

furrows, which are most distinct round the periphery. *Colour* hyaline to porcellanous, lustrous. *Spire*—each whorl is a little below the level of the one which follows; but the *Apex*, which is mamillate, small, and glossy, rises distinct in the middle and is not introverted (as in *Bifrontia zancaea*, Phil.) *Whorls* nearly four, convex, small; they are contiguous, except the last, which towards the mouth is separated from the one which it lies beside. *Suture* well impressed. *Mouth* small, round, but with a slight tendency to angularity. *Lip* thin, rather patulous on the inner side. *Umbilicus* includes the whole shell, and exposes all the whorls; it is a good deal more impressed than the upper side of the shell. H. 0.042 in. B. 0.097. Mouth, height 0.042, breadth 0.039.

It is possible this shell may be a *Bifrontia*, as I have named it, but I do not believe it to be so. Still less, however, do I think it a *Serpularia*, and I do not know what else to call it. So till something more is known of the shell and of the animal than I have learned from the three Challenger specimens, I think it safest to class it as I have done.

3. *Trachysma*, G. O. Sars, 1878.

Trachysma delicatum (Philippi).

Cyclostoma? delicatum, Philippi, Enum. Moll. Sicil., vol. ii. p. 222, pl. xxviii. fig. 3.

Trachysma „ G. O. Sars, Moll. Arct. Norv., p. 212, No. 125, pl. xxii. figs. 17, 18.

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

Station 78. July 10, 1873. Lat. 37° 26' N., long. 25° 13' W. San Miguel, Azores, 1000 fathoms. Volcanic mud.

Station 122. September 10, 1873. Lat. 9° 5' S., long. 34° 50' W. Pernambuco. 350 fathoms. Red mud.

Habitat.—Mediterranean (Philippi) and North Atlantic (Sars).

This species was got by the "Porcupine" expedition in the North Atlantic. The generic name is a MS. one of Dr J. Gwyn Jeffreys, but was first published by Sars.

Family SCALARIIDÆ, Broderip, 1839.

Genera. 1. *Scalaria*, Lamarck. 2. *Crossea*, A. Adams.

1. *Scalaria*, Lamarck, 1801.

Species.

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| 1. <i>Scalaria aculeata</i> , Sow. | 6. <i>Scalaria vermetiformis</i> , n. sp. |
| 2. <i>Scalaria jukesiana</i> , Forb. | 7. <i>Scalaria philtata</i> , n. sp. |
| 3. <i>Scalaria tortilis</i> , Wats. | 8. <i>Scalaria (Cirsotrema) hellenica</i> , Forb. |
| 4. <i>Scalaria acus</i> , Wats. | 9. <i>Scalaria (Cirsotrema) dentiscalpium</i> , Wats. |
| 5. <i>Scalaria funiculata</i> , Wats. | 10. <i>Scalaria (Acirsa) subdecussata</i> , Cant. |
| | 11. <i>Scalaria (Acirsa) pyrrhias</i> , n. sp. |