

Pteronitella curta, Billings.

More perfect specimens of this shell enable me to add to Mr. Billings'* description, that the left valve is considerably more convex than the right, and ornamented with concentric, crowded, raised lamellæ. There are two muscular impressions, the anterior small, oval and near the beak, the posterior large and round.

Murchisonia, sp.

In addition to *M. Arisaigensis* and *M. acicula*, which are common on the East River, there is a third species, much less elongated than the former, and with a single revolving band in the middle of the body whorl. The specimens are not very perfect.

Holopea, sp.

A species not distinguishable from *H. sub-conica* of Hall from the L. Helderberg.

Platyceras, sp.

A small but beautifully perfect specimen of a conical and somewhat pyramidal *Platyceras*, with slight plications on one side. It is not distinguishable from young shells of *P. pyramidatum* of Hall from the Lower Helderberg; and is the only shell of this type I have seen in Nova Scotia.

Orthoceras Pictoense, n. s.

Transverse section oval, perhaps partly a result of pressure. Chambers narrow, 8 in an inch in a specimen 1.5 inch in greatest diameter. Shell scarcely tapering in five inches. Surface when perfectly preserved with delicate longitudinal striæ. Siphuncle not well seen but apparently inflated in the chambers. This is seemingly a representative in our Upper Silurian of *O. bullatum* of England.

Orthoceras (allied to *O. Ibeæ*).

This species has long been known to me from Arisaig, and I have specimens also from the East River, but not sufficient to make absolutely certain its identity or difference.

* Palæozoic Fossils of Canada.