossy blotches.

Faceiro. Immense creamy white leaf clouded with moss-green, blotched with large transparent white spots.

Hofgartner Vetter. Glowing red, deep green border. Very striking and pink in color.

Pedro Ivo. Immense leaves, creamy white, densely covered with deep red spots, ribs and veins light yellowish green, very effective.

Pojuca. Transparent pink, narrow green ribs.

Putomayo. One of the grandest and most refined of all *Caladiums*, constantly varying its color from deep red to transparent pink. Entire leaf heavily covered with large and thousands of small blood red spots. Ribs narrow green.

F. W. Reasoner. New and not as yet disseminated in the trade. A gigantic grower, reaching 5 feet in height. Immense leaves of a cheerful light-green color, profusely spotted snowy white. Mid-rib and part of other ribs crimson-brown, a narrow light-green zone along ribs. Very distinct.



Oneco, Florida



Sergipe. Deep transparent rosy red, narrow yellowish red ribs, narrow green border.

Sorocaba. Transparent silvery white suffused with pink, green ribs and veins. Strikingly beautiful.

Tocatis. Deep transparent rose, wavy leaf, narrow, deep, glossy green ribs bordered with a thread-like golden yellow stripe. The leaf has a narrow green border.

FOURTE GROUP: Price 85c each, \$8.50 per doz., assorted to suit.

Bahia. Deep transparent claret-red, yellowish ribs and veins, most beautiful.

Diogo Botelho. Vivid red center, creamy yellow border. Very fine.

Ella Wheeler Wilcox. Large leaves, creamy-yellow into green; large transparent white blotches; a few moss-green spots.

Frances M. Laughlin. Deep pink center, metallic narrow green border.

Gertrude Judd Smith. First leaves greenish, later white, transparent, with yellowish-green veins. The rolled up young leaves look like tissue paper.

Marian A. McAdow. Deep glowing red, very narrow green border, the finest of the red varieties.

Minna Hoffman. Beautiful transparent rose on a creamy ground; narrow yellowish ribs and veins. Very choice.

Mrs. Jessie M. Thayer. Velvety red, with deeper red ribs; narrow green border. Later in the season the red changes to a beautiful pink. This is one of the most exquisite sorts, changing color continually.

Rio de Janeiro. In Europe considered the most beautiful sort. Pink and rose transparent ground-color, veined white; a few yellow spots. Can hardly describe this elegant variety.

Taipu. Exquisite deep transparent claret-red center, suffused with pink and white; green border flecked with white.

CANNAS. * * Splendid broad-leaved plants which give a tropical effect in bedding. One of the finest plants for general planting we know. Suitable for almost any and every place, no matter how limited. Their growth is so easy and flowers so freely produced that we wonder why they are not grown more widely. Rich soil, plenty of water, and a sunny location are essential. After flowering cut out each matured stalk to allow young suckers to come into blossom. Our collection embraces the best sorts, with both green and bronze foliage. All have exceedingly gorgeous flowers. **Strong roots without naming, mixed, all different, 85c per doz. (All started after March 1st.)**

GROUP I. Flowers with Pink Shades. Leaves Green, except Shenandoah, which has dark or bronze-colored foliage.

Louise. This has green foliage and soft rose-pink flowers. Grows up to 4 ft. 15c, \$1.50 per doz.

Shenandoah. Grows about 4 ft. high with rich, dark foliage. Waxy rose-pink flowers. 25c, \$2.50 per doz.

Venus. A very choice variety, delicately colored. The flowers are medium size, rosy pink, with a mottled border of light yellow. Grows about 3½ ft. tall. 25c, \$2.50 per doz.

Wawa. This grows about 3 ft. tall and has flowers of a new shade of soft pink. An immense bloomer. 25c, \$2.50 per doz.

GROUP II. Flowers with Red Shades. All have green foliage except Black Beauty, David Harum, Wyoming and Wm. Saunders, whose leaves are bronzed.

Black Beauty. Very dark, rich bronze foliage

and splendid deep red flowers. A very fine sort growing 5 ft. tall. 15c, \$1.25 per doz.

Cinnabar. Cinnabar red, edged golden-yellow. Grows about 4½ ft. high. Fine. 15c, \$1.50 per doz.

David Harum. A new sort, having bronze foliage not too dark; flowers a pleasant orange-scarlet. Very attractive. 15c, \$1.50 per doz.

Duke of Marlborough. "The finest of the very deep crimsons, fine individual blooms in large trusses." Foliage green. Grows about 4 ft. high. 15c, \$1.50 per doz.

Gladioflora. Grows about 3½ ft. high. Remarkable for the unusual shape of the flowers, which look like Gladioli. Petals rounded, overlapping; color crimson, changing to carmine, edged with gold. New. 35c, \$3.50 per doz.

Mephisto. New. Very dark crimson. Flowers large, well up above the green foliage. 25c, \$2.50 per doz.

Mrs. Carl Kelsey. A very large grower (up to 7 ft.) with green foliage edged purple. Enormous heads of flowers, of a brilliant orange-scarlet, flaked and striped golden-yellow. 25c, \$2.50 per doz.

Mrs. Kate Gray. Very robust sort, with extra large green leaves; flowers orange-scarlet, overlaid with gold, and measure from 5 to 7 inches across. 10c, \$1.00 per doz.

Pennsylvania. Grows up to 6 ft. high, with immense flowers, of a pure deep scarlet. 15c, \$1.50 per doz.

Pillar of Fire. This is a very strong grower, reaching a height of 6 or 7 feet; flowers bright crimson-scarlet, borne in erect spikes like blazing torches. 20c, \$2.00 per doz.

William Saunders. New. A truly magnificent bronze-leaved variety, growing about 4 ft. high. The flowers are a gorgeous crimson-scarlet, of great substance and durability. 25c, \$2.50 per doz.

Wyoming. Purple-bronze foliage of a distinct shade. Immense flowers of a rich reddish-orange tint. Very fine. 15c, \$1.50 per doz.

GROUP III. Flowers with White or Yellow Shades, etc. All with green foliage.

Austria. The gorgeous, orchid-flowered Canna, a hybrid with *Canna flaccida* as one parent. Flowers of immense size, 5 or 6 inches across. Golden-yellow. A very beautiful sort of easiest culture. 10c, 85c per doz.

Gladiator. Grows about 5 ft. tall. Color bright yellow, spotted red. A strong grower, with large heads of flowers which stand wind and sunshine better than others. 25c, \$2.50 per doz.

Indiana. A giant orchid-flowering sort, reaching height of 6 ft. Flowers glistening golden-orange, daintily striped red. The single flower often measures 7 inches across. 20c, \$2.00 per doz.

Italia. Orchid-flowering; of immense size. Gorgeous flowers; golden yellow, blotched with orange-scarlet in the upper petals; lower petals scarlet, with yellow edge. 10c, 85c per doz.

Minnehaha. New. Semi-dwarf sort, with extra large flowers in great clusters; color yellow and cream to a center of light pink. It is very beautiful and different from all others. 35c, \$3.50 per doz.

Mont Blanc. (Improved.) Perhaps the very best sort with a close approach to a white flower. The flowers are creamy white of good substance. 15c, \$1.50 per doz.

Flaccida. Our native *Orchid Canna*. Dwarf habit, with clear yellow flower 3 to 5 inches across. Light green leaves. 10c, 75c per doz.

COLOCASIA esculenta. * * (Caladium esculentum.) **Elephant's Ear.** The well known bedding plant used so much on lawns in the North. 25c, \$2.50 per doz.



C. himalayensis. * * Of medium size with dark purplish stems and deep green leaves. 15c, \$1.50 per doz.

C. illustris. Closely allied to *Alocasia* and *Xanthosoma*. This grows up from 18 inches to 3 ft. Leaves heavily blotched with velvety black. A splendid plant and fine for massing. 15c, \$1.50 per doz.

CRINUM. * * These magnificent flowering bulbs are closely related to *Amaryllis* and *Pancratium*. Evergreen of easy culture; in Florida in the open ground, in the North in the greenhouse. Many of the choice sorts rarely produce new bulbs, and consequently are very high priced.

C. americanum. A most beautiful plant producing umbels of large white lily-like flowers often six or eight to the spike. A native of the Florida swamps, but, like most of the *Crinum*s, not particular as to soil or situation. 10c, 85c per doz.

C. augustum. Very large plant, with large umbels of pinkish-mauve, striped light, flowers very sweet-scented. \$1.00.

C. capense alba. A very early flowering sort, blooms frequently coming at Easter. Flowers pure white. 50c, \$5.00 per doz.

C. crassifolium hybrids. A mixture of seedlings with blood of pure *C. Crassifolium*. Large bulbs. 75c and \$1.00.

C. sp. from Assam. Flowers white, striped with soft pink, about the sizes of those of *C. Kunthianum*. Strong. 25c to 50c.

C. fimbriatum. Nassau or Milk and Wine Lily. A strong grower, not particular as to soil. Flowers in umbels, large and showy; striped white and carmine; 3 to 4 inches in diameter. Exceedingly choice and desirable as a pot plant or for bedding out during summer at the North. We offer two sizes. Small bulbs, will bloom next year, 5c, 50c per doz.; blooming size, 15c, \$1.25 per doz.

C. giganteum. Foliage very large, broad in the center, narrowing at both ends. Flowers bell shaped, pure white, highly scented. Needs half shade and moisture. 75c, \$7.50 per doz.

C. hybridum, J. C. Harvey. A fine vigorous hybrid (*C. Moorei* x *C. Kirkii*) evergreen, partaking in habit almost equally of both parents; hardier than *C. Kirkii*; adapted as well to tropical conditions as to more temperate climes. Flowers rose-pink, nearly as large as *C. Moorei*; more drooping in habit; not unlike *Amaryllis Belladonna*, exceedingly fragrant; very floriferous and of good substance, a single bulb often producing three flower stalks in one season. \$2.00.

C. kirkii. The flowers are large, white, with a reddish-purple stripe on the outside of each petal, which, showing through, gives the flower a pink tinge on the inside; some ten or fifteen of these flowers are produced at the top of a tall purple spike, and there are frequently two or more spikes of bloom from the bulb during the season. In addition, the foliage is very handsome, the numerous wavy-edged leaves forming a perfect rosette. Fine large bulbs 15c, 25c and 35c.

C. kirkii. x capense. A hybrid, with flowers the size of *Kirkii*, of a delicate light color—pale-pink and white. 35c.

C. kunthianum. Vigorous growing and abundant bloomer from New Granada. This is a grand species, with splendid flowers, dull white, tinged with rose-red. 20c and 35c.

C. moorei. Rare African species with clear pink flowers. Needs part shade and moisture. A very fine species. 75c and \$1.50.

C. pedunculatum, "St. John's Lily." A large plant, evergreen, with broad, heavy foliage, quite decorative in itself. Flowers pure white, narrow petalled, sweet-scented. A valuable plant of unusually hardy nature. Large bulbs only. 50c to \$1.00.

C. virginicum. A choice hybrid originated in England; flowers very large and widely opened, white and rosy-pink. 25c to 50c.

CURCUMA petiolata. * * **Queen Lily.** A choice plant, with broad leaves like a canna, but strongly veined and arched. Flowers in large torch-like bunches, white, tinted pink, which last for weeks. 20c \$2.00 per doz.



Choice Hybrid *Amaryllis* (*Hippeastrum*) (See Page 57.)

EUCHARIS amazonica. * **The Amazon Lily.** A very choice broad leaved evergreen plant; flowers pure white in umbels in Spring. 50c.

GLORIOSA superba. * * * A gorgeous, lily-like plant growing 4 to 5 ft. high and bearing quantities of deep orange and yellow flowers during the summer. It blooms for months, during July to October 15, and is a first-class ornament for screens. It requires slight training. Tubers 20c, \$2.00 per doz.



Oneco, Florida



HEDYCHIUM coronarium. * * **Ginger Lily.** **Butterfly Lily.** This magnificent plant flourishes best on low, moist land, where it will form a dense clump 3 to 6 feet high. The roots are tuberous, and the plant may be safely grown over the entire South. The masses of fragrant, pure white flowers, looking much like large white butterflies, are borne in large clusters, terminal on every stalk. If kept in the house in a growing state, it blooms continuously. 10c, 85c per doz.; larger plants may better be sent by express than by parcels post.

HEMEROCALLIS. The **Yellow Day-Lilies.** Old favorite plants for borders and beds beloved of our grandmothers, are splendid subjects for Florida and the South generally. We have three distinct sorts, as follows, in fine, large sizes, at 15c each, \$1.50 per doz.

H. dumortieri. **Dwarf Orange Lily.** Stems 1 to 2 ft. high. Flowers orange, marked red-brown on the outside. Blooms the earliest of all, and is quite fragrant. This is sometimes listed as Siebold's lily.

H. flava. * * * **Yellow Day Lily.** This flowers early and is a splendid plant for the South. Flowers are about 5 inches across, clear yellow and on long stems, above the foliage.

H. fulva. fl. pl. * * * The double flowered form of the **Tawny Day Lily.** Flowers bright orange-yellow, very freely borne in early summer. This is a valuable hardy border plant; will grow anywhere.

HIPPEASTRUM equestre. * * (Amaryllis.) Flowers large, bright red; of easy growth. 15c, \$1.50 per doz.

H. Nehrling's Hybrids. * * This is a very superior strain from many years' work in hybridizing the finest varieties of the whole world. Dr. Nehrling has spent a large sum to secure the finest material to work upon with magnificent results. The various types of colors are now partly classified, ranging from white to scarlet in multi-colored variations; we consider them unequalled. Some of these are quite sweetly scented. They bloom in spring or early summer. Large flowering bulbs 75c, \$7.50 per doz. From mixed stock 50c, \$5.00 per doz.

H. johnsonii. A splendid old species with richest crimson-scarlet flowers, striped with white. Flowering bulbs, 35c, \$3.50 per doz.

HYMENOCALLIS caribbaeum. * * (Pancratium caribbaeum.) The **Spider Lily**, or **Spanish Lily.** A bulb of easiest culture, producing large clusters, a few plants giving a succession of

bloom all summer. Color, pure white. 10c, 85c per doz.; very large, 15c to 25c.

IRIS hexagona. * * * **Blue Flag.** Evergreen. A hardy Southern variety of the greatest possible beauty. The loveliest flower of the whole South. Rich purple and blue, with yellow markings; 3 to 4 inches across; resembles the costliest and rarest orchid flower. Blooms in spring. 10c, \$1.00 per doz.

KAEMPFERIA gilberti. * * Leaves like a Cardamon, sometimes variegated; flowers on ornamental crimson heads, lasting all summer. 25c.

MORAEA iridoides. * * **"Natal Lily."** An iris-like plant, succeeding here perfectly. Has beautiful white flowers, touched with yellow and purple. 25c.

PANCRATIUM. See Hymenocallis.

REINECKIA carnea. * * A tufted plant with creeping root-stalk, grassy leaves, and rose-colored, fragrant flowers; from China. A useful plant for small borders.

RICHARDIA africana. * * **Calla Lily.** A good, old-fashioned plant, always popular. From August to October we can supply dry bulbs at 15c, which will flower winter and spring. Later these plants are 25c.

XANTHOSOMA bataviensis. * The Xanthosomas are similar to Caladiums and Alocasias, having great, arrow-shaped leaves, and many with edible tubers. This species has purple stems and dark green leaves. 25c, \$2.50 per doz.

X. maculatum. (Formerly listed as Alocasia alba aureo-maculata.) * New. The immense pale green leaves are variegated with creamy yellow, and the leaf-stem tinted violet, also variegated. Very striking. 25c, \$2.50 per doz.

X. marshalli. * (Sometimes called X. "Emerald.") Very quick-growing, of medium size. Green leaves and dark stems; an especially good bedder for all parts of the States having warm summers. Quite different from the common "Elephant Ears" so often seen, and being of easy growth cannot fail to give satisfaction. Strong tubers (started after March 1st), 10c, 85c per doz.

X. sagittifolium. * This has been grown in Florida for years—possibly by the Seminoles,—and the tubers are excellent for culinary purposes. Leaves light green, plant vigorous. A very beautiful bedding plant. 10c, \$1.00 per doz.; larger 15c, \$1.50 per doz.

X. violaceum. * (X. javanica.) A grand species, of large size, with deep, bluish-green foliage and very dark stems. A superb decorative subject; evergreen habit. 15c, \$1.50 per doz., larger 25, \$2.50 per doz.

Collection B. B. Five plants, our selection, labeled, sent postpaid, for 40c.

Collection B. B. I. Ten plants, our selection, sent postpaid, and labeled, for 75c.

FOREIGN TESTIMONIALS.

Gravenhurst, Ont., Canada, April, 1913.—"The plants came duly to hand, and am well pleased. They arrived in splendid shape, and gladly thank you for safe packing."
H. M. DeLONG.

Painhurst Bermuda, Jan., 1913.—"The stock I ordered of you several weeks ago is very satisfactory, and arrived in splendid condition. Thanks very much for your prompt and careful attention."
* * * * *

San Cristobal Cuba May, 1913.—"The last plants you sent came in fine condition, and they have commenced to make new growth. Many thanks."
BENTON WEBSTER

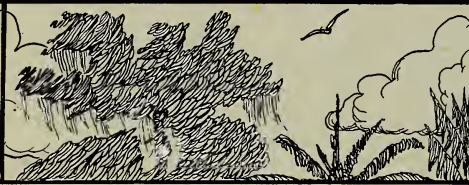
Winnipeg Man. Canada, June, 1913.—"I received my plants in first-class condition, and am highly pleased with them. They give every satisfaction. I am enclosing another order," etc.
W. H. DANGERFIELD.

Casa Ysabel, San Juan, P. R., Feb. 1913.—"I received the first shipment of roses in good order, but the second lot, unfortunately, came while I was away, and so was not opened for several days. I hope, however, we can save most of them. I enclose order for," etc.
J. M. HUGHART

Ens nada de Mora, Cuba, March 1913.—"I wish to inform you of the safe arrival of my recent order, and that I found everything to be in first-class condition. Thanking you for the very satisfactory manner in which you always attend to my orders,"—
ALFRED C. HARRISON, JR.



XV



Tropical Shade Trees

Suitable only for frostless regions, or for growth in large conservatories. A few are used as decorative pot-plants when small, as *Ficus*, *Grevillea*, *Jacaranda*, and others. There are also some fruit and economic trees suitable for shade; note especially *Colocarpum*, *Mammea Americana*, *Mangifera indica*, *Nephelium longanum*, *Persea gratissima*, *Spondias dulcis*, *Tamarindus indica*, in Dept. I *Adenanthera*, *Aleurites*, *Caesalpinia sappan*, *Cedrela*, *Eriodendron*, *Eucalyptus*, *Paritium*, *Pithecolobium*, *Sapindus*, etc., in Dept. III.

These are all pot-grown, except Stereospermum suaveolens, and may be transplanted at any time of year.

ACACIA suma. Medium sized tree with short hooked spines and small whitish flowers. From the Philippines. 50c.

A. species. From Philippines. A species with glaucous sword-shaped, as well as compound leaves. 50c.

A. farnesiana. See Dept. III.

ADENANTHERA pavonina. See Dept. III. A very satisfactory shade tree for tropical climates.

ALBIZZIA lebbek. Woman's Tongue Tree. A handsome pinnate-leaved shade tree from Jamaica. Does well here. Of quick growth. Resembles the Royal Poinciana, but leaves are not so finely cut. 25c, \$2.50 per doz.

A. procera. A quick-growing, beautiful species from India. 25c.

A. stipulata. A new species. 50c.

ANDIRA inermis. The Cabbage Tree. Foliage compound, evergreen; flowers in huge racemes, lilac-like, with a peculiar smell. Rare. \$1.00.

A. jamaicensis. We do not know if this is positively different from above species or not, as we have but young stock which came in this name. A very valuable shade and lumber tree from Jamaica, from 30 to 60 feet tall, with flowers of a

reddish violet color.. Beautiful evergreen compound leaves, 75c, \$7.50 per doz.

BAUHINIA. See Dept. X. for largest species which make small trees in frostless regions.

BISCHOFIA javanica. Splendid evergreen tree with very dense foliage. 35c.

BOMBAX malabaricum. Red Cotton Tree, of Burma. Fleshy calyxes are edible; flowers attractive. 35c.

CAROLINEA princeps. A large tree of quick growth from South and Central America. Leaves shining green, palmate; flowers pink and white, of large size. Fine young trees, 50c, \$5.00 per doz.

CASSIA florida. An ornamental small shade tree from the Philippines, with pinnate leaves and showy flowers in terminal clusters. New. 25c, \$2.50 per doz.

CASTANOSPERMUM australe. The Moreton Bay Chestnut, from Australia. Has immense compound leaves; is of rapid growth, and handsome. 75c.

DALBERGIA sissou. A leguminous tree from India, which furnishes very valuable lumber. It makes a fine shade tree. 25c, \$2.50 per doz.

DELONIX regia. (Poinciana.) The Royal Poinciana. This is a beautiful deciduous tropical tree, bearing quantities of brilliant scarlet flowers in the spring. The leaves are large, compound, and a pleasing green. Of very rapid growth. Gives a striking, tropical effect. 1 yr. 15c, \$1.50 per doz.; selected stock, 25c.

EUCALYPTUS. See Dept. III.

FICUS altissima. New. From India. This is a large-sized tree, which does well in extreme South Florida outdoors. The beautiful leaves are oblong and beautifully veined. It resembles the new *F. pandurata*. Splendid plants 40c, 60c and \$1.00.

F. aurea. Our native Wild Rubber Tree. A very interesting and beautiful species, forming dense shade trees



Ficus aurea in South Florida.



Oneco, Florida



in South Florida. Good young stock 25, \$2.50 per doz.

F. benjamina. Newly introduced by us from Australia. It is used as a street tree in Brisbane, and is a beautiful species, small-leaved, of a drooping habit. 15 to 18 inches high. \$5.00 per doz.; larger at \$1.00, \$10.00 per doz.

F. cunninghamii. A new species, lately introduced. This and *F. infectoria* are specially recommended as shade trees for extreme South Florida. 25c.

F. elastica. India Rubber Tree. See Dept 111.

F. infectoria. From India. One of the finest shade trees, with long, glossy leaves. Will do well in extreme South Florida outdoors. Trees in several sizes. 1 ft. 25c, 3 ft. 50c, 4 to 6 ft. \$1.00.

F. macrophylla. Moreton Bay Fig Tree, from Australia. Resembles *F. elastica* slightly, but has pointed leaves and yellow sheaths and petioles. A splendid species. Fine plants, 4 to 5 ft., \$1.00.

GREVILLEA robusta. Australian Silk Oak. A splendid fern-leaved tree, growing 120 ft. in height. Evergreen, and especially adapted as a shade tree for South Florida and South California, as it is as hardy as an orange tree. Also used in decorating apartments, etc. Makes a magnificent pot-plant. Strong plants 10c, \$1.00 per doz.; larger (about 12 to 18 inches high), 15c, \$1.50 per doz.; 2 to 3 ft., 25c, \$2.50 per doz.

HETEROPHEREGMA adenophyllum. An upright-growing small tree, with flowers brownish yellow, resembling the catalpa.

HURA crepitans. The Sand Box Tree of the West Indies. A medium sized tree reaching about 40 feet, with poplar-like leaves and large, curious seed vessels which, when ripe, burst with a loud noise, scattering seeds in all directions. 1 yr. 25c, 5 to 7 ft. 75c.

JACARANDA mimosaeifolia. A splendid tree with large, decomposing, fern-like leaves, allied to Bignonia, with clusters of blue flowers. 35c.

LONCHOCARPUS sp. Cuba. A tree with large, compound leaves; evergreen. Fine stock, 4 to 6 ft. high, 50c, \$5.00 per doz.; 6 to 8 ft. 75c, \$7.50 per doz.

Collection TT. Five trees, our selection, will be sent postpaid, all labeled, for \$1.00.

MISCELLANEOUS TESTIMONIALS.

Chicago, Ills., Jan. 1913.—"The stock arrived safely, and I am very much pleased with it. I thank you for your prompt attention."

J. E. TILT.

(J. E. Tilt Shoe Co.)

Galveston, Texas, March, 1913.—"Plants and bulbs received in good condition—thanks for the extra Croton."

H. M. TRUEHEART.

Brady Texas March 1913.—"The pecan trees came to hand in good shape." (These had been en route for weeks.)

LEWIS BROOK.

Seacliff, N. Y. March, 1913.—"The plants I ordered from you came in very good condition. The ferns are much larger than I expected. The Crotons are very fine."

DANIEL G. BANKS.

Providence R. I., March, 1913.—"The plants arrived in very fine condition—many thanks." LATER ON AS FOLLOWS: "All of the roses are in bloom. They went through three snow-falls and two very hard frosts. Magnolia and ginger lily, also other plants, in superb growing condition. The roses were planted along with three dozen others from various nurseries about the Eastern country—yours are the only ones to bloom to date (June 24th) and the Isabella Sprunts had a dozen blooms as their initial floral offering."

ISAAC KIRBY.

Cape May, N. J., March 1913.—"The plants came through in perfect order. Thanks for extras." LATER, THE FOLLOWING: "All the plants have done finely, especially the Alocasias, Colocasias, and Xanthosomas; some have attained very large size."

O. H. BROWN.

Los Angeles Cal., June 1913.—"Received the plants in first-class condition. I planted them at once, and they look just as fresh as when they were in your greenhouses. You have indeed a fine method of packing."

* * * * *

St. Augustine Fla., May, 1913.—"The plants I ordered from you a short time ago arrived in fine condition, and I was very much pleased with them. Am enclosing another order for," etc.

Mrs. C. G. JAHN.



Hardy and Half-Hardy Shade Trees



For Florida, California, and the lower South. The following list may be used as shade trees also: *Hicoria pecan*, see Department II; *Cinnamomum camphora*, *C. cassia*, some *Eucalyptus*, and *Sapindus mukrossii*, in Department III.

Most of the stock in this department is grown in the open ground and should be transplanted during the winter. A few pot-grown plants (see those marked P.) may be set out at any time.

ACER rubrum. Our native **Scarlet Maple**, or **Swamp Maple**. The rich red flowers appear in mid-winter and are followed by the red-tinted new foliage; in autumn the leaves are richly colored also. 2 to 3 ft. 20c, \$2.00 per doz.; 3 to 4 ft. 30c, \$3.00 per doz.; 4 to 5 ft. 40c, \$4.00 per doz.; 5 to 8 ft. 50c, \$5.00 per doz. This grows well on high land as well as in a swamp.

BROUSSONETIA papyrifera. **Paper Mulberry** of the South Sea Islands. Has large deciduous foliage somewhat like a true mulberry. Bark stringy. Tree of rapid growth. 25c to \$1.00.

CELTIS benthamii. About 2 ft. high 25c, \$2.50 per doz.; 3 to 4 ft. high 35c, \$3.50 per doz.

C. occidentalis. Our hardy **Hackberry Tree**. Excellent for avenue planting. A fine shade tree, having a very dense round top. Light, 2 yr. old 15c, \$1.50 per doz.; 2 to 3 ft. 25c, \$2.50 per doz.; 4 to 6 ft. 50c, \$5.00 per doz.; 8 to 10 ft. 75c, \$7.50 per doz.; 10 to 12 ft. \$1.50

C. orientalis. Small evergreen tree with leaves rough above and silvery pubescent beneath, and bearing small round black berries. 1½ to 2 ft. high 25c, \$2.50 per doz.; 2 to 3 ft. 35c, \$3.50 per doz.; 3 to 4 ft. 50c, \$5.00 per doz.

CHILOPSIS linearis. "Flowering Willow." A low spreading tree not over 20 ft. in height, with willow-like foliage; flowers freely through greater part of the summer. The flowers are tubular, of a lilac-blue, striped yellow. Good young stock 35c, \$3.50 per doz.

GLEDITSCHIA ferox. P. This is nearly related to the Honey Locust, and is protected by very queer branched thorns. Grows to 50 ft. in height. 35c.

GORDONIA lasianthus. **Loblolly Bay.** A native tree which should be more cultivated. A handsome, evergreen tree, with lovely, snow-white flowers, 3 inches in diameter, produced all summer. Will bloom when very small. Hardy as far north as Virginia, perhaps farther. 25c, \$2.50 per doz.; large trees 50c to \$1.00.

ILEX dahoon. **Dahoon Holly** of the Southern States. One of the most valuable broad-leaved evergreens. Leaves richest glossy green; tree covered with bright, shining, red berries in fall or winter. 25c.

I. opaca. **The Southern Holly.** Leaves prickly; berries scarlet, and always in demand for Christmas decorations. Transplanted, 2 yr. old, 25c, \$2.50 per doz.; 2 to 3 ft. 35c, \$3.50 per doz.

LIQUIDAMBAR styraciflua. **Sweet-Gum Tree.** Hardy throughout the South. Naturally grows in a swamp, but thrives on high land as well. A splendid tree for street planting. Leaves hand-

some, maple-shaped, deciduous. 2 to 3 ft. 25c; 3 to 5 ft. 35c; 15 to 18 ft. \$1.50; 18 to 20 ft. \$2.00.

MAGNOLIA grandiflora. (Some P.) **The Magnolia.** The most magnificent of all our Southern broad-leaved evergreens. Flowers 6 inches across, pure white, waxy and lemon-scented. 1 to 1½ ft. 25c; 2 to 3 ft. 50c; large trees, \$1.00 to \$2.00.

MELIA azedarach, var. umbraculiformis. **Umbrella China Tree.** A very shapely, deciduous tree with compound leaves, creating a dense shade. 2 to 3 ft. 25c, \$2.50 per doz.; 3 to 4 ft. 35c, \$3.50 per doz.; 4 to 5 ft. 50c, \$5.00 per doz.

PARKINSONIA aculeata. P. A small leguminous tree with delicate long pinnate leaves and great masses of brightest yellow flowers. Thrives on highest, dryest and poorest lands. A grand sight when in full bloom. 50c.

PERSEA carolinensis. P. **Red Bay** or **Sweet Bay.** A handsome native broad-leaved evergreen. Wood very valuable for cabinet work, etc. Pot-grown plants, 2 yrs. old, 15c, \$1.50 per doz.

PLATANUS occidentalis. **Plane Tree**, or **Sycamore.** An immense American tree of quick growth and deciduous habit. Does well generally in the South and has few insect enemies. 3 to 4 ft. 30c, \$3.00 per doz.; 4 to 5 ft. 40c, \$4.00 per doz.; 18 to 20 ft. \$15.00.

POPULUS deltoides. **Carolina Poplar.** A straight upright tree with pyramidal crown. Very vigorous and in favor as a street tree, as it forms a fine-sized specimen in three to five years; deciduous. 3 to 5 ft. 35c, \$3.50 per doz.; 5 to 7 ft. 50c, \$5.00 per doz.

QUERCUS nigra aquatica. Our evergreen **Water Oak**, largely used in Florida as a street tree. Quick-growing and vigorous. Fine trees, nursery-grown. 2 yr. 2 to 4 ft. 25c, \$2.50 per doz.; 4 to 6 ft. 35c, \$3.50 per doz.; 6 to 8 ft. 50c, \$5.00 per doz.; 8 to 10 ft. 75c, \$7.50 per doz.; 10 to 15 ft. \$1.00, \$10.00 per doz.; 16 to 20 ft.

SAPIUM sebiferum. P. (*Excaecaria sebifera*.) **Chinese Tallow Tree.** Resembles a poplar in foliage, which turns vivid colors in autumn. Seeds are coated with a kind of vegetable tallow, and these are said to be excellent for poultry. Pot-grown 25c and 35c. From open ground, fine, clean stock, 2 to 3 ft. 20c, \$2.00 per doz., \$15.00 per 100; 3 to 4 ft. 25c, \$2.50 per doz., \$20.00 per 100; 4 to 5 ft., heavy, 35c, \$3.50 per doz.; 6 to 7 ft. 50c.

VITEX agnus-castus. **Chaste Tree.** A low-growing tree with palmate leaves, scented like lavender. Flowers blue, in pretty spikes. A fine, hardy, desirable tree, 25c and 50c.

Collection HT. Five small trees from this selection will be sent postpaid (our choice, all labeled) for \$1.00; or larger, by express or freight, at same price.



Succulents and Epiphytes



Mostly tropical; suitable for the greenhouse, living room, offices, the tropics and warm coast regions of the United States. These may be transplanted at any time of year safely.

AGAVE. The Agaves, or Century Plants, are among the most valuable and striking plants that can be used in semi-tropical gardening. Many of them are useful as hedge plants, and the genus contains several of the most valuable fibre plants of commerce. They are all of great decorative value. The first three sorts named will stand considerable frost.

A. americana variegata. Leaves beautifully striped with cream color. A splendid ornamental. 15c, 25c and 50c for nice young stock.

A. neglecta. Rich, blue-green leaves, wide and gracefully recurved. The handsomest large sort in our collection. A magnificent plant, beautiful in all sizes, and surpassingly fine for all decorative purposes. Fine plants, with beautiful leaves, 25c, 50c, to \$3.00.

A. sisalana. See Economic Plants, Dept. III.

A. species. A rare, unknown agave, which throws up a flower spike but about 12 ft. Leaves numerous, short, light-green. Very decorative. Nice plants 25c, \$2.50 per doz.

A few rare unnamed species, 25c to \$1.00.

ALOE fruticosum. A very ornamental plant with sharply serrated leaves. Flowers bright yellow on a spike 2 ft. or more tall. Makes a clump of great decorative value. Beautiful plants 20c, 35c and 50c.

BROMELIA pinguin. Has the appearance of a large Pandanus, with deeply-serrated leaves, and crimson center when mature. Beautiful young stock 25c; large at \$1.00.

BYOPHYLLUM pinnatum. (B. calycinum.) An odd and rapid growing succulent. Flowers green and reddish bronze, in form of bladders. One of those strange plants that are propagated from leaves. Extremely curious. The leaves may be pinned on the wall and will throw out sprouts from every notch without watering. 10c, \$1.00 per doz.

CEREUS grandiflorus. The Night-Blooming Cereus. Cylindrical or 8-sided succulent growths without true foliage; flowers white about 5 to 8 inches across. Will climb on tree trunks or any support. 15c and 25c.

C. regelii. Flowers funnel-shaped, about 8 1/2 inches long, outer parts shaded above with purple-brown; inner parts white or pale pink. 50c.

C. triangularis. This is also a night-blooming cereus, resembling the preceding, and sometimes called **Strawberry Pear**, from the handsome fruit. Stems 3-sided. Flowers very fragrant, from 6 to 8 inches across. 15c and 25c.

DENDROPOGON usneoides. The Long Moss, Gray Moss, or Spanish Moss of the South. Very effective in decorations. The effect of this moss hanging on the trees in the South is indescribable. Will stand sharp freezing unharmed. A nice quantity for 10c; per pound, 25c, postpaid.

DASYLIRION serratifolium. A yucca-like plant from Northern Mexico. A fine plant growing 3 feet high. Leaves narrow, armed. Large, 75c to \$2.00.

EPIDENDRUM tampense. A very pretty native orchid, growing on the bark of oaks, etc. Is called **Butterfly Orchid**. Neat spikes of flowers in spring; pink, chocolate and green, lasting a long time in perfection. 15c, 25c and 50c.

EPIPHYLLUM truncatum. Crab-claw Cactus. A fine house plant, the succulent growths falling downward over the sides of pot or hanging basket. Flowers come in mid-winter and are very freely produced, of a rich, deep pink. 25c.

EUPHORBIA splendens. Sometimes called

Crown of Thorns. A low grower, having long, bronze stems, many spines, and brilliant, deep scarlet flowers, 25c.

FURCRAEA. The Furcraeas are very desirable plants for the center of large tubs and beds of plants, for room, hall or outdoor summer decoration North. Will make a splendid specimen planted out in South Florida. They very much resemble some species of agaves, though the leaves are generally more upright-growing. Also highly recommended as fibre plants. Magnificent when in bloom, the flower-spike reaching a height of 20 to 30 feet, with thousands of yucca-like whitish flowers.

F. beddinghausii. 50c.

F. foetida-gigantea. This is an immense plant with serrated leaves, the flower-spike reaching a height of 30 feet. Very beautiful at all stages. The leaves produce a valuable fibre. Strong plants 15c, \$1.50 per doz.; larger 25 and 50c.

F. lindenbergii. A splendid, variegated species of peculiarly elegant appearance. The broad stripes



Agave neglecta.



Royal Palm Nurseries



of white show off very clearly. Rare new plant of recent acquisition, valuable as a house plant. Beautiful plants, \$2.00 to \$5.00.

F. tuberosa. Leaves longer and narrower than the preceding, spineless. A great many leaves to each plant. Strong plants, 50c.

OPUNTIA leucotricha. Upright, almost tree-like, with long, white spines on the leaves; flowers yellow. 25c.

O. vulgaris. The Common Prickly Pear. Hardy well up into the Middle States. A low-growing, very spiny species, with most gorgeous flowers of a bright-yellow color, three inches across. 10c, \$1.00 per doz.

For other Opuntias, see Dept. II.

PEDILANTHUS tithymaloides. "Red Bird Cactus." A West Indian plant, with thick fleshy leaves and small, red, showy flowers. Not a true cactus at all, but an Euphorbiad. Very curious plant of easy growth. Admirable as a border plant in frostless locations, especially where the soil is dry, as it grows almost as well in dry soil as damp. Fine plants, 10c. \$1.00 per doz.; large plants, 20c, \$2.00 per doz.

PERESKIA aculeata. The Lemon Vine, or Barbados Gooseberry. A climbing cactus with true leaves and producing edible fruit. Stems fleshy, with spines at the base of each leaf. Very fast grower; much used as a stock upon which to graft epiphyllums and other low-growing cacti. Flowers borne periodically in immense numbers; 1 1/2 inches wide, of a creamy white, with a green tinge. 10c, \$1.00 per doz. Large standard stock for grafting, pot-grown. 20c, \$2.00 per doz.

P. bleo. A larger, stouter shrubby plant than the preceding; spiny, with leaves often 5 inches long. The flowers are a soft pink-purple, very showy, from 1 1/2 to 2 inches across. The fruit pear-shaped, 2 inches long. One of our late importations 50c.

P. species. New. This resembles somewhat the Lemon Vine, but is dwarf and much more delicate. Flowers greenish-white about an inch across. 20c, \$2.00 per doz.

PHYLLOCACTUS hookeri. 25c.

P. latifrons. Erroneously sometimes called "Night-blooming Cereus;" properly the Queen Cactus." The largest of the genus, growing 8 to 10 feet high; the stems 4 or 5 inches broad, and flat. Flowers are a fine creamy-white, with a reddish tube, produced at night. 25c.

PITCAIRNIA karwinskiana. This resembles a Bromelia or Tillandsia, with leaves up to 2 feet long. Flowers red, small, in dense racemes. Fine plants 50c.

P. xanthocalyx. \$1.00.

STAPELIA foetida, "Toad Cactus." We have

several varieties of this interesting plant, which resembles a Cereus of low growth. Flowers large, yellow and brown, very interesting; 15c and 25c each.

TILLANDSIA. Air Plant, or Wild Pine. A very large genus of ornamental plants of the easiest culture, requiring only to be attached to a block of wood and to be watered with the other plants. Tie with wire on rough bark; the plants hold water in their leaves. We list only native Florida species.

T. bracteata. One of the largest Wild Pines, or Air Plants. Full-grown plants are 1 and 2 feet in diameter and height, spikes often 18 inches or more in length; the large, brilliant, crimson bracts and flower-stalks and purple blossoms are very showy, and remain beautiful for weeks. A most valuable plant for conservatory or bay window, enduring a low temperature (though but little frost); requiring no care except an occasional watering. Attach to wood or hang in a small wire basket. 15c and 25c.

T. caespitosa. A species with long, grass-like leaves varying in color from gray to red; usually found in moist places. 10c.

T. utriculata. The largest native species. Leaves an inch or two in width, and 2 feet or more in length in full-grown plants. Stems very tall, 3 to 5 feet, branched and many-flowered, but not so showy as *T. bracteata*. A very rapid grower. Is easily established on a piece of wood, bark, or in a wire basket. Fine plants, 10c; larger, 25c to 50c.

VITIS quadrangularis. A true grape vine which looks like a Cereus! Most strange and remarkable succulent we have. A very interesting vine which comes from Tropical Asia. 35c, \$3.50 per doz.

VRESIA species. A broad-leaved air-plant allied to Tillandsia. The leaves are thin and light-green; spikes and flowers brilliant scarlet, the individual flowers tipped with light blue, \$1.00.

YUCCA aloifolia. Spanish Bayonet; Spanish Dagger. Seacoast of Southern States and West Indies. Probably not hardy north of middle Georgia. Flowers resemble those of *Y. filamentosa*, but are borne on a shorter stalk. Stem arborescent, sometimes 10 to 20 feet high. Very ornamental, even when small. Will bear much neglect. 15c, 25c, 50c and \$1.00.

Y. aloifolia variegata. Similar to above but the leaves are beautifully striped with white. Fine plants. 50c to \$2.00.

Y. filamentosa. The Bear-Grass. Our variety is a giant sort, much better than the common strain and worthy of being extensively planted. The white flowers are borne aloft on tall stalks and are very attractive and graceful. Strong, transplanted stock 15c, \$1.50 per doz. Heavier plants 25c, \$2.50 per doz.

FOREIGN TESTIMONIALS.

Cordoba, Ver. Mexico, Feb., 1913.—"The plants I ordered from you came in perfect condition, and in less than three weeks' time from ordering same. I have never seen plants packed so well and in such fine condition on arrival. I should like to compliment your packer on his work."
Mrs. LOUIS HEWLETT.

Island of Guam April, 1913.—"We are in receipt of your recent mail shipment of inarched mangoes. We are pleased with the good condition of the shipment, and wish to thank you for the special discount," etc. * * * * *

Nassau, Bahamas, June 1913.—"I received the box of plants safely, and plants were in fine condition and satisfactory."
EDWARD GEORGE

Manila, P. I., Jan. E, 1913.—"The plants have come to hand in excellent condition, and we hope to save a large per cent. of the list. Complimenting you upon your excellent method of packing, I remain," etc.

By O. W. BARRETT Chief Division of Horticulture.

F. W. TAYLOR
Director of Agriculture.



Royal Palm Nurseries



INDEX

A	PAGE	PAGE	PAGE	PAGE	PAGE	
Abelia	44	Avocado, see Persea	8	Chaste Tree, see Vitex	60	
Abrus	50	Azalea	44	Chenille Plant, see Acalypha	40	
Acacia	17, 44, 58	B				Cheimoya, see Anona
Acalypha	36, 40	Bactris	26	China Tree, see Melia	50	
Acer	60	Balisier, see Heliconia	38	Chinese Cinnamon, see Cinnamomum	18	
Achania	40	Balsam Tree, see Toluifera	20	Chinese Azalea, see Azalea	44	
Achrosticum	33	Bamboo, see Bambusa	20	Chinese Fan Palm, see Latania	27	
Achyranthus	36	Bamboo Creeper, see Smilax	56	Chinese Guava, see Psidium	16	
Acrocomia	26	Bambusa	20	Chinese Hibiscus, see Hibiscus	42	
Adenantha	17, 58	Banana, see Musa	28	Chinese Tallow Tree, see Sapindum	60	
Adiantum	33	Banana Shrub, see Melchioria	47	Chocolate, see Theobroma	20	
Agave	17, 61	Baphia	40	Christmas Vine, see Ipomoea	51	
Air Plants, see Tillandsia	62	Barbados Cherry, see Malpighia	6	Chrysalidocarpus	6	
Air Potato, see Dioscorea	51	Barbados Flower Fence, see Caesalpinia	41	Chusan Palm, see Trachycarpus	31	
Akee Tree, see Cupania	6	Barbados Gooseberry, see Pereskia	62	Cibotium	33	
Albizzia	58	Bauhinia	40	Cinnamomum	18	
Aleurites	17	Bear Grass, see Yucca	62	Cinnamon, see Cinnamomum	18	
Algaroba, see Hymanena	19	Beef-wood, see Casuarina	24	Cinnamomum Fern, see Osmunda	35	
Allamanda	50	Begonia	41	Cinnamomum Jessamine, see Artobotrys	40	
Alseodora	8	Bermuda Arrowroot, see Marantia	19	Circassian Bean, see Adenantha	17	
Alocasia	54	Bigonia	50, 52	Cissou	50	
Aloe	61	Biota, see Thuja	24	Citron, see Citrus medica	12	
Alpinia	40	Bischofia	58	Citrus, 10, 11, 12, 13 and	42	
Alsophila	33	Bixa	18	Clematis	52	
Althea, see Hibiscus	45	Blackberry, see Rubus	16	Clerodendron	41	
Amaryllis, see Hippeastrum	57	Blechnum	33	Clevea	44	
Amatungula, see Carissa	6	Bloodberry, see Rivina	30	Climbing Fern, see Lyrodium	33	
Amazon Lily, see Eucharis	56	Blue Flag, see Iris	30	Club Moss, see Selaginella	35	
American Lotus, see Nelumbo	22	Blue Palm, see Sabal	30	Coca, see Erythroxylon	18	
Amor River Privet, see Ligustrum	47	Bohea	41	Coccoloba	6	
Anacardium	5	Bombax	58	Cocoa, see Theobroma	21	
Ananas	5	Boston Fern, see Nephrolepis	34	Coccoloba	6	
Andira	58	Bottle Brush, see Metrosideros	47	Cocos	27	
Andropogon	17	Bougainvillea	50	Codiaeum	37	
Anise, see Illicium	45	Bowstring Hemp, see Sansevieria	10	Coffea, see Coffea	18	
Annona, see Bixa	18	Box, see Buxus	44	Colchic	38	
Anona	5	Bread Fruit, see Artocarpus	5	Colocasia	35	
Antidesma	5	Bridal Wreath, see Spiraea	40	Comptie, see Zamia	31	
Anthurium	36	Bromelia	61	Coral Tree, see Erythrina	42	
Antigonon	50	Broussonetia	60	Cordia	42	
Aralia	36, 44	Brunfelsia	41	Cortaderia	20	
Araucaria, see Arbovitae, see Thuja	24	Bryophyllum	61	Corypha	20	
Arborvitae, see Thuja	24	Bucare, see Erythrina	18	Costus	38	
Ardisia	36	Bullock's Heart, see Anona	5	Crab's Eve Vine, see Abrus	50	
Areca, also see Chrysalidocarpus and Dictyosperma	26	Bunya-Bunya Pine, see Araucaria	24	Crab-Claw Cactus, see Epiphyllum	61	
Argvraia	50	Butterfly Lily, see Hedychium	57	Crape Jessamine, see Tabernaemontana	43	
Aristolochia	50	Butterfly Orchid, see Epidendrum	61	Crape Myrtle, see Lagerstroemia	47	
Arrow Arum, see Peltandra	23	Butterwood Tree, see Trichilia	59	Creosote, see Baccharis	18	
Arrow Root, see Maranta	19	Buxus	44	Crim	56	
Artobotrys	40	C				
Artocarpus	5	Cabbage Palm, see Oreodoxa	28			
Arundinaria	29	Cabbage Palmetto, see Sabal	30			
Arundo	29	Cabbage Tree, see Andira	58			
Asparagus	36	Cactus, see Opuntia, Cereus, Epiphyllum, Pereskia, and Phyllocactus	44			
Aspidistra	36					
Aspidium	33					
Attalea	26					
Australian Pine, see Casuarina	24					
Australian Silk Oak	59					
Australian Tree Fern, see Alsophila	33					



Royal Palm Nurseries



PAGE
Erythroxylon18
Eucalyptus18, 10
Eucharis56
Eugenia6
Eulalia21
Euonymus52
Euphorbia61

F

Fancy Caladiums, see Caladium54
False Ylang-Ylang, see Artobotrva40
Feioa14
Ficus 14, 19, 38, 52, 58 and50
Fig, see Ficus14
Fishtail Palm, see Caryota26
Fittonia38
Flame of the Woods, see Ixora42
Flamboyant Blanco, see Bauhinia40
Flooded Gum, see Eucalyptus10
Fluffy Ruffles, Fern, see Nephrolepis34
Flowering Willow, see Chilopsis60
Forest Mahogany, see Eucalyptus10
Foster Grapefruit13
French Mulberry, see Callicarpa44
Furcraea61

G

Gardener's Garter, see Arundo20
Gardenia,42, 45
Geiger Tree, see Cordia42
Gelsemium10, 42
Genia6
Giant Arrow Head, see Sagittaria19
Ginep, see Melicocca8
Ginger Lily, see Hedychium57
Ginger, see Zingiber20
Gleditsia60
Gloriosa56
Glory Fern, see Adiantum33
Glory Fern, see Adiantum33
Glycosmis42
Golden Dewdrop, see Duranta42
Golden-leaved Oleaster, see Elaeagnus45
Golden Polypody, see Polypodium35
Gordonia60
Graceful Jessamine, see Jasminum51
Grand Duke Jessamine, see Jasminum42
Grape, see Vitis10
Grapefruit, see Citrus Pomelanus12
Grasses20
Gray Moss, see Dendropogon61
Gray Gum, see Eucalyptus10
Great Cedar, see Cedrus24
Green Briar, see Smilax53
Grewia6
Grevillea50
Groo-groo Palm, see Acrocomia26

PAGE
Guava, see Psidium9, 16
Guilielma27
Gymnogramme33
Gynerium, see Cortaderia20
Gynura38

H

Hackberry, see Celtis60
Hall's Japan Honey-suckle, see Nintooa52
Hamelia42
Hardy Jessamine, see Jasminum52
Hart's Tongue Fern, see Polypodium35
Hat Palm, see Sabal30
Hedera52
Hedychium57
Heliconia38
Hematoxylon10
Hemerocallis57
Hemigraphis38
Hemionitis33
Henna Bush, see Lawsonia10
Herpetica42
Heterophragma50
Hibiscus42, 45
Hicoria14
Hippastrum57
Holly, see Ilex50
Holly Fern, see Cyrtomium33
Honeysuckle, see Nintooa52
Honey Tree, see Hovenia15
Horseradish Tree, see Moringa10
Hovenia15
Hura50
Hydrangea45
Hydriastele27
Hymenaea19
Hymenocallis57
Hyponhorbe27

I

Ilex60
Illicium45
Indian Fig Cactus, see Opuntia15
India Rubber, see Ficus10, 50
Ipomoea51
Iris57
Ivy, see Hedera52
Ixora42

J

Jacaranda50
Jacobinia42
Jack-fruit, see Artocarpus5
Jacquemontia51
Jamaica Apple, see Anona5
Japanese Climbing Fern, see Lygodium33
Japanese Persimmon, see Diospyros14
Japanese Walnut, see Juglans15
Japanese Oleaster, see Elaeagnus14
Japan Plum, see Eriobotrya14
Jasmine, see Jasminum, 42, 45, 51, and52
Jasminum, 42, 45, 51, and52
Jessamine, see Jas-

PAGE
minum 42, 45, 51 and52
Juglans15

K

Kaempferia57
Kai Apple, see Diospyros14
Kaki, see Diospyros14
Kentia27
Kola Nut, see Kola10
Kola10
Kraussia43
Kumquats, see Citrus Japonica11

L

Lace Fern, see Nephrolepis33
Lagerstroemia47
Lantana43
Lasiandra43
Lastrea33
Latania27
Laurel Cherry, see Prunus48
Lawsonia10
Lemon, see Citrus11
Limonum11
Lemon Grass, see Andropogon17
Lemon Gum, see Eucalyptus10
Lemon Vine, see Pereskia62
Leonotis47
Ligustrum47
Lime, see Citrus11
Limetta11
Linnobium22
Limncharis22
Lion's Tail, see Leonotis47
Liquidambar60
Livistona28
Lizard's Tail, see Saururus40
Lobolly Bay, see Gordonia60
Logwood Tree of Mexico, see Hematoxylon10
Lonchocarpus50
Longan, see Nephelium8
Long Moss, see Dendropogon61
Loquat, see Eriobotrya14
Lotus, see Nelumbo22
Lygodium33

M

Maba natalensis43
Macadamia6
Mackava43
Magnolia60
Maiden Hair Fern, see Adiantum33
Majestic Rubber Tree, see Ficus38
Malpighia6
Mammea6
Mammea Apple, see Mammea6
Mandarin, see Citrus nobilis11
Mangifera6
Mango, see Mangifera6
Manna Gum, see Eucalyptus19
Maple, see Acer60
Maranta38
Marmalade Box, see Genipa6
Martinezia28

PAGE
Melia60
Melicocca8
Melon Fruit, see Carica5
Metrosideros47
Mexican Palmetto, see Sabal30
Mevenia, see Thunbergia43
Michelia47
Microlella33
Miffoil, see Myriophyllum22
Milk and Wine Lily, see Crinum56
Monstera8
Moraea57
Morinda19
Moringa19
Moreton Bay Chestnut, see Castanospermum58
Moreton Bay Fig Tree, see Ficus50
Morning Glory, see Argreia, Ipomoea and Jacquemontia,15
Morus15
Moses' Bulrush, see Cyperus22
Moss, see Dendropogon and Selaginella50
Mountain Ebony, see Bauhinia40
Muehlenbeckia43
Mulberry, see Morus15
Murrava43
Musa8
Muscadine Grape, see Vitis16
Myrica10
Myriophyllum22
Myrtle, see Myrica and Myrtus47

N

Naked-flowered Jasmine, see Jasminum45
Nassau Lily, see Crinum56
Natal Lily, see Moraea57
Natal Orange, see Strychnos9
Necklace Tree, see Ormota9
Nelumbium, see Nelumbo22
Nelumbo22
Neowashingtonia28
Nephelium8
Nephrolepis33, 31
Nephrosperma28
Nephtythis38
Neptune's Cup, see Alocasia54
Nerium47, 48
Nicker Bean, see Caesalpinia41
Night-blooming Cereus, see Cereus61
Night-blooming Cestrum, see Cestrum41
Nintooa52
Norfolk Island Pine, see Araucaria24
Northey Berry, see Rubus16
Nyctanthes50
Nymphaea22

O

Oak, see Quercus60
Oil Palm, see

PAGE
Elaeis27
Olea, see Osmanthus40
Oleander, see Nerium47
Oleaster, see Elaeagnus14, 45
Ophiopogon38
Opuntia15, 61
Orange, see Citrus aurantium10
Orange Jessamine, see Murrava43
Oreodoxa28
Ormosia50
Oroxylum48
Osmanthus48
Osmunda35
Ostrich Feather Fern, see Nephrolepis35
Otaheite Apple, see Spondias9
Otaheite Gooseberry, see Phyllanthus8
Oxvanthus43

P

Pacouria10
Palmetto, see Sabal30
Palm Grass, see Panicum21
Palmiste, see Oreodoxa28
Pampas Grass, see Cortaderia20
Panama Hat Plant, see Carludovica36
Panax38
Pancratium, see Hymenocallis57
Pandanus38
Panicum21
Paper Flower, see Bougainvillea50
Paper Mulberry, see Broussonetia60
Papirus, see Cyperus21
Para Grass, see Panicum molle21
Paritium10
Parkinsonia60
Parrot's Feather, see Myriophyllum22
Pawpaw, see Carica5
Peach, see Prunus persica15
Peach Palm, see Guilielma27
Pear, see Pyrus16
Pecan, see Hicoria14
Pedicanthus62
Pellionia30
Peltandra23
Pereskia62
Persea8, 60
Persimmon, see Diospyros14
Petraea51
Phillibertella51
Phylodendron30
Phoenix28
Photinia48
Phrynium, see Maranta38
Phyllanthus 8, 0, 30
Phylloactis62
Phyllostachys21
Piaropus23
Pickerel Weed, see Pontederia23
Pineapple, see Ananas5
Pines, see Pinus24
Pinus, see Pinus24
Pistia23
Pitcairnia62



A Bit of St. Augustine Grass Lawn On Our Grounds