

*Pectinura gorgonia*, Ltk., Addit. ad Hist., part 3, p. 33, 1869.

*Ophiarachna gorgonia*, Müll. & Tr., Syst. Ast., p. 105, 1842.

Fiji Islands.

*Pectinura maculata*, Vll., Proc. Bost. Soc. Nat. Hist., vol. xii. p. 388, 1869; Lym., Bull. Mus. Comp. Zool., vol. ii., part 10, p. 222; Vll., Amer. Journ. Sci., vol. xlviii., 2nd series, p. 431, 1869.

(?) *Ophiura maculata*, Hutt., Ech. New Zealand, p. 3, 1872.

Queen Charlotte's Sound, New Zealand; 10 fathoms.

*Pectinura rigida*, Lym., Bull. Mus. Comp. Zool., vol. iii., part 10, p. 224, 1874.

(?) *Ophiura cylindrica*, Hutt., Echin. New Zealand, p. 3, 1872.

Fiji Islands.

*Pectinura stellata*, Ltk., Addit. ad Hist., part 3, p. 33, 1869; Lym., Bull. Mus. Comp. Zool., vol. iii., part 10, p. 221.

*Ophiarachna stellata*, Ljn., Oph. Viv. Öf. Kong. Akad., p. 305, 1866.

*Ophiochasma (Ophiolepis) adpersum*, Grube, Jahres Bericht d. Schles. Gesell., p. 23, 1867.

*Ophiarachnella stellata*, Ljn., Dr. Goës, Oph. Öf. Kong. Akad., p. 640, 1871.

Station 208.—January 17, 1875; lat. 11° 37' N., long. 123° 32' E.; 18 fathoms; mud.

*Pectinura arenosa*, Lym. (Pl. XXIII. figs. 10–12).

*Pectinura arenosa*, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 48, pl. xiv. figs. 392–394, 1879.

Nine to eleven short arm spines. Disk uniformly granulated, with about 8 grains in 1 mm. long. No water pores between under arm plates.

(Type specimen from Station 162.) Diameter of disk 10 mm.; length of arm about 42 mm. Width of arm close to disk 2 mm. Fifteen short, stout, pointed, crowded mouth papillæ, the three outermost being somewhat the widest. Mouth shields rounded triangular, about as broad as long, with a blunt angle inward and outer side straight. Supplementary shield semicircular, and about two-thirds as large as the true shield. Side mouth shields very small, and short, occupying part of the outer angles of mouth shield, and widely separated within. First under arm plate wide and large, and nearly semicircular, though the inner side is not quite straight; those beyond are as broad as long. There are no water pores between the plates. Side arm plates flat and not swollen, separated above and below. Upper arm plates short rounded oval; somewhat broader than long. Disk somewhat angular and slightly swollen, closely covered above and below, except the mouth shields and side mouth shields, with a fine granulation, about 8 grains in the length of 1 mm.