

82401 to 82403—Continued.

82401. CRATAEGUS sp. Malaceae.
Hawthorn.

No. 1784. Obtained in the market, November 18, 1929. *Irrubin*. The native name may mean hawthorn or small fruit. The fruits are medium sized.

82402. CELASTRUS ARTICULATUS Thunb.
Celastraceae. Bittersweet.

No. 1768. A vine climbing over a rose-bush along the roadside northwest of Heijo, November 17, 1929.

82403. SOJA MAX (L.) Piper (*Glycine hispida* Maxim.). Fabaceae. Soybean.

No. 1282. November 16, 1929. *Purakon*. A variety with medium-sized oval-shaped brown seeds, said to be used for cattle feed when boiled.

82404 and 82405. MEDICAGO SATIVA L.
Fabaceae. Alfalfa.

From Italy. Seeds obtained through H. L. Westover, Bureau of Plant Industry. Received December 20, 1929.

82404. From the Stabillimento Guido Calosi, Florence.

82405. From Fratellia Ingegnolia, Milan.

82406. FRAGARIA HAGENBACHIANA Lange. Rosaceae. Strawberry.

From Paris, France. Plants presented by Vilmorin-Andrieux & Co. Received December 26, 1929.

A French strawberry closely related to *Fragaria viridis*, but flowering earlier and having all the leaflets petiolate.

82407. PISTACIA VERA L. Anacardiaceae. Pistache.

From Rahimabad, Persia. Seedlings collected by W. E. Whitehouse, Bureau of Plant Industry. Received December 27, 1929.

No. 174. From the nursery of Cholam Reza Yazdi, November 19, 1929. Seedling trees grown by a Persian pistache grower from selected nuts of large size.

82408. BROMELIA PINGVIN L. Bromeliaceae.

From Rio Piedras, Porto Rico. Seeds presented by Pedro Osuna, Horticulturist, Insular Experiment Station, Department of Agriculture and Labor. Received December 27, 1929.

A tropical succulent plant, 3 to 4 feet high, with spiny margined leaves that turn red with age. The reddish flowers are in dense panicles, and the acid fruits, the size of plums, yield a cooling juice. Native to the West Indies.

For previous introduction see No. 76199.

82409. CEIBA AESCULIFOLIA (H. B. K.) Britt and Baker. Bombacaceae.

From Zacuapam, Huatusco, Vera Cruz, Mexico. Seeds presented by Dr. C. A. Purpus. Received December 27, 1929.

The horsechestnut-leaved pochote is a medium-sized tree 20 to 30 feet high and usually diffusely branched. Its trunk and larger branches bear stout coarse spines. The leaves are palmately compound, with five to seven elliptic or obovate leaflets, 2

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to 8 inches long, usually glaucescent beneath. The flowers are white at first, but turn brown with age. The petals are 4 to 6 inches long, yellow, hairy on the outside. The seed pods are ellipsoid oblong, 5 to 8 inches long, five celled, with five segments about one-fourth of an inch thick, and bearing on the placental membranes white downlike kapok and brown finely roughened seeds, irregularly spheroidal, one-fourth of an inch in diameter. The down, consisting of fine unicellular hairs about an inch long, may serve the same purpose as kapok for filling mattresses, cushions, life preservers, and insulation. This tree is native from Vera Cruz across southern Mexico to southern Jalisco and southward to Guatemala.

82410 to 82412. DIOSPYROS KAKI L. f.
Diospyraceae. Kaki persimmon.

From Keijo, Chosen. Scions collected by P. H. Dorsett and W. J. Morse, agricultural explorers, Bureau of Plant Industry. Received December 23, 1929.

Obtained from trees at the residence of Chinzo Herata on Keijo Shrine, November 21, 1929.

82410. No. 1931. *Banshi*. A variety bearing rather small flat fruits.

82411. No. 1932. *Banshi*. A rather small flat persimmon, supposed to be the same as No. 1931 [No. 82410], but the scions are from a different tree.

82412. No. 1933. *Dangu rana*. A rather small round-fruited variety.

82413 to 82418. AMYGDALUS PERSICA L.
(*Prunus persica* Stokes). Amygdalaceae. Peach.

From Palestine. Seeds presented by A. Grasovsky, Subinspector of Agriculture and Forests, Southern Circle, Jerusalem. Received December 30, 1929.

82413. No. 1. *Baladi*. From Jerusalem.

82414. No. 2. *Baladi*. From Motza.

82415. No. 6. *Baladi*. From Safed.

82416. No. 3. *Franji*. From Nazareth.

82417. No. 4. *Franji*. From Artas.

82418. No. 5. *Franji*. From Acre.

82419 to 82446.

From Chosen. Seeds collected by P. H. Dorsett and W. J. Morse, agricultural explorers, Bureau of Plant Industry. Received December 23, 1929.

82419. CHRYSANTHEMUM MORIFOLIUM (Ramat.) Hemsl. Asteraceae.
Mulberry chrysanthemum.

No. 1745. Obtained at the base of Shariin Fuji to the south and southeast of Shariin, November 14, 1929. A rather tall-growing wild species with yellow flowers about half an inch in diameter.

82420. COCCULUS TRILOBUS (Thunb.) DC. Menispermaceae. Japanese snailseed.

No. 1738. Growing near the top of the mountain near the office of the village society at Koka, island of Kokato, November 10, 1929. Fruits bright blue.

82421. DIOSPYROS LOTUS L. Diospyraceae. Dateplum.