

but rising in broad shallow steps. *Apex* small, raised. *Whorls* 5, flattened or even slightly concave above, strongly keeled and angulated in the middle, of regular increase; the last is very large and ventricose, with an elongated but convex base, and a very small snout. *Suture* impressed, very horizontal. *Mouth* fully half the size of the shell, oval, angulated at the keel and at the base of the pillar. *Outer lip* rounded and open, advancing a little in front of the point of the pillar. *Inner lip* thinly spread on the body, with a small chink in front behind the pillar, the edge of which is narrow and twisted, with two indistinct folds above it. H. 0·4 in. B. 0·28. Penultimate whorl, height 0·07. Mouth, height 0·3, breadth 0·17.

I failed to extract the animal from the shell; but plainly it had no operculum. The extreme bluntness and tabulation of the spire give a very peculiar aspect to this species.

Family PLEUROTOMACEA,¹ Lovén, 1847.

Genera. 1. *Pleurotoma*,² Lam. 2. *Clathurella*, Carp. 3. *Borsonia*, Bellardi. 4. *Clionella*, Gray.

1. *Pleurotoma*,³ Lamarck, 1799.

Species.

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| 1. <i>Pleurotoma marmorata</i> , Lam. | 14. <i>Pleurotoma (Surcula) tuberculata</i> , Gray. |
| 2. <i>Pleurotoma monilifera</i> , Pease. | 15. <i>Pleurotoma (Surcula) staminea</i> , Wats. |
| 3. <i>Pleurotoma speciosa</i> , Reeve. | 16. <i>Pleurotoma (Surcula) trilix</i> , Wats. |
| 4. <i>Pleurotoma tigrina</i> , Lam. | 17. <i>Pleurotoma (Surcula) lepta</i> , Wats. |
| 5. <i>Pleurotoma undosa</i> , Lam. | 18. <i>Pleurotoma (Surcula) rotundata</i> , Wats. |
| 6. <i>Pleurotoma ischna</i> , Wats. | 19. <i>Pleurotoma (Surcula) goniodes</i> , Wats. |
| 7. <i>Pleurotoma spicea</i> , Wats. | 20. <i>Pleurotoma (Surcula) plebeia</i> , Wats. |
| 8. <i>Pleurotoma xanthophaës</i> , Wats. | 21. <i>Pleurotoma (Surcula) syngenes</i> , Wats. |
| 9. <i>Pleurotoma phymatias</i> , Wats. | 22. <i>Pleurotoma (Surcula) hemimeres</i> , Wats. |
| 10. <i>Pleurotoma (Surcula) brevicaudata</i> , Reeve. | 23. <i>Pleurotoma (Surcula) anteridion</i> , Wats. |
| 11. <i>Pleurotoma (Surcula) deshaysii</i> , Doumet. | 24. <i>Pleurotoma (Surcula) bolbodes</i> , Wats. |
| 12. <i>Pleurotoma (Surcula) leucotropis</i> , Ad. and
Reeve. | 25. <i>Pleurotoma (Surcula) gypsata</i> , Wats. |
| 13. <i>Pleurotoma (Surcula) oxytropis</i> , Sow. | 26. <i>Pleurotoma (Surcula) dissimilis</i> , n. sp. |
| | 27. <i>Pleurotoma (Genota) didyma</i> , Wats. |

¹ As a name for the family Pleurotomaceæ was published by Hinds (Voyage of the "Sulphur," p. 15, 1844), but entirely without definition.

² *Turris* of Humphrey, 1797, adopted by Adams (Genera, vol. i. p. 87), is *Turritella*. *Turris* of Bolten, 1798, is *Pleurotoma*, but is only a catalogue name.

³ I regret that the very valuable work of Bellardi on the tertiary molluscs of Piedmont, of which vol. ii., 1877, contains 674 species of *Pleurotoma*, did not come into my hands till so late a period as made any thorough comparison of his Piedmontese fossils with any of the living species from the Atlantic basin impossible, and yet it is obvious that such a comparison is absolutely needed. A freer interchange of the publications of learned societies at home and abroad, of which the American Government gives so admirable an example, would greatly facilitate such work.