

47214 to 47220.

From Southern Nigeria, Africa. Presented by Mr. A. H. Kirby, assistant director of agriculture at Ibadan. Received March 6, 1919.

47214. *ANNONA SENEGALENSIS* Pers. Annonaceæ.

"*Abo*. No European production in any way represents the *Annona senegalensis* with its large, blue-green leaf and its small fruit. The fruit contains an aromatic, dark-red pulp, and in a modest degree displays something of that captivating quality which has exalted its kindred plant, the cherimoya of Peru, to its high repute as the queen of fruits. It must be owned, however, that it is difficult to obtain a well-developed example of this fruit, for so keenly is it spied out and devoured by the birds that often for months together it may be sought in vain." (*Dr. George Schweinfurth, The Heart of Africa, p. 222.*)

For previous introduction, see S. P. I. No. 46630.

47215. *CRACCA VOGELII* (Hook. f.) Kuntze. Fabaceæ.
(*Tephrosia vogelii* Hook. f.)

"*Kassa*," "*Igun*," etc. For vernacular names, see the work by Holland cited below.

"Used for stupefying fish . . . throughout tropical Africa. The methods adopted are much the same everywhere. The leaves and branches are pounded and thrown on the surface of the water, causing the fish to rise to the surface stupefied or dead a few minutes afterwards. They [the fish] are quite wholesome and fit for food.

"The following passage [extract from Report on Gongga Country by Inspector Armitage] gives an account of the use of 'kassa' in the Gongga Country: 'A stretch of about half a mile of water is dammed and any alligators in it killed; the people from the neighboring villages assemble, each bringing a bundle of kassa leaves which are beaten to a pulp, taken to the prepared stretch of water, and thrown in. Men then enter the water and splash about, and in about 10 minutes fish begin to appear on the surface and are collected in baskets or by hand. The largest fish are taken in this way. The skin of the men who enter the water into which the kassa has been thrown is affected by the latter and becomes rough, or, as they say, like a stick.'" (*Holland, Useful Plants of Nigeria, pt. 2, p. 196.*)

47216. *SPATHODEA CAMPANULATA* Beauv. Bignoniaceæ.
"*Oruru*."

A strikingly handsome tree, 20 to 70 or more feet high, with smooth white stem without branches for a considerable height from the ground and a luxuriant conical head of foliage, all studded with large flowers of a bright orange scarlet. One of the most beautiful trees in Angola, flowering from September to the end of May and fruiting in June and July. Suitable for avenue or as a shade tree. Grown from seed which is winged, light, and freely distributed by the wind. (Adapted from *Holland, Useful Plants of Nigeria, pt. 3, p. 509.*)

47217. *STROPHANTHUS GRATUS* (Wall. and Hook.) Baill. Apocynaceæ.

A handsome flowering plant; it may be propagated by seeds which are distinguished from the *Strophanthus* seeds of commerce (*S.*