

This species has very much the form of *Nucula dilatata*, Philippi, a Sicilian Tertiary fossil, but appears to be more solid, more strongly striated, and has a well-marked dorsal area, and the posterior dilated side is not so perpendicularly truncate.

Leda inaudax, n. sp. (Pl. XIX. figs. 4-4a).

Testa minuta, convexa, solida, triangulariter ovata, antice rodundata, postice cuneata, alba, concentrice tenuiter et regulariter lirata. Margo dorsi utrinque æqualiter valde declivis, antice vix excurvatus, postice in medio leviter concavus. Margo inferior late arcuatus, postice haud sinuatus. Umbones rotundati, paulo antemediani, incurvati, postice inclinati. Linea cardinis fortis, dentibus circiter octo utrinque instructa.

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

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

Although narrowed behind, this little shell has not a rostrate aspect, there being no incurvation of the ventral outline near the posterior extremity which is roundly pointed. Neither is there any radiating depression as in some allied forms, and the concentric liræ are fine and regular.

Leda confinis, n. sp. (Pl. XIX. figs. 5-5a).

Testa parva, solida, convexa, ovata, postice acuminata, breviter rostrata, impressionem radiantem latam exhibens. Valvæ nitidæ, flavescentes, incrementi lineis tenuissimis striatæ. Margo dorsi anticus declivis, arcuatus, posticus primo rectiusculus, obliquus, dein magis descendens. Margo inferior late curvatus, prope extremitatem posticam haud profunde sinuatus. Umbones subpellucidi, postice inclinati. Dentes fortes circiter 18-20 linea cardinali forti dispositi.

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

Habitat.—Station 78, off the Azores, in 1000 fathoms; volcanic mud.

This species bears considerable resemblance to *Leda messanensis*, but does not attain so large a size. It is proportionally thicker, more convex, more inequilateral, the posterior end being considerably smaller than the anterior, which is rather less acutely rounded.

Leda solidula, n. sp. (Pl. XIX. figs. 6-6a).

Testa subtriangulariter ovata, postice acute sed breviter rostrata, solida, convexiuscula, æquilateralis, nitida, albida, concentrice subfortiter lirata, liris utrinque attenuatis