

*Ophiolebes vestitus*, Lym. (Pl. XII. figs. 10–12).

*Ophiolebes vestitus*, Lym., Bull. Mus. Comp. Zool., vol. v., part 7, p. 159, pl. x. figs. 255–257, 1878.

Disk covered by thick skin and set with short stumps, or grains, bearing a crown of blunt thorns. Arm spines short, stout, opaque, thorny. Mouth papillæ stout, blunt, spiniform.

(Type specimen from Station 308.) Diameter of disk 10 mm. Length of arm 50 mm. Width of arm without spines 2·3 mm. Nine mouth papillæ, of which the lateral are stout, blunt, cylindrical, crowded, somewhat movable, and with rough ends; the innermost is flat and squarish, like the teeth. Mouth shields small, wider than long, with a lobe without and an obtuse angle inward; length to breadth, 1 : 1·2. Side mouth shields somewhat curved, extending beyond mouth shield, wider without than within, where they meet. Under arm plates pentagonal, with a rounded angle inward. Upper arm plates fan shaped, with a truncated angle inward. Side arm plates meeting narrowly above and below, projecting but slightly. Disk a little puffed, covered by thick skin, and sparsely but regularly beset with short stumps or grains bearing a crown of blunt thorns. Six stout, cylindrical, blunt, thorny arm spines; lengths to that of an arm joint, 1·8, 1·2, 1, ·8, ·8, ·8 : ·8. One small, narrow, pointed tentacle scale. Colour in alcohol, white.

A young specimen with a disk of 4 mm. had arms 10 mm. long. The disk stumps were longer, and like very short thick spines. The arm spines were less thorny. In this stage it is very near the Ophiuran described by Ljungman as *Ophiactis clavigera*, which has the same habits also, and is doubtless the young of a form of *Ophiolebes*, like the present one. It differs in having the disk-scales and part of the radial shields naked.

That *Ophiolebes claviger* is of a novel type is shown by the fact that Ljungman considered it an extreme modification of *Ophiactis*, while Lütken deemed it nearer *Ophiacantha*.

Station 307.—January 4, 1876; lat. 49° 24' S., long. 74° 23' W.; 147 fathoms; mud. Station 308.—January 5, 1876; lat. 50° 10' S., long. 74° 42' W.; 175 fathoms; mud. Station 310.—January 10, 1876; lat. 51° 30' S., long. 74° 3' W.; 400 fathoms; mud.

Species of *Ophiolebes* not herein described.

*Ophiolebes claviger*, Lym.

*Ophiactis clavigera*, Ljn., Tillägg Skan. Oph. Öf. Kong. Akad., p. 365, 1864; Oph. Viv. Öf. Kong. Akad., p. 325, 1866.

South Norway; 200 to 300 fathoms.