

when dry, straight, flattish, jointed, with a pair of opposite cells on each interspace; branches patent, mostly undivided, jointed like the stem. Cells tubular, the upper portion free, erecto-patent, with an even aperture often girded with two or three faint circular wrinkles. Pallas says that the cells incline to one side of the stem, a character which Dr Fleming failed to observe, and which is not perceptible in any of the specimens sent me by Dr Coldstream. "Ab eodem latere," says Pallas, "ovaria in pinnis plerisque mediis crebra, in seriem conferta, minuta, obverse conica, supra trituberculata, et inter tubercula osculo instructa."

9. *S. HIBERNICA*, "greater and lesser branches alternately pinnated; denticles alternate, elliptical, with emarginate mouths; vesicles ovate, with a denticulate mouth and transverse undulated striae."

*Sertularia pinnata*, *Templeton* in *Mag. Nat. Hist.* ix, 468.

*Hab.* "Dredged up, with other marine productions, in the sound of Donaghadee. Received from Mr J. Gilles, Aug. 1805," *Templeton*.

"The branching of this species is somewhat peculiar, each of the primary and secondary branches springing out at an angle of 40° or 50°. That part of the stem which bears the denticles is waved so as to bear each denticle on the projecting part; the denticles are elliptic, and the mouth of each apparently a little hollowed inwards, perhaps arising from the extremity being fractured; the vesicles are ovate, with 4 or 5 blunt teeth surrounding the mouth, and divided into 6 or 8 portions by annulated undulating lines. It might be classed among the large and strong sertularias, the principal shoot being of the thickness of a sparrow's quill at its base, and 4 in. or 5 in. long. The branches shoot forth from opposite sides, the whole coralline thus assuming a flat form, to the extent of 4 in. or 5 in." *Templeton*.

10. *S. NIGRA*, cells nearly opposite, small, ovate, appressed, with a scarcely everted aperture; vesicles ovate or elliptical.—Pallas.

VIGNETTE, No. 13, page 119.

*Sertularia nigra*, *Pall.* *Elench.* 135. *Turt.* *Gmel.* iv. 676. *Bosc.* *Vers.* iii. 106.

*Turt.* *Brit. Faun.* 212. *Jameson* in *Wern. Mem.* i. 565. *Corallina*, 86.

—*S. Lichenastrum*, *Lin.* *Syst.* 1313. (exclus. syn.)—*Dynamena nigra*, *Flem.* *Brit. Anim.* 545.—*La D. noire*, *Blainv.* *Actinolog.* 484.

*Hab.* Lizard Point, Cornwall, *Pallas*. Coast of Aberdeenshire, *Robert Brown*. Scarborough from deep water, *Mr Bean*. Coast of Northumberland at Dunstanborough Castle, *Mr R. Embleton*.