

The soft parts of two specimens and a few fragments of the shells adhering to them were alone obtained. From these it is evident that the species is rather large, probably about 20 mm. in length. The shell is excessively thin, prettily iridescent within and faintly so on the outside, which is more or less covered with a thin filmy pale yellow epidermis, which towards the outer margin of the valves is produced into oblique thread-like lines, and somewhat reflexed within. The sculpture consists of distinct concentric lines of growth, a few subdistant hair-like radiating lines chiefly observable near the outer margin, and very minute rather irregularly scattered granules which appear to be most numerous and more regularly arranged on the anterior side. The umbones are white, smooth, incurved, and incline towards the front. The hinge-line is rounded and quite toothless in both valves. The ligament is external, strongish, and attached to the edge of the valves.

I cannot discover any sufficient reasons for separating the Australian and American specimens of this very interesting species. They agree exactly as regards the hinge, the fragility of the valves, the epidermis, and the character of the sculpture, the Atlantic example, however, exhibiting rather more distinct granulation. The animals also are precisely alike, even the number of papillæ surrounding the siphonal openings being precisely the same, namely fifteen. This is another instance of the remarkable distribution of some deep-sea forms.

Subfamily ANATININÆ.

Anatina, Lamarck.

Anatina siphonata, Reeve.

Anatina siphonata, Reeve, Conch. Icon., vol. xiv. pl. i. fig. 2.

Habitat.—Station 208, Philippine Islands, at a depth of 18 fathoms; blue mud.

The Challenger specimen is a little larger than the type, and almost exactly of the same form. I think it probable that *Anatina flexuosa*, Reeve, *Anatina cumingii*, Valenciennes, *Anatina amphora*, Reeve, and one or two other so-called species, together with that under consideration, are merely variations of one and the same form.

Anatina elliptica (King and Broderip), juv.

Anatina elliptica, King and Broderip, Zool. Journ., vol. v. p. 335.

Anatina elliptica, Reeve, Conch. Icon., vol. xiv. fig. 14.

Anatina elliptica, Griffith's Anim. Kingd., vol. xii. pl. xxii. fig. 3.

Anatina prismatica, Sowerby, Proc. Zool. Soc. Lond., 1834, p. 87.

Testa juvenis fragilissima, oblonga, transversa, antice rotundata, postice lata, arcuatum truncata, inæquilateralis, alba, concentrice rugose striata, sulco obliquo haud profundo ab