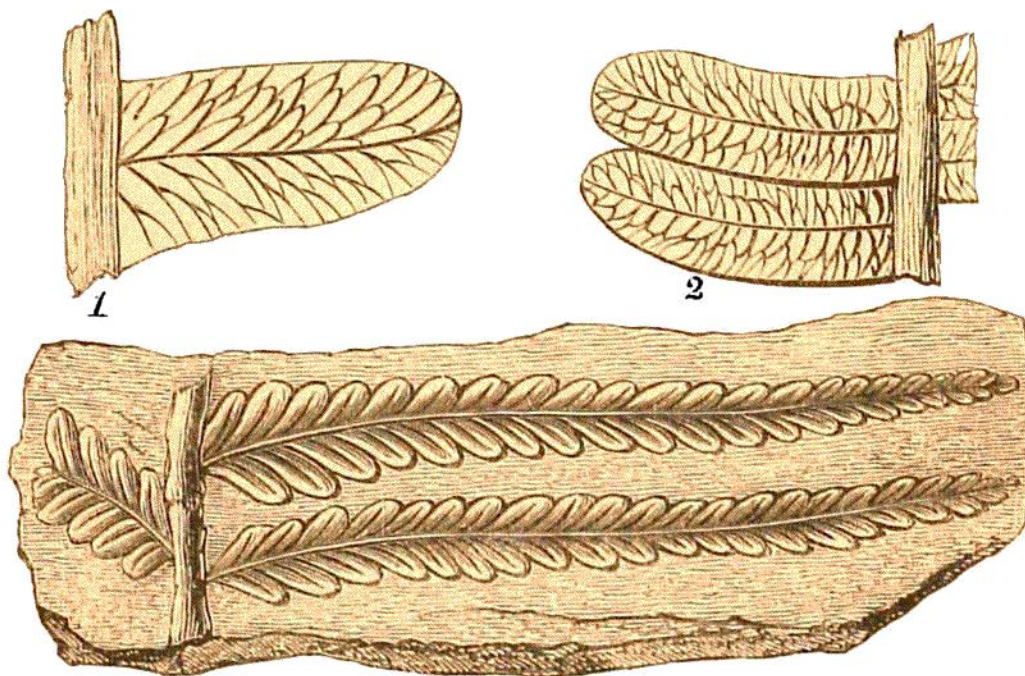


LONCHOPTERIS (*spear-leaved fern*).—Leaves many times pinnated; leaflets more or less adherent to each other at their base, traversed by a midrib;



LIGN. 19.

## LONCHOPTERIS MANTELLI.

*Wealden, Tilgate Forest.*

Fig. 1.—A leaflet, highly magnified, to show the reticulation of the veins.

2.—Two leaflets magnified.

secondary veins reticulated. The three species composing this genus resemble the living ferns of the genera *Lonchitis*, *Woodwardia*, &c. Two have been found in the coal-measures, and the other discovered in the strata of Tilgate Forest. (*Foss. Til. For.* pl. 3. *Wond.* p. 371.) This last appears to have been a delicate plant; for, although indications of its presence are very general throughout the fine micaceous grits, and even the clays of the Wealden,