

profunda, lanceolata. Umbones parvi, nivei, paulo prominentes, antrorsum versi. Cardo dente unico conico infra apicem in valva dextra et duobus in sinistra instructa, et margo posticus dorsalis valvæ dextræ dente laterali elongato, haud conspicuo munitus. Ligamentum internum magnum, obliquum, in sulco infra marginem locatum. Pagina interna haud nitida, subrugose radiatim striata, margine exteriori minute crenulato.

This species is thin, rather globose, about equilateral, rounded, whitish, and, judging from the single specimen under examination, somewhat tinted near the central portion of the valves with pale brown. It is slightly glossy, and sculptured with fine concentric lines of growth and equally fine radiating striæ, which are almost obsolete down each side and more or less indistinct near the middle of the valves, and entirely absent near the umbones. The anterior dorsal margin is oblique, and a little concave by reason of the small, shortly lanceolate and slightly sunken lunule. The beaks are small, smooth, white, only a very little elevated, and curve over towards the front. The hinge is composed of a single cardinal tooth in the right valve which fits in between two in the left, of which the anterior is the larger, and a narrow insignificant lateral in the right, near but distinct from the posterior dorsal edge, which is received by a corresponding groove in the other valve. The ligament is rather large, entirely internal, and placed in an oblique furrow, extending from the apex not quite to the end of the lateral teeth. The interior has very little gloss, and is rather strongly radiately striated and marked with numerous shallow punctures, neither being met with beyond the pallial line. The muscular scars are large, and the inner margin of the valves minutely crenulated.

Length  $9\frac{1}{2}$  mm., height 9, diameter  $6\frac{2}{3}$ .

*Habitat.*—Port Jackson, New South Wales, in 6 to 15 fathoms.

This species is larger than *Lucina parvula*, Gould, also found at this locality, more finely radiately sculptured, and has the inner edge of the valves more delicately notched.

*Lucina (Loripes?) gordonii*, n. sp. (Pl. XIII. figs. 12–12a).

Testa parva, modice convexa, rotundata, æquilateralis, alba, lineis incrementi tenuibus elevatus striisque radiantibus obsoletis sculpta: margo dorsi anticus leviter obliquus, parum excavatus, posticus rectiusculus, horizontalis. Latus anticum regulariter arcuatum, posticum obtusius. Umbones parvi, acuti, paulo prominentes. Dentes cardinis in valva sinistra duo divergentes inæquales, antico majori; margo posticus dente laterali parvo instructus. Ligamentum internum angustum, in sulco profundo obliquo situm. Pagina interna haud nitida, plus minusve radiatim substriata, margine minute crenulato circumdata.