

Idmonea Atlantica, Gaspé.

Cellularia neritina, Miss Carey's collection.

Cellularia, another species, Gaspé.

Through the kindness of Andrew Dickson, Esq., I was lately favored with the inspection of a flat stone taken up by the hook of a fisherman on the Banks of Newfoundland, which wonderfully resembles, in its assemblage of species, the stones in the drift at Beauport. It has at one end a group of *Balanus crenatus* of the precise variety so common in the drift; and over various parts of the surface are abundant shells of *Spirorbis sinistrorsa*, with at few of another species not as yet found in the drift. Large portions of the surface are covered with *Lepralia pertusa hyalina*, &c.; and there is also a *Tubulipora* closely resembling that found at Beauport. The shell of a dead *Balanus* contained a little fine sand, among which were small and much rubbed specimens of a *Polystomella* or *Nonionina*, and fragments of spines of *Echini*. This stone is indeed almost a precise modern counterpart of those buried in the drift at Beauport; and they, like it, probably lay in the bottom of a sea loaded in spring with boulder-bearing ice.

I had almost omitted to mention that some of the stones from Beauport, with *Balanus*, *Bryozoa*, &c., bear on their surfaces distinct marks of glacial action, in their polish and striation; and that just as in exposed situations in modern seas, their animal tenants have evidently selected the re-entering angles, and least exposed surfaces for their habitations.

II. FRESH-WATER SHELLS IN THE POST-PLIOCENE DEPOSITS.

I have on several occasions found specimens of *Limnea* in the Post-pliocene clays, but always suspected some accidental intermixture. I have been favoured in the past summer, by Andrew Dickson, Esq., with specimens of land and fresh-water shells from the bank of a brook emptying into the Mississippi, a tributary of the Ottawa, two miles below Pakenham Mills, and at an elevation of about 266 feet above Lake St. Peter. They were found in sand and gravel containing *Tellina Groenlandica*, and which Mr. Dickson thinks is an undisturbed tertiary deposit. The specimens furnished to me afford many internal evidences which would lead me to the same conclusion. The species present are:—