

ciently well preserved to exhibit the dimensions of the striæ. It is separated from the former principally on account of its much greater size.

*ARTHRARIA ANTIQUATA*, gen. and spec. nov.

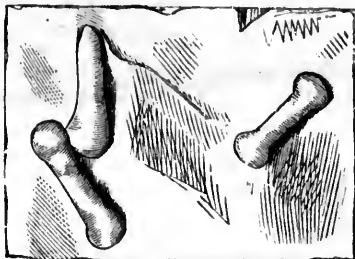


FIG. 2. Part of a slab of sandstone with *Arthraria antiquata*.

The fossils for which the above generic and specific names are proposed, are small cylindrical bodies, with usually an expansion at each end, giving the form of a dumb bell. Those that I have seen, are from six to nine lines in length, and from the manner in which they are grouped upon the surface of the stone, they appear to me to be segments of a jointed plant. Similar forms occur in the Clinton formation.

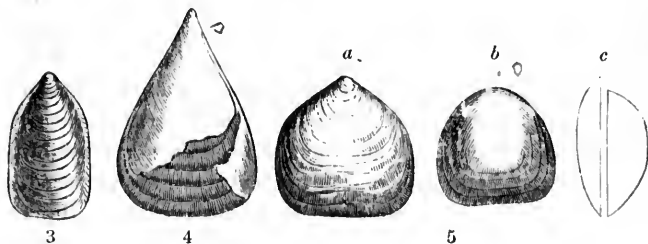


FIG. 3. *Lingula Murrayi*.

4. *Lingulella? affinis*, ventral valve.

5. " *spissa*, a ventral valve; b. dorsal valve; c, side view of both valves.

*LINGULA MURRAYI*, spec. nov.

Fig. 3.

Shell elongate, sub pentagonal; front margin straight or gently convex for a space equal to about two-thirds the width in the middle; anterior angles rounded; sides somewhat straight or very gently convex and parallel for two-thirds the length, then