

fin. Furthermore, the spire is proportionally much shorter in *Limacina trochiformis*, and the operculum has a form differing from that of all the other species in the large extent of its spiral portion (three-sevenths) and in the convexity of its columellar margin.<sup>1</sup> In *Limacina australis*<sup>2</sup> the columellar margin of this operculum is almost rectilinear, and the spiral portion hardly attains to more than a third of the total length. *Limacina trochiformis* has certainly less affinity with *Limacina australis* than *Limacina lesueurii*, in spite of the depressed spiral of the latter.

As to *Limacina retroversa*, it is certainly more nearly allied to *Limacina australis* than *Limacina trochiformis*, but the characters which distinguish it from that form are quite distinct enough to be recognised as specific. Thus the umbilicus of *Limacina retroversa*, while quite distinct, is very narrow,<sup>3</sup> in contrast to that of *Limacina australis*, which as we have seen is very broad.<sup>4</sup> The spire is pointed in *Limacina retroversa*, but obtuse in *Limacina australis*, where the whorls are besides more convex, less numerous, and separated by a shallower suture. Even at first sight *Limacina australis* is distinguished from *Limacina retroversa* by the expansion of the last coil and by its projection beyond those in front. Finally, in *Limacina retroversa* the spiral portion of the operculum is much more reduced than that of *Limacina australis*.<sup>5</sup>

#### 8. *Limacina retroversa* (Fleming).

1788. (?) *Turbo lunaris*, Gmelin, *Systema naturæ*, i. p. 3587.  
 1823. *Heterofusus retroversus*, Fleming, On a reversed species of *Fusus*, Mem. Wern. Nat. Hist. Soc., vol. iv. p. 498, pl. xv. fig. 2.  
 1841. *Limacina balca*, Møller, Bemaerkninger til slægten *Limacina*, Krøyer, Nat. Hist. Tidsskr., 1 Række, Bd. iii. p. 489.  
 1844. *Peracle flemingii*, Forbes, in Thompson, Report on the Fauna of Ireland, Rep. Brit. Assoc., 1843, p. 249.  
 1844. *Scæa stenogyra*, Philippi, Fauna Molluscorum utriusque Siciliæ, p. 164, pl. xxv. fig. 20.  
 1846. *Spirialis stenogyra*, Lovén, Index Molluscorum litora Scandinaviæ occidentalia habitantium, Översigt k. Vetensk.-Akad. Förhandl., 1846, p. 4.  
 1849. *Spirialis flemingii* and *Spirialis macandrei*, Forbes and Hanley, History of the British Mollusca and their Shells, vol. ii. pp. 384, 385, pl. lvii. figs. 4, 5, 6, 7.  
 1849. (?) *Spirialis jeffreysii*, Forbes and Hanley, *Ibid.*, vol. ii. p. 386, pl. lvii. fig. 8.  
 1850. *Limacina retroversa*, Gray, Catalogue of the Mollusca in the collection of the British Museum, pt. 2, Pteropoda, p. 33.

<sup>1</sup> Souleyet, Voyage de la Bonite, Zoologie, Mollusques, pl. xiii. fig. 33.

<sup>2</sup> Souleyet, *Ibid.*, pl. xiii. fig. 24.

<sup>3</sup> Sars, Mollusca regionis arcticæ Norvegiæ, pl. 29, figs. 2c, 3b.

<sup>4</sup> Souleyet, Voyage de la Bonite, Zoologie, Mollusques, pl. xiii. fig. 23.

<sup>5</sup> Sars, Mollusca regionis arcticæ Norvegiæ, pl. 29, figs. 2d, 3d.