

## 52510 to 52513—Continued.

lected before maturity. The tree is about 25 feet high, with fruits the size of a large cherry."

52511. *INGA LAURINA* (Swartz) Willd. Mimosaceæ.

"A small ornamental tree native to South America, which is cultivated in Singapore."

A tropical American tree, 9 to 15 meters high, with leaves composed usually of four leaflets; the flower clusters are longer than in other members of this genus. As a shade tree for coffee this species is second in importance only to the "guava" (*Inga vera*). Specimens have been found, in some cases at least, with tubercles on the roots. The tree is one of those employed in the cacao cultivation of Guadeloupe in making hedges or windbreaks which are planted across the direction of the prevailing winds at distances of 100 meters. (Adapted from *Cook and Collins, Economic Plants of Porto Rico, Contributions from the U. S. National Herbarium, vol. 8, p. 167.*)

52512. *LAGERSTROEMIA* sp. Lythraceæ.

"A small tree with exceedingly ornamental flowers which are very large and purplish pink. It is found in the dry jungle of Korat."

52513. *SINDORA* sp. Cæsalpiniaceæ.

"A tree growing in the dry jungle of Morat, eastern Siam. It is quite ornamental, and the pods are spineless."

52514. *HYDROCARPUS CASTANEA* Hook. f. and Thoms. Flacourtiaceæ.

From Moulmein, Burma. Seeds collected by J. F. Rock, Agricultural Explorer of the United States Department of Agriculture. Received February 21, 1921. Quoted notes by Mr. Rock.

"A large tree 50 to 80 feet in height with smooth light-brown bark and fruits the size of a large orange, ripening from March to July. Only one tree among thousands was found with ripe fruits on January 7, 1921. It was loaded with ripe and semiripe fruits. The tree grows on steep rocky hills along water-courses near the Karen village of Oktada, several miles from Paung, in the Martaban Hills, on the Kalama Mountain Range. The trees must be planted in gravelly, well-drained soil.

"Strange to say, the people in Moulmein know nothing about this tree, and the superintendent of the leper asylum here did not know that the tree grows at all in Burma. The foresters I met in the jungle never heard of the name *kalaw*, which is the Burmese name of the tree. Many of the Burmese I interrogated knew the name but not the tree; they knew the seeds from the bazaars where they are sold. Only people actually making a living by collecting these seeds can give information."

For a full discussion of this tree, see "The Chaulmoogra Tree and Some Related Species," United States Department of Agriculture Bulletin No. 1057.

## 52515 to 52529.

From Groningen, Netherlands. Presented by C. Broekema, director, Groninger Zaaizaadvereeniging. Received February 2, 1921. Quoted notes by Mr. Broekema.

52515 and 52516. *AVENA SATIVA* L. Poaceæ.

Oats.

52515. Seeds of a form of oats with a light husk.

52516. Seeds of a form of oats with dark husk.