

*P. mirus*,—the divisions of the leaflets seem little else than accidental rents in a simple frond; in *P. Nelsoni* they are apparently *nothing* more; and similar divisions, evidently, however, the effect of accident, and less rounded at their extremities than in at least *P. comptum*, we find exhibited by some of the Helmsdale specimens of *Tæniopteris*. (See fig. 142, p. 440.) But whatever the nature of these simple fronds, they seem to impart much of its peculiar character, all the world over, to the flora of the Oolitic ages.

The compound ferns of the formation are numerous, and at least proportionally a considerable part of them seem identical in species with those of the Oolite of England. (See fig. 143, p. 441.) Among these there occur *Pecopteris Whitbiensis*, *Pecopteris obtusifolia*, *Pecopteris insignis*,—all well marked English species; with several others. It has, be-

Fig. 144.



Fig. 145.



PACHYPTERIS.