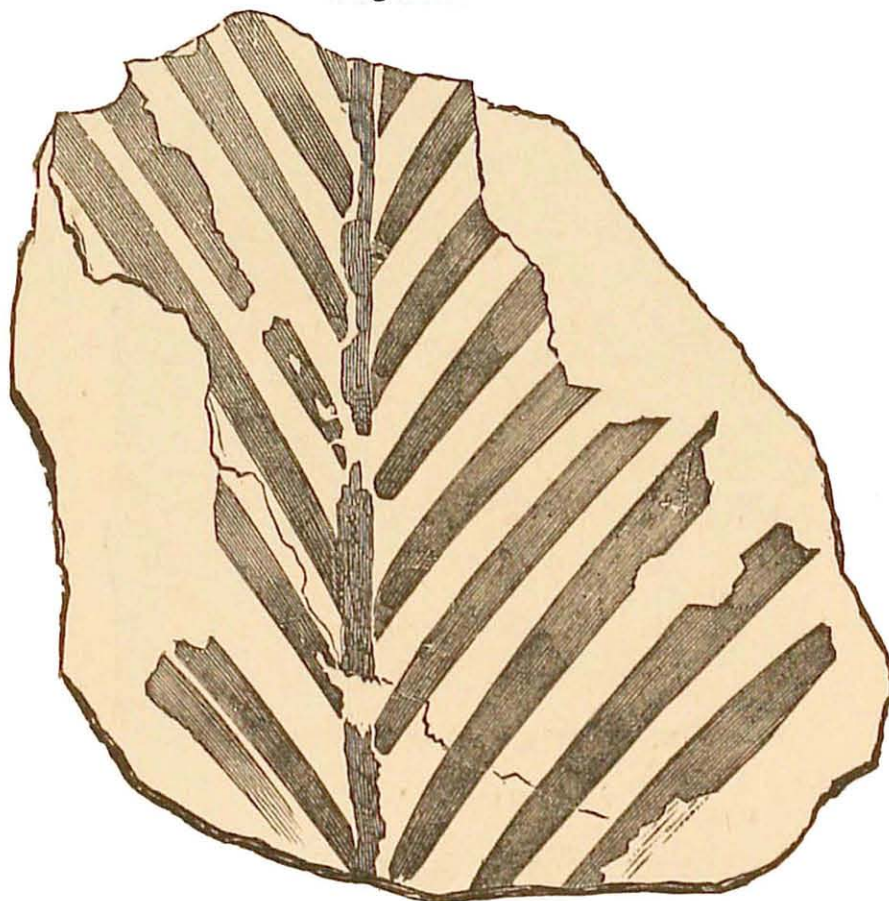


Fig. 136.



cality, bears a general resemblance to the latter; but the leaflets are narrower at the base, and, as the print indicates (fig. 136), so differently attached to the stem, that from the pressure in the rock most of them have become detached; while yet a fourth species (fig. 137), very closely resembles a *Zamia* of the Scarborough Oolite,—*Z. lanceolata*. The leaflets, however, contract much more suddenly from their greatest breadth, than those of *lanceolata*, into a pseudo-footstalk; and the contraction takes place not almost equally on both sides, as in that species, but almost exclusively on the upper side. And so, provisionally at least, this Helmsdale *Zamia* may be regarded as specifically new.

With the leaves of the Eathie *Zamia* we find, in this northern outlier of the Lias, cones of a peculiar form, which, like the leaves themselves, are still unfigured and undescribed, and some of which could scarce have belonged to any coniferous