

(1) *Micropora uncifera*, n. sp. (Pl. XV. fig. 7).

*Character*.—Zoarium closely adnate (on *Eschara* and *Fucus*). Zoöcial area subrhomboidal, broad (0"·02 to ·025). Border thin and sharp. Lamina concave, with a large oval opening on each side above. Surface very finely punctate. Orifice semi-circular, with a straight entire lower lip. Peristome thickened all round, but especially above, where it is strongly beaded. A small articulated marginal spine on each side of the summit. On the lower part of the front a very large and prominent avicularium, with an acute, incurved, uncinatè mandible, pointing obliquely upwards—a correspondingly curved acute beak. Oöcia large, prominent, with a sinus or notch on each side at the bottom (not shown in the figure), and finely punctate.

*Habitat*.—Station 135c, off Nightingale Island, 110 to 150 fathoms, and (135A), off Inaccessible Island, Tristan da Cunha, 75 to 90 fathoms, hard ground, shells, gravel.

(2) *Micropora coriacea*, Esper (sp.).

*Flustra coriacea*, Esper.

*Discopora coriacea*, Lamk., Lamx., Blainv.

*Micropora coriacea*, Gray, Smitt, Hincks.

*Membranipora coriacea*, Brit. Mus. Cat.

*Character*.—Front broadly elliptical; margin terminating on each side of the orifice in a usually small (sometimes large) tubercle. Lamina punctate, occasionally with a perforation on each side close below the orifice. Orifice semicircular, with a straight entire lower lip. Oöcia subimmersed, with an umbonate projection in front.

*Habitat*.—Station 135A, off Inaccessible Island, Tristan da Cunha, 75 to 90 fathoms, hard ground, shells, gravel (on shell). Station 75, lat. 38° 38' N., long. 28° 28' W., 450 fathoms.

[Shetland, Antrim, Cornwall, Guernsey, Hastings, Caithness; Gulf of Florida, 36 to 135 fathoms, Pourtalès.]

2. *Vincularia*, DeFrance.

*Vincularia*, DeFrance; d'Orb.; Stoliczka; Brit. Mus. Cat., &c. (all in part) *nec* Smitt; *Cellaria*, *Eschara*, *Membranipora*, *Steganoporella*, &c., &c., Auctt.

*Character*.—Zoarium erect, continuous, branched or simple; radicate or fixed. Sub-cylindrical or polygonal. Zoöcia disposed in alternate longitudinal series. Frontal area quadrangular, oblong, arched above, in the natural state filled in by a chitinous epitheca, in which is seated the oral orifice. Beneath the epitheca a calcareous lamina, occupying the lower two-thirds of the area, and terminating above in a free border, from which a median process arises, which, joining above a process from each side of the zoöcium on a level with the lower border of the orifice, forms with those processes a transverse bridge with an arch on each side of the median process. Opercula incomplete