

102987 to 103000—Continued.

102989. AGAVE ORCUTTIANA Trelease.

An agave, resembling *Agave shawii*, with a reclinate trunk sometimes 10 feet long. The smooth green narrow leaves, 6 inches to a foot long, end in a dull gray spine an inch long. The flowers, 3 inches long, are in a panicle.

102990. AGAVE CONNOCHAETODON Trelease.

A stemless agave with dull pale-green oblanceolate leaves about 10 inches long, ending in a dull-red or ashen spine about 2 inches long. The flowers are borne on a scape sometimes 10 feet high.

102991. AGAVE GOLDMANIANA Trelease.

With the general aspect of *Agave shawii*, this plant has a short trunk and ovate-lanceolate, stiffly erect-spreading leaves about 20 inches long, ending in a dull dark-gray spine over an inch long. The deeply funnelform flowers are on a scape 15 to 20 feet high.

102992. AGAVE SOBRIA T. S. Brandege.

A stout plant with lanceolate leaves, curved outward, ending in a stout spine about 1 inch long. The campanulate orange-yellow flowers are on an erect scape 6 to 12 feet high, the flower panicle occupying more than half its length.

102993. AGAVE NELSONI Trelease.

A stemless caespitose plant with stiffly erect spreading glaucous oblong-ovate openly concave leaves about 1 foot long, armed with fragile, easily detached marginal prickles and a blackish terminal spine sometimes an inch long. The light yellow flowers are borne in a panicle on a slender scape 12 to 25 feet high.

102994. AGAVE MARGARITAE T. S. Brandege.

An agave with a rosette of 40 to 50 leaves 4 to 6 inches long, all concave, ending in a terminal spine an inch long. The light-yellow flowers are borne on a scape 8 to 12 feet high.

102995. AGAVE VEXANS Trelease.

An agave with smooth, gray-green, linear-triangular leaves a foot long, very gradually acute, ending in a dull gray-brown spine about an inch long. The greenish flowers are on a slender scape 4 to 6 feet high.

102996. AGAVE SEBASTIANA Greene.

A stemless agave with ascending glaucous ovate-lanceolate leaves a foot long, tapering into a stout spine 2 inches long, and yellow flowers on a stout scape 6 to 10 feet high.

102997. AGAVE BRANDEGEEI Trelease.

An agave with grayish, yellow-green, lanceolate, gradually acute leaves about 2 feet long, ending in a glossy red-brown recurving spine less than an inch long. The yellow flowers are nearly 2 inches long.

102998. AGAVE ROSEANA Trelease.

A somewhat caespitose succulent with stiffly spreading glaucous, gray-green, broadly lanceolate leaves 6 to 20 inches long, terminating in a purple-chestnut tortuous spine 2 to 3 inches long. The slender scape is 6 to 12 feet high.

102999. AGAVE sp.

Gates no. 231.

102987 to 103000—Continued.

103000. AGAVE DATYLIO Web.

A low stemless plant growing in clumps. The rigid straight narrow leaves, 1 to 1½ feet long, terminate in a black spine about half an inch long, and the whitish flowers are on a scape about 12 feet high.

103001. PASSIFLORA EDULIS Sims.
Passifloraceae. Purple granadilla.

From Hawaii. Seeds presented by W. T. Pope, Agricultural Experiment Station, Honolulu. Received May 17, 1933.

Variety *flavicarpa*. A yellow-fruited passion fruit of large size, with golden yellow juice of exceptionally fine flavor.

103002. PHOENICOPHORUM BOBSIGIANUM
(Koch) Stuntz (*Stevensonia grandifolia* Duncan). Phoenicaceae.
Palm.

From Cuba. Plants presented by Robert M. Grey, superintendent, Atkins Institution of the Arnold Arboretum, Soledad, Cienfuegos, through F. G. Walsingham. Received May 22, 1933.

Seedling plants grown in the Hope Gardens, Jamaica. This noble palm, famous for its beauty, is indigenous to the Seychelles Islands. The mature palm is wholly destitute of spines, whereas in the young state the deep orange-red petioles are clothed with black needlelike spines 1 to 3 inches long. The young leaves are orange beneath and mottled with orange spots above. The difference between the young and the mature plants is so great that the uninitiated would consider them different species. The flower spike is from 3 to 6 feet long, divided into numerous slender branches, swollen at the base and densely covered above with yellow flowers each about one-fourth of an inch in diameter.

For previous introduction see 94092.

103003 to 103014.

From New Zealand. Seeds presented by A. Wilkinson, Tauranga. Received May 13, 1933.

103003. ACIPHYLLA COLENSOI Hook. f.
Apiaceae.

A stout perennial herb 2 to 5 feet high, native to New Zealand. The numerous radical leaves form a circle of bayonetlike spikes around the base of the stem, each 1 to 3 feet long, pinnate or bipinnate at the base, with few secondary narrowly linear leaflets 5 to 15 inches long, terminated by a long stout spine. The small white flowers are in a cylindrical panicle made up of numerous umbels.

For previous introduction see 101271.

103004. CELMISIA SPECTABILIS Hook. f.
Asteraceae.

A herbaceous perennial with short stout stems and numerous linear-oblong thick leaves, 6 inches long, covered with silvery hairs above and densely matted pale-buff wool beneath. The several stout cottony scapes are longer than the leaves and bear white flower heads 1 to 2 inches broad. Native to New Zealand, where it often grows in extensive stands.