

of growth. The front dorsal margin is long, scarcely at all oblique, and only very faintly excurved. The hinder slope is very much shorter, much more sloping and more curved. The ventral outline is widely curved, without any sinuation. The umbones stand out a little above the dorsal margin, are situated about one-third of the total length from the posterior end, and terminate in a minute obtuse apex. There is in the right valve a single tubercular tooth beneath the umbo, and an elongate groove within the margin on the anterior side, for the reception of the raised edge of the opposing valve. Within the posterior margin, at a short distance from the apex, there is a slight denticular prominence, beneath which is found the oblique groove containing the internal ligament which extends as far as the anterior denticles. In the left there is scarcely any indication of teeth, but the denticular prominence on the posterior side, supporting the ligament, is fairly conspicuous. The muscular scars and the pallial impression are indistinct.

Length $6\frac{1}{2}$ mm., height 4, diameter $2\frac{2}{3}$.

Habitat.—Station 75, off Fayal, Azores, in 450 fathoms, volcanic mud; and Station VIII., off Gomera, Canaries, in 620 fathoms, volcanic mud.

This curious little species is remarkable for its oblong, inequilateral form, and is quite distinct from *Montacuta cylindracea*, which is proportionally less elongate, has a shorter internal ligament, and only the faintest indication of a groove within the anterior dorsal margin of the right valve.

In form this species closely resembles *Montacuta ferruginosa*, Montagu, but is rather more convex, has more prominent beaks, and different hinge-characters.

Family SOLEMYIDÆ.

Solemya, Lamarck.

Solemya patagonica, n. sp. (Pl. XI. figs. 1-1a).

Testa oblonga, postice paulo angustata, antice sensim latior, arcuatim truncata, epidermide crassa, nigro fusca, radiatim lirata et sulcata, ad marginem profunde scissa longeque extra valvas producta, induta. Linea dorsi ante umbones intus incrassata, densatione paulo ante medium aliquanto intra marginem producta. Pagina interna radiatim obsolete subcostata, costa obliqua submediana cæteris majore. Cicatrix postica profunda, oblonga, inferne linea elevata marginem dorsalem anticum versus producta, marginata; cicatrix antica magna, subpyriformis.

Length 31 mm., height 11, diameter 6.

Habitat.—Station 311, off west coast of South Patagonia, in 245 fathoms.

This is very like other species of the genus in general appearance, but may be