

bushy, dichotomously divided, the branches inclining inwards; the joints jet-black; the internodes narrow at their origin, widened upwards; the cells entirely adnate, tubulous, semi-alternate, with round even apertures. This, though in many respects similar to the preceding, is yet essentially different, and has been well characterized by Dr Fleming. It is of a denser texture; the branches, or rather the spaces between the joints, are longer, broader and thicker in the middle; the cells are more closely connected; their orifices are not detached from the sides, and the joints are black, so that the polypidom appears dotted to the naked eye.

* * * Cells ternate, with a joint above and below.

(TRICELLARIA.)

5. C. ? TERNATA, "cells lengthened, rounded at top, with spinous processes." Dr David Skene.

Cellaria ternata, Ellis and Soland. Zooph. 30.—*Sertularia ternata*, Turt. Gmel. iv. 687. *Stew. Elem.* ii. 449. *Turt. Br. Faun.* 217.—*Crisia ternata*, Corall. 61.—*Tricellaria ternata*, Flem. Br. Anim. 240. La Tricellaire ternée, Blainv. Actinolog. 458.

Hab. From Aberdeen, Skene. Zetland, Fleming.

"Height scarcely an inch, dichotomously branched; the cells enlarge gradually in breadth towards the top, which is armed with two or three spines; when the outermost one is short, the cell externally has an angulated appearance; at the joints the stem is narrow." Dr Fleming.

27. NOTAMIA,* Fleming.

CHARACTER. *Polypidom plant-like, subcalcareous, rather soft and flexible when dry, much branched dichotomously: cells geminate, exactly opposite, united back to back with a thick dissepiment, a joint above and below each pair.—Polypes ascidian.*

I. N. LORICULATA, cells subcylindrical and obliquely truncated, the aperture plain. Doody.

PLATE xxxi. Fig. 12, 13.

Muscus coralloides mollis elatior ramosissimus, Doody in Raii, Syn. 1. 34, no. 6.—Coat of Mail Coralline, Ellis, Corall. 40. no. 7, pl. xxi. fig. b, B.—*Sertularia loriculata*, Lin. Syst. 1314. *Turt. Gmel.* iv. 684. *Berk. Syn.* i. 219. *Turt. Br. Faun.* 216. *Wern. Mem.* i. 564. *Stew. Elem.* ii. 447.—*Cellularia loriculata*, Pall. Elench. 64.—Hogg's Stock. 35.—*Cellaria loriculata*, Ellis and Soland. Zooph. 24. *Bosc, Vers.* iii. 133. *Lam. Anim. s. Vert.* ii. 136. 2de edit. ii. 179. Johnston in Trans.

* From "νωτος, dorsum, and ταμσιον, cella," Fleming.