

The two valves figured in Pl. VII. are the only examples of this species. In the same dredging, from a depth of 2050 fathoms (Station 246) were also found some specimens of the next described species *Bairdia minima*, and it is not unlikely that one species may prove to be only a fully-developed stage of the other. This, however, cannot be decided without comparison with a larger series of specimens in various stages of growth.

[Pl. VII. fig. 4, *a-c*. *a* Left valve seen laterally, *b* right valve seen laterally, *c* the same seen from above. Magnified 30 diameters.]

8. *Bairdia minima*, n. sp. (Pl. VII. fig. 6, *a-g*).

Shell, seen laterally, oblong, subovate or subtriangular, somewhat gibbous, greatest height situated near the middle, and equal to nearly two-thirds of the length; extremities rounded, anterior broad, posterior somewhat angular and narrower; dorsal margin strongly arched and slightly angular or gibbous at its highest point, ventral nearly straight; seen from above, the outline is broadly and regularly ovate, widest in the middle, and tapering evenly to the extremities which are pointed; the width and height of the shell are equal; end view very broadly ovate or subcircular. [The specimen shown in figures *e-g* differs only in being somewhat more compressed laterally, and may, perhaps, belong to a male, figures *a-d* representing probably the female.] Shell perfectly smooth. Length, 1-35th of an inch (.75 mm.).

*Habitat*.—Port Jackson, Australia, 6 fathoms, and from a depth of 2050 fathoms, lat. 36° 10' N., long. 178° 0' E. Station 246.

The characters of this species are not very well marked, and it may fairly be doubted whether it be not only a young stage of some larger animal, perhaps of *Bairdia abyssicola*.

[Pl. VII. fig. 6, *a-g*. *a-d* specimens from Station 246. *a* Carapace seen from left side, *b* from above, *c* from below, *d* from front. *e-g* specimens from Port Jackson; *e* seen from left side, *f* from below, *g* from front. All magnified 50 diameters.]

9. *Bairdia ovata* (?), Bosquet (Pl. VII. fig. 3, *a-d*).

*Bairdia ovata*, Bosquet, *Crustacés fossiles du Limbourg*, 1853, p. 63, pl. v. fig. 6, *a-d*.

*Bairdia ovata*, Brady, *Trans. Zool. Soc. Lond.*, 1865, vol. v. p. 364, pl. lvii. fig. 7, *a-c*.

Valves ovate, broadly and evenly rounded in front, more or less produced at the infero-posteal angle. The left valve is almost perfectly egg-shaped, very broad in front, the margins sweeping in one continuous curve, with a very bold dorsal, and a slight ventral arch to the posterior angle, which is subacute. The right valve is, as usual, narrower, distinctly beaked behind, and has the dorsal and ventral margins slightly sinuous; outline as seen from above, regularly ovate. Shell-surface quite smooth. Length, 1-22d of an inch (1.1 mm.).