

37746 and 37747—Con. (Quoted note by Mr. Dorsett and others.)

and Hometown, about 2 miles from the coast. It had been recently planted in this location for a permanent fence between the road and a farmyard. The plants were young and probably did not show their habit of growth very well. Pads covered with very abundant, long, light-yellow spines."

37748 to 37798.

From Brazil. Collected by Messrs. P. H. Dorsett, A. D. Shamel, and Wilson Popenoe, of the Bureau of Plant Industry. Received April 13, 1914. Scions (except as noted) of the following; quoted notes by Messrs. Dorsett, Shamel, and Popenoe.

37748 to 37793. CITRUS spp. Rutaceae.

37748 to 37751. CITRUS SINENSIS (L.) Osbeck. Navel orange.

From the grove of Dr. Fortunato da Silva, at Cabulla, Bahia.

37748. "Select tree No. 1. A tree about 12 years old, 16 feet in height, 16 feet in spread, with a trunk 20 inches in circumference near the ground. It is headed 2 feet above the ground and in habit of growth is spreading and drooping. The foliage is very dense, dark green in color; no spines. The June crop is 241 fruits and the December crop 65 fruits. One fruit has an abnormal shape, namely, a sunken section. A typical fruit weighs 400 grams, is $11\frac{1}{2}$ inches in circumference, $3\frac{1}{4}$ inches in diameter. The skin is one-eighth of an inch thick, the core being one-half of an inch in diameter. In form the fruit is spherical, flattened at the blossom end; button flush with surface, blossom flush with surface. When ripe the skin is yellowish green, flesh rich golden, surface smooth. Rag tender, juice very abundant, one fruit containing 150 c. c. Flavor sweet, quality good. Seeds, none. Navel three-eighths of an inch in diameter, opening three-sixteenths of an inch in diameter. This tree and select trees Nos. 2 and 3 in the same orchard are growing in the vicinity of a stable and probably receive more than the ordinary amount of manure. They were selected on the basis of large production of a fine quality of fruit. The trees are of very thrifty appearance, with an abundance of dark-green, healthy foliage. Few scale or other insect pests, fungus diseases, or plant parasites were found on these trees, indicating an apparent resistance to these enemies of the orange tree in this section, where no treatment for scale or plant parasites is ordinarily given."

37749. "Select tree No. 2. A tree 15 feet in height, 16 feet in spread, of erect habit of growth. It is about 12 years old, with a trunk $17\frac{3}{8}$ inches in circumference near the ground. It is headed 28 inches above the ground and the foliage is dense, deep green in color; no spines. The June crop is 113 fruits and the December crop 107. There are no apparent variations among the fruits, a typical one of which weighs 440 grams, is $12\frac{1}{4}$ inches in circumference, and in diameter is $3\frac{1}{8}$ inches. The skin is three-sixteenths of an inch in thickness, and the core is nine-sixteenths of an inch in diameter. In form the