

suture up the spire. *Colour* white. *Spire* high and narrow, conical. *Apex* broken. *Whorls*—10 at least remain below the embryonic shell; they are well rounded, and of very slow increase both in height and in breadth. *Suture* deeply impressed by the curve of the whorls; it is linear, and has both above and below it a minute flat border. *Mouth* broken, but apparently very round and oblique, a little angulated at the basal keel. *Inner lip* inconsiderable, very thin on the body, slightly reverted on the pillar. H. 0.42 in. B. 0.1. Penultimate whorl, height 0.06. Mouth, height 0.07, breadth 0.07.

This species has some resemblance to *Scalaria varicosa* (S. Wood<sup>?</sup>), G. O. Sars, but is much narrower, with smaller and more numerous whorls; and the base is much squarer, and is not contracted. It extremely resembles *Cerithiopsis costulata*, Möll., but is a larger shell, and under a superficial resemblance the whole sculpture, both longitudinal and spiral, is quite different.

#### 4. *Scalaria acus*, Wats. (Pl. IX. fig. 2).

*Scalaria acus*, Watson, Prelim. Report, pt. 15, Journ. Linn. Soc. Lond., 1883, vol. xvi. p. 608, sp. 3.  
 „ „ Jeffreys, "Lightning" and "Porcupine" Moll., Proc. Zool. Soc. Lond., 1884, p. 139, sp. 15.

Station 24. March 25, 1873. Lat. 18° 38' 30" N., long. 65° 5' 30" W. Off Culebra Island, West Indies. 390 fathoms. Pteropod ooze.

Station 73. June 30, 1873. Lat. 38° 30' N., long. 31° 14' W. West of Azores. 1000 fathoms. Pteropod ooze. Bottom temperature 39.4° F.

*Habitat*.—North Atlantic, from 49 to 1254 fathoms (Jeffreys).

*Shell*.—Small, compact, long, sharp, solidly ribbed, deeply sutured, with faint spiral markings, and on the rounded base a strong thread. *Sculpture*: Longitudinals—there are on the last whorl about 17, and on the first regular whorl about 15, strong, raised, rounded ribs, which cross from suture to suture in the line of the axis, and extend, though less strongly, to the base. Spirals—between the ribs there are traces of feeble striæ; on the last whorl there is one sharpish thread, which comes out exactly at the upper corner of the mouth, and encircles the base. *Colour* ivory-white. *Spire* high, narrow, conical. *Apex* consists of three brownish-yellow, glossy, broad, cylindrical whorls, of which the first is very short and rounded, the second short and slightly conical, and the third high and cylindrical; they have very fine, microscopic, hardly raised, flexuous, longitudinal threads, and still finer spirals. *Whorls* 12 in all, very much constricted at the suture both above and below, and somewhat flattened in the middle; after the apex they are of very slow and regular increase; the last is smallish, with a rounded base, within the contraction of which lies the basal thread. *Suture* wide and deeply impressed, oblique. *Mouth* broken. H. 0.22 in. B. 0.06. Penultimate whorl, height 0.037. Mouth, height 0.044, breadth 0.04.