

31577 to 31608—Continued.**31606.** *VIGNA LUTEA* (Swartz) A. Gray.

"A luxuriant species growing on and near the strand at Tacloban, Leyte. Habit that of a very viny catjang. Flowers yellow. The best *Vigna* I have seen outside of the cultivated ones. In one place this seemed to be cultivated and the seeds are said to be eaten."

Distribution.—Originally described from Jamaica; cosmopolitan in the Tropics.

31607. *VIGNA LUTEA* (Swartz) A. Gray.

"Grows on the strand at Surigao, also at Tacloban, Davao, and Tandag. Forms running vines 6 to 12 feet long and under favorable conditions grows up shrubs to a height of 12 to 15 feet. Very vigorous and quite fruitful. No disease."

31608. *VIGNA SINENSIS* (Torner) Savi.

Cowpea.

"Purchased in the market at Jaro, Panay, May 3, 1911."

31609 to 31612. *MEDICAGO* spp.

From Chile. Received through Mr. José D. Husbands, Limavida, via Molina, Chile, April 21, 1911.

Seeds of the following; quoted notes by Mr. Husbands:

31609. *MEDICAGO ARABICA* (L.) All.

The size and venation of the pods are the same as in the species, but the spines are wanting or reduced to small tubercles, bridging the dorsal ridges of the pod.

"A new beardless type."

31610. *MEDICAGO ARABICA* (L.) All.

"An old bearded sort."

31611. *MEDICAGO HISPIDA RETICULATA* (Benth.) Urban.

"A new beardless sort."

31612. *MEDICAGO HISPIDA DENTICULATA* (Willd.) Urban.

"The same as the preceding, but bearded."

"The country people are aware of two kinds of seed pods, i. e., beardless and bearded, but they think that it is the same plant that produces them and that more or less prickles are due to moisture conditions. Everyone says there is but one kind. I found a very few plants by patient search and was able to obtain four kinds. Each kind of seed is from a separate and distinct plant.

"In their dry states the plant characteristics could not be studied. I am convinced that a study of the live plants will reveal many varieties to which scientific attention has not been given. Roaming about I have often noticed the great variations in this plant, the distinct black markings or lack of them, the varied form of leaves and plant, the degrees of growth from flat on the ground to 5 feet high, with many intermediate growths side by side in the same soil, while both the bearded and the beardless sorts grow together in dry and moist or irrigated lands, the proportion of each being marked.

"In the 'vegas,' or moist plains, which adjoin the foothills and also growing wild in irrigated fields, planted with corn, potatoes, beans, peas, pumpkins, etc., the bearded sorts predominate, and the beardless sorts are scattered sparingly among them. On the contrary, in the dry farm lands the beardless varieties prevail in like proportions. This suggests the fact that the beardless has an affinity for dry lands, which may be useful to follow with a view of producing a dry-land alfalfa.