

A FOSSIL LINGULA PRESERVING THE CAST OF THE PEDUNCLE.*

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The known examples of the preservation of the cast of any of the fleshy parts of a brachiopod in a fossil state are very few. Two only have heretofore come under my notice. One is the peduncle of *Eichwaldia subtrigonalis*, figured by Davidson from a silicified specimen collected from the Black River limestone in Canada (Mong. Brit. Foss., Brach., Vol. III, p. 192), and the other the peduncle of *Lingula? lesueuri*, figured by the same author (Vol. IV, p. 362, pl. xl, fig. 16).

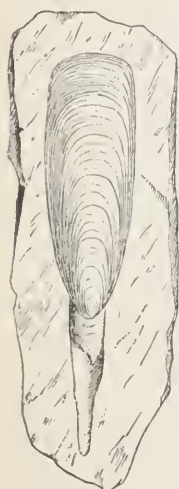


FIG. 2.



FIG. 1.



FIG. 3.

Figures 1 and 2 are copies of the original figures.

FIG. 1.—*Eichwaldia subtrigonalis*, showing peduncle issuing from the beak of the ventral valve (after Davidson).

FIG. 2.—*Lingula? lesueuri*, showing peduncle issuing from between the valves (after Davidson).

FIG. 3.—*Lingula aequalis* Hall, showing peduncle extending out from the ventral? valve.

The specimen to which I now call your attention shows the interior of the anterior portion of the ventral valve of the *Lingula aequalis* Hall, collected near Rome, N. Y., from the upper portion of the Lorraine Terrain. The portions of the shell remaining in the matrix show the median ridge extending back from the divaricator muscular scar, the reflex portion of the shell forming the false area and the groove for the passage of the peduncle. The portion of the peduncle preserved is nearly as long as the entire length of the shell.

I am indebted to Mr. William P. Rust, of Trenton Falls, N. Y., for the use of the specimen illustrated. It will be deposited in the collection of the U. S. National Museum.

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