

36688 to 36715—Continued.

a spoon, and the flavor is said to be excellent. Its season here is December. It bears good crops here, in spite of a fungus which attacks the flower spikes."

See S. P. I. No. 36841 for another introduction and Plate IV for an illustration of the fruit of this mango.

36689. CITRUS SINENSIS (L.) Osbeck.**Orange.**

"(No. 38. Bahia, Brazil. December 4, 1913.) Navel orange from plat 2, tree 6-1, Col. Frederico da Costa's grove, Matatu. Tree 13 feet high, 15 feet spread, trunk 18½ inches in circumference. Foliage dense and dark green. On it were 44 June-crop fruits and 327 of the December crop, making a total of 371 fruits. The fruits are very uniform and show little or no variation in type. Fruits very evenly distributed all through the tree. Navel very small in size. Very little mottle-leaf and very few small dead branches. Tree 8 years old. This tree is a very promising type of navel and should be given a thorough trial in California for an improved type of navel orange. The fruits are the best in quality in all respects of any of this variety yet tested here."

Bud sticks.

36690. MANGIFERA INDICA L.**Mango.**

"(No. 3. Rio de Janeiro, Brazil. October 25, 1913.) Bud sticks of the *Augusta* mango, from the nursery of Eickhoff, Carneiro Leão & C. This variety, like *Carlota*, is not considered as good as *Itamaraca*, though of larger size. Its season is December."

36691. CITRUS SINENSIS (L.) Osbeck.**Orange.**

"(No. 39. Bahia, Brazil. December 4, 1913.) Navel orange, plat 2, tree 11-1, Col. Frederico da Costa's grove, Matatu. Tree 11 feet high; 13 feet spread; circumference of trunk 13¾ inches; headed 16 inches from the ground. Foliage very dense; dark green in color. On it were 50 June fruits and 59 of the December crop, making a total of 109 fruits. In addition, we found many flowers, fruits just set, and very small, medium, and large fruits on this tree. The fruiting habit of this tree seems to tend toward production all the year round. For this reason this type should be tried in California with a view to securing a type which will fruit during a longer period than the Washington navel."

36692. CITRUS SINENSIS (L.) Osbeck.**Orange.**

"(No. 40. Bahia, Brazil. December 4, 1913.) Navel orange from plat 2, tree 8-4, Col. Frederico da Costa's grove, Matatu. Tree 13 feet high, spread 18 feet, circumference of trunk 20½ inches. Foliage very dense and dark green. On it were 262 June-crop fruits and 21 December-crop fruits; the latter, in this case, will probably not ripen until March or April, or even later. The entire crop of this tree could, without exception, be included in the June crop. This very great difference in habit of fruiting from neighboring trees led us to secure bud sticks for propagation, in the hope of securing a type of navel which will fruit in California at a different season from existing types. Very little gum disease or mottle-leaf and very few small dead branches. Tree 8 years old and in very healthy and vigorous condition."

For an illustration showing the manner of growth of the navel-orange tree and the ultimate size which it attains at Bahia, Brazil, see Plate V.

36693. ACROCOMIA SCLEROCARPA Mart.**Palm.**

"(No. 21. Rio de Janeiro, Brazil. November 4, 1913.) Fruits of a Brazilian palm, sold in the market here. The outer shell is removed and the firm, white flesh surrounding the seed is eaten."