

*Ophioscolex dentatus*, Lym. (Pl. XXIV. figs. 4–6).

*Ophioscolex dentatus*, Lym., Bull. Mus. Comp. Zool., vol. v., part 7, p. 157, pl. vii. figs. 184–186, 1878.

Three or four short, blunt, flattened, arm spines. Numerous mouth papillæ, whereof the outer are flat, spiniform. One tentacle scale.

(Type specimen from Station 142.) Diameter of disk 15 mm. Length of arm about 55 mm. Width of arm, without spines, close to disk 2·7 mm. There are seven mouth papillæ on each side of an angle and one small and pointed at apex of jaw; the three outer are flat, spiniform, and much the largest and longest. On removing the skin the mouth shield is seen to be wide triangular, having an obtuse angle within and outer corners rounded. Side mouth shields long, narrow, and meeting within. Arms covered by a thick skin completely hiding the plates, which are obscurely indicated below by transverse furrows. On removing the skin, the under arm plates appear longer than wide, with a curve without and a re-entering curve within; the side arm plates small and meeting neither above nor below, while the upper plates are only indicated by thin films of slightly calcified skin. Disk round and rather flat, covered with a soft naked skin variously wrinkled above and below. Genital openings wide and long, extending from the mouth shield to the edge of the disk. Three or four short, blunt, flattened arm spines, equally spaced, about as long, as an arm joint; the upper and undermost usually a little the longest. One small rounded tentacle scale on the inner side of the pore. Colour in alcohol, light grey.

Station 142.—December 18, 1873; off Agulhas Bank; lat. 35° 4' S., long. 18° 37' E.; 150 fathoms; sand.

*Ophioscolex tropicus*, Lym. (Pl. XXIV. figs. 1–3).

*Ophioscolex tropicus*, Lym., Bull. Mus. Comp. Zool., vol. v., part 7, p. 157, pl. vii. figs. 190–192, 1878.

Seventeen to nineteen small, short, pointed close-set mouth papillæ, occupying the entire margin of each mouth angle. Whole animal covered by a thick skin, through which appear the lower and side arm plates, the mouth shields, and (indistinctly) the scaling of the lower interbrachial space.

(Type specimen from Station 24.) Diameter of disk 8 mm. Width of arm close to disk, without spines, 1·3 mm. Eight or nine short, close-set, rounded mouth papillæ, occupying the whole length of each side, and one larger and more pointed at apex of jaw. Mouth shields much broader than long, in shape transverse oval; length to breadth, ·6 : 1·2. Side mouth shields long, curved and narrow, broader without, tapering inward, where they do not quite meet. First under arm plate very small, nearly square, the others larger, long hexagonal, with outer side curved, lateral sides re-enteringly curved,