

of Scotland, and in the north of England, particularly about Scarborough, where the fishermen have given them the name of Bottle-brushes," *Ellis*. "Very frequently found on the coast of Durham," *J. Hogg*. Common on N. Durham and Berwickshire, *G. J. Leith* shore, *Jameson*.

This remarkable coralline is sometimes a foot in height, generally less, affixed by a tubular fibre, which is sometimes agglutinated to others from other shoots, so as to form a lichen-like crust concentrically wrinkled. Stem percurrent, erect, filiform, rigid, zig-zag, knotted, naked underneath, bearing on the upper part a cylindrical tuft of dichotomous short equal branches, coming off alternately and so disposed that four complete a whorl. The knots on the lower part are the remains of former branches which seem to drop off as the portion of the stem immediately beneath them successively loses its vitality. The stem has no cells, and neither it nor the branches are jointed. Cells close-pressed, arranged in two rows, sub-alternate, smooth, tapered from the base to a contracted orifice. Vesicles sub-pedicellate, pear-shaped, smooth, placed in clusters or solitary on the upper side and towards the base of the branches; they are produced mostly in the winter season, and are filled with a milk-white grumous fluid previous to the discharge of the ova.

Young specimens of this polypidom are simply pinnate, but these may be always distinguished from the following by the greater intervals between the origin of the pinnæ, and by the shape of the cells. The Fig. 1, 2 of Plate XV. represents a specimen of this kind, which has been the more readily introduced, since it exhibits the living polypes in an active state, and proves that the coralline has no relationship to Cellaria.—The Sertularia thuia of *Fabricius* in his Fauna Groenlandica, p. 444, I am inclined to refer to Sert. pumila.

2. TH. ARTICULATA, cells ovate, obtuse or truncate; ovarian vesicles elliptical. *Ellis*.

PLATE XV. Fig. 3, 4.

Sea-Spleenwort or Polybody, *Ellis*, Corall. 11, no. 10, pl. 6, fig. a, A.—*Sertularia articulata*, *Pall.* Elench. 137.—*S. Lonchitis*, *Ellis* and *Soland.* Zooph. 42.—*S. Lichenastrum*, *Berk.* Syn. i. 219. *Turt.* Gmel. iv. 683. *Turt.* Brit. Faun. 216. *Stew.* Elem. ii. 447. *Bosc*, Vers, iii. 119.—*Cellaria Lonchitis*, *Lam.* Anim. s. Vert. ii. 139.—*Thuiaria articulata*, *Flem.* Brit. Anim. 545.—*La B. articulée*, *Blainv.* Actinol. 482.

*Hab.* On shells and stones in deep water, very rare. In the harbour of Dublin, *Ellis*. At Scarborough, *Mr Bean*.

Polypidom about 4 inches high, pinnate, lanceolate, corneous, sub-