

beyond the top of the body, and in front goes slightly beyond the point of the pillar. *Outer lip* is gently curved in the middle, with a quick bend at either end; its edge seems to be nearly level, but emarginate in front. *Top* contracts rather quickly to a small central tip. *Inner lip*: a pretty distinct glaze covers the body; in front of this the narrow pillar projects somewhat obliquely, with a slight twist and prominent edge, and is rather abruptly cut off at the point; behind it lies a small furrow running up into a minute umbilical chink. H. 0.062 in. B. 0.03. Mouth, breadth at same place, 0.008.

The *Volvula acuta*, d'Orb. (*Bulla*), a Cuban species, is much sharper and more hunchy. *Volvula angustata*, A. Adams, is more cylindrical and less stumpy pointed above.

14. *Cylichna (Volvula) sulcata*, Watson (Pl. L. fig. 6).

*Cylichna (Volvula) sulcata*, Watson, Prelim. Report, pt. 19, Journ. Linn. Soc. Lond., vol. xvii. p. 326.

September 7, 1874. Torres Strait, north of Australia. 3 to 11 fathoms.

Station 186. September 8, 1874. Lat. 10° 30' S., long. 142° 18' E. Wednesday Island, Torres Strait. 8 fathoms. Coral mud.

*Shell*.—Oblong, very symmetrically curved, bluntly pointed above, and still more bluntly in front, white, very faintly spiralled, but with the centre part of the body plain. *Sculpture*: Longitudinals—there are very slight lines of growth. Spirals—at the lower end of the shell there are about ten very slight fretted spiral furrows; those above are rather sparse and irregular, those toward the point are crowded and feeble; the larger part of the shell is plain, while above are a few spirals still feebler than those in front. *Colour* translucent white. *Mouth* arched; about the middle the arch is flattened and narrowed, broadening a very little above and somewhat more in front; above, it rises bluntly beyond the top of the body, and in front it just passes the point of the pillar. *Outer lip* is very little curved in the middle, but bends in toward the axis at either end; its edge retreats a little above, but only very slightly in front. *Top* is bluntly and roundly pointed. *Inner lip*: there is a small transparent pointed pad where the outer lip rises from the tip; the curve of the body is regular, but just at the top of the pillar is a slight contraction; the pillar, which has a very faint tooth at its base, is slightly oblique, and markedly twisted out to the very point; it has a flat expanded and broadening front, with a sharp reverted edge, behind which is a rather strongly marked furrow,<sup>1</sup> but no umbilicus. H. 0.074 in. B. 0.034. Mouth, breadth at same place, 0.005.

In form this somewhat resembles *Volvula angustata*, A. Adams, but the sculpture is quite different. Compared to *Cylichna acuminata*, A. Adams, the apex of the Challenger species is not spike-like and the spiral striæ are stronger.

<sup>1</sup> It is from this feature the name of the species is derived.