

The interior is white and not glossy, but this may not always be the case in specimens found living, the only shells under examination having been dredged without the animals.

Length 43 mm., height 22, diameter $13\frac{1}{2}$.

Habitat.—Station 207, west of the Island of Luzon, Philippines, at a depth of 700 fathoms; also Station 191, near the Arrou Islands, in 800 fathoms.

The specimens from the latter locality have not attained so large a size as the single example from off the Philippines, the dimensions of which are given above. They are not quite so gently arcuate at the posterior end, have the ventral outline slightly convex, and exhibit a few distinct scratch-like striæ across the anterior lower portion of the valves at right angles to the lines of increment. In the type I also find a few traces of similar striæ.

This species belongs to that section of the genus which includes *Modiola arborescens*, Chemnitz, *Modiola glaberrima*, Dunker, *Modiola elegans*, Gray, *Modiola perfragilis*, Dunker, and a few others, characterised by light fragile shells with a highly glossy surface. The last of the above-mentioned forms most resembles that now described. It is, however, much narrower, has no dorsal plications or wrinkles, and is not quite so fragile and iridescent within.

Both the large and small specimens of *Modiola watsoni*, so named in honour of my friend the Rev. R. Boog Watson, have more or less of a rust-like incrustation adhering to the anterior or umbonal region, which in the former has stained the surface yellowish-brown.

Lithodomus, Cuvier.

Lithodomus antillarum (Philippi).

Modiola (Lithophagus) antillarum, Philippi, Zeitschr. Malakozool, 1847, p. 116.

Modiola antillarum, Philippi, Abbild., vol. iii. p. 20, pl. ii. fig. 4.

Lithodomus antillarum, Reeve, Conch. Icon., vol. x. pl. ii. fig. 7.

Lithodomus niger, d'Orbigny, in Sagra's Hist. Cuba, Mollusques, vol. ii. p. 331, pl. xxviii. figs. 10, 11.

Lithophaga nigra, Dunker, Conch.-Cab., ed. 2, p. 12.

Habitat.—Bermuda, boring in coral.

The *Lithodomus antillarum* described by d'Orbigny in the above work (p. 332) appears to be identical with *Lithodomus corrugatus* of Philippi.

Lithodomus appendiculatus (Philippi).

Modiola appendiculata, Philippi, Abbild., vol. ii. p. 150, pl. i. fig. 4.

Lithodomus appendiculatus, Reeve, Conch. Icon., vol. x. pl. iv. fig. 21.

Lithophaga appendiculata, Dunker, Conch.-Cab., ed. 2, p. 15, pl. v. fig. 14.

Lithodomus bisulcatus, d'Orbigny, in Sagra's Hist. Cuba, Mollusques, vol. ii. p. 333, pl. xxviii. figs. 14–16.

Habitat.—Bermuda, boring in coral (*Oculina bermudiana*).