

"Brachial valve regularly but moderately convex, most prominent externally at or about the midlength, a little wider than long, broadly rounded in front and less so at the sides, as in the pedicle valve, but abruptly contracted at the umbo, which is narrowly rounded and but slightly produced, while its beak is strongly incurved and recurved. Casts of the interior of this valve are marked with a longitudinal, linear, median groove, that represents the median plate and that extends from the umbo almost to the front margin, also with a lateral and slightly divergent linear groove, on each side, that extends from the umbo to a little beyond the midlength.

"Surface of both valves marked only with a few distinct concentric lines of growth."

Portage road at falls: "one imperfect and badly preserved specimen with both valves *in situ*, a nearly perfect pedicle valve, three imperfect brachial valves with most of the test preserved, and a cast of the interior of a large brachial valve.

"Judging by these specimens, this species would appear to belong to the group of *T. acuminata* rather than to that of *T. grandis*, though it seems to be always much shorter and wider than *T. acuminata*, *T. Ohioensis* or *T. Lindströmii*. The marginal contour of its brachial valve is not very unlike that of *T. Lindströmii*, but in the latter this valve is represented as flattened anteriorly to the umbo, and its pedicle valve has quite a different outline, the umbo being proportionately broader laterally, and the beak straight rather than incurved.

TRIMERELLA BOREALIS, Whiteaves.

Plate 25, figs. 3 & 3 a.

Trimerella borealis, Whiteaves. 1902. Ottawa Naturalist, vol. XVI, p. 142, pl. 3, figs. 2 & 3.

"Shell unknown; cast of the interior of both of the closed valves small, compressed, not far from circular in marginal outline, but a little wider than long.

"*Supposed pedicle valve*" (Fig. 3 a). "On the cast of the interior of this valve there are five linear grooves, of unequal length, that radiate forward and outward from the umbo. The middle one, that corresponds to the median plate, extends as far forward as a little past the midlength, the two next to it, on either side, are a little shorter, and the two outer ones shorter still.

"*Supposed brachial valve*" (Fig. 3). "On the cast of the interior of this valve there are two flattened conical casts of the platform vaults in the umbonal region, and between them there is a median, longitudinal linear groove, that is, however, widest posteriorly and that represents the median