

PLATE XL.

(The specimens figured on this plate are from the Black River limestone at La Petite Chaudiere Rapids, on the Ottawa River, near Ottawa city.)

BARRANDEOCERAS VAGRANS (page 311).

- Figure 1. Inner surface of the type of this species, which has been rubbed down and polished in such a way as to exhibit an "artificial polished section passing through the central plane of the whorls."
" 1 a. Outline of a partially restored transverse section of part of the same specimen.
- Figure 2. Side view of an imperfect cast of the interior of the chambered portion of the shell of a specimen that is probably referable to this species, shewing many of the sutural lines on its convex surface.
" 2 a. Portion of the venter of the same, in outline, shewing three of the ventral saddles.

CYRTOCERAS SINUATUM (page 312).

- Figure 3. Side view of the exterior of a fragment of a specimen that is probably referable to this species, and that shews the surface markings of the test. (This fragment was figured inadvertently on this plate, when the writer was under the impression that the former was a very imperfect specimen of *Barrandoceras vagrans*.)
" 3 a. Inner surface of the same fragment, which has been broken longitudinally and weathered in such a way as to shew the edges of several of the septa, and the shape and relative position of the siphuncle.