

*Montrealensis*, Billings, in the Black River formation at the Hog's Back; and of *Ctenodonta* (it should be *Cyrtodon a*) *breviuscula*, Billings; *Ctenodonta*, sp.; and *Modiolopsis parviuscula* Billings; in the Chazy formation at the Hog's Back.

Lastly, in a paper on the "Fauna of the Chazy limestone," published in the American Journal of Science for November, 1905, Mr. Percy E. Raymond describes 13 species of pelecypoda from the Chazy of the State of New York, and Canada. Three of these are from the neighbourhood of Ottawa, viz., *Ctenodonta parvidens*, from the Hog's Back; and *Whitella Canadensis*, and *Modiolopsis Soweri*, from Aylmer. The types of these three species are in the Yale University Museum at New Haven, Connecticut. For the opportunity of examining these types and those of *Clionychia marginalis*, *Ambonychia (?) curvata*, and *Modiolopsis jabarjensis*, the writer is indebted to Mr. Raymond.

The pelecypoda that are described or referred to on the following pages, were collected by Mr. Walter R. Billings from the Chazy sandstone and shale on the east side of the rapids at the Hog's Back, in the township of Gloucester and county of Carleton, principally in the years 1906 and 1907. They are all mere casts of the interior of the shell, which rarely show any clear indications of the hinge dentition, or well defined imprints of the muscular scars.

From the sandstone which, Mr. Billings says, immediately underlies the Birds eye limestone at this locality, there appear to be about eight species of pelecypoda in the collection, though two of them are too imperfect for identification or description. These pelecypoda are associated with *Lingula Lyelli*, Billings, a *Holopea*, and casts of the interior of the shell of a species of *Spyroceras*.

From the immediately underlying shale there are, in the collection, specimens of *Ctenodonta parvidens*, Raymond, that show imprints of some of the hinge teeth, and several casts that may also be referable to that species, but which show no traces of such imprints. These are associated with *Lingula Belli*, Billings.

The species of pelecypoda in this interesting collection may be provisionally described or determined as follows:—

A. *From the Chazy sandstone at the Hog's Back.*

*CLIONYCHIA OTTAWAENSIS*, sp. nov.

Plate III, fig. 4.

Shell, as indicated by casts of the interior of single valves, small, strongly convex in the median region longitudinally, narrowly, obliquely and acuminate subovate, or mytiloid.