

having been met with in the Mediterranean, at Madeira, and off the Norwegian and British coasts.

*Psammobia pulcherrima*, Deshayes.

*Psammobia pulcherrima*, Deshayes, Proc. Zool. Soc. Lond., 1854, p. 325.

*Psammobia pulcherrima*, Reeve, Conch. Icon., vol. x. fig. 46.

*Habitat*.—Station 172, off Nukalofa, Tongatabu, in 18 fathoms; coral mud.

The habitat of this species has hitherto been unknown. The type shell figured by Reeve is only half-grown, and on this account has been described as "thin." The single specimen obtained by the Challenger is probably adult, and at this age is rather a thick shell in comparison with many other species of this genus. It is 31 mm. long, 15 high, and  $8\frac{1}{2}$  in diameter.

It is of a yellowish tinge ornamented with several slightly arcuate sanguineous rays, and tinted at the hinder extremity with pale rose. The interior is painted somewhat like the outside, except that the rays are rather more purplish and clouded. The valves are very slightly inequilateral, the anterior side being the shorter, but not so disproportioned as represented by the figure in the Conchologia Iconica. They are transversely elongate, only half as high as long, moderately convex, having the anterior two-thirds of their surface coarsely obliquely sulcate and ridged, the ridges being broader and the intervening grooves narrower than posteriorly, where they terminate abruptly at the first of the oblique radiating costæ which adorn the hinder portion of the surface. These are ten in number, gradually thicken as the shell enlarges, are separated by deep furrows, and in the early stages of growth or towards the umbones are more or less nodulose. The single tooth of the left valve and the posterior in the right are somewhat cleft at the tip, the front one in the latter valve being broad and oblique. The pallial sinus is large, deep, rounded at the end, and extends beyond the centre.

*Psammobia castrensis* (Spengler).

*Solen castrensis*, Spengler, Chemnitz, Conch. Cab., vol. xi. p. 201, pl. cxcviii. figs. 1935, 1936.

*Solen castrensis*, Wood, Index Test, pl. iii. fig. 25.

*Psammobia castrensis*, Hanley, Cat. Biv. Shells, p. 59.

*Psammobia castrensis*, Reeve, Conch. Icon., vol. x. fig. 32.

*Psammobia oriens*, Deshayes, Proc. Zool. Soc. Lond., 1854, p. 318.

*Psammobia oriens*, Reeve, Conch. Icon., vol. x. fig. 1.

*Psammobia oriens*, Dunker, Index Moll. Mar. Japon., p. 186.

*Habitat*.—Station 172, off Nukalofa, Tongatabu, in 18 fathoms; coral mud.

A single specimen from this locality, dredged in a dead condition, differs from the typical form in having the posterior end of the shell more strongly sculptured than usual.