

the mulch formed by the leaves of leguminous and other plants is keenly appreciated by the best cultivators; and it may be possible to find suitable small shrubs of *Pavetta* or other rubiaceous plants which will be worth while growing for their nitrogen-fixing leaf bacteria in the orchards of our semi-Tropics or wherever else the climate will permit of their cultivation." (*Fairchild.*)

42768 to 42789.

From Madrid, Spain. Presented by the curator, Botanic Gardens. Received May 8, 1916.

42768. *AVENA STERILIS* L. Poaceæ. Oats.

So-called animated oats, closely resembling *Avena fatua*, wild oats, but with larger spikelets. (Adapted from *Bailey, Standard Cyclopedia of Horticulture, vol. 1, p. 435.*)

42769 to 42775. *ASPARAGUS* spp. Convallariaceæ. Asparagus.

42769. *ASPARAGUS CAPENSIS* L.

A shrubby plant with large, spreading prickles; ascending, rather flexuous, woody branches; and branchlets in dense clusters, one-fourth to 1 inch long. Flowers produced only from tips of the branches, and usually solitary, about one-eighth of an inch long. (Adapted from *Baker in Flora Capensis, vol. 6, p. 263.*)

42770. *ASPARAGUS OFFICINALIS* L.

42771. *ASPARAGUS MARITIMUS* Mill.

An herbaceous perennial, native to the coasts of Europe and northern Africa. The erect, much-branched stems are round; the subulate, angled cladodes are in fascicles of six to eight; and the small flowers, one-half the length of the pedicel, produce globose fruits. (Adapted from *Boissier, Flora Orientalis, vol. 5, p. 336.*)

42772. *ASPARAGUS OFFICINALIS* L.

42773. *ASPARAGUS SCANDENS* Thunb.

A slender, climbing vine up to 6 feet high, with freely branching green stems, the branches with twigs and cladodes in one plane. This ornamental asparagus thrives more in an intermediate house, and is a good decorative plant when grown in strings for table decorations. It is also good as a pot plant. (Adapted from *Bailey, Standard Cyclopedia of Horticulture, vol. 1, p. 408.*)

42774. *ASPARAGUS STIPULARIS* Forsk.

An herbaceous perennial, native of the Mediterranean region. It has erect stems with angle-grooved branches, cladodia 2 inches long, and small flowers followed by berries the size of a pea. (Adapted from *Muschler, Manual Flora of Egypt, vol. 1, p. 230.*)

42775. *ASPARAGUS TRICHOPHYLLUS* Bunge.

A hardy, herbaceous perennial from northern Asia, twining to a height of 6 feet with cladodes like an ordinary asparagus.

42776. *CARYOPTERIS MONGHOLICA* Bunge. Verbenaceæ.

An ornamental, woody plant grown for its lavender-blue flowers, profusely produced in fall. The flowers are in densely clustered, axillary cymes and in this species less numerous but larger than in the commonly known *C. incana* (*C. mastacanthus*). (Adapted from *Bailey, Standard Cyclopedia of Horticulture, vol. 2, p. 679.*)