

33640 to 33642.

From Pusa, Bengal, India. Presented by Mr. A. C. Dobbs, Assistant Inspector General of Agriculture in India. Received May 9, 1912.

Seeds of the following:

33640. ALYSICARPUS VAGINALIS NUMMULARIFOLIUS Baker.

"A tall-growing legume, readily eaten by cattle. Where much pastured it tends to become dense and prostrate." (*C. V. Piper.*)

Distribution.—Found with the species, throughout the Tropics of the Old World.

33641. AMERIMNON SISSOO (Roxb.) Kuntze.**Sissoo.**

(*Dalbergia sissoo* Roxb.)

"This requires frequent watering for germination. In fact, the seeds germinate normally on flooded river banks, but will stand a considerable amount of heat and drought as well as slight cold." (*Dobbs.*)

33642. INDIGOFERA LINIFOLIA (L. f.) Retz.

See Nos. 32431 and 32782 for previous introductions.

33643. BACKHOUSIA CITRIODORA Mueller.

From Sunnybank, Queensland. Purchased from Mr. John Williams, Sunnybank Nursery. Received May 9, 1912.

"This is rapidly becoming extinct, owing to the wholesale destruction of timber for close settlement." (*Williams.*)

"A shrub or small tree native to southern Queensland, Australia, allied to *Eucalyptus*. The leaves yield 4 per cent of fragrant volatile oil, appearing to consist almost entirely of citral, the valuable constituent of all lemon oils. Appears promising for commercial culture." (*W. Van Fleet.*)

Distribution.—A tall shrub or small tree, found in the vicinity of Moreton Bay, in Queensland, Australia.

33644. AVENA SATIVA L.**Oat.**

From Hamilton East, New Zealand. Presented by Mr. P. McConnell, manager Runakura Experimental Farm, at the direction of the Director of Fields and Experiment Farms, Department of Agriculture, Commerce, and Tourists. Received May 8, 1912.

"*Rustproof oat.* This oat is a selection from the '*Argentina*' oat. Its gray color rather spoils its appearance, but should it remain rustproof it will be a great acquisition." (*McConnell.*)

33645. LARIX SIBIRICA Ledeb.**Larch.**

Collected in the southern Ural, Russia. Presented by Landrath Max von Sivers, Roemershof, Russia. Received May 7, 1912.

See Nos. 33317 and 33318 for previous introduction.

33646. CUMINUM CYMINUM L.**Cumin.**

From Valetta, Malta. Presented by Mr. James Oliver Laing, American consul. Received May 7, 1912.

"The seed of the cumin plant is raised in Malta, and most of the crop is exported. It has various uses. It forms the flavoring basis of several drinks, among them kummel. Cumin seed is also used in the Netherlands and several places as a flavoring for cheese. In Syria and Egypt and probably in other Mohammedan countries it is used as a condiment.