

Of this species there are two males and two females in the Challenger collection, obtained on the 3rd of March 1876, at the surface, in the South Atlantic Ocean. One of the females is remarkable for the length of the filiform appendage,<sup>1</sup> at the end of the short caudal prolongation being considerably longer and more thread-like than that figured by Eydoux and Souleyet (Voy. "Bonite," pl. xvi. fig. 1). In the other specimen it is altogether wanting, its absence doubtless being due to accident. The male examples have much the general aspect of the females, but are at once recognised by the presence of tentacles and the genital organs behind the nucleus. This portion of the animal is fairly like the representation of that of *Firoloida lesueurii* (*op. cit.*, pl. xvi. figs. 5, 6, 7), but the narrow prolongation or caudal extremity is not so distinctly jointed as depicted in the figures. Neither of the females have a sucker on the fin, but it is present in both males. The egg-tube of one of the specimens is 10 mm. in length, and of precisely the same construction as that figured by Troschel (*Firoloida gracilis*). It contains between four hundred and four hundred and fifty ova packed together apparently without any definite arrangement.

*Firoloida lesueurii* (d'Orbigny).

1836. *Firola* (*Cerophora*) *lesueurii*, d'Orbigny, Voy. Amér. mérid., vol. v. p. 151, pl. x. figs. 11, 12.
1841. *Firole de Lesueur*, Eydoux and Souleyet, Voy. "Bonite," Atlas, pl. xvi. figs. 5-7.
1850. *Pterotrachea* (*Firoloida*) *eydouzii*, Gray, Fig. Moll. Anim., vol. iv. p. 100, pl. cccxxxviii. fig. 2 (copy of Eydoux and Souleyet).
1850. *Cerophora lesueurii*, Gray, *op. cit.*, pl. lxii. fig. 4 (copy of d'Orbigny).
1852. *Firoloida lesueurii*, Souleyet, Voy. "Bonite," Zool., vol. ii. p. 343.
1853. " " " " Vérany, Journ. de Conchyl., vol. iv. p. 381.
1854. *Firoloides lesueurii*, Leuckart, Zool. Untersuch., Heft. iii. pp. 3-68, pls. i., ii.
1855. *Firoloides eydouzii*, H. and A. Adams, Gen. Moll., vol. ii. p. 95.
1855. " " *lesueurii*, *id.*, *loc. cit.*, p. 95, pl. lxix. fig. 8 (copy of d'Orbigny).
1858. *Firoloides lesueurii*, Owen, Ency. Brit., vol. xv. p. 378, fig. 71.
1866. *Firoloides lesueurii*, Keferstein, Bronn's Thierreich, vol. iii. pt. 2, pl. lxix. fig. 8 (reduced copy of Eydoux and Souleyet).

*Habitat.*—Indian and Atlantic Oceans (Eydoux and Souleyet).

A comparison of d'Orbigny's figures and description with those of Souleyet will show considerable differences in several points. This I presume induced Gray and the Messrs. Adams to believe that two distinct forms were indicated. However, as most likely d'Orbigny's figures and his account of this animal are more or less defective, it seems probable, or at all events possible, that Souleyet was right in associating his specimens with this species.

<sup>1</sup> Fol (*Arch. d. Zool. Expér.*, 1876, vol. v. p. 107) erroneously states that *Firoloida* has no filiform appendage. It was described and figured by Souleyet in 1852, and again by Macdonald in 1862.