

*Dimensions*.—1.5 mm. in diameter.

Operculum and animal unknown, but almost certainly like those of the two other species here enumerated.

*Habitat*.—Kino Osima (Japan), A. Adams.

\*3. *Agadina*, n. sp. (Pl. I. figs. 15, 16).

*Shell* smooth, globular; spire short, but projecting beyond the last whorl; three bulging whorls, overlapping, and somewhat obliquely twisted; aperture rounded, oblique, with margins slightly expanded; umbilicus almost suppressed, covered by the last turn, which exhibits a keeled projection over this spot.

*Operculum* horny, circular, multispiral, with four and a half whorls, gradually increasing in a left-handed spiral; the surface of insertion very large.

*Animal*.—Without fins, resembling that of *Agadina stimpsoni*, but with the lobes of the velum more pointed, and the foot more elongated anteriorly.

*Challenger Specimens*.—I. Living.

Station 175, August 12, 1874; Fiji to Raine Island; lat. 19° 2' S., long. 177° 10' E.

Station 216A, February 16, 1875; north of New Guinea; lat. 2° 56' N., long. 134° 11' E.

II. Deposit shells.

Station 120, September 9, 1873; off the coast of South America, between Pernambuco and Bahia; lat. 8° 37' S., long. 34° 28' W.; depth, 675 fathoms; bottom, red mud.

Since this form, like the two before it, is only the larval form of some Gastropod, there is no occasion to give it a specific title.

It is evident that these species cannot be ranked among the Pteropods. The absence of fins, the presence of a four-lobed velum when the shell has already three whorls on its spire, the presence of a foot with a creeping surface, are facts sufficient to demonstrate that we have here to deal with pelagic larvæ of streptoneural Gastropods.

This shows very distinctly the dangers of elaborating a zoological system without due regard to comparative anatomy.

Woodward's<sup>1</sup> statement that the true Limacinidæ may be distinguished by their left-handed twisting "from the fry of *Atlanta*, *Carinaria* and most other Gastropods" is thus quite inexact.

What enables one always to distinguish the Limacinidæ from the larvæ of Gastro-

<sup>1</sup> *Manual of the Mollusca*, 1856, p. 207.