

to the slit, which is covered in all its length by the somewhat contracted, sinuous-edged, cross-scored, straight, glassy septum, which arches in to the apex. L. 0·17 in. B. 0·13. H. 0·09.

This species has somewhat the form of *Puncturella granulata*, Seg., but is not so compressed, and the sculpture is quite different.

3. *Puncturella brychia*,¹ Watson (Pl. IV. fig. 7).

Puncturella brychia, Watson, Prelim. Report, pt. 16, Journ. Linn. Soc. Lond., vol. xvii., p. 32, sp. 4.

Station 47. May 7, 1873. Lat. 41° 14' N., long. 65° 45' W. Off Halifax, Nova Scotia. 1340 fathoms. Blue mud.

Shell.—Very small, porcellanous, translucent, oval, very slightly broader in front; its side slopes are slightly, its front slope extremely convex, its back slope is short and flattened, and very much overhung by the protuberant apex; there are sparse and distinct riblets. The slit is short and coarse, though not large; and from it a broad round ridge trending to the right runs out to the margin. *Sculpture*: The riblets are neither strong nor sharp; but they are distinct, rising as little round threads from the flat surface, and being parted by broad intervals, rather strongly pitted by the little specks of the genus; the ridge which runs down the front of the shell is the full breadth of the slit; the concentric striæ are mere slight irregular lines of growth. *Colour* clouded, porcellanous white under the brownish caducous epidermis. *Apex* very much curled in and bent down, but not spread out on the backward slope; the minute extreme tip is exerted and projects; the whorls are 2¼. *Slit*: The open part is short and narrowly oblong, and as broad in front as behind, from which point the old scar runs up the crest. *Margin* thin, patulous, especially behind, crenulated by the riblets. *Inside* porcellanous, deeply hollowed into the apex; scored by the rib-furrows, of which the one in front is very strong, particularly near the slit, which is rather closely covered by the strong, slightly arched septum, which has a retracted edge and is unbuttressed. L. 0·18 in. B. 0·12. H. 0·1.

In the animal the eye-peduncles are present; but no eyes are visible. The pedal papillæ are very small, as is also the funnel-shaped process leading to the shell-slit.

This species in general form is a good deal like *Puncturella agger*, but is more tumid and higher; the apex and sculpture are very dissimilar. Than *Puncturella conica*, D'Orb. (*Rimula*), which is much of the same size, *Puncturella brychia* has the apex much more turned over; the form is broader and much more depressed.

¹ βρύχιος, deep sea.