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| 1. <i>Atlanta inflata</i> , d'Orbigny.               | 5. <i>Limacina balea</i> , Möller.          |
| 2. <i>Atlanta lesueurii</i> , d'Orbigny.             | 6. <i>Atlanta trochiformis</i> , d'Orbigny. |
| 3. <i>Clio helicina</i> , Phipps.                    | 7. <i>Atlanta bulimoides</i> , d'Orbigny.   |
| 4. <i>Spirialis australis</i> , Eydoux and Souleyet. |   |

The considerable number (twenty-nine) of other forms described (often very imperfectly, and without examination of the animals) includes the following forms. I should rather say did include the following when I undertook this Report, for as the result of the investigation about to be recounted, certain changes in the grouping become necessary. Thus one species in Group III. must be referred to Group I., while two species of Group II. must be placed at the end of the seven species chronicled above.

I. One, which I cannot regard as a Pteropod : *Limacina turritelloides*, Boas.

II. Four, which appear to me to belong quite clearly to the Thecosomatous Limacinidæ :—

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| <i>Embolus triacanthus</i> , Fischer.  | <i>Limacina helicoides</i> , Jeffreys. |
| <i>Limacina antarctica</i> , Woodward. | <i>Atlanta reticulata</i> , d'Orbigny. |

III. Four, which seem to me much less certain, but in regard to which the reports of those who have studied them are not sufficient to admit of a positive conclusion as in the case of the two preceding groups. Until further information is forthcoming they must be regarded as doubtful :—

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| <i>Limacina</i> (?) <i>cucullata</i> , Gould. | <i>Agadina stimpsoni</i> , A. Adams. |
| <i>Agadina gouldi</i> , A. Adams.             | <i>Atlanta rotunda</i> , d'Orbigny.  |

IV. Finally, all the other specific titles are synonyms either of some of the seven well-known species, or of the four included in the second group :—

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| <i>Argonauta artica</i> , Fabricius, . . .             | } = <i>Clio helicina</i> , Phipps.            |
| <i>Limacina helicalis</i> , Lamarck, . . .             |   |
| <i>Spiratella limacina</i> , de Blainville, . . .      |   |
| <i>Limacina pacifica</i> , Dall, . . .                 |   |
| <i>Peracle flemingii</i> , Forbes, . . .               | } = <i>Heterofusus retroversus</i> , Fleming. |
| <i>Limacina balea</i> , Möller, . . .                  |   |
| <i>Scæa stenogyra</i> , Philippi, . . .                |   |
| <i>Spirialis gouldii</i> , Stimpson, . . .             |   |
| <i>Spirialis jeffreysii</i> , Forbes and Hanley, . . . |   |
| <i>Spirialis macandrei</i> , Forbes and Hanley, . . .  | } = <i>Atlanta trochiformis</i> , d'Orbigny.  |
| <i>Heterofusus alexandri</i> , Verrill, . . .          |   |
| <i>Limacina naticoides</i> , Rang, . . .               |   |