

the eighth row of suckers the two ventral series are continued of the normal size, but the two dorsal are each represented by five minute suckers, gradually diminishing to the middle one and then increasing again; beyond this the arm exhibits no peculiarities. The *umbrella* is widest between the two lateral arms, where it extends as far as the sixth row of suckers. The *buccal membrane* bears the usual seven distinct points in the male, whilst in the female the ventral pair are lost in the thick swollen *spermatic pad* (fig. 15), which is subdivided by four or five deep grooves into as many transverse ridges. The *outer lip* is thin; the *inner* bears about half a dozen rows of distinct hemispheroidal papillæ.

The *Tentacles* are about as long as the mantle; the *stem* is indistinctly three-sided; the *club* is long and wide, and bears eight series of minute equal suckers; there is a *protective membrane* on either side and a broad *fin* on the dorso-internal aspect. The *horny ring* is small and has a smooth margin.

The *Surface* is smooth.

The *Colour* is a dull grey dorsally, pale yellowish below.

The *Jaws* are shown in figs. 20, 21.

The *Shell* (figs. 22–24) is broad, subelliptical in *outline*, the anterior extremity bounded by two straight lines, which form obtuse rounded-off angles with each other and the sides of the shell; the posterior is rounded gradually off. The *dorsal surface* has a faint ridge passing to each of the three angles just mentioned, and is covered with curved rows of tubercles parallel to the anterior margin. The *ventral surface* is but little elevated; the *last loculus* has an index of 34, and is bounded behind by a broadly open curve with three or four irregular sinuations in it. The *striated area* is hollowed posteriorly and is marked by grooves corresponding to the sinuations just mentioned. The *inner cone* arises about halfway along the striated area, curves evenly outwards, and then rises into a distinct ridge, forming a wall separate from the margin of the shell; its ventral surface is marked by a number of striæ pointing in the direction of the *spine*, which is of medium length and strength, and curved gently upwards.

*Dimensions.*¹

Length, total,	102 mm.
End of body to mantle-margin,	72 "
End of body to eye,	66 "
Breadth of body,	40 "
Breadth of head,	33 "
Eye to edge of umbrella,	15 "
Breadth of fin,	11 "
Diameter of largest sucker on sessile arm,	1 "
Length of shell,	72 "
Breadth of shell,	31 "

¹ Taken from one of the female specimens from Station 188.