

*Alveopora retusa*, Verrill.

*Alveopora retusa*, Verrill, Bull. Mus. Comp. Zool. Cambridge, U.S.A., i. p. 43.

A single small specimen, on which an abundantly developed pellicular epitheca is present, was obtained. The growth of the upper portion of the main lobe of the specimen has been disturbed, evidently owing to injury caused by some foreign body which has settled upon it, the position of which can easily be seen. On this lobe, and especially on its basal portion, the cells are rather small and shallow, with thickened, irregular, spiniform septa, which are seldom more than twelve in number, while the wall is irregularly fenestrate and thickened, and spinulose at its free edge. On a smaller basal lobe the typical structure of the species is more clearly seen, but the characteristic third cycle is not complete.

*Locality*.—Somerset, Cape York, 5 fathoms.

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## HYDROCORALLINÆ.

### Family MILLEPORIDÆ.

#### Genus *Millepora*, Linnæus.

*Millepora* (pars), Linnæus, Syst. Nat., ed. 10, p. 790.

„ Milne-Edwards and Haime, Cor., iii. p. 225.

„ Moseley, Zool. Chall. Exp., pt. vii. p. 18.

Through the researches of Professor Moseley, who has confirmed and extended the observations of Louis Agassiz as to the hydroid nature of the Milleporidæ, we have an accurate knowledge of the structure and affinities of *Millepora*. By the discovery of ampullæ<sup>1</sup> on the new species, *Millepora murrayi*, I have been able to give additional confirmation to the opinion of Professor Moseley on the classification of *Millepora*. The ampullæ, which are described under *Millepora murrayi*, do not seem to differ in any marked particular from those of the Stylasteridæ.

Eight species of the genus were obtained.

#### 1. *Millepora alcicornis*, Linnæus.

*Millepora alcicornis*, Linnæus, Syst. Nat., ed. 10, p. 791.

„ „ Dana, Zoophytes, p. 543.

Three specimens of this species were obtained. One, from Bermuda, consists of a very large, curved, flabellate cœnosteum, formed by numerous very coalescent branches.

<sup>1</sup> *Nature*, 1884, p. 539.