

*Amphiura concolor*, Lym. (Pl. XVII. figs. 1-3).

*Amphiura concolor*, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 27, pl. xii. figs. 317-319, 1879.

Three mouth papillæ on each side, the inner one large and thick, the two outer small and bead-like. Two, sometimes only one, small tentacle scales. Four arm spines. Radial shields narrow and separated.

(Type specimen from Station 195.) Diameter of disk 8 mm. Length of arm 65 mm. Width of arm close to disk, without spines, 1 mm. Two very short, small mouth papillæ each side of the mouth angle, and a pair, large, rounded, much swollen at its apex. Four large, thick teeth, with a square cutting edge. Mouth shield wide spear-head shaped, with a blunt angle within, and the inner sides slightly curved. Side mouth shields large, broad without, tapering inward, where they just meet. Basal under arm plates large, pentagonal with the inner angle truncated, broader than long, outer edge straight, lateral sides re-enteringly curved. Side arm plates rather small, projecting moderately, meeting neither above nor below. Upper arm plates short and wide, of a transverse pointed oval form, with outer and inner edge slightly curved. Disk round and flat, but rather thick, covered with irregular, overlapping scales; those in the interbrachial spaces being somewhat coarser than the others. Radial shields long and narrow, with outer end rounded, and an acute angle inward, separated their entire length by a single row of scales. Interbrachial spaces on the under surface covered by similar, but finer, scaling. Four short, blunt, rather slender arm spines, the upper one being slightly shortest. Two small, rounded tentacle scales, one on the brachial side of the tentacle pore and one on the side arm plate. On some pores there is but a single scale. Colour in alcohol, straw.

Station 195.—October 3, 1874; lat. 4° 21' S., long. 129° 7' E.; 1425 fathoms; grey ooze. Station 191.—September 23, 1874; lat. 5° 41' S., long. 134° 4' E.; 800 fathoms; mud.

*Amphiura depressa* (?), Lym.

*Amphipholis depressa*, Ljn., Oph. Viv. Öf. Kong. Akad., p. 312, 1866; Ltk., Oph. Nov. Descr. pls. i. and ii. figs. 2a, 2b.

I put a query to this species, though I am nearly sure of its identity.

Station 233b.—May 26, 1875; lat. 34° 20' N., long. 133° 35'; 15 fathoms; mud. Fiji Islands; 6 fathoms.

*Amphiura dalea*, Lym. (Pl. XVIII. figs. 11-13).

*Amphiura dalea*, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 27, pl. xii. figs. 320-322, 1879.

Four mouth papillæ on a side. Three arm spines, the middle one swollen. One tentacle scale. Disk scales fine, only the central primary plate being conspicuous. First under arm plate small.