

(?) Station 75. July 2, 1873. Lat. $38^{\circ} 38' N.$, long. $28^{\circ} 28' 30'' W.$ Off Fayal, Azores. 450 fathoms. Volcanic mud.

Station 78. July 10, 1873. Lat. $37^{\circ} 26' N.$, long. $25^{\circ} 13' W.$ San Miguel, Azores. 1000 fathoms. Volcanic mud.

Station 85. July 19, 1873. Lat. $28^{\circ} 42' N.$, long. $18^{\circ} 6' W.$ Palma, Canaries. 1125 fathoms. Volcanic mud.

Station 120. September 9, 1873. Lat. $8^{\circ} 37' N.$, long. $34^{\circ} 28' W.$ Pernambuco. 675 fathoms. Red mud.

Station 122. September 10, 1873. Lat. $9^{\circ} 5' S.$ to $9^{\circ} 10' S.$, long. $34^{\circ} 49' W.$ to $34^{\circ} 53' W.$ Pernambuco. 350 fathoms. Red mud.

Habitat.—From the Færøes to the Mediterranean, in 114 to 862 fathoms (Jeffer.)

Fossil.—From the Middle Pliocene onwards (Seguenza).

The specimen from Station 75 is peculiarly ruddy in colour, and of exceptional thickness; that is why I have put a query to it.

2. *Cithna margaritifera* (Watson), (Pl. XLIII. fig. 3).

Lacuna (Hela) margaritifera, Watson, Prelim. Report, pt. 5, Journ. Linn. Soc. Lond., vol. xv. p. 97.

Station 246. July 2, 1875. Lat. $36^{\circ} 10' N.$, long. $178^{\circ} E.$ Mid-Pacific, east of Japan. Bottom temperature $35^{\circ} \cdot 1 F.$ 2050 fathoms. Globigerina ooze.

Shell.—High, conical, strong, white, smooth, with a spiral of small beads just below the suture. *Sculpture:* there are many unequal not strong lines of growth. There are, on the upper part of each whorl, and strongest on the last, longitudinal puckerings stretching down from the infrasutural row of beads. The surface is also finely scratched longitudinally. Spirals close; below the suture there is a fine beaded thread with a slight spiral furrow below it; there are many rounded, but very slightly raised spiral threads; the whole surface is also finely spirally fretted. *Colour* dead white, porcellanous. *Epidermis:* none preserved. *Spire* high and conical. *Apex* broken. *Whorls* three (remaining), flatly convex; the last disproportionately long. *Suture* fine, but rather deeply impressed. *Mouth* oval, pointed above and at the end of the pillar, where it is also somewhat patulous, but the little expanded angle there is hardly enough to suggest a canal. *Outer lip* rather strong, very regularly curved from its junction with the body to the point of the pillar. *Pillar* very much curved. *Inner lip* carried across the body by a pretty strong callus, thin, sharp-edged, and projecting on the pillar. *Umbilicus* not large, but there is a well-marked and clearly defined furrow, whose exterior edge, however, is not, like that of *Lacuna*, continuous with the outer lip. H. 0·2 in. B. 0·13, least 0·1. Penultimate whorl, height 0·06. Mouth, height 0·1, breadth 0·07.