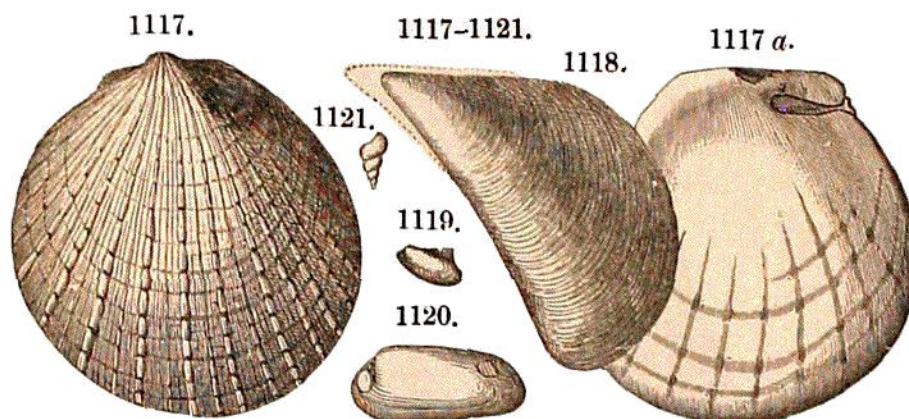


of them known to occur in the Coal-measures, with other species of the related genera *Cymoglossa*, *Goniopteris*, *Callipteridium*, *Callipteris*, and also of *Neuropteris*, *Sphenopteris*, *Alethopteris*, *Odontopteris*; many species of the Equisetum tribe, of the genera *Sphenophyllum*, *Annularia* and *Equisetites*, and the continuation of the Calamites, *C. Suckovi*; also, the occurrence of Cycads of the Permian genus *Baiera*, and of the remarkable Conifer of the Yew family, of the new genus *Saportea*, whose leaves were nearly four inches

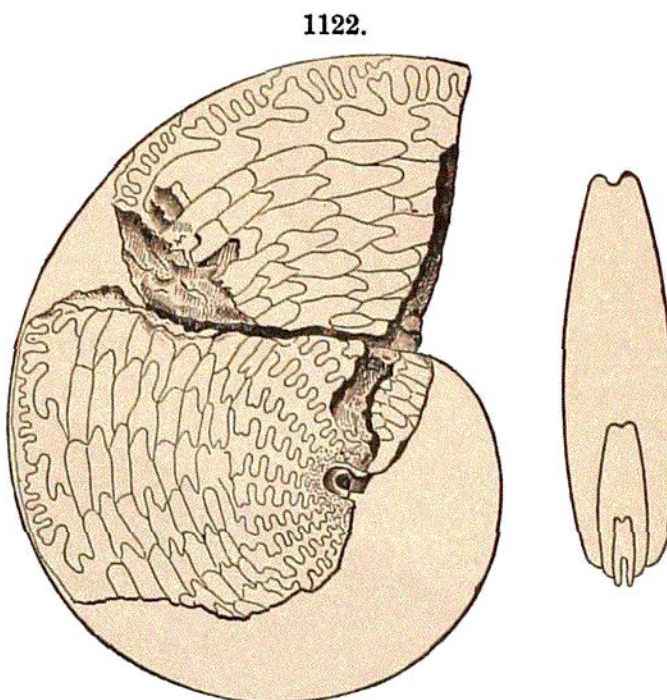


MOLLUSKS. — Fig. 1117, 1117 a, *Pseudomonotis Hawni*; 1118, *Myalina perattenuata*; 1119, *Bakewellia parva*; 1120, *Pleurophorus subcuneatus*; 1121, an undetermined Gastropod. Meek.

wide. Only 20 per cent of the species have been found in the Coal-measures, and over 25 per cent occur in the Permian of Europe, and the genus *Cymoglossa* is confined abroad to the Permian.

ANIMALS. — 1. Brachiopods,

Mollusks. — Many of the common Coal-measure species continue on into the Permian. Some of these are: *Productus semireticulatus*, *P. Rogersi*, *Chonetes Flemingi*, *Spirifer cameratus*, *Seminula (Athyris) subtilita*; and with these are others confined to the Permian, as *Meekella (Orthisina) Shumardana*, *Productus Norwoodi*, *Monotis Halli*, *M. speluncaria*, *M. variabilis*, *Pseudomonotis Hawni* var. *ovata* (Fig. 1117), *Myalina perattenuata* (Fig. 1118), *M. Permiana*, *M. Halli*, *M. recta*, *Bakewellia parva* (Fig. 1119), *Pleurophorus subcuneatus* (Fig. 1120), *Schizodus Rossicus*, *Nautilus eccentricus*, *N. Permianus*, *Cyrtoceras dorsatum*; and Texas has afforded C. A. White five species of



Medlicottia Copel. C. A. White.

and Texas has afforded C. A. White five species of