

The identification of this species either from the description given by Lamarck or that in Reeve's work would be quite impossible; but, having the specimen delineated in the *Conchologia Iconica* for comparison, I am able to state that the few valves from the above localities probably belong to it. They are, however, paler in colour, lack the brown stain on the anterior side within the valves, and the denticles within the outer margin are rather more grooved. Reeve's shell is said to have come from the west coast at Swan River.

*Pectunculus beddomei*, n. sp. (Pl. XVIII. figs. 1-1*b*).

Testa subcompressa, rotundata, crassa, antice peculiariter radiatim constricta, alba vel dilute fuscescens, hic illic fusco maculata, radiatim costata, costis circa 24 parum elevatis, rotundatis, quam sulcis intermedianis valde latioribus, incrementi lineis confertissimis elevatis, undulatis insculpta. Pagina interna alba, utrinque supra cicatrices fusco radiata, sæpe marginem versus fusco tineta. Margo internus plerumque alba, dentibus circiter 17 latis concavis munitus.

This species is about as long as high, rather flat, roundish, and solid. It is of a white or light brown colour, spotted and stained with dark rich brown upon the radiating ribs. These are very broad, flattened, rounded at the top, and much wider than the grooves separating them, indeed, they almost join one another at their bases. They are about twenty-four in number, those on each side being considerably more slender than those down the middle. The remaining sculpture consists of closely packed wavy conspicuous sublamellated lines of growth which pass over and between the costæ. At the anterior end there is a faint depression which radiates down the valves, marking off, as it were, a large prominent lunule. The ligamental area is deep and narrow, slightly separating the acute beaks. The hinge-plate is moderately broad, white, and furnished with seven to ten oblique denticles, forming a slightly curved series on each side. The interior is white at the middle and towards the umbones, but generally more or less stained with brown, nearer but not upon the margin. The muscular scars always have a broad dark brown ray upon them, and are bordered within by a raised edge. The margin of the valves is white, shallowly scalloped at the edge, and armed within with about seventeen broad flattened concave denticles.

Length 42 mm., height 44, diameter 22.

Length 42 mm., height 41, diameter 21.

*Habitat.*—Station 162, off East Monceur Island, Bass Strait, in 38 fathoms; sand and shells.

This species is remarkable on account of its broad and not much raised ribs, and the dark brown rays on the muscular impressions. The depression down the anterior side is not very conspicuous, but apparently present in all specimens.