

tubercular tooth in each valve, and I have never met with any specimen having double this number as is stated to be the case by Messrs. Adams and Chenu. Sometimes these tubercles may be wanting in one or even in both valves, the latter being apparently a rare occurrence.

Modiolarca kerguelensis, n. sp. (Pl. XVI. figs. 8-8a).

Testa fragilis, alba, aliquanto iridescens, incrementi lineis striata, elongata antice angustata, postice altior, curvatim oblique truncata, mediocriter convexa. Margo dorsi posticus perelongatus, fere rectilinearis, rotundo-angulatum cum latere postico junctus. Margo ventris antice indistincte subsinuatus, post medium late curvatus leviterque adscendens, acute rotundatim in lateralem ambiens. Latus anticum brevissimum, subacutum, posticum longissimum, latum. Umbones mediocriter prominentes, ad apicem obtusi, circiter in $\frac{1}{6}$ longitudinis positi. Pagina interna paulo nitida. Cicatrix antica præcipua, subprofunda, elongata, postica indistincta. Dentes duo cardinales in utraque valva, anterioribus majoribus. Ligamentum internum elongatum, angustum, ligamento externo perelongato, marginali.

This species is oblong, trapezoidal, broader behind than in front, very thin, white, a little glossy and iridescent, and sculptured with very fine concentric lines of growth. The valves are moderately convex, very inequilateral, the umbones, which are small, only a little prominent, and terminate in an obtuse smooth glossy boss, being situated far in front, at about one-sixth of the whole length from the anterior extremity. The anterior dorsal margin is short, nearly straight, and very oblique, forming, with the up-curving lower margin, a sharply rounded (almost beaked) end. The hinder margin is long, subrectilinear, and directed slightly upwards. The ventral outline is broadly arcuate, with a slight incurvation or sinus, a trifle in front of the centre. The posterior end is faintly arcuate, oblique, and joins the upper and lower margins with rounded angles. The hinge-plate is very slender, and furnished with two unequal teeth in each valve, of which the anterior ones are larger than the posterior, that in the left valve being shaped like an inverted letter V, thus Λ . Behind the teeth there is a distinct elongate groove for the reception of the internal ligament. The external ligament is very long, extending from a front of the umbones nearly the whole length of the dorsal margin, to which it is attached. The interior of the valves is white and a little glossy. The anterior muscular impression is rather deep, and defined on the posterior side by a straightish thickened edge, and above this there are indications of a second smaller scar. The posterior cicatrix and the pallial line are very indistinct.

Length 13 mm., height 8, diameter $5\frac{1}{2}$.

Habitat.—Off Royal Sound, Kerguelen Island, in 25 fathoms.