

brevissimus, infra umbones leviter concave obliquus, posticus elongatus, primo rectiusculus, fere horizontalis. Umbones parvi, acuti, antrorsum inclinantes, antemediani, circiter in $\frac{1}{3}$ longitudinis collocati. Valva sinistra dente unico erecto lamelliformi utrinque munita, dextra marginibus dorsalibus lamelliformibus subdentata. Ligamentum internum infra umbones situm.

A single specimen is all that is at present known of this species. It is very small, moderately convex, ovate, rather narrower in front than behind, very inequilateral, thin, white, glossy, and sculptured with excessively fine lines of growth. The front dorsal margin is short, a little oblique, just a trifle excavated before the umbones, then somewhat arcuate and gradually rounding into the sharply curved extremity. The posterior margin is much longer, at first almost horizontal and straight, afterwards becoming a little arcuate and oblique. The ventral outline is widely curved and equally ascending at both ends. The beaks are small, curved over towards the front, very slightly produced, and situated in advance of the middle, at about one-third of the total length from the anterior end. The left valve has two erect lamellar very divergent teeth, of which the posterior is rather more strongly developed. They are separated by a broad triangular space, and stand out free from the outer margin. The right valve has no distinct teeth, but has the dorsal margin on each side elevated into thin prominences, which when the valves are closed fit into the grooves between the teeth and dorsal margins of the other valves. The ligament is internal, and situated beneath the umbones. All the muscular impressions on the inner glossy surface are indistinct.

Length $2\frac{1}{2}$ mm., height $1\frac{2}{3}$, diameter $1\frac{1}{4}$.

Habitat.—Station 24, off Culebra Island, West Indies, in 390 fathoms; Pteropod ooze.

It is impossible to say whether the above figures represent the full size attained by this species, but probably they do not.

Montacuta pura, n. sp. (Pl. XII. figs. 6–6b).

Testa elongata, valde inæquilateralis, tenuissima, alba, incrementi lineis tenuibus striata, utrinque rotundata, postice paulo angustata. Margo dorsi anticus elongatus, levissime arcuatus, fere horizontalis, posticus brevior, oblique curvatus. Margo inferior latissime curvatus. Umbones parvi, paulo supra marginem producti, ad apicem obtusi, longe pone medium collocati. Dens cardinalis unicus in valva dextra infra apicem situs, in sinistra nullus.

This little species is remarkably oblong, very fragile, white, very inequilateral, obtusely rounded at the anterior end, and a little narrower at the opposite extremity. It is smooth, glossy, rather convex, and sculptured only by the very fine concentric lines