

Fig. 30.



### III. ZOOPHYTA HELIANTHOIDA.

#### FAMILY VII. MADREPHYLLIÆA.

##### 17. TURBINOLIA,\* Lamarck.

CHARACTER. *Animal like the Actinia, single : Polypidom fixed when young, becoming detached in the progress of its growth, simple, inversely conical, furrowed on the outside, pointed at the base, and terminating above in a lamellated stellular cell.*

1. T. BOREALIS, “widely conical, slightly bent.” Rev. Dr Fleming.†

*Fungia turbinata*, Fleming in Wern. Mem. ii. 250.—*Turbinolia borealis*, Flem. Brit. Anim. 509.—*La Turbinolie boréale*, Blainv. Actinolog. 341.

*Hab.* “Zetland,” Fleming.

“This species occurred in the same boat in which I picked up the *Caryophyllea cyathus*. Though greatly defaced, it still exhibits proofs of its recent origin. It is inversely conical, pointed, subarcuated, with a concave disc and a prominent centre; the plates appear to have been equal. It is about five-tenths of an inch in height, and nearly the same in breadth across the star.” Fleming.

Lamouroux maintains, in opposition to Lamarck, that the *Turbinoliæ* are fixed, and says that in well preserved specimens a distinct pedicle, with the point broken off, is obvious.‡ The fact seems to be, as stated

\* From *turbo*, a top.

† The author of the “Philosophy of Zoology,” and the “History of British Animals.” He, for many years, discharged the duties of a minister of the Church of Scotland; and is now Professor of Natural Philosophy in King’s College, Aberdeen. To his labours and writings I am inclined to ascribe a considerable share in diffusing that taste for natural history which is now abroad.

‡ Soland. Zooph. new edit. p. 51.