

"With me the plants of the bush *Dolichos* always flower when 5 weeks old and ripe pods are produced at 8 weeks. Often a second crop of pods is produced. The beans are quite palatable, though they are inferior to Lima beans.

"I should mention that in the course of my inheritance studies on *Dolichos*, I have established that the bush form behaves as a simple Mendelian recessive to the climbing form. In a cross between *St. Vincent Bush* (white) and *Purple Soudan* climber, I have isolated pure bush types of varying vegetative habits. Some are much more vigorous than the original bush parent. I have also succeeded in isolating a bush form of *Vilmorin's Stringless* by crossing *Stringless* with the native bush." (*Harland*.)

#### 47569. *STIZOLOBIUM BRACTEATUM* (DC.) Kuntze. Fabaceæ.

From Namkham, Burma, India. Presented by Mr. Robert Harper. Received June 21, 1919.

Introduced for experiments being carried on with various forms of velvet beans.

#### 47570 to 47575.

From Auckland, New Zealand. Presented by Mr. James W. Poynton. Received June 12, 1919. Quoted notes by Mr. Poynton.

##### 47570. *MERYTA SINCLAIRII* (Hook. f.) Seem. Araliaceæ.

"Native name *puka*. The *Meryta* has large leaves, and is rather a striking-looking small tree much grown in gardens for ornament. For a time it was believed the rarest tree in the world, only one plant being known. One of our early botanists saw a tree near a large native camp, but the Maoris declared it was taboo and forbade him under penalty of death to touch it. He reported its discovery and described it as accurately as he could. No other naturalist had ever seen such a tree in New Zealand, and much interest was aroused by his report. Twelve years afterward he returned to the place and found the camp deserted; but the tree was still there. He got some leaves and flowers and sent them to the eminent botanist, Sinclair, who classified it, and it is now named after him. Subsequently 27 plants were found on some islands in the Hawaki Gulf near Auckland, and from them seeds were obtained for distribution. The plants are male and female."

##### 47571. *METROSIDEROS TOMENTOSA* A. Rich. Myrtaceæ.

"The Christmas tree of our early settlers; native name *pohutukawa*. It comes into bloom mostly during Christmas week (midsummer here). The flowers are deep red, and the tree is very pretty when in flower. It grows well by the seaside, gives good shelter, and endures salt spray splendidly. The wood is hard and durable, but the tree does not grow straight, being bent at the branches. For this reason it was much sought after for knees for boat building."

##### 47572. *PHORMTUM TENAX* Forst. Liliaceæ. New Zealand flax.

"I gathered the flax seed myself from some strong, well-fibered plants growing in the Court House grounds at Hamilton in the Auckland Province of New Zealand. I can therefore warrant it to be of good pedigree and freshly gathered."

##### 47573. *PHYLLOCLADUS TRICHOMANOIDES* D. Don. Taxaceæ.

"Cones of the remarkable 'celery-topped pine'; native name *tanekaha*. The bark contains two valuable red dyes and about 22 per cent of tannin.