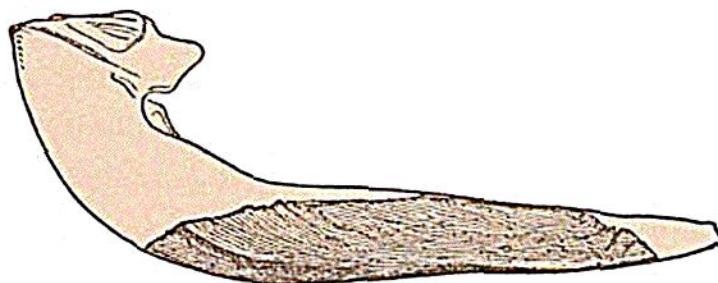


use such terms,) — seem possible in such circumstances. But if the buildings differ from each other, not only in external form, but also in every brick and beam, bolt and nail, no mere scheme of external alteration could ever induce a real resemblance. Every brick would have to be taken down, and every beam and bolt removed. The problem could not be wrought by the remodelling of an old house : the only mode of solving it would be by the erection of a new one.

Of the upper maxillary bones of the *Asterolepis*, I only know that a considerable fragment of one of the pieces, recognized as such by Agassiz, has been found in the neighborhood of Thurso by Mr. Dick, unaccompanied, however, by any evidence respecting its place or function. It exhibits none of the characteristic tubercles of the dermal bones, and no appearance of teeth ; but is simply a long bent bone, resembling somewhat less than the half of an ancient bow of steel or horn, — such a bow as that which Ulysses bended in the presence of the suitors. By some of the Russian geologists this bone was at first regarded as a portion of the arm or wing of some gigantic *Pterichthys*. In the accompanying print (fig. 34) I have borrowed the general outline from that

Fig. 34.



MAXILLARY BONE?

(One fourth nat. size, linear.)

of a specimen of Professor Asmus, of which a cast may be seen in the British Museum ; while the shaded portion rep-