

77974—Continued.

through L. H. Dewey, Bureau of Plant Industry. Received November 30, 1928.

Bombai. A variety which was originated at the experiment station at Decca, India.

77975 to 77977. MAGNOLIA CAMPBELLII Hook. f. and Thoms. Magnoliaceae.

From Darjiling, India. Seeds presented by J. E. Leslie, Curator, Lloyd Botanic Garden. Received November 30, 1928.

A beautiful deciduous magnolia from the Himalayas, where it ascends to 8,000 feet above sea level. It reaches a height of 80 feet, has very dark bark, large elliptical dark-green leaves, and flowers 10 inches in diameter. This magnolia has flowered freely in southern France and Italy.

For previous introduction see No. 61771.

77975. A red-flowered variety.

77976. A pink-flowered variety.

77977. A white-flowered variety.

77978. ANANAS SATIVUS (L.) Schult. f. Bromeliaceae. **Pineapple.**

From Grenada, British West Indies. Cuttings presented by W. O'Brien Donovan, agricultural officer in charge, Department of Agriculture. Received December 3, 1928.

Black Antigua.

77979. BRADBURYA PUBESCENS (Benth.) Kuntz (*Centrosema pubescens* Benth.). Fabaceae.

From Peradeniya, Ceylon. Seeds purchased from the manager of the publication depot and central seed store of the Department of Agriculture. Received December 3, 1928.

A tropical American leguminous vine with trifoliate leaves and small yellowish flowers, which is used as a cover crop.

For previous introduction see No. 77293.

77980. MUSA GLAUCA Roxb. Musaceae. **Banana.**

From Medan, Sumatra. Seeds presented by J. A. Lörzing. Received July 7, 1928. Numbered in November, 1928.

An Indian banana with a trunk 10 to 12 feet high, short-petioled lanceolate leaves 4 to 5 feet long, and a drooping spike of small flowers and inedible fruits which are hidden by the large bracts.

For previous introduction see No. 67719.

77981. CALAMUS ORNATUS PHILIPPINENSIS Beccari. Phoenicaceae. **Palm.**

From Leyte, Philippine Islands. Seeds presented by P. J. Wester, Bureau of Agriculture, Manila. Received November 17, 1928.

Kalapi. A spiny climbing pinnate-leaved palm producing edible ellipsoid fruits 1½ inches long with pulp which cooks up into a sirup having a fine flavor.

77982 and 77983. CANARIUM OVATUM Engler. Balsameaceae. **Pili nut.**

From Manila, Philippine Islands. Seeds presented by P. J. Wester, Bureau of Agriculture, Manila. Received December 3, 1928.

77982 and 77983—Continued.

A tree at times 130 feet high, with dark-green pinnate leaves over a foot long and triangular-pointed, brown, usually thick-shelled nuts inclosing a kernel which is covered with a thin shining black skin. The nuts are excellent when eaten raw or roasted, and are of high food value. Pili nuts as grown in the Philippine Islands are very variable in quality. These two varieties have such thin shells they may be cracked with a nutcracker.

For previous introduction see No. 61253.

77982. No. 1.

77983. No. 2.

77984. GOSSYPIUM OBTUSIFOLIUM AFRICANUM Watt. Malvaceae. **Cotton.**

From Madagascar. Seeds collected by Charles F. Swingle, Bureau of Plant Industry, and Dr. Henri Humbert, University of Algiers, Algeria. Received November, 1928.

No. 4429. Mananika, Valley of Betsiboka. A half-woody shrub, about 6 feet high, which differs from the Indian form in having more copious and finer wool. The flowers are yellow, changing to reddish. Native to tropical Africa.

For previous introduction see No. 77323.

77985 to 77987.

From Mount Silinda, Southern Rhodesia, Africa. Seeds presented by Dr. W. L. Thompson, American Board Mission in South Africa. Received November 15, 1928.

77985 and 77986. ELEUSINE CORACANA (L.) Gaertn. Poaceae. **Ragi.**

For previous introduction see No. 73172.

77985. *Mgoza.* This variety grows more rapidly than *Giant mgoza* [No. 77986.]

77986. *Giant mgoza.* A variety which grows 3 feet high and needs good soil, tropical weather, and a fairly long season.

77987. LOVOA SWYNNERTONII Baker f. Meliaceae.

Brown mahogany. A valuable Rhodesian timber tree, reaching a height of 200 feet and a diameter of 8 feet.

For previous introduction see No. 35459.

77988. GOSSYPIUM HERBACEUM L. Malvaceae. **Cotton.**

From Persia. Seeds obtained through the Turkestan Plant Breeding Station, Tashkent, by J. J. Thornber, College of Agriculture and Agricultural Experiment Station of the University of Arizona, Tucson. Received November 27, 1928.

Panbe.

77989 to 77992. LYCORIS spp. Amaryllidaceae.

From Yokohama, Japan. Bulbs purchased from the Yokohama Nursery Co. Received December 6, 1928.

77989. LYCORIS AUREA (L'Her.) Herbert.

A Chinese bulbous perennial with sword-shaped leaves which die down before the appearance of the golden-yellow