

Tedania tenuicapitata, Ridley (Pl. XI. fig. 5).

1881. *Tedania tenuicapitata*, Ridley, "Alert" Coll., Proc. Zool. Soc. Lond., January, p. 124, pl. xi. fig. 1.

This species has already been fully described (*loc. cit.*), it is, therefore, unnecessary to give much further description. The "Alert" obtained only a single specimen of the sponge while the Challenger obtained a considerable number.

The Challenger specimens show plainly that the usual form of the sponge is massive (Pl. XI. fig. 5). They also show a very considerable range of variation in the character of the ends of the tylota, which vary from a very elongate, slightly demarcate and acutely pointed form to a short, regularly defined head, rounded terminally;¹ the roughening of the fine raphides alluded to in the original description (*loc. cit.*) was made out in one specimen, but only in a spicule which was not adult. So great is the variation of the diactinal spicules and so nearly do they approximate the spiculation of this form to that of *Tedania suctoria*, Schmidt,² that it must be considered doubtful whether it is more than varietally distinct from it. As yet, however, the structures described as excretory papillæ by Schmidt (*loc. cit.*), have not been found here, and perhaps may prove distinctive.

Localities.—Station 308, January 5, 1876; lat. 50° 8' 30" S., long. 74° 41' 0" W.; south-west Patagonia; depth, 175 fathoms; bottom, blue mud. Several specimens.

Station 311, January 11, 1876; lat. 52° 45' 30" S., long. 73° 46' 0" W.; off south-west Patagonia; depth, 245 fathoms; bottom, blue mud; bottom temperature, 46°·0. Several specimens.

Station 314, January 21, 1876; lat. 51° 35' S., long. 65° 39' W.; east of the Strait of Magellan; depth, 70 fathoms; bottom, sand; bottom temperature, 46°·0. One fine specimen (Pl. XI. fig. 5).

Habitat.—Off the south-west coast of Patagonia ("Alert," Challenger); between Strait of Magellan and Falkland Islands (Challenger).

Tedania commixta, Ridley and Dendy (Pl. XXIII. figs. 9, 9a, 9b, 9c).

1886. *Tedania commixta*, Ridley and Dendy, Ann. and Mag. Nat. Hist., ser. 5, vol. xviii. p. 335.

Sponge massive, amorphous. *Colour* in spirit creamy-yellow. *Texture* soft and compact, with a large admixture of foreign grit. *Surface* slightly corrugated. *Dermal membrane* thin but distinct. *Oscula* small, scattered, with their margins flush with the surface. *Pores* scattered (?).

Skeleton.—Consisting of very loose, whip-like fibres, apparently without any definite

¹ The rounded heads of the tylota were observed only in one of the specimens, and even here a large number of these spicules have the heads pointed.

² Spong. Atlant. Gebiet., p. 43.