

has a lobe projecting over the arm, separated within by a narrow wedge of scales bearing one or two rows of short, slightly rough spines : similar but somewhat longer spines densely clothe the centre and interbrachial spaces, passing over the margin and investing the outer portion of the naked surface below ; the longest spines are 1·7 mm. Ten moderately stout, scarcely tapering, somewhat flattened, translucent arm spines, bearing feeble thorns on their edges ; the uppermost and lowest are minute, the rest diminish in length from the third downward ; lengths to that of an under arm plate ·8, 3·6, 4·6, 3·6, 3, 3, 2·6, 2, 1, ·8 : 1. The first tentacle pore has no scales ; those beyond have a minute lip-like one in the angle of the under and side arm plates. Colour in alcohol, above, pale purplish pink, the side arm plates and outer edges of radial shields marked with darker ; below much paler.

Station 142.—December 18, 1873 ; lat. 35° 4' S., long. 18° 37' E. ; 150 fathoms ; sand. Station 161.—April 1, 1874 ; off Entrance to Port Philip (var. with coarser spines) ; 38 fathoms ; sand. Station 163.—April 4, 1874 ; off Twofold Bay (var.) ; 120 fathoms ; red clay.

The species is readily distinguished from *Ophiothrix capensis* by lacking the black stripe on the arm, and by having arm spines serrated their whole length.

Species of *Ophiothrix* not herein described.

Ophiothrix fragilis, Düb. & Kor., Öf. Skandinav. Echin., 1846, p. 238 ; Lym., Bull. Mus. Comp. Zool., vol. iii., part 10, p. 249 ; Ludwig, Echin. des Mittelmeeres, p. 551.

Asterias fragilis, Abildg. (Müller), Zool. Dan., p. 28, pl. xcvi., 1789.

Ophiothrix Rammelsbergii, Müll. & Tr., Syst. Ast., p. 113, pl. viii. fig. 3.

Ophiothrix alba (?), Grube, Wieg. Archiv, p. 344, 1857.

Ophiothrix fragilis (pars), Sars, Ltk., Addit. ad Hist., part 3, p. 52, 1869.

North European Seas ; 6 to 52 fathoms.

Ophiothrix echinata, Müll. & Tr. (non. Ltk. nec. Ljn.), Syst. Ast., p. 111, 1842 ; Lym., Bull. Mus. Comp. Zool., vol. iii., part 10, p. 249 ; Ludwig, Echin. des Mittelmeeres, p. 552.

Asterias echinata, Delle Chiaje, Mem., vol. iii. p. 79, pl. xxxiv. fig. 5, 1823–29.

Ophiothrix echinophora, Müll. & Tr., Wieg. Archiv, vol. vi. p. 328, 1840.

Asterias tricolor (?), Delle Chiaje, Mem., vol. iii., pl. xxxiv. fig. 9.

Asterias pentagona (?), vol. iii., pl. xxxiv. fig. 15.

Asterias Ferussaci (?), vol. ii., p. 79, pl. xxxiv. fig. 12.

Asterias Cuvieri (?), vol. iii., pl. xxxiv. fig. 17.

Ophiothrix rubra (?), Ljn., Dr. Goës, Oph. Öf Kong. Akad., p. 624, 1871.

Adriatic and Mediterranean ; littoral.