

*lesia buxifolia*. The Smilacæ are, however, still well represented by the beautiful and delicately perfumed "almond-flower" of the settlers, *Callixene marginata*.

The weather while we were at the Falklands was generally cold and boisterous, and boat-work was consequently uncomfortable, and frequently impracticable, except in the shallow water within the harbor. We had, however, two or three days' dredging in the pinnace, and made a pretty fair account of the submarine inhabitants of our immediate neighborhood. *Macrocystis pyrifera*, the huge tangle of the Southern Seas, is very abundant in Stanley Harbor, anchored in about ten fathoms, the long fronds stretching for many yards along the surface, and swaying to and fro with the tide. Adhering to the fronds of *Macrocystis* there were great numbers of an elegant little cucumber-shaped sea-slug (*Cladodactyla crocea*, LESSON, sp.), from 80 to 100 mm. in length by 30 mm. in width at the widest part, and of a bright saffron-yellow color. The mouth and excretory opening are terminal; ten long, delicate, branched oral tentacles, more resembling in form and attitude those of *Ocnus* than those of the typical *Cucumariæ*, surround the mouth: the perisom is thin and semi-transparent, and the muscular bands, the radial vessels, and even the internal viscera, can be plainly seen through it. The three anterior ambulacral vessels are approximated, and on these the tentacular feet are numerous and well developed, with a sucking-disk supported by a round cribriform calcareous plate, or more frequently by several wedge-shaped radiating plates arranged in the form of a rosette; and these three ambulacra form together, at all events in the female, a special ambulatory surface.

The two ambulacral vessels of the bivium are also approximated along the back; and thus the two inter-ambulacral spaces on the sides of the animal, between the external trivial ambulacra and the ambulacra of the bivium, are considerably wider than the other three; consequently, in a transverse section, the