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ROYAL PALM NURSERIES
ECO • FLORIDA • U.S.A.
1915

“FOSTER”
THE NEWEST AND MOST VALUABLE GRAPEFRUIT
SERVICES

Times have changed.

It used to be that the complete satisfaction of the customer was supposed to exist when good plants left the nursery in satisfactory order.

But with rapid development of the State along practically new lines in the horticultural field there has grown up a corresponding demand for accurate and reliable information and advice based on actual experience, research and experimental work, to the end that the maximum of success in planting may be obtained at a minimum of expenditure of money and labor.

In the development of such a business as we now conduct, representing over thirty years of painstaking labor and research, there has been a vast store of knowledge "laid by". It is our intention to place this reserve fund at the disposal of our customers and that they may receive prompt and careful attention we have instituted our "Service Department". By means of this agency the buyer can feel that he will receive absolutely impartial and as nearly accurate information on planting as it is possible for us to give, at any and all times, whether on fruit growing, economic crops, gardening, ornamental home planting and landscaping, or any similar phase of horticulture touching our experience.

It is our earnest wish that our customers make free use of this new Department, more especially those to whom our State's horticulture is somewhat of a problem because of unfamiliarity.

With this new "Plant Directory" we extend our best wishes for a very successful planting season.

REASONER BROTHERS,
Royal Palm Nurseries
Oneco, Florida

Autumn, 1914

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A FULL INDEX IS AT THE BACK OF THIS BOOK
IMPORTANT

WITH reduced Parcel Post rates on plants and the "zone" system adopted by the Post Office Department, together with the sweeping reductions in express rates, it has become necessary for us to revise our system for applying catalog prices.

Therefore please note Rule I on Page 4 of catalog, which reads as follows:

In order to conform to the radical changes involved in the revision of mail and express rates, which make it possible to ship plants at very much reduced cost to the purchaser, we have found it advisable to adopt a system for applying prices as outlined hereafter. This method is exact as well as simple and there is no uncertainty in regard to cost of packing. We find that packing costs are approximately even and that charging up packing expense in addition to cost of plants, as commonly practiced, is confusing and uncertain to the customer.

(NOTE:—The expression, "Local Zone," throughout the following refers to that territory comprising the following states: Florida, Georgia, Alabama, Mississippi, Louisiana, Texas, Oklahoma, Arkansas, Tennessee, North Carolina, South Carolina, Kentucky, Virginia and Cuba.)

(a)—When within the Local Zone, as above, all plants will be shipt, either by mail or express, at our option, transportation charges prepaid, at catalog prices net. If, however, the customer wishes to pay express or freight charges, when order is to be so shipt, deduct 20 per cent (one-fifth) from catalog prices.

(b)—When plants are to be shipt outside the Local Zone, as above, and the charges are to be prepaid, add 10 per cent (one-tenth) to catalog prices. Otherwise we will have to ship "charges collect." When plants are to be shipt by mail outside the "Local Zone" this ten per cent must be added. Otherwise we will use our judgment, either shipping express collect or hold order for postage.

And in connection with this matter of transportation we wish to emphasize most particularly the fact that we are shipping, now as always, to all parts of the world: Europe, Asia, Africa, Australia, etc., in perfect safety. For results we refer you to the numerous testimonials throughout the book.

As a matter for your especial convenience, we wish to refer you to the several Business Rules on page 4. They are as brief as consistent and are to the point!
THIRTY FIRST ANNUAL CATALOG OF THE ROYAL PALM NURSERIES

REASONER BROTHERS
Oneco, Florida, U. S. A.

Telegram Address
Bradenton

1915

Thomasville, Ga., June, 1914.—A short time ago I ordered a few plants from you and must say that you sent me the cleanest, nicest lot of plants that I have ever bought from any one, and packed so carefully, and in such a light package, that I was astonished at the small amount of express. So in response to this treatment I am sending you another order on separate sheet enclosed. Thanking you for the extra plants you included in my last order, I am,

Yours truly,
J. F. Pittman.

* * *

Canton, N. C., April, 1914.—"I have just received the beautiful plants, and must say I am perfectly delighted with them. I have never seen plants so well packed. I have spent a lot more money for plants from Northern greenhouses this spring and got nothing half so nice as yours."

Mrs. Amanda Henson.

* * *

Los Angeles, Calif., Jan., 1914.—"The plants you sent came in fine shape; they looked as if they had just been lifted. I called in several of my neighbors and showed them the plants and in what fine shape they came, one enthusiastic gardener who said that he never saw plants come in such good shape; he also complimented your catalog and said it was gotten up the neatest and most complete of any ever sent to him. I am going to send an order for some other plants." etc.

Mrs. Louis Fleckenstein.

* * *

Key West, Fla., May, 1914.—"The flowering shrubs, fruit trees, etc., were beautifully packed and arrived in a splendidly fresh fine condition. We are delighted with them, and thank you so much for your generosity in the extras. We shall order roses from you in the Fall."

Mrs. E. S. Miller.
U. S. Marine Hospital.

* * *

Broad St. Station, Philadelphia, April, 1914.—"The plants arrived in good shape and I am much pleased with your selection."

Jos. Richardson.
Florida Climatology in Relation To Planting.

Area 1.—This includes all western and peninsular Florida as far south, roughly speaking, as Hernando, Marion and northern Volusia counties as shown in accompanying map. The few southern counties of this area—those just mentioned—practically mark the northern limit of the citrus industry. There are scattered groves north and west, of the hardier types on hardier stocks, but they do not figure conspicuously in the industry. This region is especially adapted to the deciduous fruits that are suited to Florida planting as the Persimmon, Fig, Pecan, Peach, Plum, Pear, etc. It is true that most of the varieties commonly grown in Florida do splendidly even in south Florida, but generally speaking they reach their perfection in the northern sections of the State. You will note on going over the remarks on hardiness at the head of each department, to which we call your especial attention, that the * is used to indicate this relative hardiness.

Area 2.—This is really more than “central Florida,” as it covers all of the southern half of the State with the exception of a narrow strip of better protected territory on both coasts from Pinellas County around to Brevard, which widens out at the southern extreme to include Dade and Monroe counties, and a large portion of Lee and Palm Beach counties, all of which constitute Area 3. We leave the larger portion of the Everglade country in the second area as comparatively little is known as to just what its climatic conditions may be and at some points there it has been colder on occasion than at many points farther north. Area 2 includes the bulk of the citrus territory as now understood, and also the most celebrated trucking centers of the State. Because of its unusual location, most of the plants we list can be grown successfully with the exception of some of the more tender tropical sorts, though even of these many shrubs may be grown, for even if the tops are killed down, they come right up and flower and fruit again.

Area 3.—Includes the more strictly sub-tropical area in which all plants are as near hardy as at any point in the United States. At the points farthest north, along bays and rivers where water modifies the temperature in cold weather very perceptibly, this area of comparatively safe planting of tropical material extends back from the water one or two miles, the strip widening as it extends southward.
Planting and Potting Suggestions.

PREPARATION FOR PLANTING.—Newly cleared land, especially in Florida, is “sour” (acid) to a greater or less degree. This is of no importance, as it can be corrected, if too much so, by cultivation, opening up the soil and allowing it to become thoroughly aerated before planting. Otherwise lime should be applied, in quantity depending upon the degree of acidity. No specific amounts can be prescribed because of wide range of variation in soils. In cases where the planting area is left under water for several days prior to planting, the soil should be taken up and thoroughly broken before replanting.

In making holes in which to set the individual plants, remember that the larger the better, three feet in all dimensions being small enough though of course smaller holes will do, if the plants are properly set out and otherwise cared for. When planting, fill the hole with topsoil which is incorporated from several shovelfuls to a wheelbarrow load of well rotted manure, past the burning stage, depending upon plant, soil, conditions, etc. The use of manure applies especially to ornamentals—in planting citrus trees it is open to objection. Also in planting extensive areas good manure cannot be obtained in sufficient quantity. However, Florida soils are naturally deficient in humus (decomposed organic matter) and for that reason manure, or some other form of humus, is preferable where it can be obtained. In addition to humus as fertilizer, blood-and-bone, tankage and other fertilizers are available organic forms that are readily available.

ARRIVAL OF PLANTS.—Plants should be removed from the package or box as soon as possible after reaching destination. Frequently, however, it is impossible to plant them out at once, in which case see that roots are wet, then stand the rolls of plants around in cool shady places, seeing that they do not suffer for want of water. They can remain this way several days without injury. Large trees and shrubs from open ground may be simply “tied” together in the rolls, the shady side of which is then laid down on the ground, and set up permanently for a week afterward they will be all the better for it. Should any of the plants appear wilted, they should be placed in lukewarm water, with the packing moss still about their roots, and in half an hour they will be ready for use. This treatment will renew their vigor when actually in water or wet.

SETTING.—Assuming that the soil has been put in proper condition, the plants and trees can be set in their proper places at once. If the plants are from pots, set them considerably deeper than they were in the pot, the distance depending on size of plant, etc. Set without disturbing the roots—never try to straighten out the roots of pot-grown plants! Dried plants, when dug, lose the larger portion of their feeding roots and have to be cut back proportionately and in some cases planted a couple of inches deeper than they stood in the nursery rows. (Exception is here taken especially to citrus stock as well as others.) The roots should be trimmed with a sharp knife, and when planted allowed plenty of room to assume the roots with hands and feet.—it is very important that the soil be firmly packed around the roots. Use plenty of water. Always much the ground around with grass, straw, or similar materials.

Some more tender plants require shade for some time and all plants are better for shade for the first few days, But This Above All: that they never lack for water until established.

POTTING.—While plants are small, use pots one size larger than they were removed from. As they fill up the pots with roots they should be potted on into sizes next larger. When small it is necessary only to place a piece of broken pot over the hole in the bottom, but when the pots run up to five and six inch sizes and larger, they should have several pieces of pots, pebbles, or pieces of charcoal or other coarse drainage material to prevent soil from entirely filling this up, place a piece of well rotted sod over the drainage material. Lack of proper drainage prevents the growth of roots through the soil, the latter becomes sour, the roots die back and the plant suffers. Fill pot to about half an inch or more with soil having ball of roots and potting soil, the latter composed of good loam, sand, clay if obtainable, and well rotted manure, past the “burning” stage, with a small amount of chemical fertilizer, such as comes prepared for the purpose. Place the plants in a sheltered position where they will not be exposed to the wind, as 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 never in a soggy state. Excessive watering is worse than not quite enough; judgment must be exercised in this matter, but never just wet the soil on top. It is a good idea to place the pots in a tub of water until all air is driven out of the soil, then allow the excess water to drain off completely before replacing in jardinières. Do this once every ten days or in addition to the regular watering. But never water plants while they are standing in jardinières—this allows water to accumulate as the sun dries out of the pot, keeping the soil soggy and sour and has the same result, only to a greater degree, as poor drainage.

FROST PROTECTION.—All parts of Florida are subject to frost to a greater or less degree.—there is no such thing as “frost-line.” In freezing weather, however, there are a number of ways in which tender plants may be more or less effectively protected, by means of raising the temperature a few degrees, as with smudge-fires, “blanketing,” etc. The old “light-wood, pitch and other methods of creating a blanket of smoke and warm air are giving way to the clearer, more convenient method of oil-pots. Sheds are used, sometimes merely overhead slats, as in the case of Poinsettias, and at other times solid wall enclosures. Considerable expense is attached to all these methods and they are only advisable when plants are extremely susceptible to injury from cold. As a matter of fact in frosts and light freezes it is not so much the reduced temperature that does the injury as it is the effect of the early morning and last rays striking the plant after a freezing night’s temperature. If the plants can warm up gradually they will not suffer. To effect this, various means are used, one of the commonest among truckers where water is available is to spray water over the plants for some time after sun rise. Tender trees on the other hand, find their buildings or other protection never suffer like those exposed to the early sun, though the west side is actually the coldest. The same effect may be secured with plants in the open by stand-bone boughs of trees, grapevines, cotoneasters, etc., in a tent-like formation all around the trees. Pine boughs are especially valuable for this as their needles remain green throughout the winter. While trees are very small, a light framework of sticks, etc., covered with cloth, paper or burlap, will afford ample protection, and in cases of very severe cold nights a layer of leaves or straw, with a covering of burlap, will be safe. The danger of freezing during the day, in the case of budded or grafted trees, banking above the union is advisable as in the event of the top being frozen down, enough of the finer variety is left to give a new top the following year.

One of Our Potting Sheds.
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(NOTE:—The expression "Local Zone" throughout the following refers to that territory comprising the following states,—FLORIDA, GEORGIA, ALABAMA, MISSISSIPPI, LOUISIANA, TEXAS, OKLAHOMA, ARKANSAS, TENNESSEE, NORTH CAROLINA, SOUTH CAROLINA, KENTUCKY, VIRGINIA and CUBA.)

(a.) When within the Local Zone, as above, all plants will be shipped, either by mail or express, at our option, transportation charges prepaid, at catalog prices net. If, however, the customer wishes to pay express or freight charges, when order is to be so shipped, deduct 20 per cent (one fifth) from catalog prices.

(b.) When plants are to be shipped outside the Local Zone, as above, and the charges are to be prepaid, add 10 per cent (one tenth) to catalog prices. Otherwise we will have to ship "charges collect." When plants are to be shipped by mail outside the "Local Zone" this ten per cent must be added. Otherwise we will use our judgment, either shipping express collect or hold order for postage.

In 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. We cannot fill orders under 50c. Such orders are a positive loss to us. Should you want a special plant amounting to less than that, add ten cents extra.

2.—TERMS—Cash with order. Remit in any safe way. Post Office Money Order on Oneco, bank draft, Express Order, or currency by registered mail. Foreigners may remit by International Post Office Order on Bradenton, Florida, or by bank Exchange. We always send receipt for money.

3.—CLUB ORDERS—To those getting up Club Orders, we make special terms. After completing the order as per rule 1, the club raiser may select extra plants to the value of ten per cent of the total catalog price. For instance if Mrs. A. gets up an order of which Mrs. B. orders $2.00 worth at list prices, Mrs. B. should deduct $0.20, or $0.20 from Mrs. A.'s order, or Mrs. B. is entitled to $1.80 worth of plants.

In one of our Plant Houses.

C. 3.00, Mrs. D. $1.00, Mrs. E. $5.00, Mrs. F. $3.00, a total of...
Tropical Fruit Plants and Trees

SPECIAL NOTICE—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—summer.

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

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 helium, Surinam cherry, pineapples, bananas, avocados, sugar-apples, 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 of such specimens will provide considerable protection from the damaging effect of the sun's rays.

ACHRAS sapota. ** 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. 1 yr. 25c. $2.50 per doz.

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

ANACARDIUM occidentale. ** Cashew Apple, or Brazilian Cashew. Sub-acid fruits, red, white or yellow, bearing seeds on outside of the fruit. Seeds edible when roasted, and also used for flavoring cakes, etc. 1 yr. seedlings from either Red or Yellow fruits. 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:

Red Spanish. The ordinary commercial sort so largely grown. 10c, 50c 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.


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

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., 2 yr. 25c, $3.50 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 trees, bearing sub-acid fruit of small size, used chiefly for preserving. 1 yr. seedlings 25c, $2.50 per doz.

A. venosum. * Fruits small, dark red. New from Africa. 50c.

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

A. integra. * The famous Jack Fruit Tree. A very tender tropical tree, somewhat the same in appearance as the Breadfruit. Does well in the Tropics generally. Fine young stock. $1.00 per doz.

AVERROA carambola. ** The Carambola of India. Leaves evergreen and compound; fruit five angled, about 3 to 5 inches long, quite acid, used cooked. 25c, $2.50 per doz.

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., $25.00 per 100.

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

CARISIA hispina (arduina). * and ** Anamalanga, of Natal. Fruit is well liked, and handsome in appearance; about 3½ inches long, scarlet. Seedlings, 2 yr. 25c, $2.50 per doz.

CARYOPHYLLUS jambos. * (Eugenia jambos) Rose Apple. A good-sized tree with handsome appearance. Fruits medium-sized, rose-flavored, crisp and delicious when fresh. Makes fine preserves, etc. 1 yr. 15c, $1.50 per doz.; 2 yr. 25c, $2.50 per doz.; 3 yr. 25c, $3.50 per doz.

CASIMIROA edulis. * * White Sapota, of Mexico. A very promising new fruit tree which has borne well in South Florida, and is harder than most tropical trees. 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, 3 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 the fig, minute seeds; sweet. **Dioecious.** Seedling plants, 1 yr. 25c, $2.50 per doz.

**CHRYSOBOLANUS icaco.** **Cocoa-plum of Florida and the West Indies.** Evergreen, shrubby; fruits pink and white. 25c. $2.50 per doz.

**CHRYSOPHYLLUM canito.** **Star Apple.** Good-sized tree; fruits 2 1/2 to 3 inches in diameter. The foliage broad and very handsome, with a brown under-surface. 35c, $3.50 per doz.

**Copernicia monopyrenum.** **Satin Leaf of extreme South Florida,** a beautiful tree, with purple fruit, sweet and dry. 35c, $3.50 per doz.

**Coccolobis uvifera.** **Seagrape or Shoregrape** of 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 spires like currants, ripening in September, and from which a fine jelly is made. 1 yr. 25c, $2.50 per doz.

**Dimocarpus longan.** **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 or graft the famous Litchi, a near relative. 3 yr. 25c, $2.50 per doz.

**Dovyalis caffra.** **Kal-apple of South Africa.** Acid fruits used in preserves. 35c.

**D. hebecarpa.** (D. gardineri) **If frosted down, comes up and bears same year.** Fruit tastes like the cranberry. 1 yr. 25c.

**Eugenia operculata.** **Splendid evergreen tree from Ceylon and India.** Fruit pot first-class, but of interest; timber valuable. New. $1.00.

**E. 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., 13.00 per 100.

**Black Fruited Surinam Cherry.** Similar to preceding, except in color of the fruit. Seedlings only. 2 yr. 35c, $2.50 per doz.; 3 yr. 50c.

**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.

**G. caruza.** **Jagon,** of Cuba. Fruit size of a peach; pulp whitish. A tree of 20 to 30 feet. New. 50c, $5.00 per doz.

View showing small part of our plant houses; the most distant house is an acre devoted to tropical fruit tree experiments.
GREWIA denticulata. * * From India. Tree resembles the mulberry; fruit small and acid. $1.50.

LUCUMA rivicosa. * * Egg Fruit of West Indies. A strong fruit for the tropics; small to medium size, rather dry, but fine; tasty, much like a sweetened hard-boiled egg. Seedlings, 1 yr., 25c. $2.50 per doz.

BENJAMINA terfoliata. * * Queensland Nut. A very valuable nut tree for the tropics. Tree of slow growth. Nuts something like almonds, very good and even rich. $1.50 per 50c.

MALPIGHIA 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 large fruits 3 to 6 inches in diameter. Does well in extreme South Florida. 50c.

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 introduce these in Florida, beginning in 1887. Our stock is probably the largest in Florida. All sorts named are East Indian varieties of exceptional value, almost entirely devoid of fibre. These should be planted everywhere in Florida, and all the crops (except in the Louisiana peninsula) in Florida in protected spots or else protected artificially with cloth or lath, so that they may be grown for home use. In places where frost is unusual, the young trees may be brought with soil for a foot or more, and by cutting through the roots of trees or cane or cane stalks be placed about them in winter for the first 2 or 3 years, then cut back into the soil and when the tops will be their own protection. Nothing compares with the improved mango for table use, and only a great deal of trouble to grow, as grafted stock bears early and abundantly.

The lover of mangoes who lives in a frosty locality in Florida may enjoy home-grown fruit by making a simple framework (posts and light scavenged branches or large trees either in the open, or against a building, and covering with any cheap cloth during the winter months.

Fire blight 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 well protected.

Mango fruit is delicious sliced like peaches for dessert; the fruit may be cut around on the 'edge' and sliced or quartered in some of the best sorts as Mulgoa, Haden, Cambodian, Rajpuri, Gordon, Langra Benarsi, Tottafari, Paheri, Bengali, etc., and the pulp spread with a spoon from the center, leaving the skins, as one does in eating grapefruit; mangos are also used in a number of ways cooked—preserved, canned, marmalade, clotted cream, pickled, etc.

Our plants are all inarching (or grafted) on pot grown 2-year-old or larger, 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. We make out to grow the planters are sure to get growth from every one.

Prices of all sorts (except where noted):

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<td>10 to 16 inches</td>
<td>$1.50</td>
<td>16.00</td>
<td>50c.</td>
</tr>
<tr>
<td>B</td>
<td>18 to 24 inches</td>
<td>1.75</td>
<td>15.00</td>
<td>100c.</td>
</tr>
<tr>
<td>C</td>
<td>24 to 36 inches</td>
<td>2.00</td>
<td>20.00</td>
<td>200c.</td>
</tr>
<tr>
<td>D</td>
<td>36 inches+</td>
<td>2.50</td>
<td>25.00</td>
<td>500c.</td>
</tr>
</tbody>
</table>

Note discounts on page 4, paragraph 1, of this catalogue.

Amlin. General form long, about 6½ inches, some umbilicus medium; foliage yellow and red. Flesh meaty, tender, juicy and sweet.

Arabnuth. Imported by us direct from India. This fruit we received 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 introduced in Florida. Medium-sized; finely colored; very fine flavor.

Bombay Yellow. One of the celebrated mangos of India. Possibly may be as same as Peters.

Cambodian. 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 greenish 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.

Golan. Our importation from Saharanpur, India, named in honor as known 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. Fruit of the past season. A medium-sized fruit resembling Arbuthnot in flavor.

Haden. A fine variety originated by the late Capt. Haden, at Cocanot Grove, Fla., from seed of Mulgoa. Has high color, clear yellow and with a brilliant red cheek; quality similar to the parent, with promise of being more prolific. Very popular in Florida, if properly handled. This is a superior to Mulgoa in all respects.

Langra Benarsi. One of our introductions from India, which bore in 1910 for the first time. Promises to be very prolific and a strong grower. The fruit is the largest we have ever seen, weighing up to 3 lbs. 6 oz. each! Very little fibre, flavor rich and juicy; color of skin yellow or greenish-yellow, $2.50, $25.00 per doz.

Mulgoa. Large, very fine fruit, deliciously colored, devoid of fibre, resembling the best 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 fruiting in 1913 for the first time in Florida. One of the finest sorts grown in India. General form is roundish, about 3% by 3% in. 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. Supposed to be one of the famous Bombay mangos. Rather late ripening; medium size; very rich red color; spicy, prolific.

Rajpuri. Average 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.

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

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, covered with black spots; mottled, thick and strong, with a grayish-blue bloom, clean and free from blemish. 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.

**Seedling Mangos** from **Eleanor type** 1 yr. 25c, $3.50 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.

**Seedlings, mixed**. 1 yr. 25c, $2.00 per doz.

**MELICOCCUS bijugatus**. *** * Ginip, or Spanish Lime. A good sized tree with queer leaves, making an excellent street tree. The fruit varies in quality from sweet to subacid, 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 * * Gourman. An arid plant with enormous perfumed 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 aromas and flavor. $1.00.

**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 plantings. Write us in the spring, stating number required, and we may be able to make special low prices.

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

**Hart's Choice, or Lady-Finger.** * * One of the most popular sorts, and the most valuable for Florida plantings. 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.

**Oro Novo.** * 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.

**PASSIFLORE laurifolia.** * * The Water Lemon of Trinidad. A vine of beauty and utility; the fruit is freely used in fish, etc. 25c, $2.50 per doz.

**PERSEA americana.** * * Avocado or **Avocado Pear.** The most valuable fruit on the American market. Sayaca 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 dozen.

**Family.** Fruit medium to large: cavity small; color yellowish green, marbled and marbled with purple; skin very tender. The fruit ripens over a period of eight to ten weeks, commencing fairly early in summer, and ripening 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.

**Pollock.** 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 each. Seedlings, 1 yr. 50c, $5.00 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 one frostless winter. The fruit is always borne in enormous quantity, and varies in size, color, acidness, sweetness and seediness, our aim being to propagate from the very finest types we can secure, and to only offer the best. We grow many hundred 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 work is not 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 fruit is usually sent to a lot of sweet guavas makes a fine jelly combination. 3 yr. old. 50c.

**P. friedrichstalham.** A very acid guava from Costa Rica. Fruits round, thick seeded. 50c, $3.50 per doz.
P. guajava. * and ** The common guava. Fruits are variable in size and shape, sweet, sub-acid and very large 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. Seed 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.

* Allahabad Seedlings. From India, season 1913. 15c, $1.50 doz.

** Brazilian. Fruit very sweet, mostly white and free from an excess of seeds. 25c, $2.50 per doz.

** Guinean. In both white and pink fleshed forms. Very large fruits (sometimes 1/2 of a pound), exceedingly thick meated and freest of seeds. Good for pickling. Sweet. 2 yr. 15c, $1.50 per doz.; 3 yr., 25c, $2.50 per doz.

* P. cherimola. 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 very best. This is fine for dessert and for canning. Strong. 2 yr., 15c, $1.50 per doz.; 3 yr., $2.00 per doz., $15.00 per 100; 5 yr., $3.50 per doz., $50.00 per 1000; 10 yr., $7.00 per doz., $70.00 per 1000; 15 yr., $10.00 per doz., $100.00 per 1000; 20 yr., $15.00 per doz., $150.00 per 1000; 25 yr., $20.00 per doz., $200.00 per 1000; 30 yr., $25.00 per doz., $250.00 per 1000.

Red Fleshed, from India. Season 1913. 15c, $1.50 per doz. See page 16.

* Smooth Green. From India. Season of 1913. 15c, $1.50 per doz.

** Sour. A lot of plants from the most desirable acid guavas, especially suitable for jelly-making and preserves. Prices as for "Sweet." See page 16.

Strawberry, from India. Season 1913. 25c, $2.50 per doz. See page 16.

* Seed 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 1000; 2 yr., 15c, $1.50 per doz., $10.00 per 100, $90.00 per 1000; 3 yr., 25c, $2.00 per doz., $15.00 per 100, $125.00 per 1000.

** For Hardy Guavas see page 16.

** Rheedia aristata. * A choice and rare tree of Isle of Pines, resembling a holly, growing up to 50 ft. Fruit of questionable value. Resin medicinal. New. 5c, $0.50 per doz.

** Rh. madrono. * One of the finest fruits of Central Colombia, recently introduced by us. Very rare. $1.00.

** Rubus ellipticus (flavus) *** An Indian Raspberry of gigantic size, canes 1 1/2 inches in diameter not being uncommon. Fruit very good. Must be grown in frost-free location. 25c, $2.50 per doz.

** Spondias cythera (dulcis). ** Otaheite Apple. A large tree, very tender, producing plum-like fruits 3 inches long, of a peculiar flavor. Young stock 50c, $0.50 per doz.

** Strychnos 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, $0.50 per doz.

** Syzygium cuminii. * "Java Plum." An East Indian fruit tree related to the rose-apple. Fruits like peaches, 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 making a delicious drink. Small, 15c, $1.50 per doz. Larger, 25c, $2.50 doz.

** Terminalia catappa. * *** The so-called "Tropical Almond." With its flat stages of large, smooth leaves and oily, edible seeds in an almond-like husk, it is not imported 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. Extra large 50c.

** T. edulis. * A large tree with fruit larger than a cherry, dark red, fleshy, sub-acid. New. $1.00.

** Tetragyna ambigua harmandi. *** A tall-growing woody vine from Cochín China, which bears enormous quantities of fruit resembling a Scuppernong grape. New. 75c.

** Vangueria madagascariensis (edulis) carinatis (sawange). * A large-leaved shrub; fruit contains a brown pulp when dead ripe. 35c, $3.50 per doz.

** View of Mango Trees in Acre House.

** FOREIGN TESTIMONIALS.**

Hawaiian Islands, Hilo, Hawaii.—"The palms I received last year traveled over three thousand miles (and were over two weeks en route before they reached me), and were in such perfect condition that had they been packed and shipped in the morning and reached me in the afternoon on the same day they could not have been in more perfect condition. It was certainly a surprise to me. As plant inspector it falls to my lot to inspect all plants coming to this port. I see much good and much bad packing of plants for shipment, but have never come across such perfect work."

Brother M. Newell.

England: "Cathers," Gorseley, Newent, Glos.—"I have to-day received the plants you sent. They came perfectly, and are as fresh as if they had been packed yesterday. I am very much pleased with them, and think you have been very liberal in filling the order."

Mrs. Apsley Smith.

Costa Rica: Cartago, June, 1914.—"Received the trees I had ordered from you and am satisfied with them."

Herman F. Kruse.

Hawaiian Islands: Honolulu, April, 1914.—"The plants came in good condition, and I set them out today. I blasted the holes as our soil is rather shallow and und undrained with hardpan. Am much obliged for your promptness."

Harry Roberts.
Semi-Tropical and Temperate Fruit Trees and Plants

SPECIAL NOTICE—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, if of sufficient age. See page four, paragraph one, for discounts.

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.

CITRUS SECTION

Citrus Nursery Trees as we grow them.

The growing of orange, lemon, grapefruit, etc., is one of our oldest and most important specialties, millions of trees having been raised during the past 31 years, and we are keeping up with the times in offering the very best sorts, as well as first-class trees in quantity.

Our nurseries for citrus stock are on high sandy soil, insuring good roots.

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.
Royal Palm Nurseries, Oneco, Florida

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, but we sometimes hold stock until later and will agree to do so until February 15th, provided 25 per cent of the purchase price is paid down with order, the balance to be paid at time of ordering out the trees.

GRAPEFRUIT or Pomelo.* * E. (Citrus grandis.) The growth of the grapefruit industry has proven a wonder of modern enterprise. Starting about 25 years ago, the Florida product has reached an output of perhaps two and a half million boxes for season of 1914-15, bringing for many years a fabulous price, and promising to remain a sound investment. Florida alone of the United States can produce first-class grapefruit. 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; Pernambuco, 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 father of the original branch. Prices are as follows, (except on Foster) for fine trees grown on the various stocks:

<table>
<thead>
<tr>
<th>Height</th>
<th>Each.</th>
<th>Per Doz.</th>
<th>Per 100.</th>
<th>Per 1,000.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 2 ft.</td>
<td>$ .65</td>
<td>$ 6.50</td>
<td>$ 50.00</td>
<td>$ 450.00</td>
</tr>
<tr>
<td>2 to 3 ft.</td>
<td>.75</td>
<td>7.50</td>
<td>60.00</td>
<td>500.00</td>
</tr>
<tr>
<td>3 to 4 ft.</td>
<td>1.00</td>
<td>10.00</td>
<td>75.00</td>
<td>625.00</td>
</tr>
<tr>
<td>4 to 5 ft.</td>
<td>1.25</td>
<td>12.50</td>
<td>90.00</td>
<td>800.00</td>
</tr>
<tr>
<td>5 to 7 ft.</td>
<td>1.50</td>
<td>15.00</td>
<td>110.00</td>
<td>1,000.00</td>
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</tbody>
</table>

*Do not overlook discounts on page 4, paragraph 1.*

Price of FOSTER trees for this season, on grapefruit, sour orange and rough lemon roots, is $3.50 each, subject to usual discounts and terms as per page 4. Trees will be strong and vigorous 1 yr. old buds on 3 yr. old roots, mostly from 3½ to 5 ft. high in the nursery, but must be cut back to about 2 ft. high, and leaves removed. (All citrus trees must be defoliated in Florida shipments, by order of the State Inspector of Nurseries). Varieties follow alphabetically:

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. 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 cut on page 12, showing it accurately. The quality is all one can ask for, simply unsurpassed 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-of-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 to a clear translucent color at the core; there is very little pulp."


"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. Fruit sent to the American Pomological Society in November, 1913, were given "Honorable Mention" in the new fruits for first time—a signal honor.

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

THE KUMQUAT (Citrus japonica). * * E. 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, 25c, 50c, 75c and $1.00 each. (Trees are bushy and cannot be graded with standard citrus trees.)

THE LEMON (Citrus limonia). * * * E. Of the many excellent commercial lemons we have the following two sorts in stock, at same prices as on the oranges.

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.

THE LIME (Citrus aurantiifolia). * * E. 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, standing almost as much cold as an orange 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 are the same as for grapefruit.

Mexican, or Key. 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, the bulk of the fruit ripening from June to September. Seedlings, 2 yr. 25c, $2.50 per doz., $15.00 per 100.

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. Ripens mainly September to December. 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. Fruit season, October to March. On rough lemon, and sour orange.

Tahiti. A very strong grower. The fruits are as large as ordinary lemons, very smooth and almost seedless. Season usually September to December. 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, ripening mainly in the hot season; June to September. On rough lemon and pomelo.

THE MANDARIN. (Citrus deliciosa). * * E. All in this group have usually flattened fruit, with fruit segments and skin loosely adherent; sometimes called "kid glover" oranges. Prices the same as on grapefruit trees.

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

King. A large rough-skinned fruit ripening in spring and holding well until May. On rough lemon.

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.

THE ORANGE. (Citrus sinensis). * * E. With the perfecting of the methods of handling fruit by the Florida Citrus Exchange, orange growing has taken on new life and prosperity, and bids fair to more than hold its own as a business for Florida. We only offer the cream of the many kinds which all grow to perfection in Florida, at following prices, except where noted:

13
Height. Per doz. Per 100. Per 1,000.
1 to 2 ft. $ .60 $ 6.00 $ 60.00
2 to 3 ft. .55 5.50 55.00
3 to 4 ft. .70 7.00 70.00
4 to 5 ft. 1.00 10.00 100.00
5 to 7 ft. 1.50 15.00 150.00
Extra heavy, 2 yr. and 3 yr. budded trees 2.00

For discounts see page 4, paragraph 1.

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


Lue Gim Gong. "A late round orange of unusual merit," originating at DeLand, Florida. The fruit is of the 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:

<table>
<thead>
<tr>
<th>Height</th>
<th>Each</th>
<th>Per doz.</th>
<th>Per 100.</th>
<th>Per 1,000.</th>
</tr>
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<tbody>
<tr>
<td>1 to 2 ft.</td>
<td>.60</td>
<td>6.00</td>
<td>60.00</td>
<td>600.00</td>
</tr>
<tr>
<td>2 to 3 ft.</td>
<td>.55</td>
<td>5.50</td>
<td>55.00</td>
<td>550.00</td>
</tr>
<tr>
<td>3 to 4 ft.</td>
<td>.70</td>
<td>7.00</td>
<td>70.00</td>
<td>700.00</td>
</tr>
<tr>
<td>4 to 5 ft.</td>
<td>1.00</td>
<td>10.00</td>
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<td>5 to 7 ft.</td>
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Majorca. One of the finest Mediterranean sorts, seedless, and a good bearer. Tree thornless. Mid-season to later. On rough lemon.


Pineapple. A distinctionly 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 January 10th to February 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.


Tangerina. 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 the 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.

TANGIERINE, see Mandarin, page 13.

TANZEL RO. * E. Sampson Tanzelo, a hybrid between a Tangierine and Pomelo, of delicious flavor. A very fine bitter fruit that will appear in the markets soon. The skin is smooth and pulp delicate and tender; sizes run from 80 to 126 per box on an average. Prices on sour orange and rough lemon stock same as for grapefruit.

CALAMONDIN. * E. (Citrus mitis). A small citrus tree rarely over 15 to 18 feet in height, from the Philippines, proved quite hardy here, and exceedingly prolific, bearing one or more crops per year. The fruit is small, round, or oblate, about an inch thick, (or like the Mexican lime), very fragrant, and fine for summer drinks, or for marmalade. Much more hardy than any lime. We recommend it for the upper citrus growing areas of our state. 1 yr. seedlings, 25c, $2.50 per doz., $18.00 per 100.

AMYGDALUS persica. D. The Peach. The only choicest hybrid peaches now grown in Florida, mostly from the Chinese peach parentage, have come to the front in market value. They are so rich and luscious in quality that their culture is spreading further west and north. The varieties we offer are the best grown, and when propagated on our native plum by root-grafting, these fruits from root-grafted trees living out their natural life, of 15 to 25 years. The fruit on such trees is large, fine and free from insects and diseases. 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 deep 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: 1-4 ft. 25c, $2.50 per doz., $25.00 per 100; 4-6 ft. 35c, $3.50 per doz., $35.00 per 100.

Write for rates on trees for December, 1915.


Hall's Yellow. A late-ripening freestone, ma-
turing in late June or early July. The fruit is large, roundish to oblong, bright 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, good quality, ripens in mid-September.

Waldo. Similar to Jewell, but a trifle larger, and later to ripen. First class.

In addition to above, we can supply the following four varieties on peach roots. Prices, 2 to 3 ft. 20c, $1.50 per doz.; 4 to 6 ft. 30c, $3.00 per doz., 25c per 100.

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

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 streaked borer. This is under control in February and dig out the borers from the trunk, from ground up, then paint wounds over with carbolic acid. Astringent until ripe, then very large, quality finest and largest, and most esteemed of the Japanese varieties.

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

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

Tans-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.

Tamopau. 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; 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 latifolia, * E. (B. Simoni.) Simon's Oleaster. This is a very graceful shrub, bearing scarlet fruits, something like cranberries, and very useful for making a hedge. 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. 25c, $2.50 per doz.; 2-3 ft. 35c, $3.50 per doz.; 3-4 ft. 50c, $5.00 per doz.

* FELLOA 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 green color, keeping for weeks after being gathered in the autumn, and is acid, like all. Seeds so small as to be unnoticed. Size of fruit 1 to 2 inches. The 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 advantage around fig trees. Price of all sorts. 1 to 2 ft. 20c, $2.00 per doz.; 2-3 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, and its small fruit, brownish yellow, borne in profusion. Very hardy.

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

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 industry 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 in good supply. Price of 1 doz. 2 to 3 ft. (unmailable) 85c, $1.00 per doz., 80c per 100; 4 to 5 ft. $1.50, $1.75 per doz., $1.40 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.


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

* MURUS alba. * D. The MULBERRY. Very useful trees for shade, and bearing enormous quantities of fruits, exceedingly useful for feeding poultry and swine. * (For feeding see Sapum semen berberis in Department III.) Prices of Mulberry trees. 2 to 3 ft. 20c, $2.00 per doz.; 4 to 5 ft. 30c, $3.00 per doz.; 6 to 8 ft. $5.00 per doz.

*English. The latest of all to ripen; an excellent variety.

*French. The earliest of these four to ripen, coming very early and lasting several weeks.

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

*Subbie. Degustate the best we have seen. Tree large; fruit extra large and fine, borne very plentifully. The fruit is the best for canning for the market, or any culinary use or eating out of hand. Medium early.
OFUNTIA ficus-indica. * * E. Indian Fig Cactus. This grows sturdily upright and very large, heavy sections, and bears fruit about three inches long; the pulp color of this has no large thorns and is practically spineless. It is liked by many. Large cuttings 36c, $3.00 per dozen. Hoe prices per doz. $5.00, $10.00, $20.00.

O. native species. * * E. Tunu 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 shorn off, 15c, $1.00 per dozen.

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 pollination from each of all native or common, wild plums available and grow closely with any of the choice varieties. A current favorite in the South is the more successful of Excelsior and Howe, which bears heavily. The following four sorts are best adapted to South Florida, and may be grown and grown on at these prices. 4 to 6 ft. high, $35c, $5.00 per doz. $27.00 per 100.

Howe. Fruit large, fair size, about 1¾ inches in diameter, color reddish-purple. Quality first-class. All sorts ripen in June here.

McRee. A new hybrid originated near Lake City, Florida, bearing large, fair size, vigorous annual bearer. Fruit of medium size, 1¾ to 1½ inches in diameter, yellow in color, and quite heavy. An early bearer.

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 peninsula Florida):

Abundance, Burhank, Kelsey, Hickson. Redline Plums of common sorts, 10c to 25c each.

Chickasaw. A native small red plum, very acid; large; used for preserving and making fine fruit, which should be grown by everyone in South Florida. It bears well, on even isolated trees, for $1.00 per doz.

Psidium cattleyanum. * * E. The CATTLEY GAUA. A vigorous evergreen shrub standing heavy fruits of large size. Fruit small, averaging about an inch in diameter; borne in enormous masses, ripening in August, September, and October. Fruit is juicy, and allay very good in many ways. A fine plant also of especial value for making hedges in South Florida, as it can stand salt air, and is a good plant to use for the purpose.

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

Common Smyrna, and Spanish Ruby. PYRUS communis. * E. The PEAK. 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 the South, and is very 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 exception-ally free from blight. The fruit is large, heavy and a regular producer. Size large, with fine color; quality the best yet grown of this type. Fruit matures in October, 10c, $1.00 per doz.; 5 to 6 ft., 65c, $6.50 per doz.

Keifer. Large, hard fruits, ripening late and slowly. Of value for cooking. Le Conte. Ripening here in July and August. Fruit small to medium, pale yellow, juicy and good. Must be ripened off the tree.

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

PYRUS cuneifolius. * D. Our native BLACK BERRY. A good strain of fine sized fruit. 10c, $1.00 per doz., $6.00 per hundred.

PYRUS insititia. E. Our native BLACK BERRY. Resembles the Dewberry in growth. Fruit purplish in color, good sized and of exquisite flavor. Set 3 to 8 feet apart and train on trellises or four feet high. 20c, $2.00 per doz., $15.00 per hundred.

R. triliius. E. The MANATEE DEWBERRY. A delicious black fruit of great value. 10c, $5c per doz., $5.00 per hundred.

VITIS rotundifolia. * D. The MUSCADINE GRAPE. A veryvigorous 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 3 to 10 feet apart and train early on arbors 7 ft. high. Make arbors of best material so that they will be permanent structures for the fruit. Prune 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 pollinon from the male muscadines 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. Rotme, 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 wine. The writer knows of no reason why this should not become an important industry in the South, giving the grape grower a new and large source of income. Wine is not expected to yield from 3 to 4½ gallons of juice.

Male Vines. To pollinate the bearing varieties.

Prices as above.

Flowers. Of medium size, black, ripens very late, after all others are gone. Sweet; tough-skinned. Price of Flowers, James Mih and Scuppernong, 20c, $2.50 per doz., $15.00 per hundred.

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

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

Scuppernong. One of the finest of the old Prof. Munson's hybrids. Fruit a clear translucent red; very sweet, rather coarse but excellent for cooking. Bears when other kinds are barren.

This grape ripens here in July and August. Fruit small to medium, pale yellow, juicy and good. Must be ripened off the tree.
Economical, Medicinal and Useful Trees and Plants

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

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.

ACACIA farnesiana. * * E. T. Popinac or Oppo-popanoz. The fragrant flowers used for perfume. 15c, $1.50 per doz.

A. scorpioides. ** E. T. Gum-Arabic Acacia. 35c.


AGAVE 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. ** * 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.

BICHEA acuminata (Kola acuminata). ** * E. T. The Kola Nut Tree, furnishing the Kola of commerce. 50c.

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.

View in one of our Slat Houses. All Plants are Potted.
CAESALPINIA coriaria. ** E. T. The Divi- 
Divi, from west shore of Central America. 
Regarded as producing the most powerful and 
quickly acting toning material known. 45c, $1.50 per 
dozen.
C. sappan, ** E. T. An East Indian tree; pin-
mate leaves, flowers yellow; furnishes Sappan 
wood and dye. 1 yr. 25c, $2.50 per dozen.
C. sepulchral, ** 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.
CATHAYAN odora. ** E. T. The world-fa-
mous Yang Yang from the Philippines. The 
flowers are very highly perfumed. $1.50.
CASTLAINA elastica. ** E. T. The famed Rub-
ber Tree of Mexico. Perhaps the best rubber-
producer for large plantations. We have a nice 
stock of pot-grown trees. 35c, $3.50 per dozen.
CEDRELIA odorata. ** E. T. Cedar of Jamai-
can and South America, where it furnishes most 
valuable lumber. Makes a fine shade tree of quick 
growth. 25c, $2.50 per dozen.
CEIBA pentandra. (Eriodendron anfractusum.) 
** 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 dozen.
CINNAMOMUM camphora. ** E. T. The Cam-
phor Tree. Exceedingly valuable for Florida and 
the Gulf Coast for gum production and shade. 
Grows well on light, sandy soil. For gum pro-
duction set preferably 6 to 8 ft. apart in rows 12 
to 15 feet 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 suit-
able 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 dozen, $7.00 per 100; 2 yr. 25c, $2.50 
per dozen, $18.00 per 100; 3 yr. 35c, $3.50 per dozen, 
$25.00 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 dozen, $22.00 per 100; 3 to 4 ft., very 
stocky and bushy, 50c, $5.00 per dozen; $38.00 per 
100; 4 to 5 ft., 75c, $7.50 per dozen; 5 to 7 ft., $1.00.
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 Cinn-
amon bark (not the true article), cassia buds, 
cassia oil, etc. Very valuable for Florida. Fine 
pot-grown stock. 2 yr. 15c, $1.50 per dozen; 3 yr. 
25c, $2.50 per dozen; 4 yr. 35c, $3.50 per dozen. From 
open ground. 2 to 3 feet. 10c, $1.00 per dozen.
COFFEE arabica. ** E. T. Arabian or Com-
mercial Coffee. Our stock is grown from the Blue 
Mountain strain of Jamaica. A fine decorative 
plant; handsome foliage, resembling the chest-
nut; flowers white like Jessamine. 2 yr. 25c, 
$2.50 per dozen; large at 50c, $5.00 per dozen.
C. liberica. ** E. T. Liberian Coffee. This 
has large glossy leaves; very handsome. Coffee 
strong and rich. Pot-grown. 2 yr. 25c, $2.50 per 
dozen. Large trees 75c and $1.00.
C. robusta. ** E. T. A wonderful improve-
ment over C. arabica in point of vigor, prolific 
fruiting and freedom from diseases. 1 yr. 15c, 
$1.50 per dozen.

Chinese Cinnamon Trees, with a pair of stately Acrocomia total, near our Packing House.
C. zanzibarensis. ** E.S. A new and rare species. Leaves very small. 35c to 75c.

COLOCASIA sp. ** S. Dasheen of Trinidad, etc. A hardy food plant (like potatoes) growing in wet rich soil of Florida to perfection. 10c, $1.00 per doz.

CRESCENTIA cujete. ** E.T. Calabash Tree, one of the warty fruits of which are made bottles, dippers, etc. A large tree with curious foliage. 25c, $2.50 per doz.

CYMBOPOGON citratus. ** 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 quantity. 15c, $1.00 doz.

ERYTHROXYLUM coca. ** E.S. This furnishes the famous coca leaves, chewed by natives of South America for stimulation, and the extract of the pericarp.

EUCALYPTUS. ** E.T. A valuable genus of forest trees now in the public eye, being 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 species are grown for food oils. For forests 6 to 12 ft., each way. We offer some of the very best adapted to Florida conditions, all planted in 15c, $1.50 per doz., and may be set out when weather conditions suit, especially in summer.

F. pseudocedrus. The Lemon Gum. A species with very highly scented foliage. 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 15c, $1.50 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. 15c, $1.50 per doz. Extra strong, 25c.

E. rostrata. "Red Gum." This is found in more places than any other Eucalypt in Florida, and the peculiarly 35c, $2.50, the 50c, $2.50. It is unusually hardy. 15c, $1.50 per doz.

E. rudis. The Flooded Gum. This may be planted in the flood plain to immediate advantage, and promises to be fairly hardy. 15c, $1.50 per doz.

E. teretis. 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. 15c, $1.50 per doz. Extra strong, 25c.

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 trees are cultivated. Prefers dry soil. 15c, $1.50 per doz. Extra strong, 25c.

FIGUS 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.

GERANIUM semprevirens. E.V. The Carolina Yellow Jasmine. A valuable medicinal plant, and splendid winter-flowering vine. Beautiful, yellow, bell-shaped flowers, exquisitely perfumed. 15c, $1.50 per doz.

HEMATOXYLON campechianum. ** D.T. The Logwood Tree of Mexico. A beautiful tree with delicate foliage, of slow growth. 25c, $2.50 per doz.

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

INGA laurina. ** E.T. Guama of Porto Rico, etc. Medium sized tree suitable for street planting and for shading cacao, coffee and other tropical crops. 2 yr., 50c.

LAWSONIA inermis. ** S. The famous Hen-na Bush of the Orient. Also known as the Cam- phire of Solomon. Aside from its use as a con- incite, 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. Nice plants 25c, $2.50 per doz.

MORANTA arundinacea. ** D.S. Bermuda Ar- row-root plant. Easily grown, the roots should be produced in Florida more largely. 15c, $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 oleifera. ** 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.

PARTRIUM tilacenum. ** E.T. (Hibiscus tilac- eus). The Enajagua 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. 50c, 50c and 75c.

PARKIA timoriana. ** D.T. Cupang of the Philippines. A large ornamental tree with feathery foliage and large pods, which are fed to cattle. Seeds used as a substitute for coffee. 35c, $1.00.

PIPYHECOLOBIUM 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.; 5 yr., 50c per doz. It is growing near Oneco. It is unusually hardy. 15c, $1.50 per doz.

SANSEVIERIA guineensis. ** B.S. African Bow-String Hemp. A quick-growing and valuable plant. Leaves are long and sword-shaped, mottled a greenish white. This and following species are undoubtedly the toughest plants known, and may be used for decorative subjects. They live in water, or dry soil, for weeks, and in dark rooms for months without attention! Fine plants 15c, $1.00 per doz. Large and fine, 25c, $2.50 per doz. Ask for prices on large quan- tities of both species.

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

SAPINDUS mukrossi. ** E.T. The Soap-berry tree. Said to be the most valuable sort for Flor- ida, and likely to be planted extensively. 15c, $3.50 per doz.; 2 yr., 25c; 3 yr., $5.00 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 com- mercially valuable. 3 to 6 ft., 50c.

STILLINGIA siderebra. (Sapinum siderebra). ** D.T. The Tallow Tree. A great shade tree, resembling a poplar in foliage; which turns brilli- ant colors in autumn. Well worth planting as a shade tree extensively 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. From open ground, 2 to 3 ft., 50c, $2.00 per doz.; 3 to 4 ft. 25c, $2.50 per doz.; 4 to 5 ft. heavy grade. 35c, $5.00 per doz.; 7 to 9 ft. $1.00, $10.00 per doz.
SWEITENIA mahagoni. * * E. T. The Mahogany Tree. Famous for its fine wood. Leaves compound; flowers blue. 50c.

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

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

** SWITENIA mahagoni. * * E. T. The Mahogany Tree. Famous for its fine wood. Leaves compound; flowers blue. 50c.

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

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

** SPECIAL NOTICE—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 recommend the fall.

** 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 injury. *** Tropical species, withstandng but light frosts unharmed. Roots will throw up growth, however, if tops are frozen.

** 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 pasture.

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

** ARUNDO donax variiegata. * Gardener's darter. 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 meteke. * (Bambusa Meteke). A very broad-leaved, hardy species, rarely exceeding 10 ft. 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, 85c per doz. Large clumps, 25c and 50c.

** BAMBUSIA argentea. * * A fine Japanese species reaching a possible height of 25 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 bamboos. Single canes rooted. 15c, $1.25 per doz., $8.00 per 100. Clumps 25c to $5.00 each.

** B. argentea striata. * * Like the preceding, but has foliage striped with white, especially noticeable during early growth. Grows even larger and more vigorously than the type. Single canes, rooted. 15c, $1.50 per doz., $10 per 100. Clumps 25c to $5.00.

** B. alphonse karri. * * A large grower much like the preceding species, but with yellow variegated stems. 35c to 75c.

** B. arundinacea (spinosissima). * * * This is an East Indian sort with thorny growth along the stems and branches. It makes very graceful, gigantic clumps, 50 ft. high, with canes 3 in. thick. Can only stand light frosts. Small 25c, $2.50 per doz. Larger 50c.

** B. disticha. * * 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, 15c, $1.50 per doz., $10.00 per 100. Clumps 25c to $2.00.

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

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

**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.

**C. natale.** **A new introduction of ours (1914).** Nice plants, 15c, $1.50 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. Small, 25c, $2.50 per doz. Large $1.00 to $2.00.**

**MISCANTHUS japonicus variegatus.** *A striped foliage grass, with pretty panicles of bloom, reaching a height of 4 to 6 feet. 25c.*

**M. japonicus zebrinus.** *Zebra Grass.** Forms small clumps of a total height of about 6 feet, leaves striped crosswise with white. 25c.

**BRIANTHUS ravenae.** **A large plume grass, something like the Pampas Grass. Clumps 25c.**

**PANICUM molle.** **Para Grass.** One of the greatest ornamental 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.

**P. palmifolium.** (P. excurrens.) **Grand, broad-leaved grass, resembling a palm in the young stage. In fact, commonly called Palm Grass.** The leaves are 4 to 6 inches 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. 25c and 25c.

**PHYLOSTACHYS aurea.** (Bambusa aurea.) Very hardy species with underground running

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Bambusa argentea striata in our Grounds. 21
stems which throw up canes irregularly. Unless confined it makes a straggling appearance. Fine for tubs or for old 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.

**STENOTAPHRUM** secundatum. **S.** St. Augus-
tine 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.** **S.** 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.

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**FOREIGN TESTIMONIALS.**

_South Sea Islands: Papeete, Tahiti, April, 1914._—“Have received caladiums, palms and mango trees in fine condition; all except the Thrinax barbadensis, which was the weakest, are just as nice as if they had never travelled. Will soon send another order.”

_Alex. Drouillet._

_South America: Calilegua, Argentina, Feb., 1914._—“The Citrus trees arrived in fair condition with exception of Dancy Tangerines, only one of which is alive. All the others have started into growth.”

_R. Smith, Loech's Argentine Estates._

_Cuba: San Pedro, Isle of Pines, March, 1914._—“I received your shipment of plants in fine shape. Have planted them, and they seem to be doing nicely. It may be of interest to you to state that of the 35 roses (assorted), 33 are in growth and looking thrifty.”

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**AQUATICS**

_SPECIAL NOTICE—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._

_Explanation of symbols and letters. _Specially adapted for aquariums, or for growth in restricted places. **T.** Tropical species, easily grown anywhere during summer. **S. T.** Sub-Tropical.

_The species of Caladium, Alocasia, 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._

**CYPERUS alternifolius** and C. natalensis; see Department IV.

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

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

**LIMNOCHIRIS** Sava. **S. 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. plumeri._ **S. T.** An erect plant with pale yel-
low flowers of small size. 10c.

**MYRIOPHYLLUM** proserpinaceoides. **T. Par-
rot's Feather or Milfoil. An elegant trailing plant, the stems covered with whorls of very deli-
cete foliage, especially suitable for vases in fountains, etc. 10c, 50c per doz.

**NELUMBO.** **S. H.** (Nelumbium.) A splendid genus of Nymphaeas with very ornamental foliage, which stand 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. nucifera kermisium._ The earliest flowering variety, with rose-pink flowers; quite distinct. $1.50.

_N. lutea._ American Lotus, or Water Chinque-
pin. Yellow flowers. Pine. $1.00.

_N. pekinensis rubrum._ The best dark-colored variety; flowers of a rosy Carmine, very large and handsome. $4.00.

_N. shroman._ The grandest sort of all, with enormous snow-white flowers, exceedingly double and free-blooming. $5.00.

_N. nelumbo._ 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 aquat-
ics, 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. marlakes rosea._ **S. H.** A vigorous, hardy sort, with flowers of a soft pink color. Blooms all summer. $1.00.
N. marliacea chromatellla. **H. A favorite bright yellow species of easy growth. Flowers 4 to 8 inches across. 75c.

N. mexicana. H. (No. flava.) A small flower, pale yellow in color, native in South Florida. 5c., $1.50 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 maxima (tuberosa maxima). **H. The flowers are cup-shaped, pure white with a strong aromatic fragrance. 25c., $2.50 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 richardsoni. **H. A very double flower like a giant snowball, being a perfect globe. Always much admired. 50c.

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

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 rosy pink sepal s. $1.25.

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

N. Mrs. C. W. Ward. T. One of the very finest of the true 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 to 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.

Night Blooming Species:

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

N. rubra (devoniensis). **T. An early hybrid with leaves sometimes 15 inches across; flowers 5 to 10 inches; color pure red, very rich. 75c.

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

P. eckweensis. T. A beautiful companion for N. devoniensis: flowers of a light pink color, freely produced. Flowers 6 to 8 inches across. $1.50.

P. sanguinolenta. T. Arrow-leaved 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 along all 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.

P. stratiotes. *S. T. Water Lettuce. A pretty, floating plant, sometimes 6 to 8 inches across the rosette of velvety leaves. 15c., 5c. per doz.

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

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

S. decipiens. **T. A magnificent native, ornamental bog plant, 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 5 to 10 feet tall. 15c., 75c.

S. tatula (rapidity). **T. A very decorative bog plant well known everywhere. 15c., $1.00 per doz.

**TESTIMONIALS FROM THE SOUTH.**

Warrenton, Ga., Apr., 1914—"The plants reached me in fine condition. They were so well packed they could have gone a much greater distance without injury."

Mrs. W. F. Wilhoit.

Beeville, Texas, March, 1914—"The plants came yesterday, and finer for the price I never saw, especially the Caladiums. Thanks for such promptness."

Mrs. Julia Hutchinson.

Baton Rouge, La., March, 1914—"The shipment of plants received O. K. order. Many thanks for extra camphor tree."  


Roanoke, Virginia, May, 1914—"Your letter and my plants were received yesterday. I am so delighted at the size of them. A Phoenix and a fern that size here would cost $7.00 (they cost Mrs. Baldwin $3.50). I thank you so much for sending such nice plants, and especially for the extra palm, which is lovely. Your plants are so beautifully packed, a leaf withered."

Mrs. W. D. Baldwin.

Sweet-Briar, Va., May, 1914—"For nearly fifty years I have been a collector of Feras, etc., in England, Canada or the U. S., getting them from all over the world, and I know something about plants in consequence. But in all my collection, a new collection is weighing one hundred pounds not wrong until I got yours yesterday! The plants arrived after 800 miles of Railway transportation, simply in perfect condition—so beautifully packed and frankly six times as large as I expected. Kindly hold the small balance, for I certainly shall not try anywhere else for anything you have that I may want. If this letter is of any use to you please use it, for I am not ashamed of my name attached to the truth."

Dr. Geo. E. Walker.
SPECIAL NOTICE—All are pot-grown except some Thuyas in open ground as noted and all may be set out at any time of year.

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.

**ARAUCARIA bidwellii.** 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. Pine plants $2.50 to $5.00.

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. 10 to 15 inches high. $1.00.

A. **excelsa glauca.** Foliage of delicate silvery color, sometimes bluish; very beautiful. 12 to 18 inches high. $2.00.

**CALLITRIS verrucosa.** (C. robusta.) The Cypress-Pine of Australia. A splendid tree for poor sandy ridges in Florida. Thriving thriftily where the spruce pine is native. Reminisces a "cedar" with fine foliage, and low dense growth, tapering up in true cone shape. Nice young stock. 50c. $1.50 per doz.

**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.

**CEDRUS deodara.** The Deodar or Great Cedar of the Himalayas. Foliation somewhat like a pine, blue-green. Prefers a clay sub-soil and perfect drainage. 2 yr. old 25c, $2.50 per doz. Larger, 50c, $5.00 per doz.

**CHAMAECYPARIS lawsoniana.** A very choice California tree allied to Cupressus, with drooping branches, and silvery-green foliage; quite dense in growth. 25c and 50c.

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

C. **gowniana.** Reaches a height of 50 feet, with a broad pyramidal head. $1.00 to $2.00.

C. **lutescens.** The Cedar of Goa, from Portugal. Very handsome, with spreading branches. Foliage glaucescent. Grows very fast, even on poor, sandy soil. Strong stock, 75c and $1.00.

C. **sempervirens** pyramidalis. Common Cypress of Western Asia and Southern Europe. The type is very slender, but the form pyramidal 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 found over the entire South. 12 to 18 inches, 25c, $2.50 per doz.; 18 to 24 in., 35c, $5.50 per doz.; 24 to 30 in., 50c, $9.50 per doz.

**JUNIPERUS barbadensis.** Our native "Red Cedar," now extensively cut out for pencil timber. A splendid dense tree, very useful for planting in varied places, but especially so near salt water. 25c, $2.50 per doz.

**PINUS canariensis.** The Canary Island Pine. A very beauti-
ful pine with attractive light-colored needles. 2 yr., 25c, $2.50 per doz.

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

P. halepensis, The Aleppo or Jerusalem Pine. The most common pine of Palestine, a low, spreading tree 30 feet high; its resin is used to preserve wine. 2 yr. 15c, $1.50 per doz. Larger, 25c, $2.50 per doz.

P. massoniana, Japan Pine. This reaches a height of 50 feet and furnishes excellent lumber of a deep red color. 1 yr., 15c, $1.50 per doz.

P. palmata, Our native Long Leaved pine, a very beautiful tree when well grown. The small trees are fine as house plants, grown in pots or tubs. Nice little plants. 1 yr. 10c; $1.00 per doz.

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, 50c and 75c.

TEUYA (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 especially suitable for forming hedge. A large bush or small tree, admirable for hedges. Foliage flat and very dense, highly aromatic. Strong stock 50c.

T. orientalis, Chinese Arborvitae. A slender 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: 16-15 inches high, 15c, $1.50 per doz.; 10.00 per 100; 15-18 inches high, 20c, $3.00 per doz.; $20.00 per 100; 2 to 3 ft. 35c, $5.50 per doz.; 3 to 4 ft. 56c, $7.50 per doz.; 4 to 6 ft. 75c.

T. orientalis compacta. Conical in form, exceedingly dense and regular. A fine dwarf species, suitable for cemetery, park and general planting in many ways. Open ground stock, 6 to 8 inches high, 20c, $2.00 per doz.; $15.00 per 100; 8 to 10 inches high, 30c, $3.00 per doz.; $25.00 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 plant. 5c.

T. "Bosedale Hybrid." A very unique and handsome dwarf species, with dark green, sometimes glaucous, sometimes bronze, foliage of dense habit and conical shape. Pot-grown, 6 to 8 inches high, 25c, $2.50 per doz.; $18.00 per 100; 10 to 12 inches high, 35c, $3.50 per doz.; 12 to 15 inches high, 50c, $6.00 per doz.


ds and Cycads.

SPECIAL NOTICE—Palm are all pot or tub-grown and may be shipped any time of year. For Florida planting summer is the best season.

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 a greenhouse 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 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 of the 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 air. 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 of 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.
ACANTHORIZA aculeata. Pinnate-leaved palm from Central America, of small size. $1.00.

ACRONOMIA scleroxarca. * * * The Groo-Groo palm of Trinidad. Tall, pinnate and splint. Young plants 50c, $5.00 per doz.; larger at 75c and $1.00.

A. total. * * A quick-growing, hardy pinnate palm, of large size; trunk to 10 inches thick, covered with stout pinnae. Exceedingly ornamental. Nice plants, but not characterized. $1.00, $10.00 per doz.

ARCHONTOPHELOX alexandrae. (Psychospermum alexandrae). * * * D. A beautiful, smooth, pinnate-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, 50c; larger at $1.00, $1.50 and $2.00.

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

A. lunatens. 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 spectabilis. Grand palm of Central America; pinnate, $1.50.

BACTRIS aurantiaca. * * * Pinnate Palm from Mauritius. Handsome, but not beautiful. Elegant plants with character. $1.00 to $3.00.

CAROYTA urens. * * * D. Pishiail or Teddy Palm. A splendid palm with peculiar bi-pinnate leaves; exceedingly ornamental either in a pot or when growing outdoors. Is of quick growth, and has a trunk from 10 to 15 inches thick. 25c, $2.50 per doz.; larger with partial character, 50c; specimens, $1.00 to $2.00.

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

C. multicaulis. * * * D. A very neat palm with small leaves; good value for decorative purposes. With character, 35c, 50c and 75c.

CHAMAECEPHUM humilis. The native fan palm of Southern Europe. Grows about 5 ft. high. Exceedingly hardy. 2 yr. old plants, 25c, $2.50 per doz.

CHRYSLALIDOCARUS lunatens. * * * D. (Areca lunatens.) 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 3 ft. 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 on lawns and avenues.

C. alphonsi. * 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.

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, extra large, $2.50 and $3.00.

C. campestris. * Similar to C. bonneti in general appearance. 25c and 50c.

C. datil. * A very hardy and vigorous species of the C. australis type, with gray-green leaves. Reaches a larger size than C. alphonsi, and is very ornamental. 15c, $1.50 per doz. Stronger, 35c, $3.50 per doz., and 50c.

C. eriopetaph. * A larger palm of the australis type; very hardy and handsome. Young plants 25c, $2.50 per doz.; stronger 35c, 50c and 75c.

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 plumy leaves from 10 to 15 feet long, dark shining green. Our best palm for street planting. Nice young stock about a foot high, 40c, $4.00 per doz.; larger plants, 75c.

C. nucifera. ** * * The Cococap Palm. Strong plants 50c, $5.00 per doz.

C. peddelliana. * * * 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, $1.50.

C. yatay. * A very hardy species similar to C. australis. With character, $1.00, $2.00 and $3.00.

CORYPHA australis (7). D. A fan palm with dark green leaves and thorny stems. A strong plant, $1.00.

CYCAS revoluta. * D. "Sago-Palm." A beautiful semi-dwarf palm resembling a palm, with a dense crown of elegant symmetrical pinnate leaves recurring from the cen-

View in Glass House No. 3, showing Chrysalidocarpus lunatens.
ter. 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, as it is making its rapid growth. Small plants 2 yrs. old, 25c, $2.50 per doz.; from 18 to 24 inches high, 50c $5.00 per doz.

** D. rubrum. ** ** 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, 15c, $1.50 per doz.; larger 25c, 75c, $1.00 and $1.50.

** D. madagascariensis. ** ** D.** A dwarf and slender-leaved palm often sold in error. It has the same palm-like foliage as the true Areca But it is considerably smaller. Occasionally grown as a house plant. Young plants, 15c, $1.50 per doz.; larger 25c, 75c, and $1.00.

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

** K.inae** (Kentia). ** D.** A pinnate-leaved palm, semi-dwarf in size, and of slow growth. One of the best house palms. With character, a foot high, 50c; little specimens, 3 to 2½ ft. high, $2; fine plants, 3 to 5 ft. high, $5. Bushy specimens in the largest size, 50c.$1.00.

** H. sterniana. ** ** D.** Usually cataloged as Kentia Wendlandii. A rare pinnate palm, with slender trunk, 2 to 4 inches in diameter, of vigorous growth. Small plants, 15c, $2.50 per doz.; extra strong stock, 15 to 18 inches high, 50c, $5.00 per doz.; 2 ft. high, $1.00. Larger 1.50 and $2.00.

** H. wendlandii. ** ** D.** A rare palm from Mauritius. Small plants, $1.00.

** H. verschaffeltii. ** ** D.** A medium-sized palm adapted to street and requiring same culture. Pinnate leaves from 4 to 6 feet long, the midribs striped with orange yellow on under side. A fine palm, 2 ft. old 35c, $3.50 per doz.; extra strong 50c, $5.00 per doz.; large specimens, $1.00, $2.00 and $5.00.

** L. borbonica. ** ** D.** The well-known Chinese Fan Palm. Formerly more widely used as a house plant than any other kind. It is a hardy, rather slow-growing palm, with broad leaves unusually flat. Makes a very handsome 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 driveways or avenues in South Florida. A fine stock at following rates: Small 15c, $1.50 per doz.; strong, from 4-inch pots, 25c; from 6-inch pots, 75c; extra large specimens, $1.00, $1.50, $2.00 and $3.50.

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

** L. hochstetteri. ** ** D.** Extremely valuable palm from Rodrigues Island, growing about 8 or 10 ft. high. Leaves fiddle-shaped, very deeply cut, glistening green; ribs of a golden color; stems orange colored from 2 to 4 ft. long. Trunk stout. Young stock, $5.00.

** A. rotundifolia. ** ** D.** A beautiful dwarf palm with almost circular recurved leaves (resembling Lantana borbonica) requiring warm quarters. An unique and choice plant for decorative decoration. Nice young plant 25c.

** M. caryotaefolia. ** ** D.** An elegant palm with leaves much like the Caryotas, but spiny. Trunk slender, about 3 in. thick. Fine young plants with partial characters 50c, $1.00 per doz.; larger plants in good decorative shape, from 2 to 4 ft. high, at $1.00, $1.50, $2.50 and $3.00.

** N. variegata. ** ** D.** An elegant armed, pinna-leaved palm from the Seychelles. 35 ft. high. Larger plants divided into broad, unequal segments, pendulous. Small only, $1.00.

** R. borinquenensis. ** ** D.** (Roystones borinquen.) 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.; larger 25c, $2.50 per doz. About 2 ft. high, 35c. Larger, 50c and $1.00.

** O. oleracea. ** ** D.** The Palmito 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. Small plants, 25c, $2.50 per doz. Larger stock, 50c and 75c.

** O. regia. ** ** D.** The Royal Palm. This is one of the grandest of all pinnate-leaved palms, reaching to a height of 150 ft. in the Florida Everglades, where it is rarely found wild. The great leaves are 15 feet or more in length. Our many nurseries were named from this choice palm, beautiful specimens of which were transplanted here, but were lost some years later by frost. When young this palm is tall and slender. Young plants, no character, 15c, $1.50
per doz.; 2½ to 3 ft. high with partial character. $3.50 per doz.: larger plants at 75c and $1.00.

**PHOENICOPHORIUM seychellareum.** * * * D.

A very rare and unique palm, requiring a high temperature. $2.50.

**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.

**P. canariensis.** * D. The Canary Island Date.** One of the finest and hardest for open-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. 5 yr., 75c, and $1.00. About 2½ ft., $3.00 each. Larger priced on application.

**P. farinifera.** * D. A dwarf species admirable for house decoration. The seeds are covered with a sweet mealy pulp. Small, 50c.

**P. ouzelayana.** (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, $2.00 and $3.00.

**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.; specimens, $1.00 and $2.00.

**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 bulky 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. Small plants, 1 yr. old, 10c, $1.00 per doz.; 2 yr., no character. 15c, $1.50 per doz.; 18 to 24 inches, 50c, $5.00 per doz.; from 6-inch pots, 75c; from 7-inch pots, $1.00 per doz. From tubs, not perfectly furnished with lower leaves, very strong, $2.50 and $5. From open ground, 4 ft., $3.50; 5 ft. or taller, $5.

**P. reclinata var. Leonensis.** * * A stronger grower with more spines along the leaf stems than the type. Strong plants, characterized, $1.00 and $2.00.

**P. roebelenii.** * * * D. A new and dwarf species, especially fine for house decoration. Nicely characterized plants, 75c. Elegant specimens, $2.00 to $5.00.

**P. rupicola.** * * D.** One of the finest species for growing in pots for the house or conservatory. Has wide-spread, arching leaves, the pinnate 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. rupicola x reclinata.** * * * D.** A choice hybrid originating here on our grounds. Plants characterized very early and are very stocky and nice. With character, 25c, $2.50 per doz. About 12 to 18 inches high, 50c. Larger, 75c.

**P. sylvestris.** * The Wild Date of India.** Tall, fast-growing, with large trunk. 12 to 14 inches in diameter and very hardy. Young stock only, 25c.

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View in our grounds. *Araucaria* toto, *Phoenix reclinata* and *Araucaria bidwillii.*
P. tennis. * A hardy species somewhat like canariensis, but with glaucous foliage. 25c, $2.50 per doz.

P. seydeliana. * The Ceylon Date. A veryslow-growing, hardy species with a huge trunk, and glaucous leaves. Plants beginning character, 35c, $3.50 per doz.

PRITCHARDIA pacifica. ** D. 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.; larger 75c and $1.50.

PYCHOSPERMA 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 8 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, 16c, $1.00 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 24 inches high, fine, 50c; about 2 to 2½ ft., 75c; about 3 ft., $1.00; about 4 ft., $1.50; about 5 ft., $2.00; about 6 ft., $3.00.

P. macarthurii. ** 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 melanochoeotes. ** 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. 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. mauritiaeform. * (Glaucescens.) 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. mexicanum. * Mexican Palmetto. Resembling S. palmetto, but is heavier and more stocky. Strong plants, 50c and 75c.

S. palmetto. * The famed Cabbage Palmetto of the South. A tall tree with a large head of fan

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**Royal Palm Nurseries, Oneco, Florida.**

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Palms as Street Trees. These are Young Cocos Plumosa.
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, 5c per doz.; 3 yr., 15c, $1.50 per doz.; beginning character, 25c, $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 5 to 8 feet across, of a very dark shade of green. 2 ft. high, $1.00.

SEAPORTHIA. See Psychosperma elegans.

THREINAX 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. Specimens, $2.00, $2.50 and $3.00.

T. floridana. * * * D. Characterized plants, small, 50c, $3.00 per doz.

T. microcarpa. * * * D. Silver Thatch Palm. A beautiful dwarf palm, with leaves silvery on under side. Young plants, no character, 15c, $1.50 per doz.

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 $1.00 and $1.50.

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

T. wendlandiana. * * * D. (T. parviflora.) Thatch Palm. Resembles T. barbadensis, but is larger and has broader leaf segments when fully developed. 25c, 50c and 75c.

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 character, 35c, $3.50 per doz.

VERSCHAFFELTIA splendida. * * * D. A rare palm from the Seychelles Islands, with very broad and entire foliage; trunk is spiny. Young stock, 15c.

WASHINGTONIA robusta. * The California Fan Palm. This is the type best adapted to Florida conditions, and lately listed as Neowashingtonia sonorae. Small stock, 1c, $1.50 per doz. With partial character, 25c, 50c and 75c. Large plants priced on application.

ZAMIA integrifolia. * * D. (or Z. Floridana.) Our native cycad, the Comptie. A dwarf, rarely over 18 in. high. Strong plants, $2.50 and 50c.

LARGE SPECIMEN PALMS: A few rare plants priced on application. For other choice decorative plants often listed with Palms, see Pandanus, page 88, and Dracaena, page 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.
SPECIAL NOTICE—Ferns are nearly all pot-grown, and may be shipped out at any time of year.

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 jardiniere 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.

View in glass house No. 1; the fern in basket is the Staghorn Boston, one of the best.
ADIANTEM DUJATUM. A small plant, rooting at the tips of fronds—a kind of "walking fern"; very pretty. 25c.

A. farleyense gloriosa. The new Glory Fern. This is a grand new fern very much like the October Fern in its fronds but larger in its foliage, and the plant is very pretty. It grows very easily and makes a good size. Fine plants 50c. $5.00 per box.

A. hybridum. A maiden-hair fern. A splendid new species similar in style to cunata, 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, and $5.00.

A. laxifolium. A "walking fern," rooting at the tips of fronds. A small, graceful plant, fine for baskets. 15c, $1.50 per doz.

ALSOHILA australis. Australian Tree Fern. Very fine long fronds, and with age develops a trunk sometimes 25 ft. high. Young plants 25c, $5.00 per doz.; specimens, 75c, $1.00 and $2.00.

ELECHNUM occidentale. Dwarf plant with rich colored new foliage, of easy growth. 25c.

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

GERATOPTERIS tartarea. (Gymnogramme 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.

CIBOTIUM barometz. This belongs to the true ferns, but has no trunk. The broad elegant fronds are a beauty, and attractively graceful with delicate flowers and fronds. 25c, $2.50 per doz. Large specimens 35c and 50c.

C. schiedei. A very imposing tree fern of rare beauty, and with a hardy constitution, so that it may be easily handled. Difficult of propagation, and 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.

DROPTOPTERIS sp. Jamaica. (Lastraea.) 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.

D. thelypteris. A delicate native fern, with narrow fronds, 15c, $1.50 per doz.

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

LYGODIUM scandens. * Japanese Climbing Fern. A rare thing—a real vine that happens to be a 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 speciment plant, or when cut for decorations. Very useful to the florist. 25c, $2.50 per doz.

MICROPELPA hispida. A rather dwarf plant, with large leaves, 15c, $1.00 per doz. Extra large, 25c, $2.50 per doz.

M. hirta cristata. A very lacy leaf of large size, divided and crested beautifully. They grow very easily and make a lovely plant with hanging branches. Fine plants, $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 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 easy growth. They are grown in pots on pedestals or in hanging baskets, thus showing off their wonderful plumy fronds to best advantage.

N. american. The "Race Fern." A new form of the popular ruffled sword fern, with broad fronds having exceedingly finely-cut subdivided pinnate leaves, spreading and giving a heavy rich effect. A splendid new plant of the highest merit, 25c.

N. cordinata compacta. Stocky and dwarf, with beautiful dark-green leaves; a splendid plant, which should be used. Fine plants, 10c, 25c and $5.00.

N. cordifolia. Something like the preceding, but 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. davallioloides furcans. The "Stag-Horn Boston Fern." A very handsome and decorative plant, with the ends of the fronds and pinnae cuneatum, and crested. A magnificent subject for a jardiniere, and will grow up to 4 feet high and 6 ft. across! Small plants 15c to 35c per doz.; baskets 25c, 50c, 75c and $1.00. Specimens in tubs $5.00.

N. duffii. A tufted dwarf species with branched fronds growing up to 2 feet high rarely. 15c to 35c.

N. exaltata. The Sword Fern of the Tropics, growing all round 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. 25c and 50c.

N. exaltata cristata. The Crested Boston Fern. More dwarf than, but similar to, the N. davallioloides furcans in general appearance. Rare and choice. Small plants, 15c; $1.00 per doz.; baskets 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, enthusiasm described by the description "Grandest Fern of the Age." In general, it re-
seem a Boston Fern, but has many more fronds per plant; is bushier and handsomer. The fronds are divided, giving a pronounced wavy effect unlike all others, 55c.

**N. pectinata.** The miniature sword fern, smaller, more low-growing. Nice effects, 25c.

**N. rufescens tripinnatisecta.** 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. scholzeli.** Plumed Scott Fern. A splendid new form of ruffled fern, partaking of the semi-dwarf fruit of its parent, *N. scottii,* with the added grace of the beautiful divided foliage. 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. superflua.** "Fluffy-ruffles" fern. Entirely different from all other sword ferns, with dwarf and compact leaves, the fronds being crowded and overlapped; very dark green color. 15c and 25c.

**N. whitmanii.** "Ostrich Plumes 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 cinna-noea.** 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 fibre of palmetto trees. Distinct. 20c.

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

**P. sundianum.** 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. Plants $1.25.

**POLYSTICHUM falcatum.** (Cyrtomium falcatum.) The Holly Fern. This has dark-green very broad fronds and makes a very fine specimen, up to 15 inches high. 15c, $1.50 per doz.; larger 25c.

**P. lobatum.** (Aspidium tsusimense.) A fine dwarf fern for either single specimens or filling fern dishes. 15c, $1.50 per doz. Larger, 25c.

**P. rochfordianum.** New Crested Holly Fern. A very satisfactory plant for decorating, with dark-green, deeply cut fronds, and giving a special effect. While massive in appearance, it has a graceful and light effect. Fine young stock 25c, $2.50 doz.

**P. scottii.** Scott's Giant. A low-growing plant with coarsely divided leaves striped with white. Best variegated-leaved fern we know. 25c.

**Selaginella vogelii.**

**S. scottii.** A rank creeping sort with free growth, a foot long. 15c.

**S. wilddenovii.** A giant creeping species, with elegant fronds of a pleasing shade of peacock blue and green, bronze, etc., 35c.

**S. vogelii.** A fine, erect species with leaves from 1 to 2 ft. high and showing bronze coloring at times. 35c.

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

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.

**ACALYPHA bicolor compacta.** A rather dwarf grower, with broad green leaves, marbled and edged with cream-white. 25c, $2.50 per doz.  
**A. godseffiana.** A dwarf species, leaves broad green, margined yellow, and suffused more or less with roots 15c and 25c.  
**A. marginata.** The largest sort in the genus, growing in open ground up to 8 ft. high. Fast growing. Leaves green with varying shades of red, pink and cream. In cool weather it is exceptionally gorgeous. 15c, $1.50 per doz.; extra large, 50c.  
**A. miltioniana.** Of medium growth, with narrow, cut leaves, green and cream-colored. 15c, 25c, and 50c per doz.  
**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 doz.; larger 25c, $2.50 doz.  
**ACHELYANTHES emersonii.** A fine plant for bedding or window boxes, with deep red foliage. 10c, $1.00 per doz.  
**A. Parrache de Bailey.** New variety with green foliage, reticulated with creamy yellow; leaf stalks and stems crimson, 15c, $1.50 per doz.  
**A. phlebophylla aurea.** A small border plant, yellow tinted, freely used in Florida, and also in the North as a summer bedding. 5c, 10c per doz.; $1.00 per 100.  
**A. rosea.** Similar to above with red or pinkish colored leaves, at same price.  
**A. Sheila balfouri.** A new species with round leaves beautifully variegated green, white and red. Something like a A. Guilloyel, which see. 5c.  
**A. elegansiana.** Palmate, deeply divided leaves of a brownish-green color. 50c.  
**A. crenulata alba.** Similar to above with white berries. 15c, $1.50 per doz.  
**A. pickeriagii.** Our native Spiceberry Bush. A pretty shrub with broad, simple leaves, bearing black berries of pleasant flavor. Nice plants 25c to 50c.  
**ASPARAGUS plumosus.** A very fine, fern-leaved climbing plant, particularly adapted for bouquets and cut flowers. A List 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.  
**A. sp. from Natal.** A very strong climber with distinct foliage, fragrant flowers. 25c, $2.50 doz.  
**A. sprengeri.** One of our introductions from South Africa in 1885. 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.; 15c, $1.50 per doz.; larger 25c.  
**ASPIDISTRA lurida.** A grand old decorative plant from Japan. Leaves broad and canna-like, slightly variegated with white (as shadings). May be safely in a shaded place; continually it has more white variegation than when in full sunlight. Grows about 18 in. high. 50c and $1.00.  
**CARLUDOVICA palmata.** The Panamá Hat plant. Resembles a palm, but has no trunk. Leaves palmate. A very decorative plant, reaching a height of about 4 or 5 feet. Nice small stock, 25c, $2.50 per doz.; larger specimens, 50c, $2.50 and $1.00.  
**COLEUS.** The unequaled bedding foliage plant. Also useful for window and porch boxes, etc. A good variety of colors and kinds. Fine plants 10c, 25c per doz.; 50c, $1.50 per 100; larger plants 15c, $1.50 per doz.  
**COLEUS. Cecil Brown.** A creeping sort, small foliage, ferny effect, purplish brown and green. 10c, $1.00 per doz.  
**COSTUS speciosus.** A curious Spirale Flag, with orange-colored flower heads, makes a good shrubbery plant in open ground here. 50c.  

**Phyllaureas.**
CURCULIGO recurvata. A broad-leaved plant growing about 1 foot high, resembling a young palm, or Pacheco palmifolium. $1.00.

DIEFENBACHIA seguine nobilis. A fine evergreen resembling a dwarfed Musa, with broad leaves profusely blotched with creamy white. Medium plants 15c and 25c.

DRACAENA fragrans. A large green-leaved plant somewhat resembling Maize, but much heavier and more fully furnished with beautiful foliage. A touch plant for the decorative. 50c and $1.00.


D. indirisa. 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. 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.

DRACONIUM asperum. A rare aroid, with a single narrow leaf. 50c.

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

EUPHORBIA 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 Poinsettia's stock in bloom.) 10c, $1.00 per doz.; 75c per 100. Heavier stock, 25c, $2.50 per doz., $18.00 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, $1.00.

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

F. elastica. See also Sect. III. Fine plants, 40c.

F. elastica variegata. This is a rare variegated plant of great beauty. $1.50 to $2.50.

F. Pandurata. The "Majestic Rubber Tree." A new species with enormous banana-shaped leaves, of a dark green color; veined with creamy-white, 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 and 75c.

FITTONIA argyrophylla. A trailing plant with broad leaves, showing a net work of white veins. 15c.

F. verschaffeltii. This has pink veins, 25c.

GRENLEAVRA robusta. See Dept. XV.

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

HELMICHIA biflora. White Spider 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. lehmannii variegata. A stocky, broad-leaved plant, somewhat resembling a miniature banana, with leaves striped with creamy yellow, and having yellow stems. 50c to $1.00.

HEMIGRAPHIS colorata. A purple-leaved plant of trailing habit. Fine for baskets, or as a cover plant, but needs heat, 15c, $1.50 per 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 pot-house species, dwarf forms with bronze foliage, etc. 35c.

NEMETHYTTIS lberica. A quickly growing climber, with fleshy stems, like Philodendron in habit, having trilobed leaves. 25c, $2.00 per doz.

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

NOLINA tuberculata. A splendid plant, resembling a Yucca or Dracaena, but with an enormous bulbous base, from which the trunk runs up very slenderly and is crowned with a great head of long narrow leaves. It has proved hardy in South Florida out doors, and is an effective subject growing up to 8 feet or more in height. Small plants, 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.

OPUSIBULUS burmanii. (Panicle variegatum). A delicate grass, broad leaved with variegation of green, white and pink. Useful for border, hanging baskets, etc. 10c, $1.00 per doz.

PANAX aureus. 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, 20c to 50c.

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

P. fruticosum (plumatum). This has fern-like leaves and is of quick growth than most others. The foliage is grayish green, with a suggestion of white in it. 15c 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 our respects it resembles P. Veitchil. $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. 6 to 10 in. high. 15c, $1.50 per doz.; 10 to 12 in. high. 25c; 12 to 18 in. high. 50c; 18 to 24 in. 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 $6.00.

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

PELLONIA daveana. 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.

PHYLLALOE variegata. 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, 4 to 10 inches high, 15c, $1.50 per doz.; better, 25c, $2.50 per doz. Large specimens, $1.00 to $2.00.

Amabilis. Broad-leaved, of slow growth, very highly colored, showing pink, purple, green and yellow. 25c and 50c.

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

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

Andricococum. Green leaves, with exposed midrib, tips of leaves hanging down in queer detached fashion. 25c.

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

An eo-maculatum. Very small and narrow foliage; green, spotted yellow. 25c to 50c.

Barbara Rothschild. Broad-leaved, red and pink shades being very prominent; superb. 50c.

Barryi. Broad leaves; green with veins and blotches of bright yellow. Leaf stems tinged pink. 25c.

Chrysophyla. Broad-leaved; green, with broad creamy yellow center; very fine. 35c.

Cooperi. Leaves yellow, veined and blotched, changing to red. 25c, 50c and 75c.

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

Dasyeins. Leaves rather broad, orange-red midrib. 25c and 50c.

Derrmannitium. Small but broad leaves, bronze-red, green and yellow. 35c.

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

Earlscourt. Broad-leaved, very wavy and irregular; yellow center, margined green and pink, with reverse side pink and maroon. 50c.

Edwina Lonsdale. Very broad leaves, highly colored pink and red on yellowish-green ground. 50c.

Evansianum. Leaves 3-lobed, veined yellow and mottled yellow, bronze and orange. 25c, 50c and 75c.

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

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

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

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

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

Irrugulare. Medium broad, rather obtuse, 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.

Macro tatum-Katon. Broad, 3-lobed leaves, green with circular yellow spots. 25c, 50c, 50c.

Majesticum. Leaves narrow and long, mottled green and yellow, shaded crimson. 25c and 50c.

Mme. Blanche. Leaves rather narrow, green and creamy yellow. 35c.

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

Nestor. Olive ground; pink midrib and green spots. Broad leaves. 25c.

Noble. Broad-leaved, green and yellow. 25c, 35c and 50c.

Orin. Beautiful broad leaves, green, barred and spotted with deep yellow. Splendid. 50c.

Picturatum. Narrow, long leaves, green, carmine, yellow, orange, etc. Very rich colored. 15c, 25c, 35c, 50c, and 75c.

Panax fruticosum.
Prince of Wales. Medium broad leaves tapering somewhat to the tips. Highly colored with yellow on green. 50c.

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

Regina. Broad, short leaves; crimson, brown, green and yellow. 25c, 50c and 75c.

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

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

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

Weismanni. Leaves rather narrow; green, barred and blotched yellow, with pink or red stems. 25c.

Phyllanthus nivosus var. roseo-pictus. (Brevini.) 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. Resembls a narrow-leaved Aralia, but is of quicker growth. A fine plant. 50c.

Pothos aureus. 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, $1.50 per doz.


E. aurantiaca. New; yellow. 35c.

Sansevieria. S. e e Dept. III.

Sprengelia micoloi. (Formerly listed as S. augusta.) A grand plant, resembling Ravenala on a smaller scale. Flowers white and blue. $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.

Zebina 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.

Zygocere d’ervy. A lovely foliage plant; leaves green, edged with white, often with pink. Flowers in red bulb-like scape about 2 ft. high and very effective. Grows in part shade. $1.00.

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.

Florida Testimonials.

Monthread, Fla., May, 1914.—"The shipment of palms reached me in fine shape, and I wish to say that I am just delighted with the collection that you sent me. Your method of packing is the finest I ever saw, and I shall take pleasure in recommending you to all my friends. Thanking you for the very satisfactory manner in which you filled my order, I am,

Yours very truly,

Mrs. D. W. McArthur.

Winter Haven, Fla., March, 1914.—"Your plants arrived in fine shape and so many extra ones too. Everything was so satisfactory, I shall order from you in the future."

Mrs. J. Acheson.

Lakebend, Fla., Sept., 1914.—"I beg to acknowledge receipt of the plants in good condition. We are certainly pleased with them in every way. You may expect another order from us in the near future."

Chas. D. Kime.

Eagle Lake, Fla., Sept., 1914.—"The plants came in splendid condition, and after a few days in the ground, still look splendid. I am much pleased with the collection; the palms fairly took my breath away. I have sent small ones up North for two dollars apiece, (these cost only 20 cents each, net). Thank you for the extra specimen fern."

Mrs. Emma S. Chandler.

Waverly, Fla., Oct., 1914.—"I am certainly gratified at the treatment you have accorded me in your promptness and the nice plants and shrubs sent me—they are above my expectations. Will send order later for roses, pineapples, etc.

J. R. Davis.

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SPECIAL NOTICE—Nearly all plants in this section are pot-grown, and may be transplanted at any time of the year. In Florida, set them preferably in spring or summer, prior to September 1st.

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. **Subjects that will flower in Winter or Early Spring**: Acalypha, Bauhinia purpurea and varieties, B. variegata candida, Begonias, Caesalpinia pulcherrima, Calpurnea, Cestrum, Clerodendrums, Cuphea, Assonias, Ixora, Jacobinias, Jasminums, Asystasia, Chaleas, Plumbago, Strobilanthes, Tabernaemontana, Thevetia, Thunbergias, Datura, Kraussia, Lantana, Stenolobiurns, etc.

**Acalypha hispida** (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, 50c and 50c.

**Allamanda nerifolia**. Shrubby, with yellow flowers, about 1½ to 2 inches across. 25c.

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

**Artabotrys odoratissimus**. The False Yang-Yang, 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.

**Assonia natalensis**. New species, 50c.

**A. spectabilis** (Dombeyi). A tall shrub with straw colored and pink flowers. Rare and new. 50c.

ASYSTASIA bella. (Mackaya). A fine shrubby plant of easy growth here, flowering in spring. Flowers in racemes, pale blue, about 2 inches long. 35c.

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 and creepers, shrubs and vines. These we offer, however, are all very desirable subjects for planting in warm regions, on account of their beautiful flowers and interesting evergreen foliage. All of the sorts listed below are fine for Florida planting.

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. forficata. (fur-furacea.) A new, thorny shrub with cream colored flowers in summer. 50c.

B. furcifl. A large shrub or small tree, with splendid flowers, delicately variegated pink and yellow. A very choice species. 25c, $2.50 per doz.

B. picta. A rare specimen, 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 blue, purple, and white, with a touch of yellow. 1 yr., 15c, $1.50 per doz.; 2 yr., 25c, $2.50 per doz.; 3 yr., 35c, $3.50 per doz.

B. purpurea triandra. This was formerly listed as B. variegata a. A very fine sort, 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., 35c, $3.50 per doz.

B. purpurea, Simpson's Pink variety. Somewhat different from preceding, both in color and time of flowering, which is later. Prices, 25c each, $2.50 per doz.

B. racemosa. New. 50c.

B. tomentosa. The St. Thomas Tree. A fine small tree with charming yellow flowers. 50c.

B. variegata candida (alba). A tall shrub, or small tree, blooming in early spring. Large pure white flowers about three inches across. Very fine indeed. 1 yr., 25c, $2.50 per doz.; 2 yr., 35c, $3.50 per doz.

BECONIA macrophylIa (B. macrophyll). 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 15c and 25c.

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.

B. macrophyllum. Flowers a rich blue, turning white in aging. Fragrant. 50c.

CAESALPINIA nuga from Luzon, P. I. "A very attractive and sweet scented flower red scented shrub. New and rare. 50c, $5.00 per doz.

C. pulcherrima. Dwarf Pohnaliana or Barbados Flower Fence. A superb shrub with elegant planate foliage, surmounted during the greatest 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 shrubbery in Florida and the Tropics. Nice young stock at 15c, $1.50 per doz.; larger at 25c, $2.50 per doz.

CALPURNEA aurea. (Lasiozyne). A fine shrub with compound leaves; flowers something like the pea, in large drooping spikes of the richest yellow. 25c.

CARISSA acuminata. A non-edible species, with handsome small foliage. Fine for hedging. 50c.

CASSIA alata. (I catching.) The Talantala of Porto Rico. A shrub of 4 to 8 feet high. 35c.

CATECHAEA 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 Jasmine." A quick-growing large shrub, producing quantities of small, white flowers at intervals throughout the year, valuable for cut flower work. 25c.

"Strobilanthes isophyllus."

with pinnate foliage and spikes of glorious yellow flowers. Will bloom freely the first year. 35c, $3.50 per doz.

C. laevigata. A fine shrub growing from 3 to 7 feet high. Compound leaves; yellow flowers. 50c each.

CATECHAEA 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.

C. nocturnum. Night Blooming Jessamine. Small greenish-yellow flowers, over-poweringly fragrant. 15c, $1.50 per doz.; larger, 25c and 25c.

CHALCAS paniculata. (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.; strong stock, 25c, $2.50 per doz.

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

C. kaempferi. Orange scarlet flowers; exceedingly brilliant and larger individually than the bloom of C. squamatum. 25c and 35c.

C. cyphonanthus. "Turk's Turban." A plant growing about 8 ft. high from underground runners; foliage dark-green; flowers in terminal racemes with opposite, coarsely-toothed leaves and light green fruits. 25c.

CORBIA pulchellites. (From China). Small, handsome shrub with lovely pink flowers. 50c.

C. indica. A grand shrub with large white flowers, very choice. 25c.

 grimacous. (Erba canalis). Grows about 1 ft. tall; dark blue flowers in spikes; produced in winter. 15c, $1.50 per doz.; larger, 25c, $2.50 per doz.

C. arborea. Horn of Plenty. Shrub, with large light-green leaves and white flowers in long spikes; produces numerous light-green flowers, fragrant, opening at night. 15c, $1.50 per doz.

DURANTA repens (plumiera). Golden Dewdrop. Delicate lilac flowers in racemes followed by closely set yellow berries which hang on for a long time, and are very ornamental. 1 yr. 15c, $1.50 per doz.; 2 yr. 25c, $2.50 per doz.

ERYTHRINA poeppigiana. New introduction. 50c.

E. species. One of the "Coral Trees." 50c. See Department III for another species.

GLYCOSMIS pentaphylla. A near relative of the orange, with broad evergreen flowers, 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. 25c, $2.00 per doz.; 3 yr. 50c; 4 yr., bearing size, 75c.

GULANDINA bonduc. The Nicker Bean. 25c.

HAMELIA erecta. (patens.) Shrub, orange-red flowers; foliage inclined to bronze shades. 25c.

H. sphaeracarpa. Flowers orange-yellow. 25c.

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 5 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 2½ inches across, rich pink, with whiteish veins, shading to white and crimson margins, as the petals unfold. Flowers single. 25c, $2.50 per doz.; extra large 35c and 50c.

Euterpe. (This variety introduced by us several years ago, but not named, and sold as "Single Salmon") A large single flower, bright salmon-yellow, with small reddish veins, shading through a delicate violet into the intense red center. Yellow beneath, with prominent stamens, shading into white towards the calyx. Leaves distinctly veined and rather small. General effect of a wonderful bloomer. Strong stock 15c, $1.50 per doz.; larger 25c, $2.50 per doz.; extra large 35c and 50c.
Melpomene. Large single flower, beautiful satiny pink, with darker pink nerves and deep crimson center. Double colored half pale yellow and half pale pink on under side where the prominent nerves give it a crape-like appearance. Our most beautiful new variety. 50c, $1.00 per doz.

Terraphoria. Medium-sized single flower, with crape-like light pink petals and numerous darker pink nerves, with deep pink margins to the red centers; lighter beneath, stem brownish. 35c, $3.50 per doz. Extra large, 50c.

Thalia. A single flower, with silky pink petals, and buffy salmon center. Light pink and cream on reverse side; crape-like. Very dainty, 50c.

Urania. Large single flower, petals light salmon, with faint pink nerves, and lovely light-pink center. Lighter beneath and nerves prominent. Has a crape-like effect. 35c, $3.50 per doz.

A set of above six sorts will be sent for $2.00.

Carmenatus perfestus. Very attractive, with wavy petals, carmine and crimson, with very dark red center. Single 35c, $3.50 per doz.

Double Pink. A very rich carmine pink flower of fine appearance, resembling a fine Paeeony. This is one of our choicest sorts. Strong plants 15c, $1.50 per doz.; larger 25c, $2.50 per doz. Extra large 35c.

Double Scarlet. A 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.

Grandiflorus. Very large single flowers, deep rose color. 25c and 50c.

Peachbow. A very beautiful, double flower of a pale pink color, with dark center. 15c and 25c.

Schnopetalus. A small single flower with peculiarly cut and twisted petals, pinkish red in general color. Flowers droop over gracefully.

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. Extra large 35c.

Vermilion. 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.

White Wings. A new single flowered sort. White, with a long stem, the flower is a very pale pink, which rapidly fades to white. Something very choice. 75c.

HUNTERIA zeylanica. (Tabernamenta salicifolia). A handsome, evergreen-leaved plant, newly introduced by us. 25c, $2.50 per doz.

IXORA amboinica. "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. A fine shrub. 35c.

I. splendidula. 50c.

I. rhuvifolia. Flowers orange-red. 50c.

JACOBINA coccinea. Grows 4 feet high. A fine ladder, or a large shrubby specimen when grown singly, with deep scarlet flowers in spikes, blooming constantly. 16c, $1.00 per doz.; larger 15c, $1.50 per doz.

J. hiesbrechtiana. Flowers yellow. Plant grows up to about 5 feet. 15c, $1.50 per doz.

J. velutina. Dwarf plant, with heads of pink flowers. 25c.

JASMINUM sambac. "Grand Duke." A very double-flowered Jessamine; the flowers are frequently 2 1/2 inches wide and intensely fragrant. Foliage is dark-green and shining. 25c.


JATROPHA multifida. A handsome plant with digitate leaves, finely divided, and bright red flowers. Grows to 6 or 8 feet. 35c.

KRAUSSIA floribunda. A new shrub from Natal, evergreen; the flowers are of peculiar structure, funnel-shaped, and attractive. 50c.

LAGERSTROEMIA flor-reginae. One of the most exquisite Crapemyrtles (tropical section) with enormous quantities of mauve flowers. 50c.

L. parviflora. Newly introduced. 40c.

L. speciosa. Newly introduced. 50c.

DANTANA. A genus of very gorgeous shrubbery plants, all of which grow to perfection in Florida, on almost any kind of soil. If frozen back they come up from new roots the following spring.

Pink-and-Yellow. 10c, 1.00 per doz.; large 20c, $2.00 per doz.

Orange-and-Lemon. 10c, 1.00 per doz.; large 20c, $2.00 per doz.

White, Lemon Eye. 10c, 1.00 per doz.

Purple Trailing. This sort is adapted to window boxes, vases, or sloping banks. 10c, 1.00 per doz.

LEPA sambucina. A shrub or small tree with pinnate leaves, each 3 1/2 to 4 feet. Flowers greenish-white. New. 1.00.

MABA natans. A broad-leaved shrub of dense habit, from South Africa. Evergreen. Produces quantities of striking black berries in large bunches, which are persistent. 50c.
MALPIGHIA coccigera. Handsome holly-like little shrub, with red seeds. Fine for a dwarf hedge. 35c and 50c.

MALVAVISCUS malvaviscus. (Achmania.) A shrubby plant, blooming when small. Foliage green, broad and attractive. Flowers bright scarlet. Freely produced. 15c.

MUEHLENBECKIA platyclados. A remarkable straggling shrub from Solomon Islands, with flat branches, and stems for leaves. 35c.

OXANTHUS pyrifolius. Related to Gardenia; with large, glossy leaves and elegant flowers in racemes. 50c and $1.00.

PITTOSPORUM viridiflorum. Flowers greenish-yellow, jessamine scented. 25c.

PLUMBAGO capensis. Flowers sky-blue, constantly in bloom. Charming old plant. 25c.

PSYCHOTRIA capensis. Evergreen shrub (or small tree) with oblong-oval glossy leaves 3 to 5 inches long by 1 1/2 to 2 inches wide, and small yellow tubular flowers. 50c.

PUTRANJIVA roxburghii. Indian Anemulet Plant. Shrub or small tree. Leaves 2 or 3 in. long, ovate, serrulate. Flowers small and yellow. $1.00.

REINSTATELIA species Porto Rico. Related to Alpinia. Flowers yellowish in scarlet bracts which remain indefinitely. 25c, $0.50 per doz.

SAINTPAULIA ionantha. "African Violet." A very small, but pretty plant with blue flowers. 25c, $2.50 per doz.

STELOLOBIUM stans. (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 an umbrella-like cluster in deep, yellow, well drained soil. 15c, $1.50 per doz.; larger 25c, $2.50 per doz.

S. variatus. Sambucfolia. 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.; larger 25c, $2.50 per doz.

S. variatus. var. villosus. Foliage broader and heavier than stans, flowers more of a brownish yellow, but equally fragrant. 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.

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.

S. isophyllus. Not so bushy as the preceding, but bearing constantly, single purplish-blue flowers about 1 1/2 inches across. 15c, $1.50 per doz.; larger 25c.

TABERNAMENTA coronaria. fl. pl. Crape Jessamine, or Rose Bay. Large pure white, scented double flowers produced at intervals. Leaves glossy, broad, green. Makes a fine ornamental hedge, not defensive. Nice plants 15c, $1.50 per doz.; larger, off a flowering size, 25c, $2.50 per doz.; a few larger at 35c and 50c.

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 50c.

THAVEIA 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. (Meyenia.) Gloxinia-like flowers of the brightest blue, two inches across, flowering almost constantly. Very fine. Large plants 15c and 25c.

T. erecta alba. Flowers white with yellow throat. 25c.

TIBOUCHINA semidecandra. (Lasiandra.) A magnificent shrub with leaves like velvet, and flowers of most gorgeous royal purple, 2 1/2 in. across. 35c, $3.50 per doz.

TODDALIA lanceolata. An erect shrub of 5 to 8 feet, from Mauritius, with trifoliolate 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. Very small plants 5c, 50c per doz., $3.00 per 100. Larger 15c and 25c.

TURBARED heterophylla. Newly introduced from India. $1.00.

WARNERIA thunbergioides. (Gardenia thunbergioides.) A very dense shrub growing up to 8 ft. Rather small, pointed leaves; flowers single, pure white, about 4 inches across. 50c, $5.00 per doz.

TESTIMONIALS FROM THE NORTH.

"I have very near all that you list and must say that I have bought plants from very near all mail order florists in the U. S. but none can compare with you for giving good fine plants for the money."

Henry Schmidt
McMicken Ave.

"The large package came yesterday in the most perfect condition; there is not a leaf broken or marred, and the palms are beauties. Many thanks for the very generous way in which you filled my order."

Walter P. Jackson

"The palms got here safely and in good shape. In December I will be in Florida again and give you some different orders."

W. F. Mason

A. D. Siddleman
Hardy and Half-Hardy Flowering Plants and Shrubs

SPECIAL NOTICE—These marked P. are potted grown and may be transplanted at any time; the others should only be set in cool weather—say from November till March.

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.

Subjects that will flower in winter or very early spring: **Acacia, Azalea, Camellia, Jasminum, Laurocerasus, Michelia, Osmanthus, Roses, Tetrapanax, Chionanthus, etc.**

**ABELIA grandiflora.** A very satisfactory evergreen shrub with long willowy 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.

**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 about 12 to 14 inches across which will be mass of bloom in spring, at $3.60. Colors range from white and pale purple through pink, to a good carmine red.

**BERBERIS aquifolium.** Mahonia, or Oregon Grape. A handsome ornamental shrub with evergreen, spiny-toothed leaves, beautifully cut. Flowers yellow, appearing very early. Berries blue or black. Nice stock. 2 yrs. 25c, $2.50 per doz.

**B. japonica.** Japanese Barberry. Like the preceding, prefers partial shade. Leaves broad, with 5 pairs of leaflets. Flowers yellow; berries dark purple. A splendid shrub. 2 yrs. 25c, $2.50 per doz.

**BUTNERIA florid.** (Calycanthus florid.) Sweet Shrub. Deciduous. 2 yr. 15c, $1.50 doz.

**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.

**CAMELIA 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.

**CAMELIA 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 sorts, 12 to 15 inches high, 65c, $0.50 per doz.

**CHIONANTHUS virginica.** White Fringe Tree. A large shrub with masses of delicate white flowers in early spring. Deciduous. 2 yr., 15c, $1.50 per doz.

**COFEOSMA banieri.** A beautiful dense evergreen shrub with broad leaves and red ornamental fruits. Does well in Florida. 50c, $0.50 per doz.

**ELABAGNUS in variety.** Very desirable shrubs. See Department II.

**Elaeagnus 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, $0.50 per doz.

**RIBICUS 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.

**Rubra plena.** Double red.

**Amplissima.** Double light pink.

**Jeanne d'Arc.** Double white.

**Violacea semi-plena.** Double rose purple.

**Totus-albus.** Single white.

**HYDRANGEA hybrida.** P. New French hydrangeas in several sorts, white, mauve, blue, etc. 50c, $0.50 per doz.

**H. otaka.** Flowers in very large, round heads, pink or blue, according to soil. 25c. Large bushy plants, $1.00 and $1.50.

**H. Red Branched.** Flowers much like preceding, and variable, usually blue in our sandy soil. Stems a dull, dark red. 25c.

**H. Jeanne d'Arc.** A pure white-flowered sort, like the old variety Thomas Hogg. 25c and 50c.

**ILLICICUM anisatum.** P. East Indian Anise. A handsome broad-leaved evergreen with fragrant foliage (when bruised). Strong plants 50c, $0.50 per doz.

**JASMINUM beesianum.** 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 scented 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. 1 yr. 35c, $3.50 per doz.; 2 yr., 50c, $5.00 per J. humile. P. A hardy, yellow-flowering shrub of large size. Very valuable. The scented flowers in clusters come in early spring.

**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 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.** Grape 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.

See Department X for tropical species lately introduced by us.

**Carmine.** Sometimes catalogued as "Crimson." An exceedingly bright colored flower (from the choicest plant out of a large lot of Indian seedlings of our importation dating from 1886) the general favorite. 2 yr., bushy, 15c, $1.50 per doz.; $10.00 per 100; 3 to 4 feet high, 30c, $3.00 per doz., $20.00 per 100; 4 to 6 ft. 50c, $5.00 per doz., $100.00 per 100; 6 to 7 ft. $1.00, $10.00 per doz.

**Pink.** The old-fashioned sort so generally grown around Southern homesteads. Same prices as preceding, and also a few very old specimens at $2.00 to $2.50 each.

**Purple.** A light purple flower, varying in shade with soil conditions. Blooms best in July and August. Same prices as on Carmine.

**White.** A weak grower and hence very scarce and expensive. Grafted stock, 35c and 50c.

**LAUROPELASINUS caroliniana.** (Punus 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. 16c, 50c per doz.; 2 yr. 16c, $2.50 per doz.; 3 yr. 30c, $3.00 per doz.; 4 to 6 ft. 25c, $2.50 per doz.; 6 to 8 ft. 50c, $4.00 per doz.

**LEUCOTIS iaponica.** 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.

**L. anumense.** 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. 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.; large, 4 ft., bushy, 50c, $5.50 per doz.; extra strong, 75c.

**Metisosideros floribunda.** P. The Bottlebrush 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. Illicina.** P. A pleasing variety of illicia; flowers tinged with lilac, Home-grown plants about 1 ft. high, 75c.

**Michelia fuscata.** (Magnolia fuscata.) P. Banana Shrub. Fine, broad-leaved, hardy shrub. The brownish-yellow flowers are about 1 inch across. The flowers are very 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 1 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 the North. Our collection is unequaled in the South. The following named sorts are the most hardy, standing more frost than the others: Carneum; Frederick Guibert, Prof. Durand, Mme. Planchon, Dr. Golfin, Mons. Belaquer, Savort, Single White, Mrs. Peuch, De Brun, Mrs. Geo. Roeding. An exceptionally tender sort is Single Pink.

Write for special rates on quantity for hedge purposes, or for extra large specimens.

**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. 1 yr. 10 to 20 inches high, 35c, $1.50 per doz.; 2 yr. 25c, $2.50 per doz.; 3 yr. 35c, $3.50 per doz.

**De Brun.** Double deep crimson, slightly lighter in stalk than Atropurpureum plenum. Very choice, 35c.

**Professor Durand.** Double, creamy yellow; small flower; not fragrant. 35c.

**Savort.** Double, small flower, pale pink; very finely. A strong upright grower; hardy and desirable. Sizes and prices same as Carneum.

**Single Cream.** Flowers rather small. Sizes and prices same as Carneum.

**Single Pink.** Shell-pink color; very large trusses; scented. A grand sort. 1 yr. 15c, $1.50 per doz.

**Single White.** A most hardy sort, blooming very profusely. Fine. The old reliable common variety. 1 and 2 yr., priced as Carneum.

**Souvenir de Felix Duval.** Semi-double, soft rose-pink. 1 and 2 yr., priced as Carneum.

**Splendid.** The old-fashioned, double-pink variety. Splendid large flower, sweet-scented. 1 and 2 yr., priced as Carneum.
Splendens variegatum. Flowers double pink; foliage white and green; very attractive. 1 yr., 25c.

OSMAZTHUS fragrans. (Olea fragrans.) Sweet Olive. A vigorous climber, with tiny flowers of exquisite perfume, coming in winter and spring. 50c and 75c.

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.

P. tobira variegata. A rare form, the foliage silvery and white, very attractive. 35c, $5.00 per doz.

PONCIRUS trifoliata. (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. 19c, $1.00 per doz.; 2 to 4 ft. 29c, $2.00 per doz.; 4 to 6 ft. 35c, $3.00 per doz.

RAPHEOLEPSIS japonica. (R. ovata.) P. Broad-leaved, dwarf shrub with trusses of pink or white flowers. Does well on high land in Florida generally. 25c and 35c.

RHODODANTHUS tomentosus. P. A semi-hardy shrub of great value for South Florida, growing freely on or under clover 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.

The Royal 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 average year when flowers 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 shrubs 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.

Price, except where noted, of fine two-year grafts (few on own root), at 40c, $4.00 per doz.


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.


Catherine Mermet. Tea. Long pointed buds, delicate pink.

C的朋友, 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.


Climbing Bridesmaid. Tea. Very rich pink flowers, especially fine for vases or for other cut-flowers.

Climbing Devoniaensis. Tea. The famous Magnolia Rose, Creamy-white, tinged blush. The bush form of this species also is in stock.


James Sprunt. Tea. A vigorous climber, with very full, cherry-red flowers.


Louis Phil., Bengal. A good, thrifty rose. Crimson, with long stems.

Mme. Cecil Berthold. Tea. A grand deep yellow rose, beautiful in both bud and flower.

Mme. de Wattéville. Tea. General color a creamy white, bordered a bright pink. Large, beautiful and fragrant.


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.

Mm. de Mano-Coche. Tea. Light pink; style like bridesmaid. Pink, with suffusion of yellow at base of petals.


Minnie Frances. Tea. Might be called an improved Bon Silene. Very fine deep pink rose; vigorous; splendid rose for Florida.

Papa Gontier. Tea. Very bright reddish-crimson flowers; fine in bud.

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 is so well adapted to our sandy soils. 1 yr. plants 75c.


Virginia R. Cooke. (Gruss an Teplitz.) Hyb. Tea. The reddest of all red roses. Medium double flowers of fair size.

White Mano-Coche. Tea. A pure white form of this splendid rose.


SAURURUS chinensis. (S. cernua.) 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.

SEBSANIA purpurea. (Daubentonia.) A leguminous shrub allied to Ceanothus, of very quick growth. Leaves compound, deciduous; flowers orange-scarlet, freely borne during most of the warm weather. 15c, $1.50 per doz.

SPIRAEA cantoniensis. (S. reevesii.) Bridal Wreath. Well-known, hardy, deciduous shrub, blooming in the spring. 1 yr. 15c, $1.50 per doz.; 2 yr. 25c, $2.50 per doz.
S. van houttei. Resembles reevest, 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. 2 yr. 25c, $2.50 per doz.

TETRAPANAX papyrifera. (Aralia papyrifera.) P. Rice Paper Plant of China. The large leaves are pinnate, 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 hardly well up into the Carolinas, and send up fine growths every spring if cut back by frost. 25c, $2.50 per doz.

WARNERIA augusta. (Gardenia florida.) P. Gardenia or Cape Jessamine. A splendid hardy-leaved evergreen shrub, with very chaste, snowy-white flowers, which are exceedingly fragrant. 15c and 35c.

Tropical and Sub-Tropical Vines and Creepers

SPECIAL NOTICE.—Plants in this department are pot-grown and may be transplanted at any time of year.

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 Bignonas, which will climb to any solid support. Bignonia s. v. especially is fine for covering brick or stone walls.

ABRUS precatorius. Crab's Eye Vine, or Weather Plant. Delicate pinnate leaves, small flowers in bunches followed by beautiful scarlet and black beads which are highly decorative. 10c, $1.00 per doz.

ALLAMANDA cathartica hederinoni. One of the most gorgeous tropical plants grown in Florida; may be trained either as a vine or shrub, and will grow well up into the southern edge of our Gulf States, as the loss of top by frost is very quickly remedied by a few weeks of spring weather. Glossy green broad leaves, flowers constantly produced four to five inches across, pure golden yellow. 25c, $2.50 per doz.

A. c. williamsonii. This is similar to preceding species, except in size of flower, which is only about three inches across, and sometimes a trifle fragrant. Exceedingly floriferous. 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.

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.

BAUHINIA vahili. A gigantic creeper from India $1.50.

BIGNONIA argyreo violaceens. 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 color of blood red. $1.00.

B. venusta. See Pyrostegia.

BOUGAINVILLA glabra sandersiana. Paper Flower. A very conspicuous plant with masses of purple flowers, usually in winter and spring, but showing some bloom most of the year. May be grown as a vine, or shrub, or small tree by training. 35c, $2.50 per doz. Larger 50c, $1.50 and $2.50.

B. spectabilis. This has flowers of a deeper shade of purple than the preceding, but

Bougainvillea glabra sandersiana
requires several years' growth before blooming. 5c.

B. spectabilis lateritia. Flowers of this very rare sort are of a brick-red color. $2.50.

CHLOROCODON white. A broad-leafed vine of vigorous growth from Natal. The leaves are often 10 inches long, broadly oval-oblong. Flowers very queer shape, \( \frac{1}{2} \) inch across, pale green with purple segments. 25c.

CLERODENDRUM thomsonae. (C. balfouri.) 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. t. delicaturn. Like the preceding, except that the calyx is greenish, instead of white, and turns a reddish bronze with age. 15c and 25c.

CRYPTOSTEGIA grandiflora. A free growing evergreen vine, bearing clusters of light purple flowers about 2 inches across, resembling the Allamanda. 50c.

C. madagascariensis. A new and rare introduction. $1.00.

DEGUILLA timorienensis. A very vigorous vine from Timor bearing long spires of pure white, sweet-scented flowers in enormous profusion in summer and autumn. 15c, $1.50 per doz.

D. sativa. (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. 50c, $5.00 per doz.

IPOMOEA sidafolia. 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.

I. species. A splendid yellow flower about 2 to \( \frac{1}{2} \) inches across, of clear golden yellow. 25c.

LACHTHA. A charming blue-flowered Morning-Glory, native of Florida Keys. Rather delicate vine, but very floriferous. 25c.


J. pubescens. Somewhat similar to gracililium but larger in plant and with heavier flowers, which are freely produced. Of rapid growth. Strong plants 15c and 25c.

LETSOMIA strigosa. (Argyroa capitata.) A very robust vine with 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.

PASSIFLORA alba. One of the Passion vines. Leaves five-nerved, three-leaved; flowers white. Of rapid growth. 25c, $2.00 per doz.

F. suberosa. Flowers greenish-yellow, the short crown purple at base. Leaves usually three-leaved, 25c, $2.00 per doz.

F. variegata. Species variegated. Leaves beautifully variegated purple and green. 35c.

PETRADA volubilis. The Queen's Wreath. This magnificent vine has been cultivated for years, but is so very difficult of propagation that we have hitherto been unable to grow a stock of it. Leaves are large, sometimes evergreen; harsh to the touch; flowers produced freely in long branched panicles, of an exquisite shade of blue, changing to lavender as they appear at intervals through the year. $1.00, $10.00 per doz.

PHILIBERTILLA clausa. A twining perennnial with glossy evergreen leaves, native of Lower Keys. The flowers are pure white, very sweet-scented; borne in umbels. 25c.

PHYSOCOTIUM. Flowers of good size, white and cream-colored, in loose panicles—lovely. A very choice new plant which flowers in summer. Plants $2.50 per doz.

PYRENEUM venusta. (Hgonetia venusta.) Flame-flower. 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.

QUISQUALIS indica. Rangoon 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 seafortillatum. A medium-sized delicate vine with compound leaves and bunches of sky-blue flowers, which are followed by scarlet berries greatly desired by birds. Called in Mexico "Tomatillo." 15c, $1.50 per doz. Larger 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.

STEPHANOTIS floribunda. A famous vine with broad waxy leaves, and clusters of musky-scented, pure-white flowers; very choice for conservatories, or for South Florida outdoors. 15c, $1.50 per doz.

TECOMA capensis. This has...
pretty pinnate leaves, and produces constantly an abundance of bright red, showy flowers, 25c.

T. jasminoides. (B. jasminoides.) Very handsome vine, with glossy, dark green leaves, large white flowers, very fragrant. 50c.

T. ricasoliana. (T. mackennii rosea.) Flowers larger than preceding, about 1½ inches wide, of a lilac-rose color. 50c.

THUNBERGIA fragrans. A perennial climber with pure white, fragrant flowers about 2 inches across, 15c.

T. grandiflora. Flowers sky blue, about 2 to 3 inches across, 50c.

**VALLARIS heymelii.** (V. dichotoma.) Leaves smooth, dark-green; flowers white. A quick-grower, with attractive appearance. 25c.

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**XIII HARDY AND HALF-HARDY VINES AND CREEPERS.**

**SPECIAL NOTICE**—Those marked P. are pot-grown, the others in open ground, but all may be transplanted at any time of year. *Kraunhias* and *Tecoma radicans,* these are deciduous and should be moved in winter only. All others are evergreen.

Thus as will stand the winters of the South with little or no injury. All need wire or other support except *Bignonia chamberlainii,* B. capreolata, *E. unguis-cati,* *Buonyamus radicans,* *Ficus pumila,* and *villosa,* *Kedera helix* and *Tecoma radicans;* these cling to any solid support and are ideal for covering brick, stone or cement-finished walls of buildings, lending a charming air to homes, churches, schools, or any buildings, robbing them of the forbidding, prison-like aspect of the usual modern structure.

**BIGNONIA capreolata.** (B. crucigera.) Cross Vine. A native plant with dark green foliage, and orange-red flowers. Clings to walls or tree trunks closely. 15c, $1.50 per doz.

B. chamberlainii. P. Very pretty vine, similar to B. unguis-cati, clinging to any support unaided. Flowers deeper yellow than B. unguis-cati, with very long brown seed pods. 15c, $1.50 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. unguis-cati. (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.

**BUONYEMUS radicans.** P. This has small green leaves which turn bronze in winter. Clings to any solid support unaided. 15c, $1.50 per doz. Stronger 25c, $2.50 per doz.

**FICUS pumila.** (F. repensa.) P. 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.** P. 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. Winter blooming. Flowers are bell-shaped, pure yellow, fragrant. 15c, $1.00 per doz.

**KEDERA helix.** P. True English Ivy. 15c, $1.00 per doz.
JASMINUM officinale. Ex. or J. prostratum.) Hardly Jessamine. Small, dark-green leaves; fragrant white flowers of small size in summer. 25c.

KRAUNHIA brachybotrys rubra. (Wistaria.) A vine of easy growth with compound leaves and drooping spikes of rich, blue flowers. Were produced all summer freely. Deciduous, 1 yr. 15c, $1.50 per doz.; 2 yr. 25c, $2.50 per doz.


K. chinensis alba. A pure white form of the Chinese Wistaria. 35c, $3.50 per doz.

K. frutescens magnifica. A very floriferous form of the American Wistaria, with beautiful clustered racemes of lilac-purple flowers. 25c, $2.50 per doz.

LONICERA sempervirens. P. Coral Honeysuckle. Broad-leaved hardy vine; flowers tubular, red and yellow. 25c, $2.00 per doz.

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 purplish white, changing to creamy yellow, fragrant, and are almost ever-blooming. 1 yr. 15c, $1.50 per doz.; 2 yr. 25c, $2.50 per doz.

PASSIFLORA caerulea. P. A very beautiful hardy Passion flower, mostly blue. The flowers are faintly fragrant. Leaves 5 parted. Vigorous. 25c, $2.50 per doz.

PITHECOCTENIUM clematideum. P. Pure white, spring bloomer. Foliage compound. 25c, $2.50 per doz.

SALPICHEROA rhomboides. P. An evergreen vine from Argentina. Leaves small; flowers white. New. 35c.

SMILAX. Our native evergreen "Green-briar" or "Bamboo Creeper." Don't confound the name with the greenhouse vine, Myrsiphyllum. This hardy 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.

TEcoma radicans. (Bignonia.) 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 2 inches across. 20c, $2.00 per doz.

TRACHELOSPERMUM jasminoides. P. "Strix-jessamine." A splendid Chinese vine, with very dark-green waxy leaves of small size. Flowers borne only in spring, are produced in uncounatable numbers; pure white, heavily fragrant, about 3 inch wide. 25c, $2.50 per doz.

T. j. variegatum. P. Leaves variegated with white and sometimes with pink. 35c.

MISCELLANEOUS TESTIMONIALS.

Casa Isabel: Porto Rico, Dec., 1913.—"The balance of the plants were received yesterday and excepting Acacia Suma, are all in most excellent condition. Even the Acaela will probably live.

I am most pleased that these plants should have reached me in such good condition—all due to your careful packing."

J. M. HUGHART.

Los Angeles, Cal., Dec., 1914.—"Nearly a week ago the first section of my plants arrived in the "very pink" of condition. On Friday last I received the balance in best trim. When I opened the package a friend was present, and when he was informed how many days the plants had been on the road he would not believe it until I convinced him. You should certainly receive first prize for packing, and also for growing such strong and healthy plants, etc."

FRED WALTERS.

Hollywood, Calif., Feb., 1914.—"The plants you sent came in wonderfully good condition considering the long time they were on the way and the hardships they evidently had to undergo in being "inspected.""

Mrs. EMILY A. WILSON.

West Indies: Kingston, Jamaica, Nov., 1913.—"The mango and guava plants have arrived in excellent order."

N. HARRIS.

South Hope Gardens.

Galesburg, Ill., June, 1914.—"I received plants Monday last, and as usual not only the stock but their condition was superb."

C. Z. NEISON.
SPECIAL NOTICE—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, except in a very few instances.

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.

**ALOCASIA** macrorrhiza. * Plain green leaves of a very stiff appearance, reaching a large size. 25c.
A. macrorrhiza varegata. * Leaves variegated with white. Rare. 50c.
A. indica. (A. plumbea.) * Leaves metallic purplish green. Rare. 50c. See *Xanthosoma* and *Colocasia* for allied plants.

**AMARYLLIS.** See Hippeastrum.

**CALADIUM** marmoratum. (*Alocasia roezlii.*) 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." 75c.

**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. Our collection is one of the finest in the country.

*Mixed Seedlings: Red or Pink Centra.* 10c, $1.90 per doz.
*Mixed Seedlings: White or Flesh ground, with Gray Dots,* etc. 10c, $1.50 per doz.
*Mixed from all Sorts.* 20c, $2.00 per doz.

*New Lance-head hybrids.* Very narrow leaves, greenish yellow, touched with red and brown; a dwarf sort. 25c, $2.50 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.

**Geara.** Cream-white ground with green gloss clouded olive, scattered white spots. New.

**Coacocochee.** Bright deep pink becoming almost pure white with green border.

**Comtesse de Maille.** Metallic green listre, suffused with red, ribs red, edge green, spotted pink.

Dr. Wilhelm Miller. Red with a little green, finally attaining a very deep glowing pink color.

**Dona Carmen de Macedo.** Transparent rosy-red, green mid-rib, veins narrowly bordered by white.

**Duo de Ratibor.** Light green, pink ribs, with light spots.

**Elsa.** Changing from deep green to most intense deep pink, densely freckled crimson.

**Hildegard Nehring.** Broad leaves, white clouded green, deep red mid-rib and main nerves. In half shade almost white, in full sun suffused deep pink.

**Itacoatiara.** A grand and very distinct Caladium with jet black stems and large green leaves, suffused rich pink; chocolate-brown ribs.

**John Langwith.** Green, with creamy-white spots.
**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, transparent pink spots and blotches, covered yellowish-green.
- **Don Francisco de Soares.** The green leaves are densely colored with large white glossy blotches.
- **Faceiro.** Immense creamy white leaf clouded moss-green, blotched white.
- **Hofgartner Vetter.** Glowing red, deep green border. Very striking and pink in color.
- **Pojusca.** Transparent pink, narrow green ribs.
- **Putomayo.** One of the grandest constantly varying from deep red to transparent pink, covered with large and thousands of small blood red spots. Ribs narrow green.
- **Scrigipe.** Deep transparent rosy red, narrow yellowish red ribs, narrow green border.
- **Sorocaba.** Transparent silvery white suffused pink, green ribs and veins. Very beautiful.
- **Tocatins.** Wavy; transparent rose, narrow green border, deep, glossy green ribs bordered with a thread-like golden yellow stripe.

**Fourth Group:** Price 65c each, $6.50 per doz., assorted to suit.

- **Bahia.** Deep transparent claret-red, yellowish ribs and veins, most beautiful.
- **Diogo Botehlo.** Vivid red center, creamy yellow border. Very fine.
Ella Wheeler Wilcox. Large leaves, creamy-yellow, broad, and large; clearly transparent, beautifully striped. Fresh flowers, deep red, to the feet; 30c, or 1 doz., 20c.

Marxel. A strong grower up to 5 feet. Flowers, a superb blending of red and yellow; back of each petal a rich gold that seems to shine through the scarlet face. The appearance of an illumination from below. 25c, 8.50 per doz.

Mephisto. Very dark crimson. Flowers large, well above the green foliage. 20c, $2.00 per doz.

Mrs. Carl Kelsey. A very large grower (up to 7 ft) with green foliage edged purple. Enormous heads of flowers, or a brilliant crimson-scarlet, shaded and striped golden-yellow. 15c, $1.50 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. 15c, $1.00 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. 15c, $1.00 per doz.

Prince Weid (or Meteor, or Jean Tislot.) Grows about 3 to 4 feet tall. Flowers a vivid scarlet, very large, in large trusses, standing well up above the foliage. A splendid acquisition. 35c, 3.50 per doz.

William Saunders. A truly magnificent bronze-leaved variety; grows about 4 ft. high. The flowers are a gorgeous crimson-scarlet, of great substance and durability. 15c, $1.50 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, except Minnehaha.

Austria. The gorgeous, orchid-flowered Canna, a hybrid with Canna indica as one parent. Flowers of immense size, 5 or 6 inches across. Yellowish, rich. A very beautiful sort of easiest culture. 15c, 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. 15c, $1.50 per doz.

Indiana. A giant orchid-flowering sort, reaching height of 6 ft. Flowers glistening golden-orange, faintly striped red. The single flower often measures 7 inches across. 15c, $1.50 per doz.

Italia. Orchid-flowering; of immense size. Golden-scarlet flowers; gold and yellow, spotted brownish-red, with recurved petal of red and yellow. 20c, $2.00 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. 25c, 2.50 per doz.

Population. (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.

Placcida. Our native Orchid Canna. Dwarf habit, with clear yellow flower 3 to 5 inches across. Light green leaves. 15c, 75c per doz.

COLOCASIA antiquorum illustris. * * Closely allied to Alorasia and Xanthosoma. This grows up to 18 inches tall. Fine large leaves heavily blotched with velvety black. A splendid plant and fine for masses. 15c, $1.50 per doz.

Ella Wheeler Wilcox. Large leaves, creamy-yellow, broad, and large; clearly transparent, beautifully striped. Fresh flowers, deep red, to the feet; 30c, or 1 doz., 20c.

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so much on lawns in the North. 15c, $1.50 per doz. Extra size, 25c.

C. Himalayensis. * * Of medium size with dark purplish stems and deep green leaves. 15c, $1.50 per doz.

CRINUM. * * These magnificent flowering bulbs are closely related to Amaryllis and Paneratum. 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 Crinums, not particular as to soil or situation. 15c, $1.25 per doz.

C. augustum. Very large plant, with large umbels of pinkish-mauve, striped light. Flowers very sweet-scented. $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, $1.50 per doz.

C. Hybrida. J. C. Harvey. A fine vigorous hybrid (C. Moorei x C. Kirkii) evergreen, partaking in habit almost equally of both parents; harder than C. Kirkii; adapted as well to tropical conditions as to more temperate climates. Flowers rose-pink, nearly as large as C. Moorei; more drooping in habit; not unlike Amaryllis Bella-donna, 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 $1.00.
C. pedunculatum, "St. John's Lily." A large plant evergreen with broad heavy foliage quite decorative in itself. Flowers pure white, narrow petal-like, crowded in large axillary clusters. A very able plant of an unusually hardy nature. Large bulbs only. 50c to \$1.00.

C. viginicum. 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. 25c, $2.00 per doz.

EUCARIS grandiflora. (amazonica.) The Amazon Lily. A very choice broad leaved evergreen plant, flowers pure white in umbels in Spring. 50c.

GLORIOSA superba. * * Ginger Lily, Butterfly Lily. This magnificent plant flourishes best so long as the location is 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 parcel post.

HEMAOCAULIS. The Yellow Day-Lilies. Old favorite plants for borders and beds beloved of our grandparents, 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. flavum. Dwarf Orange Lily. Stems 1 to 2 ft. high. Flowers orange, marked red-brown on the outside, blooms the earliest of all, and is shown at the fair. This is sometimes listed as Sibold's Lily.

H. fulva. fl. pl. * * The double flowered form of the Tswyu Day Lily. Flowers bright orange-yellow, very freely borne in early summer. This is a valuable hardy border plant; will grow anywhere.

HIMELECASTRUM equestre. * * (Amaryllis.) Flowers large, bright red; of easy growth. 15c, 1.50 per doz.

X. Nehringi's Hybrids. * * This is a very superior strain from many years' work in hybridizing the finest varieties of the whole world. Dr. Nehring 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 April, and are large flowering bulbs 75c. $7.50 per doz. From mixed stock 50c. $5.00 per doz.

X. johnsonii. A splendid old species of richest crimson-scarlet flowers, striped with white. Flowering bulbs, 35c, $3.50 per doz.

HYEMOCALIS caribbean. * (Pancratium caribbean.) 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. 15c, 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 costus and rarest orchid flower. Blooms in spring. 10c, $1.00 per doz.

KAEMPFERIA gibbera. * * Leaves like a Cardamom, sometimes variegated; flowers of 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.

REINICKIA carneum. * * A tufted plant with creeping rootstalk, with grassy leaves, and rosette-like, fragrant flowers; from China. A useful plant for small borders. 15c, $1.50 per doz.

SAGARICARDA africana. * * "Lilyflower." Grows like a lily, 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 Xanthosoma 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. Extra large 60c.

X. maculatum. (Formerly listed as Alocasia abaca aureo-maculata.) * New. The immense pale green leaves are variegated with creamy yellow, and the leaf-stem tinted violet, also variegated. Very striking. 15c, $1.50 per doz. Larger 25c, $2.50 per doz.

X. marshallii. * (Sometimes called X. "Emerald." ) Very quick-growing, of medium size. Green leaves and dark stems; an especially good borderer 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, the most attractive, very beautiful bedding plant. 10c, $1.00 per doz.; larger 15c, $1.50 per doz.; extra large 25c, $2.50 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 25c, $2.50 per doz.; extra sized 35c.

FLORIDA TESTIMONIALS.

St. Petersburg, Fla., Feb., 1911.—"Stock from you received; everything in the very best condition, and are glad to say was boxed and packed in the finest shape of any we ever received." P. J. McGaugh & Son.

Buena Vista, Fla., Dec., 1913.—"Palms received in fine condition, and I desire you to accept my thanks. I want you to know I appreciate it," etc.

J. T. GRIEMEN, Supt. for Wm. Diering.
SPECIAL NOTICE—These are all pot-grown, except Stereospermum suaveolens, and may be transplanted at any time of year.

Suitable only for frostless regions, or for growth in large conservatories. A few are used as decorative pot-plants when small, as Ficus, Gravillea, Jacaranda, and others. There are also some fruit and economic trees suitable for shade; note especially Mammea americana, Mangifera indica, Persea gratissima, Tamarindus indica, in Dept. 1; Adenanthera, Aleurites, Caesalpinia sappan, Cedrela, Eriodendron, Eucalyptus, Partitium, Pithecolobium, Sapindus, etc., in Dept. III.

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 lebek. 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. 35c, $3.50 per doz.

AMERICANUS sissoo. (Dalbergia sissoo.) A leguminous tree from India, which furnishes very valuable lumber. It makes a fine shade tree. 25c, $2.50 per doz.

ANDIRA inermis. The Cabbage Tree. Foliage compound, evergreen; flowers in huge racemes, lilac-like, with a peculiar smell. Rare. $1.00.

A. jamaicensis. A very valuable shade and lumber tree from Jamaica, from 30 to 50 ft. tall, with flowers of a reddish yellow 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 pink, resembling a Magnolia grandiflora in size. 50c.

CALOPHYLLUM calaba. * * * E. T. Calaba tree of West Indies. Grows 30 ft. high, bearing elegant white blooms. Broad-leaved. 50c, $5.00 per doz.

Cassia siamica. (C. florida.) An ornamental small shade tree from the Philippines, with pinnate leaves and showy flowers in terminal clusters. New. 35c, $3.50 per doz.

CASTANOSPERMUM australis. The Moreton Bay Chestnut, from Australia. Has immense compound leaves; is of rapid growth, and handsome. 75c.

CROTON sylvatica. Newly introduced. $1.00.

CRYPTOCARYA woodii. A small tree with slender branches. Leaves broadly elliptical, 1 to 2 inches long. New. $1.00.

DELONIX regia. 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.; 2 yr. 25c, $2.50 per doz; extra size 35c.

DILLENIA indica. A large Indian tree of splendid shape; gives dense shade. Large, rough leaves resembling a loquat. The large acid fruits are used in jelly making. 50c, $5.00 per doz.

DIOSPYROS montana. A large tree from India; leaves oval, or oblong, of yellowish-green color.

EUCALYPTUS. See Dept. III.

EUGENIA floribunda. A white-flowered tree from East Indies, of small or medium size. Leaves lanceolate or oval, glabrous. Sometimes called "Guava-berry." 50c.

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, 50c and $1.00.

F. aurea. Our native Wild Rubber Tree. A very interesting and beautiful species, forming dense shade trees in South Florida. 25c, $2.50 per doz.; larger 35c, $3.50 per doz.

F. australis. Rounded leaves, which in full
sun have a russet under-surface. Makes a fine tree, very dense. 6 ft. and up.

F. benjamina. Recently 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, 25c, $2.50 per doz.; 15 to 18 inches high 50c, $5.00 per doz.; extra size at $1.00, $10.00 per doz.

F. cunninghamii. Obovate-oblong leaves, about 4 to 6 inches in length. A fine tree of upright habit. 35c.

F. elastica. India Rubber Tree. See Dept. III.

F. indica. From India. One of the finest shade trees, with long, glossy leaves. Will do well in extreme South Florida outdoors. 1 ft. high 25c, 2 ft. 50c, 3 ft. 75c.

F. macrophylla. Moreton Bay Fig Tree, from Australia. Resembles F. elastica slightly, but has pointed leaves and yellow sheaths and petals. 50c and $1.00.

F. religiosa. Sacred Bo Tree of India. Leaves pointed like a Poplar. Of rapid and shapely growth; fine for street planting. 50c, $5.00 per doz.

GLIRICIDIA maculata. Madre. Alternate, compound leaves; pink flowers resembling the Black Locust. Of medium size. 25c, $2.50 per doz.

GREVILLEA robusta. Australian Silk Oak. A splendid fern-leaved tree, growing 120 feet 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 magnificient 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.

HOLOPHELDA integrisfolia. A large tree up to 65 feet in height, with handsome drooping branches, commonly known as "Indian Elm." 35c, $3.00 per doz.

HURA crepitans. The Sand Box Tree of the West Indies. A medium sized tree reaching about 40 feet, with poplar-like leaves and large clusters of small, white flowers. 1 yr. 25c; larger 50c.

JACARANDA mimosifolia. A splendid tree with compound, fern-like leaves, allied to Bignonia, with clusters of blue flowers. 35c.

LONGCHOCA RUSPUS sp. Cuba. A tree with large, compound leaves; evergreen. Fine stock. 6 to 7 ft. high 75c, $7.50 per doz.

LUCUMA sp. Cuba. A broad-leaved evergreen of good style. Trees 3 to 5 ft. high 50c, $5.00 per doz.

NYCTANTHES arbor-tristis. The Sad Tree, of India. A rare and interesting tree. 50c.

ORMOSIA dasyacarpa. The Necklace Tree, of Jamaica. A small tree, or large shrub, with pleasant flowers and large blue flowers, in June. Very choice, 50c, $5.00 per doz. 75c.

OXOXYLUM indicum. A tree related to Bignonia, reaching a height of 40 ft., with compound shining leaves. Flowers large, with striped petal in racemes. 35c, $3.50 per doz.

PACHIRA aquatica. (Carolinea princeps). A large tree of quick growth from South and Central America. Leaves shining green, alternate; flowers pink and white, of large size. Fine trees 75c, $7.50 per doz.

PARMENTIERA cerifera. Candle Tree. A small tree of tropical America, with light-green leaves, suggesting the Birch. Bears remarkable candle-like yellow fruits, produced from the stem and branches, twice a year. 50c, $5.00 per doz.

PRUNUS lourina. A dense-growing tree with very small pointed leaves, differing from anything we have seen. From India. Very bushy, strong stock. 75c, $1.00 and $1.50.

PETRYGOTA alata. (Sterculia alata.) New from India. Large, pointed, coriaceous leaves of striking beauty. This quick reaches maturity, forming a large, fine shade tree for frostless places. Evergreen 35c; very large $1.00 and $1.50.

SARACA cauliflora. A rare shrubby tree, with splendid masses of scarlet flowers; exceedingly attractive. $2.00.

S. indica. Flowers fragrant, changing from yellow to orange and red. Young leaves pendulous. Both this and preceding species prefer a partly shaded position. $1.00.

SCHIZOLOBIUM excelsum. A tall, magnificent foliage tree from Brazil. $1.00.

STERCULIA foetida. A handsome tree of tall growth from tropical Africa; foliage attractive, and flowers large, dull red. Young stock 25c, $2.50 per doz.; 2 yr. 50c, $5.00 per doz.

STREPTOSPERMUM sp. arboreum. A tree with immense, spreading compound leaves, and dull crimson, very fragrant flowers. 50c.

STREPTOCORDON guineense. A leguminous tree of small size from South America. Branches pendulous, sometimes of a twining habit. $1.00.

SYZIGIUM smithii. A small tree, resembling a large myrtle. Flowers appear in winter, and the charming clusters of blue berries succeed them in spring, bending down the twigs with their weight. Evergreen; leaves 2 to 3 inches long. 50c.

THESEPSIA populina. A small-sized tree resembling a Poplar, sometimes called the "Poplar Tree" in Ceylon. Used as a street tree. 15c, $1.50 per doz.

TRICHLIA sp. arboreus. Butterwood Tree. Leaves pinnate; flowers greenish-yellow. A small sized tree of tropical America. 2 to 3 ft. 50c, $5.00 per doz.; small 25c.

TRIPLARIS americana. 7 to 9 ft. $1.00.

TESTIMONIALS FROM THE NORTH.

Mieso, N. Dak., Nov. 1913.—"The plants were received from you a short time ago in the finest kind of shape, and I take this opportunity to thank you for the nice Scaforthia sent extra." A. H. KURTH.

Citizens Bank.

Babylon, N. Y., May, 1914.—"The shipment of plants arrived on Thursday, and I wish to express my very great satisfaction with the manner in which you filled the order, and the way in which the plants were packed and shipped.

Your selection, both as to size and condition is satisfactory in every way, and they arrived in good shape, large and large." A. H. Harbin.

Westfield, N. Y., April 1, 1914.—"Not since the last Christmas stocking, when Santa Claus was a real personage, have I had such delightful opening packages as when the box from you arrived. The careful packing insured the good condition of the plants; your method of growing, their quality—and as to those marked "X" please accept my heartiest thanks." etc.
HARDY AND HALF-HARDY SHADE TREES

SPECIAL NOTICE—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.

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 mukrosi, in Department III.

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. 25c, $2.50 per doz.; 3 to 4 ft. 35c, $3.50 per doz.; 4 to 5 ft. 50c, $5.00 per doz.; 5 to 8 ft. 75c, $7.50 per doz. This grows well on high land as well as in a swamp.

BROUSSEOTIA 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.; 3 to 4 ft. 50c, $5.00 per doz.; 4 to 6 ft. 75c, $7.50 per doz.; 6 to 8 ft. 1.50.

C. orientalis. Small evergreen tree with leaves rough above and silvery pubescent beneath and bearing small round black berries. 1 1/2 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 saligna. (C. 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 feroc P. This is nearly related to the Honey Locust, and is protected by very queer branched thorns. Grows to 50 ft. in height.

GORDONIA lasianthus. Lobolly 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. 50c to $1.00.

GREVILLEA robusta. Silk Oak. Fairly hardy for all of Zone 2, see map page 2, and Dept. XV for prices, etc.

ILEX cassine. (I. 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 and 35c.

P. opaca. The Southern Holly. Leaves prickly; berries scarlet, and always in demand for Christmas decorations. Transplanted, 3 yr. old, 25c, $2.50 per doz.; 3 to 4 ft. 35c, $3.50 per doz.

LIQUIDAMBAR styraciflua. Sweet Gum Tree. Hardly throughout the South. Naturally grows in a swamp, but thrives on high land as well. A splendid tree for street planting. Leaves handsome, maple-shaped, deciduous. 2 to 3 ft. 25c; 3 to 5 ft. 35c; 5 to 6 ft. 60c; 6 to 7 ft. $1.00.

MAGNOLIA grandiflora. (Some

Water Oak at Royal Palm Nurseries.
P. The Magnolia. The most magnificent of all our Southern broad-leaved evergreens. Flowers 6 inches across, pure white, with a rich lemon scent. Young pot-grown stock 35c, $2.50 per doz. From open ground 25c, 35c, 50c, $1.00 and $2.00.

M. gianca. White Bay. Also evergreen; a smaller tree than preceding. 25c and 50c.

MELIA azedarach, var. unbracalifornia. Umbrella China Tree. A very showy, 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.

NERIUM oleander. May be used for small trees by training up when young. See Dept. XI for full list.

PARKINSONIA aculeata, P. A small leguminous tree with delicate long plumate leaves and great masses of bright yellow flowers. Thrives on highest, driest and poorest lands. A grand sight when in full bloom. 50c, $5.00 per doz.

PERSEA carolinsis. 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. From open ground, 35c and 50c.

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. 35c, $3.50 per doz.; 4 to 5 ft. 50c, $5.00 per doz.; 10 to 20 ft. $1.50 to $4.00.

POPLUS deltoides. Carolina Poplar. A straight, upright tree with pyramid 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 4 ft. 35c, $3.50 per doz.; 5 to 7 ft. 50c, $5.00 doz.

STILLINGIA sylvatica. (Sapium sebiferum) 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. See Dept. III for prices.


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TESTIMONIALS FROM THE SOUTH.

Orlando, Fla., 1914.—"The trees came in good condition and I never saw a thriftier bunch of stock. They came out in leaf in just a few days and are growing nicely. Thanking you for promptness and compliments," etc.

Miami, Fla., Apr., 1914.—"I received the Royal Palms and was well pleased with them; they were a fine lot. Thanks for extras."

Henry Coppinger.

Sutherland, Fla., June, 1914.—"My plants came today and I feel that you deserve to be told that I am pleased with them. They were packed beautifully and came as fresh and untramped as though I had just dug them up. They were also a little larger than I had dared to hope, and I also appreciate the extras which I did not order," etc.

Mrs. K. P. Elsham.

Honea Path, S. C., May, 1914.—"Was very much pleased with flowers bought from you last season, and enclosed order for plants," etc.

Miss Ella Brock.

Lakeland, Fla., May, 1914.—"The collection of palms have been received and I would advise that they are satisfactory in every respect."

G. E. Southard, Jr.

Later, July, 1914.—"I would further say that all plants purchased from you came in excellent condition and all have lived, same continuing their growth with apparently no set back whatsoever."

G. E. Southard, Jr.

Hawkinsville, Ga., July, 1914.—"I was very much pleased with the plants, as I usually am with all your plants."

Mrs. Morgan Thompson.

Newnan, Ga., April, 1914.—"The plants sent by parcel post were all very nice indeed. Please send me the following:"

Mrs. Caldwell.

Bartow, Fla., July, 1914.—"I duly received the plants, and thank you for them. They came to hand in good shape and seem to be very nice plants indeed."
Succulents and Epiphytes

Aechmea marie-reginae. (Vriesia.) 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.

Aloe arborescens. (A. fruticosa.) 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 25c, 50c and 90c.

A few unnamed species at 25c to 50c.

Bromelia pinquin. Has the appearance of a large Pandanus, with deeply-serrated leaves, and crown of center when mature. Large specimens 50c. $1.00 and $1.50.

Bryophyllum 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 100.

Cerces tamponse. The Night-Blooming Cereus. Cylindrical or 8-sided succulent growths without true foliage; flowers white about 5 to 6 inches across. Will climb on tree trunks or any support. 15c and 25c.

Cereus triangularis. This is also a night-blooming cereus, resembling the preceding, and sometimes called Strawberry Cereus. Flowers 3 to 4 inches high. Leaves narrow, armed. Large, 75c to $2.00.

Cerastium tomentosum. A handsome and striking plant 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. neglecta. Rich, blue-green leaves, wide and gracefully recurved. The handsomest 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 few rare unnamed species, 25c to $1.00.


Ferocactus. The Ferocacti 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 plant 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 30 feet. Very beautiful at all stages. The leaves produce a valuable fibre. Fine plants $2.00.

F. indica. A splendid, variegated species of peculiarly elegant appearance. The broad stripes of white show off very clearly. Rare new plant of recent acquisition, very 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.

C. 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; 25c, $1.00 per doz.; large plants, 25c, $2.50 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; 1½ 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. 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. Not a large plant. growing about 2 to 3 feet high. Flowers white, about 3 inches long, agreeably scented. A fine house plant. 25c and 50c.

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 karwinskana. This resembles a Bromella or Tillandsia, with leaves up to 2 feet long. Flowers red, small, in dense racemes. Fine plants 50c.

P. xanthocaylx. $1.00.

RHIPSALIS saglionis. Rice Cactus. A slender jointed plant, very much branched, presenting a very unique appearance. 25c.

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; 10c 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. caespitosa. A species with long, grass-like leaves varying in color from gray to red; usually found in moist places. 10c.

T. fasciculata. (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 queer 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. 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, bronched 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, 16c; 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.

**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. filamentos, but are borne on a shorter stalk. Fruit aromatic, sometimes 15 to 20 feet high. Very ornamental, even when small. Will bear much neglect. 15c, 25c, 50c and $1.00.

**Y. filamentos. 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.

### PROPER DISTANCES FOR PLANTING NURSERY STOCK


Yerbabuenas, Hardy Guavas, Kii-Apples, Marmalade Box, Feijoa, Flgs, Pomegranates, Kumquats, Bananas, 10 to 15 ft. each way.

Shade Trees, 25 to 50 ft. in rows.

Conifers, 15 to 25 ft. in rows or groups.
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ROYAL PALM NURSERIE
ONECO · FLORIDA

COMMON GUAVAS

SEEDLING MANGOS