

posterior paddle, with the soft parts or integuments lying together in their natural position; *a*, marks the termination or distal extremity of the fin, consisting entirely of the carbonized integuments; these gradually widen and expand to receive the terminal rows of the phalangeal ossicles or bones, marked *b*. The upper border of this integumentary part of the paddle (*c*.) is formed by a smooth, well-defined line, apparently a mere duplicature of integument. But the lower margin (*d*.) exhibits the remains and impressions of a series of rays, by which the fold of integument was supported; and these rays bifurcate as they approach the margin of the fin. Professor Owen infers that these processes were either cartilaginous, or like the albuminous, horny tissue, composing the marginal rays in the fins of Sharks. The Lias at Barrow-on-Soar, appears to have been peculiarly adapted to the preservation of the more perishable parts of animal tissues; for Dr. Buckland detected the dermal integument of an Ichthyosaurus in a specimen from that locality (*Bd.* II. p. 22, pl. 10.); and in a fine skeleton with the four paddles, which I obtained from Barrow, there were decided traces of the carbonized integuments around each paddle, but which were, unfortunately, chiselled away, in developing the bones.

PLESIOSAURUS.* (*Bd.* pl. 16—19. *Wond.* p. 490.).
—The animals of this genus present in their

* Brit. Assoc. Rep. 1839, p. 50.