left is somewhat broader than the right. The mantle-margin extends far over the head dorsally and is not emarginate, but slightly undulating ventrally. The siphon is short, terminating far short of the depression between the ventral arms.

The Head is broad, and the eyes very prominent.

The Arms are subequal, the order of length being 4, 1, 2, 3; they are one-fourth the length of the body, all are flattened and taper evenly to fine points. The suckers are in four series (fig. 4), except in the right dorsal arm, where they appear to be in two, probably owing to its state of extreme compression; they are of medium size, many are deeply notched proximally and distally, and provided with fine meridional grooves on the margin (fig. 6); the horny ring is smooth and surrounded by a papillary area. The hectocotylus was not seen, the only specimen being a female. The umbrella is small, widest between the lateral arms, where it reaches up to the sixth or seventh row of suckers. The buccal membrane has five distinct points, the ventral edge being thickened and forming a large folded spermatic pad (fig. 3); it bears no suckers. The outer lip is thick, and marked with fine longitudinal grooves; the inner is papillate.

The Tentucles are as long as the mantle, with a three-sided flattened stem, much broader proximally than distally. The club is slightly expanded, with a narrow protective membrane below, a broad one above, and a distinct web outwardly (fig. 5). There are five or six series of suckers, slightly larger in the middle than at the margins, on very long slender peduncles; the horny ring is smooth.

The Surface bears a number of small irregularly scattered papillæ, and four or five elongated warts on the dorsum near the origin of the fins, and some folds in the skin on the ventral surface; probably these are due to contraction.

The Colour is a dull grey with a bluish shade above inclining to yellow below.

The Jaws are shown in figs. 7, 8.

The Shell (figs. 9-11) has an elongate oval outline, broadest one-third of the way back and rounded off at both ends. The free chitinous margin is narrow anteriorly, then broader, evanescent posteriorly, a deep calcareous outer cone forming the posterior extremity of the shell; it is but slightly exposed on the dorsal surface, which bears only faint indications of a median ridge, and is beset with fine granules disposed in rows parallel to the anterior margin. The ventral surface is elevated so as to give the shell a more than average thickness; the last loculus has an index of 33, and is bounded by a tranverse hemielliptical curve; the striated area is excavated, but slightly convex in the middle line. The inner cone consists only of the slightly elevated limbs, which run along three-quarters of the striated area and unite with each other as a flattened fillet posteriorly. The spine has lost its extreme point, but it is strong, and has a raised knife-like ridge developed upon its ventral aspect (fig. 11).