

in the Cretaceous epoch. We have here adopted the restoration which has been so ably executed by Mr. Waterhouse Hawkins, at the Crystal Palace, Sydenham.

Besides the numerous Fishes with which the Oolitic seas swarmed, they contained some Crustaceans, Cirripedes, and various genera of Mollusca and Zoophytes. *Eryon arctiformis*, represented in Fig. 119, belongs to the class of Crustaceans, of which the spiny lobster is the type. Among the Mollusca were some Ammonites, Belemnites, and Oysters, of which many hundred species have been described. Of

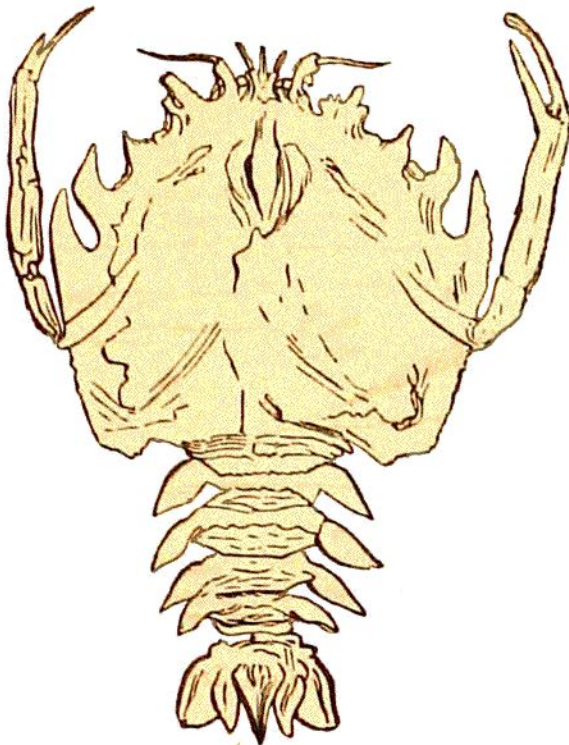


Fig. 120.—*Eryon arctiformis*.



Fig. 121.—Perfect Ammonite.

these we may mention *Ammonites refractus*, *A. Jason* and *A. cordatus*, *Ostrea dilatata*, *Terebratula diphya*, *Diceras arietena*, *Belemnites hastatus*, and *B. Puzosianus*. In some of the finely-laminated clays the Ammonites are very perfect, but somewhat compressed, with the outer lip or margin of the aperture entire (Fig. 120). Similar prolongations have been noticed in Belemnites found by Dr. Mantell in the Oxford Clay, near Chippenham.

Among the Echinoderms, *Cidaris glandiferus*, *Apiocrinus Roissyanus*, and *A. rotundus*, the graceful *Saccocoma pectinata*, *Millericrinus nodobianus*, *Comatula costata*, and *Hemicidaris crenularis* may be mentioned; *Apiocrinites rotundus*, figured in PLATE XIX., is a reduced restoration: 1, being expanded; a, closed; 3, a cross section of the