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M. POWELLII, sp. n. Rami elongati, in caespitibus latis aggregati; folia dense inserta, a basi brevi erecta, recurva, divaricata, sensim ad apicem acutum angustata, nervo rufescente subexcurrente carinata, integerrima, cellulis basi elongatis pellucidis subrectis dimidium folii longitudinis occupantibus sensim in rotundatas obscuriusculas transeuntibus, perichaetia interna breviora lanceolato-subulata pellucida; vaginula pilis paucis brevibus; theca in pedunculo breviusculo, parva, ovalis, ore parvo, operculo subulato, peristomio dentibus brevibus pallidis; calyptra ramentis appressis pilosa.

Hab. Tutuila, on Cocoa-nut-trees near the sea-level. No. 110.

This differs from *M. gracile* (Hook. Musc. Exot. 27) and from *M. recurvifolium*, Hook. et Grev., in its pilose calyptra, and from *M. incurvifolium*, Hook. et Grev., in its gradually narrowed acute leaves; in this last particular it differs also from *M. glaucum* and *M. Beecheyanum*.