

† *R. regia* var. *maisiana*, var. nov. Figs. 207 cd, 210, 211.

Alta, vix ventricosa, coma non prominenter pendens, fructus breviter elongato-globosus, semen fere non adhaerens: flores staminati fere majores quam in *R. regia*.

Slender tree to 20 m., the bole bearing little indication of swelling above the base: crown small, of 8-12 wide-spreading leaves, the lower ones arched



FIG. 218. SLENDER SPADIX, with narrow hanging branches, of the morass royal.—*Rostkya princeps*, Jamaica. Page 379.

downward but not prominently drooping so that the flower-clusters and crownshaft are well exposed: flower-cluster or spadix with many slender over-arching or drooping branches that are not undulate: staminate buds at maturity about 6 mm. long, being slightly larger than in *R. regia*: fruit short-oblong-globose, 13-14 mm. long and 10-11 mm. thick; seed mostly loose in the shell or endocarp, the raphe stramineous, fimbriate and resembling a coccid-like patch.

Los Llanos (El Veril and vicinity), Oriente, at the extreme eastern end of Cuba on the plateau back of the rugged escarpment facing Cape Maisi, at about 1500 feet altitude; abundant in the woods and sometimes seen in open areas where the forest has apparently been cleared as in Fig. 210 (Bailey no. 15143). The tree looks very different from the accustomed forms

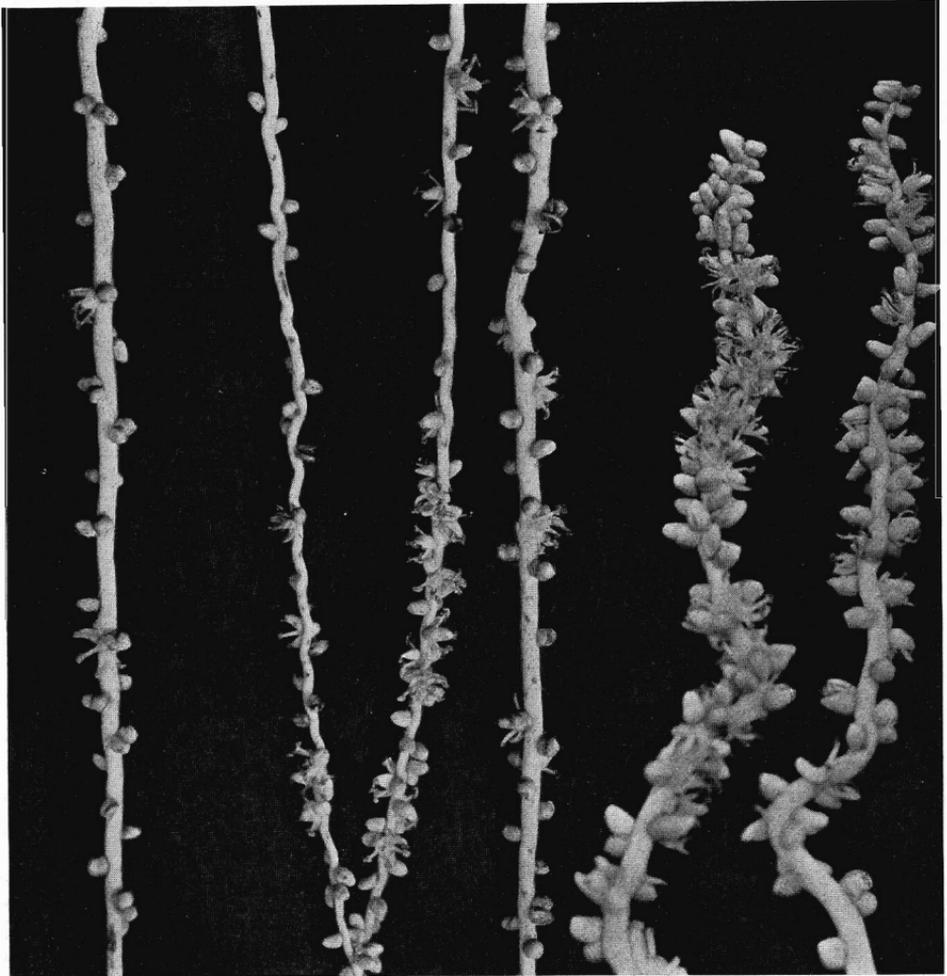


FIG. 219. RACHILLÆ IN FLOWER of *Roystonea princeps*, four left, and of *R. jamaicana*, right. About natural size.

of *R. regia* and may be specifically distinct; *R. regia* itself is in some of the openings and about buildings at that locality, probably introduced.

† *R. regia* var *pinguis*, var. nov.

Altissima: alabastra staminata 7-8 mm. longa: fructus magni, 14-15 mm. longi, 10-11 mm. crassi, mesocarpium valde oleaceum: semen paene vel omino non adhaerens.

Tree very tall, 30-40 m., 55 cm. diameter near base: fruits large and thick, 14-15 mm. long and 10-11 mm. thick, subglobular and hardly narrowed at base, mesocarp ample and oily, seed essentially globular, nearly free from endocarp or shell, raphe-figure very large: staminate buds large, to 8 mm. long: rachillæ somewhat wavy.

Banks of Imías River, Oriente, Cuba. *Brother León* no. 14248.

3. *Roystonea Jenmanii*, Burret, in Engl. Bot. Jahrb. lxxiii, 76 (1929).

Fig. 212.

*Euterpe Jenmanii*, C. H. Wright, in Kew Bull. 1906, 203.

Trunk of medium height lacking very prominent bulge: crown open, not densely foliated, the lower leaves not heavily covering the flower-clusters: pinnæ very narrow, from 5-25 mm. broad, the nerves showing strongly: staminate buds 7 mm. long: fruit small and pea-like, very nearly globular, 8, 9 or 10 mm. across, black at maturity.

Recognized only in Georgetown, British Guiana, whence it was sent to Kew by George S. Jenman, Superintendent of the Botanic Gardens; nativity unknown; perhaps a hybrid, or a mutant from *R. regia*. "Jenman found three plants of this species growing on one of the parapets in the centre of the city of Georgetown from which he obtained fruit and raised a batch of seedlings."—*J. F. Waby* in Journ. Bd. Agric. Brit. Guiana, xii, 54 (1919).

This tree, *R. Jenmanii*, is probably in other botanic gardens, as Trinidad and Dominica, among the variety of palms known as *regia*.

4. *Roystonea borinquena*, Cook, in Bull. Torr. Bot. Club, xxviii, 552 (1901). PUERTO RICO ROYAL PALM. Figs. 213, 214, 215, 216.

*Oreodoxa charibæa*, Becc. in Pomona Coll. Journ. Econ. Bot. ii, 263 (1912).

*Oreodoxa borinquena*, Reasoner; Bailey, in Stand. Cyclo. Hort. 2405 (1916).

*Roystonea caribæa*, P. Wils. in Bull. N. Y. Bot. Gard. viii, 385 (1917), as to plant (see *R. oleracea*).

Stocky mostly straight tree of medium height, to 18 m. tall and 60 cm. diameter at base, the gray bole usually spindle-shaped or somewhat thickened at middle: head fairly heavy although not so dense and well furnished as the best crowns of *R. regia*, the large leaves spreading-arching and the lower ones hanging but usually not completely hiding the crownshaft and flower-clusters: leaves to 3 m. or more long and to 2 m. broad, more or less glossy, pinnæ numerous in double series; pinnæ about 1 m. long and narrow,