

island, are two shrubby *Rubiaceous* species, and another kind of shrub; *Heliotropium prostratum*, *Portulacca oleracea*, a *Lepidium* (*aere*?) and a *Buchnera*?

A thin vegetation, through which the ground is everywhere seen, prevails here, consisting of a few shrubs with entire-margined, simple, mostly succulent leaves and colourless flowers; these form a kind of thin brushwood, above which the *Cocoa Tree* raises itself, while the *Pandanus* is conspicuous by its singular form, entwined with the leafless, reddish stems of the *Cassytha*.

#### THE SANDWICH ISLES.—THE JOHNSTONE ISLANDS.

The collections of plants which Archibald Menzies, the learned companion of Vancouver, formed in his different expeditions to the heights of O-Waihi and Mauwi, are still, with many other treasures, enshrined in the herbarium of Sir Joseph Banks; and although this venerable Nestor of naturalists throws open his *Gazophylacium* to all the learned with the most unconstrained liberality, yet no one has at present undertaken to make us acquainted with the alpine Flora of O-Waihi.

The vegetation of O-Waihi has nothing in common with the adjoining continent, the coast of California. The leafless form of the *Acacias*, the genera *Metrosideros*, *Pandanus*, *Santalum*, *Aleurites*, *Dracena*, *Anonum*, *Carenum*, and *Tacca*, impress on it the character of their natural affinities. The families of the *Rubiaceae*, *Apocynae*, and *Urticeae* prevail; of the latter many wild species are used for making various kinds of bark-cloth\*; and some arborescent milky *Lobeliaceae* are also found. The immediate margin of the island produces only a few kinds of grass and herbs. In the interior, the Flora is rich; but it will bear no comparison with the luxuriant variety of Brazilian nature. Only low

\* The *Paper-Mulberry* (*Broussonetia papyrifera*) is cultivated in the Sandwich Islands, as in most of those of the South Seas, for the manufacture of cloth. But it is a mistake to suppose that it is the only plant used for that purpose.