

(Type specimen from Station 325.) Diameter of disk 9 mm. Width of arm close to disk, without spines, 1·3 mm. Three stout, close-set papillæ on either side of the mouth angle, and two large and much rounded at the apex; of those on the sides the outermost is largest. Mouth shields small, triangular, a little longer than wide, rounded on all sides except within, where is a point. Side mouth shields large, broad without, tapering inward where they just meet. First under arm plate very small; those beyond are broader than long, angular, and with re-entering curves on the sides where are the tentacle pores; still farther out they are triangular, with outer edge much curved, and a truncated angle within. Side arm plates short, not much projecting, meeting above beyond the first upper arm plate, and below beyond the seventh or eighth. Upper arm plates slightly swollen, very short and wide, of a transverse oval shape, and with a small longitudinal ridge. Disk flat and tolerably thick, covered with thin, small, flat, overlapping scales, with one somewhat larger, rounded primary in the centre; about four scales in the length of 1 mm. Radial shields long and broad, bluntly pointed within, nearly or quite separated their entire length by a narrow wedge of scales. On the interbrachial spaces on the under surface the scaling is much finer than that above, there being about fifteen in the length of 1 mm. Three tapering, rather sharp arm spines, the upper one being shorter than the other two, and the middle one much the stoutest, and swollen. One small longer than broad tentacle scale on the brachial side of the tentacle pore; a little way out on the arm there usually is no tentacle scale. Colour in alcohol pale straw.

Station 325.—March 2, 1876; lat. 36° 44' S., long. 46° 16' W.; 2650 fathoms; grey mud.

*Amphiura cernua*, Lym. (Pl. XVII. figs. 13–15).

*Amphiura cernua*, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 28, pl. xii. figs. 323–325, 1879.

Four mouth papillæ on each side. One tentacle scale. Three arm spines, the middle one swelled. Disk scales coarse; all primary plates conspicuous. First under arm plate wide and large.

(Type specimen from Station 241.) Diameter of disk 5·7 mm. Length of arm about 24 mm. Width close to disk, without spines ·7 mm. Four mouth papillæ on each side, of which three are short and blunt (the inner one being more pointed), and two at the apex of the mouth angle are larger and more swollen. Mouth shields small, flat, triangular, with a blunt angle inward and outer edge curved. Side mouth shields broad without, and tapering inward, where they just meet. Under arm plates large, with a long angle within and slight re-entering curves on the lateral sides. Side arm plates slightly swollen, meeting below some distance out on the arm, and above beyond the first upper arm plate. Upper arm plates transverse oval, slightly swollen, with