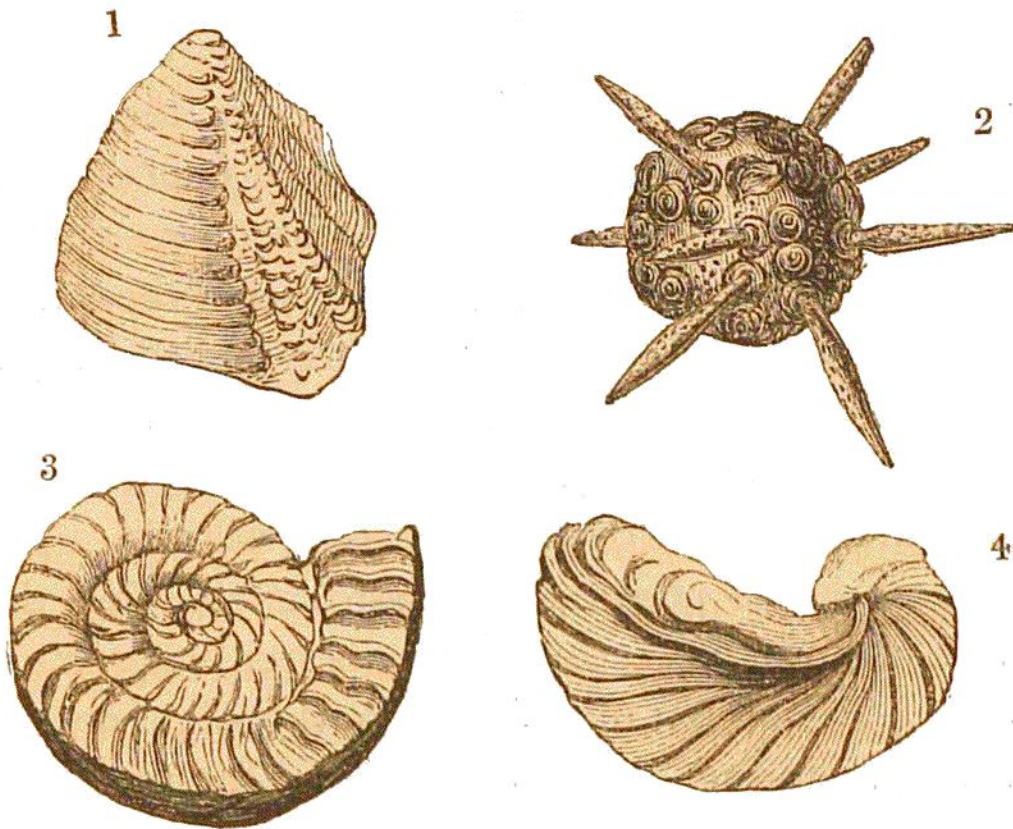


England is the uppermost division of the series, lies beneath the beds of fresh-water limestone, containing the petrified forest, described in the former lecture (page 362), and teems with ammonites and shells, particularly *trigoniæ* (Tab. 85, fig. 1), of which there are several species in this formation.



TAB. 85.—FOSSIL SHELLS OF THE OOLITE AND LIAS.

Fig. 1. *Trigonia costata*. 2. *Cidaris* with spines. 3. *Ammonites Walcotii*. 4. *Gryphea incurva*.

The *Kimmeridge* clay forms the base of the Isle of Portland, and contains, with numerous other marine shells, a flat species of oyster, *ostrea deltoidea*, so named from its peculiar shape; this shell is characteristic of the bed. The *Coral-rag*, or coralline oolite, is literally a petrified coral reef; it is a