

CASTANEA spp. (Fagaceae), **Chestnut**. 56080 to 56082, 56119, and 56128. From Yunnan, China. Seeds collected by J. F. Rock, Agricultural Explorer of the Bureau of Plant Industry. Quoted notes by Mr. Rock.

56080. CASTANEA sp. "(No. 6682. September 29, 1922.) A tree 60 to 100 feet tall with trunks 4 to 5 feet in diameter and hard, tough, dark-brown wood, found at an altitude of 8,200 feet and very common $4\frac{1}{2}$ days west of Talifu, beyond a village called Paitoupu and 40 li (12 miles) from Yungping, where it forms dense forests. The leaves are large, broadly ovate, coarsely serrate, glossy above and silvery beneath. The burs are borne in spikes, with thick, green, short spines in spiral ridges, similar to those of *Castanea armata*. The nuts are small, something like those of the chinquapin, and very sweet and palatable. The natives cut the tree for firewood a foot above the ground; it ratoons very freely, sending forth shoots from the old stump. I have examined many trees and found no evidence of disease in this species. The timber is used for building purposes."

56081. CASTANEA sp. "(No. 6683. September 30, 1922.) A tree 50 to 60 feet high, with a straight trunk 1 to $2\frac{1}{2}$ feet in diameter and ascending branches, found in yellow clay loam in forests 20 li (6 miles) from Paitoupu, $4\frac{1}{2}$ days west of Talifu, at an altitude of 8,200 feet. The dark-green leathery leaves are very handsome and the numerous burs, larger than those of S.P.I. No. 56082, are borne in lateral spikes. The nuts are very sweet and delicious. These trees are perfectly healthy. Trees of this species are also found on the western slopes of the Tsangshan range, but their fruits are all attacked by worms."

56082. CASTANEA sp. "(No. 6683a. September 30, 1922.) A tree 50 to 60 feet high with a straight trunk 1 to $2\frac{1}{2}$ feet in diameter, found in the mountains 20 li (6 miles) from Paitoupu near a hamlet called 'Shiao shui.' The green leathery leaves are very handsome. The burs are smaller than those of S.P.I. 56081, with the spines arranged differently, and shorter and sharper. The nuts are the same size."

56119. CASTANEA sp. "(No. 6683. September, 1922.) A tree 50 to 60 feet high with a straight trunk 1 to $2\frac{1}{2}$ feet in diameter and ascending branches, found in yellow clay loam in forests 20 li (6 miles) from Paitoupu, $4\frac{1}{2}$ days west of Talifu at an altitude of 8,000 feet. The dark-green leathery leaves are very handsome and the numerous burs are borne in lateral spikes. The nuts are very sweet and delicious. These trees are perfectly healthy. Trees of this species are also found on the western slopes of the Tsangshan range."

56128. CASTANEA sp. "(No. 6714. October 21, 1922.) A large tree 70 to 80 feet tall, found in white sandy micaceous soil on slopes in the mountains 30 li (9 miles) north of Manchi at an altitude of 6,500 feet. The lanceolate leaves, entire or nearly so, are fawn-colored beneath. The burs resemble those of *Castanea armata* but are smaller; the