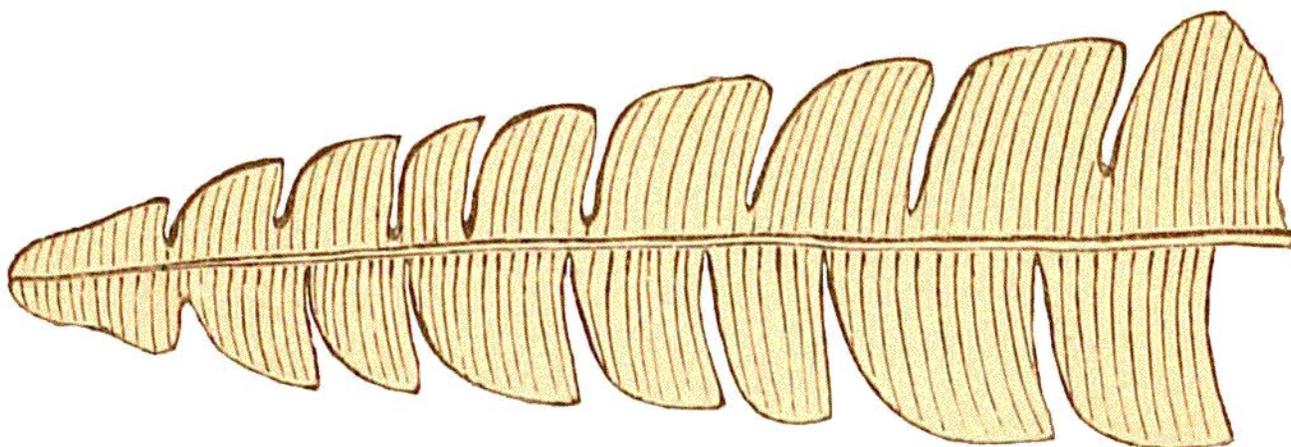


of Redcliffe Bay, leaves are found associated with jet, and pyritified dicotyledonous wood.

As these leaves differ from each other in their mode of venation, and in their segments, they have been arranged in three or four genera. Part of a leaf of *Zamia pectinata* is figured (*Lign.* 36.); and a species of *Pterophyllum*, a genus characterised by numerous veins of equal thickness, in *Lign.* 37.



LIGN. 37. Part of a leaf of *PTEROPHYLLUM COMPTUM*.

*Oolite, near Scarborough.*

These are particularly abundant in the clay and shale at Gristhorpe Bay, near Scarborough, and are frequently ten or twelve inches long. The Stonesfield slate contains both foliage and fruit of several species of *Zamia* (see *Lign.* 36.). In the Lias shale of Dorsetshire very beautiful specimens also occur. Cycadeæ are rarely met with in the upper divisions of the Wealden; but one elegant leaf (*Cycadites Brongniarti. Geol. S. E. p. 238.*), has been found in sandstone near Reigate, in Surrey. But the most interesting assemblage of the fossil