

42428. BERBERIS FREMONTII Torr. Berberidaceæ. Barberry.

From Tucson, Ariz. Presented by Mr. J. J. Thornber, Agricultural Experiment Station. Received April 5, 1916.

Small, unarmed shrub, 5 to 10 feet high, with two or three pairs of somewhat spiny leaflets, the lowest pair close to base of petiole; yellow flowers, and dark-blue ovate berries. Occurring somewhat rarely in canyons from southwestern Colorado to Mexico.

For previous introduction, see S. P. I. No. 41764.

42429. CASSIA ANGUSTIFOLIA Vahl. Cæsalpiniaceæ. Senna.

From Khartum, Sudan, Africa. Presented by Mr. R. Hewison, Department of Agriculture and Forests. Received April 4, 1916.

"Obtained by Mr. Wood, Assistant Director of Forests." (*Hewison.*)

A small shrub, native to Arabia and east Africa and largely cultivated in parts of southern India. It furnishes *Tinnivelly* senna, the best known variety of this medicinal product. (Adapted from *Macmillan, Handbook of Tropical Gardening and Planting, 2d ed., p. 536.*)

For previous introduction, see S. P. I. No. 41282.

42430 to 42434.

From Brazil. Collected by Mr. H. M. Curran.

42430. BASELLA RUBRA L. Basellaceæ. Red basella.

"No. 115. *Berthala*. Cultivated vine, leaf and stem edible, fruits yield purple dye. Barra do Rio Contas, Bahia, Brazil, November, 1915." (*Curran.*)

An annual or biennial herb, cultivated in the Tropics as a potherb. It is remarkably variable, and several forms have been described under different specific names. It has bisexual white, red, or violet flowers. The form usually considered as *Basella rubra* is said to yield a rich purple dye, but it is difficult to fix. (Adapted from *Bailey, Standard Cyclopedia of Horticulture, vol. 1, p. 455.*)

42431. ERYTHROXYLON sp. Erythroxylaceæ.

"No. 40."

42432. HELICTERES OVATA Lam. Sterculiaceæ. Rosca.

"No. 345."

A small tree or shrub with simple ovate leaves and flowers in small axillary clusters. The wood is utilized for posts and fuel, and the bark furnishes material for the manufacture of paper; the roots are used medicinally. (Adapted from *Correa, Flora do Brazil, p. 64.*)

For previous introduction, see S. P. I. No. 36706.

42433. MIMOSA sp. Mimosaceæ.

"No. 79."

42434. SCHIZOLOBIUM PARAHYBUM (Vell.) Blake. Cæsalpinaceæ.

(*S. excelsum* Vog.)

Bacarubú.

"No. 13."