

Dr. Lindley; for the general reader, I subjoin an explanation of a few that are frequently employed.



LIGN. 9. **PECOPTERIS SILLIMANI.**
Coal Shale. Ohio.

- a. The Stem.
- b. Leaf-stalk, or petiole.
- c. Leaf, or frond, which is bipinnate.
- d. e. Leaflets, or pinnæ; the upper, d, are entire; the lower, e, are pinnatifid.
- f. The pinnules, lobes, or segments.
- g. The midrib, or median vein.
- h. The veins. The veins are introduced in the leaflets, d; but in the lower ones, e, the midribs only are marked.

PACHYPTERIS* (*thick-fern*). Lign. 10.—The fronds

* The names of these genera are derived from *pteris*, fern, to which is prefixed a term indicative of the peculiar character.