

and Burma. The seeds yield the true chaulmugra oil, long supposed to be the product of *Gynocardia odorata*. Chaulmugra oil has long been known and used in India as a remedy for cutaneous diseases, and has become a drug of some importance in European practice. The seeds are bought to Calcutta, chiefly from Chittagong, and are of two kinds (1) mature seeds with brown kernels, rich in oil; (2) immature seeds with black kernels, poorer in oil. The seeds arrive in the market at the end of the rainy season in November and December. To extract the oil the kernels are separated from the shells and dried in the sun. They are then pounded with a pestle and mortar and the broken kernels put into canvas bags and the oil expressed with the aid of fire in a castor-oil mill. The oil is of two kinds (1) clear, bright, straw-coloured; (2) muddy and precipitating a sediment of earthy colour. One maund of oil is obtained from 4 to 5 maunds of seed." (Extract from Watt's Commercial Products of India.) Authentic cures are reported from the use of this oil in the treatment of leprosy and its employment has greatly relieved the suffering of those afflicted by this terrible disease. (Fairchild.)

*Malus sylvestris* Miller. (Malaceae.) 43151-43174. Plants of twenty-four varieties of apple from Avondale, Auckland, New Zealand. Presented by Mr. H. R. Wright, Avondale Nursery.

*Mangifera indica* L. (Anacardiaceae.) 43224-43226. Seeds of the mango from Mexico. Presented by Mr. W. Moore, British Vice Consul, La Paz, B. C. Mexico. Acting on the advice of the American Consul at Mazatlan, Mexico, the Department of Agriculture requested the Navy Department to instruct a vessel to call at La Paz, Lower California, Mexico, to obtain seeds of the various varieties of mangoes grown in that district, said to be very good. Accordingly, the U. S. S. Brutus stopped at this port, and with the co-operation of the British Vice Consul, Mr. Frank W. Moore, a box of seeds was obtained.

*Owenia venosa* Mueller. (Meliaceae.) 43071. Seed from South Yarra, Melbourne, Australia. Presented by Mr. J. Cronin, Curator, Melbourne Botanic Gardens. An Australian tree reaching a height of 40 feet with a diameter of 3 feet. A native beverage is made from the sour fruit, and the durable easily worked wood