

(Type specimen from Station 192.) Diameter of disk 4 mm. Length of arm about 12 mm. Width of arm close to disk, without spines, 1.2 mm. Seven small, short, rounded mouth papillæ to each mouth angle, the inner one longer and more prominent. Three squarish teeth, the upper one very small. Mouth shields broader than long, inner angle broad and rounded, lateral corners rounded, and outer edge much curved; length to breadth .7:6. Side mouth shields large, somewhat swollen, square, and wide without; tapering slightly inward, where they just meet. First under arm plate rounded and conspicuous; the plates beyond are short pentagonal, with an angle inward. Side arm plates thick and somewhat flaring outward, meeting broadly below and also above beyond the first, which is broader than long, four-sided, with slight re-entering curves on the lateral sides, and outer corners rounded; beyond, the plates are pentagonal, with an obtuse angle inward, and lateral and outer sides straight. Disk thin and sunken, and contracted in the interbrachial spaces, covered with small overlapping plates; in centre are six rudely angular primaries separated in the interbrachial spaces by several minute rounded scales. Radial shields large, longer than broad, swollen, raised above the surrounding scales, having a long angle inward and outer angles rounded; separated their whole length by an inner and outer wedge, each composed of two small quadrangular plates; length to breadth 1.5:8: each shield touches that of the neighbouring pair by its interbrachial edge, and is separated without by a marginal wedge-like scale. Lower interbrachial space with a row of scales on the margin, the central one being larger with edges rounded, its inner edge touching the mouth-shield. Genital scales short and thick, composed of two or three angular pieces. Five short, blunt, tapering arm spines, about two-thirds as long as an arm joint, extending along the entire edge of the side arm plate. One pointed tentacle scale, so minute as to be seen with difficulty. Colour in alcohol, pale brown.

Station 192.—September 26, 1874; lat. 5° 42' S., long. 132° 25' E., 129 fathoms; mud.

Species of *Ophioceramis* not herein described.

*Ophioceramis januarii*, Lym. (Pl. XXXVII. figs. 16–18).

*Ophiolepis Januarii*, Ltk., Vid. Meddel., Jan. 1856, p. 10; Addit. ad Hist., part 2, p. 108, pl. ii. fig. 1, 1859.

*Ophioceramis januarii*, Lym., Ill. Cat. Mus. Comp. Zool., No. i. p. 62, 1865.

Barbadoes; East Patagonia; Brazil; 35 to 100 fathoms.

*Ophioceramis albida*, Lym., Ill. Cat. Mus. Comp. Zool., No. viii., part 2, p. 10, pl. iii. figs. 29–31, 1875.

*Amphipholis albida*, Ljn., Oph. Viv. Öf. Kong. Akad., p. 314, 1866.

Barbadoes; Brazil; off Rio La Plata; 19 to 100 fathoms.