

and fits, as it were, within the other valve, its very thin margin being upcurved and appressed to the outer edge of the other valve. It is sculptured with a few lines of growth, and has under the microscope a minutely shagreened appearance. The left valve is much deeper, and ornamented with coarse concentric lamellæ, which, crossing about seven or eight strongish radiating liræ, produce a coarsely cancellated surface. The ears in this valve have only the concentric lamellæ and are about equal in size, the posterior being sinuated at the side. The anterior auricle in the right valve is ornamented with concentric lamellæ of growth which cross a few radiating ridges, and it is rather deeply cut in beneath. The hinge-line occupies the whole length of the shell, and above the centre the umbo of the left valve is slightly prominent.

Length 2 mm., height $1\frac{3}{4}$, diameter $\frac{1}{2}$.

Habitat.—Prince Edward Island, in 100 to 150 fathoms.

The shell here described is probably not adult; but as the sculpture of the valves is so markedly different and not like that of any other species with which I could compare it, I do not think it hazardous to name it.

Pecten culebrensis, n. sp. (Pl. XXII. figs. 6-6a).

Testa compressa, paulo inæquivalvis, tenuissima, semipellucida, altior quam longa. Valva dextra parum convexa, lamellis numerosis concentricis, plus minusve radiatim squamulatis, ornata. Valva sinistra leviter convexior, liris tenuibus radiantibus et concentricis confertim cancellata, et nodulosa. Auriculæ inæquales; antica valvæ dextræ superne cristata, radiatim lirata, inferne mediocriter profunde sinuata.

This is a very compressed species, very thin, semitransparent, slightly inequivalve, and higher than long. The right valve is a little flatter than the left, and sculptured with numerous fine concentric lamellæ which are more or less ornamented with small scale-like projections disposed in radiating series. When these are broken off the lamellæ have a frilled appearance. The left valve has a somewhat coarser sculpture, which consists of slightly stronger concentric liræ and numerous radiating ones, some of which, at irregular intervals, are thicker than the rest, the points of intersection of all, but especially the stronger ones, with the concentric liræ being prettily nodulose. The ears are rather unequal, the anterior as usual being the larger. That of the right valve is rather strongly sculptured with lamellæ of growth (produced above into a crest along the hinge-line) and a few somewhat feeble radiating ridges. The umbones are rather acute, having the sides, of which the anterior is rather straighter than the posterior, converging to an apical angle of about 95 degrees.

Length $8\frac{1}{2}$ mm., height $9\frac{1}{2}$, diameter $2\frac{2}{3}$.

Habitat.—Station 24, off Culebra Island, West Indies, in 390 fathoms; Pteropod ooze.