

*Ophiacantha discoidea*, Lym. (Pl. XXVI. figs. 1-3).

*Ophiacantha discoidea*, Bull. Mus. Comp. Zool., vol. vi., part 2, p. 57, pl. xv. figs. 405-407, 1879.

Seven or eight slender, translucent, nearly smooth arm spines. A small spine-like tentacle scale. Disk densely set with minute stumps crowned with thorns.

(Type specimen from Station 190.) Diameter of disk, 4.7 mm. Arms broken; they were plainly long, because, in their first 15 mm. there was scarcely any tapering. Width of arm near disk 1 mm. Three cylindrical, blunt, peg-like mouth papillæ on each side, and a similar but longer one at apex of mouth angle. Teeth longer than wide, with a rounded cutting edge. Mouth shields broader than long, regular heart-shaped, with point inwards; length to breadth, 7 : 1. Side mouth shields very wide without, and overlapping the first under arm plate, but tapering to a thin point within, where they scarcely meet. First under arm plate longer than broad, and somewhat overlapped by side mouth shields; the plates just beyond are much wider than long, of a wide axe-shape, with a broad curve without, short re-entering curves on the sides, and an obtuse angle within. Side arm plates meeting above and below, stout and flaring, with a strong spine crest. Upper arm plates fan-shaped, with the angle inward; widely separated. Disk nearly round, a little puffed, closely and evenly set, except in the middle, with very short microscopic stumps crowned with three or four little thorns. No scales or radial shields appear in the alcoholic specimen. Seven or eight slender, pointed, translucent, nearly smooth arm spines, whereof the two uppermost are nearly as long as two joints; while those below gradually diminish in length to the lowest, which is two-thirds as long as a joint. One narrow, pointed tentacle scale. Colour in alcohol, pale brownish-grey.

Station 190.—September 12, 1874; lat. 8° 56' S., long. 136° 5' E.; 49 fathoms; mud.

This species stands nearest, perhaps, to *Ophiacantha cosmica* from which it is distinguished by different under arm plates, smaller side mouth shields, stouter disk stumps, and a very narrow spine-like tentacle scale.

*Ophiacantha levispina*, Lym. (Pl. XXV. figs 1-3).

*Ophiacantha levispina*, Lym., Bull. Mus. Comp. Zool., vol. v., part 7, p. 147, pl. x. fig. 277, 1878.

Disk closely beset with fine stumps bearing crowns of minute thorns; seven slender, not thorny arm spines; outer side of under arm plates strongly curved.

(Type specimen from Station 214.) Diameter of disk 6 mm. Length of arm 36 mm. Width of arm without spines 2 mm. Mouth papillæ seven to nine to each angle, whereof the outer one on either side is broad and scale-like, while the other five or seven are sharp and conical. Mouth shields broad heart shape, with the point inward; length to breadth,