

Pecten clathratus, Martens (Pl. XXII. figs. 4-4a).

Pecten clathratus, Martens, Sitzungsab. d. Gesellsch. naturf. Freunde, Berlin, 1881, p. 79.

Testa tenuis, subpellucida, inæquivalvis; valva dextra planiuscula, parum nitida, incrementi lineis striata, striisque microscopicis radiantibus, undique subcancellata; valva sinistra profundior, lamellis concentricis, tenuibus, lirisque numerosis radiantibus filiformibus cancellata. Auriculæ fere æquales, antica valvæ dextræ lamellis incrementi sculpta, ad extremitatem rotundata, inferne profunde sinuata.

This species is considerably inequivalve, thin, rather pellucid and compressed. The right valve is only a little convex, and, as it were, fits within the other valve, although in reality its outer margin, which is upturned, does extend to the edge of the left valve. It is a little glossy, sculptured with very fine lines of growth, and has a microscopic, subgranular, radiating structure. The left valve is much deeper and ornamented with stronger sculpture, consisting of very fine concentric lamellæ and still finer and more numerous radiating ones, together producing a pretty cancellated appearance. The ears are not very unequal, the anterior being only a little larger than the posterior. The front one in the right valve is broadly curved at the end, rather deeply cut in underneath, and sculptured with strongish lines of growth. The umbones are acute, the sides forming an apical angle of about 100 degrees.

Length $3\frac{1}{2}$ mm., height $3\frac{1}{3}$, diameter 1.

Habitat.—Off Christmas Harbour, Kerguelen Island, in 120 fathoms.

The shells obtained at this locality apparently belong to the *Pecten clathratus* of von Martens, but as I am not absolutely certain I have deemed it advisable to give the above description.

Pecten aviculoides, n. sp. (Pl. XXII. figs. 5-5a).

Testa parva, valde inæquivalvis, paulo obliqua, tenuis, sordide albida. Valva dextra planiuscula, nitida, striis incrementi tenuissimis sculpta, sculptura microscopica subreticulata ornata. Valva sinistra profunda, lamellis concentricis, validis, costisque ad octo radiantibus fortiter cancellata. Auriculæ subæquales, auricula valvæ dextræ antica lamellis incrementi lirisque paucis radiantibus instructa, inferne subprofunde sinuata. Linea cardinis longa, longitudinem totam testæ æquans. Umbones centrales, ille valvæ sinistræ paulo supra marginem productus.

This species is remarkable for the great difference in the sculpture of the valves. It is rather like a minute *Avicula* in form, slightly oblique in growth, very inequivalve, thin, and of a dirty white colour. The right valve is very slightly convex at the centre,