

*Ophiacantha segesta*, Lym. (Pl. XV. figs. 1, 2).

*Ophiacantha segesta*, Lym., Bull. Mus. Comp. Zool., vol. v., part 7, p. 141, pl. x. fig. 271, 1878.

Disk beset with short, smooth, slender spines, mingled with minute thorny stumps; arm spines not thorny.

(Type specimen from Station 56.) Diameter of disk 3.5 mm. Length of arm 15 mm. Width of arm without spines 1 mm. Seven regular, sharp, conical mouth papillæ to each angle, whereof the innermost is much the largest, and resembles the teeth, which are stout, blunt, spearhead-shaped. Mouth shields small, wider than long, with a point within and a curve without. Side mouth shields wide, thick, and somewhat curved. Under arm plates thick and swollen, pentagonal, with an angle inward and outer side widest. Upper arm plates thick and swollen, short fan-shaped, with an angle inward. Side arm plates large, meeting widely above and below, swelling gradually to form the spine ridges, which are not narrow or abrupt. Disk thickly set with small, slender, smooth spines, among which appear minute thorny stumps and crochets. Scaling and radial shields hidden, except outer tips of the latter. Seven smooth, tapering, cylindrical arm spines near base of arm, of which the two upper ones are much the longest, attaining a length of 1.7 mm.; the lower ones are short and stout. At tip of arm the lowest spine is slender, a little curved, and slightly rough on its edge. One small pointed tentacle scale. Colour in alcohol, white.

A young and immature specimen, but distinctly characterised by its spiny disk. Station 56.—May 29, 1873; off Bermudas; 1075 fathoms; grey ooze.

*Ophiacantha abnormis*, Lym. (Pl. XXVI. figs. 4-6).

*Ophiacantha abnormis*, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 59, pl. xv. figs. 411-413, 1879.

Mouth angles elongated, bearing, towards the apex, twelve or fourteen slender, pointed papillæ. Six long, smooth, slender arm spines. Disk sparsely set with very short spines.

(Type specimen from Station 207.) Diameter of disk 11 mm. Length of arm, which is very attenuated near its end, 73 mm. Width of arm close to disk, without spines, 2.5 mm. Mouth angles elongated, having no papillæ on their outer part near the mouth tentacles, but on their inner portion bearing four or five slender, spaced papillæ on each side, and a cluster of three or four at the apex. Teeth wide and large, with a broad cutting edge. Mouth shields broad triangular, with a small peak on the outer edge, and blunt angle within. Side mouth shields short and extremely narrow, just meeting within. Under arm plates thin and sunken, pentagonal, with a broad angle inward, outer edge straight, and deep re-entering curves on the lateral sides. Beyond the third, they are separated by the side arm plates, which meet below and above and have a high wide spine ridge. Upper arm plates triangular, somewhat swollen, with an angle inward,