

## Notice of vertical Calamites, near Pictou.

In Sir Lyell's Travels in North America, he notices the occurrence in the Upper Coal formation near Pictou of a bed containing vertical Calamites which was described to him by me; but was inaccessible at the time of his visit, in consequence of the erection of a Milldam. In the past autumn a portion of the dam was broken down, and a few feet of the outcrop of the bed was exposed. I at once availed myself of this circumstance & went among the strata which I had made several years since, and was so fortunate as to pass a group of ~~the~~ vertical Calamites in the upper portion of the bed, which I carefully measured and traced from the base to the point at which they had been broken off.

The beds dip to the SSS at an angle of 25°, and consist of argillaceous grey sandstone the upper part being somewhat hard & flinty. The lower very soft pure & shaly. The latter belongs to the upper portion of our main coal formation.



and are associated with some sandstones  
by sandstones & conglomerates - and  
conglomerates, all of which appear in the same  
and are in some places massive  
of calcareous nature. Lepidodendron, Sphenopteris  
& Fossils.

The calcareous found in the bed are about  
20 inches in length and the largest bunch  
in diameter. The larger individuals are  
in the upper part nearly at right angles to  
the bed. The smaller are more inclined and  
the thicker of a lower level than the  
larger. They show after exposure.

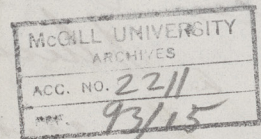
The larger individuals have not been  
crushed at top but have been broken off  
partially at the summit of the vertical part  
a crushed appear much like that of  
a glass of paper bent at right angles -  
The upper parts are flat and compressed  
between the bed and have been broken off & partly  
for westward - In tracing the lines showing  
they are much cylindrical except that the  
beds sometimes show lines as if they were







exposed under it and that the air deep  
in lungs with each breath taken and by  
the settling in upon them the air with  
them that I have of other the it of parts in  
system. My poultry grey in soft mud  
perhaps in the water and we have seen  
various specimens used after we have  
kind eventually looking down the stems.  
which put me in what the he looks  
must be the better and very fragile  
The layer of the leads has the stems with  
the stems the pale of the stems with  
it is difficult to procure good specimens but  
I have to see in some a few



Colby  
Bartholomew