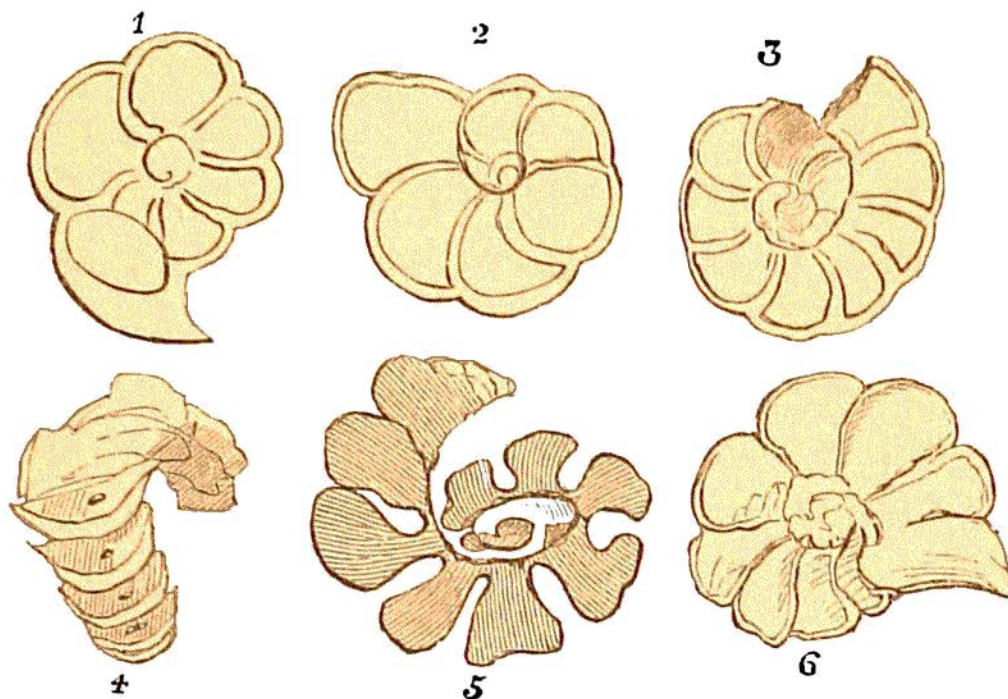


POLYTHALAMIA OF THE CHALK. *Rotalia* and *Textularia*.—The genus *Rotalia* comprises those minute chambered shells which resemble the nautilus in their general contour, but are essentially distinct, for the inner cells are occupied, in a recent



LIGN. 49. POLYTHALAMIA IN FLINT AND CHALK. *inv.* × ×.

Figs. 1, 2, 3, 6.—Different forms of *Rotalia*.

2.—Resembles the recent *Rotalia stigma*, (Ehrenberg), from the North Sea, near Cuxhaven.

4.—Portion of a *Nautilus*, showing five chambers, partially separated, each pierced by the siphon: in flint, from Ireland.

5.—Shows the internal body of a *Rotalia* in flint, the shell having disappeared.

state, by the digestive apparatus of the inhabitant; and the shell is traversed by perforations, through which minute tentacula extend. *Lign.* 49, figs. 1,