

- Cardita lirata*. T. 197. fig. 3.
- Astarte* }  
*Arca* } small species.  
*Cucullæa* }  
*Nucala* }
- Terebratula* (nonplicated varieties).  
*T. ornithecephala?* T. 101. fig. 4.  
*T. acuta*. T. 15. fig. 1.
- Terebratula* (plicated varieties).  
*T. crumena?*
- Spirifer* or *Pentamerus*, a variety not yet figured;  
 agreeing in general form with the former, but in  
 the internal divisions of its valves with the latter.
- Gryphæa incurva*. T. 112. fig. 1.  
*G. obliquata*. T. 122. fig. 3.
- Ostrea*.  
*Pecten*.  
*Plagiostoma gigantea*. T. 77.  
*P. punctata*. T. 113, fig. 1.  
*Lima antiqua*. T. 214, fig. 2.  
*Plicatula spinosa*. T. 245.  
*Hippopodium*. T. 250; and another smaller species  
 not figured.  
*Perna?*

The most characteristic shells of this formation are the *Ammonites Bucklandi*, the *Gryphæa incurva*, and the *Plagiostoma gigantea*.

At Watchet on the Somersetshire coast, beautiful specimens of compressed *Ammonites* presenting thin coats of iridescent nacre are found.

A large proportion of the Whitby fossils are in nodules of clay iron-stone; in the cement stone, the *Ammonites* are occasionally coated with a small quantity of blende and galena. (G. Notes.)

*Echinus*.

A variety of *Cidaris papillata*, with long slender smooth acicular spines.

*Encrinies* or *Crinoidea*.

The following species of the genus *Pentacrinite* occur in the upper beds of the lias formation, and will be found figured in Mr. Miller's monograph of this family.

- P. Caput Medusæ*.  
*P. Briareus*.  
*P. subangularis*.  
*P. basaltiformis*.