

14. *Trochus (Zizyphinus) zizyphinus*, Linne.

- Trochus zizyphinus*, Linne, Syst. Nat., 12th ed., p. 1231, No. 599.
 „ *zezyphinus*, Chemnitz, Conch. Cab., vol. v. p. 66, pl. clxvi. figs. 1592-94.
 „ *zizyphinus*, Lamarck, Anim. s. vert., vol. vii. p. 23, and (ed. Desh.) vol. ix. p. 142, sp. 46.
 „ „ Dillwyn, Cat., vol. ii. p. 799, sp. 94.
 „ „ Philippi, Conch. Cab. (ed. Küster), p. 62, sp. 59, pl. xiii. fig. 6.
 „ „ Wood, Ind. Test. ed. Hanley, p. 146, pl. xxix. fig. 94.
 „ *albidus*, Wood, Ind. Test. Suppl., (ed. Hanley), p. 219, pl. v. fig. 14 (*zizyphinus*).
 „ *zizyphinus*, Forbes and Hanley, Brit. Moll., vol. ii. p. 491, pl. lxvii. figs. 1-6.
 „ *conuloïdes*, Reeve, Conch. Icon., vol. xiv. pl. ii. fig. 16 (in part).
 „ *zizyphinus*, Searles Wood, Crag. Moll., vol. i. p. 124, pl. xiii. fig. 9, a-h.
 „ *vulgaris*, Adams, Monog. Trochid., Proc. Zool. Soc. Lond., 1851, p. 163, sp. 1.
 „ *zizyphinus*, Hanley, Ipsa Linn. Conch., pp. 322, 529.
 „ *zizyphinus*, Jeffreys, Brit. Conch., vol. iii. p. 330, sp. 15, and vol. v. p. 204, pl. lxiii. fig. 6.
 „ „ Hidalgo, Moll. test. marins Espagne, Journ. de conch., vol. xv. p. 400, sp. 1.
 „ „ Hidalgo, Molluscos Marinos de España, pl. lix. figs. 1-5.
 „ „ Weinkauff, Conch. d. Mittelm., vol. ii. p. 358, sp. 4.
 „ „ Aradas and Benoit, Conch. viv. Sicil., p. 160, No. 427.
 „ „ Monterosato, Enumeraz., p. 21.
 „ „ G. O. Sars, Moll. Reg. Arct. Norv., p. 141, No. 41.
 „ „ Seguenza, Form. Terz. Calabria, pp. 271, 320, 350.
 „ „ Fischer in Kiener's Iconog., p. 123, sp. 44, pl. xlii. fig. 2.
 „ „ Jeffreys, "Lightning" and "Porcupine" Moll., Proc. Zool. Soc. Lond., 1883, p. 106, no. 32.

Station 75. July 2, 1873. Lat. 38° 38' N., long. 28° 28' 30" W. Off Fayal, Azores. 450 fathoms. Volcanic mud.

Habitat.—From Finmark and the Færøes to the Canaries and the Mediterranean from 0 to 85 fathoms.

Fossil.—From the Miocene of the Vienna basin (Jeffreys), and from the Middle Pliocene onwards (Seguenza).

This is another of the cases to which I referred under *Trochus exasperatus*, Pennt., where the marking on the label sent to me did not agree with the officially published depth.

The species is one which every one knows, but about the synonymy of which everybody has his own opinion. In quoting authorities, my aim has been to choose such as are least in debate, as bearing on what in this country is accepted as Linne's species, omitting all, or nearly all, about which questions have been raised. The Challenger specimens are mere pulli in the worst condition, but belong unmistakably to Linne's species, and do not require the stirring of any inquiry about the relations of *Trochus Zizyphinus* to *Trochus conulus* or to *Trochus conuloïdes*.

15. *Trochus (Zizyphinus) arruensis*,¹ Watson (Pl. VI. fig. 5).

Trochus (Zizyphinus) arruensis, Watson, Prelim. Report, pt. 5, Journ. Linn. Soc. Lond., vol. xv. p. 91.

September 18, 1874. Arrou Islands, S.W. of Papua.