

includes numerous specimens of *Buccinum undatum*, but none of them present the peculiarities of the fossil variety. *Fusus tornatus* is represented by a single specimen, quite similar to the fossil individuals. *Natica heros* is abundant, as are *Mytilus edulis*, *Mya arenaria*, *Tellina groenlandica*, *Littorina palliata*, and *Pecten Islandicus*. There is a single specimen of *Tellina calcarea*, said to have been found in brackish water at Bay St. Paul. *Scalaria groenlandica*, *Mya truncata*, *Astarte sulcata*, and *Cardium Islandicum* are represented by single specimens. *Balanus crenatus* and a *Spirorbis*, apparently nautiloides, are attached to mussels and to *Pecten Islandicus*. *Saxicava rugosa* does not appear in the collection. *Purpura lapillus*, *Mactra ovalis*, *Littorina tenebrosa*, *Solen ensis* and *Mesodesma areolata*, are numerous, though they have not yet been found in the tertiary clays.

The specimens of *Mya arenaria* are large and coarse in comparison with those found at Montreal. The mussels have not the antique form. *Tellina groenlandica* has precisely the character of the fossils; and the more common variety, (*Sanguinolaria fusca*) is also represented by specimens said to have been found in brackish water.

The collection may be regarded as showing the prevalent shells, in that part of the gulf of St. Lawrence nearest to those ancient extensions of the same gulf described in this paper.

Other materials have been accumulating since the above paper was written; and I hope in some future number of the *Naturalist* to follow up the subject.

REFERENCE TO FIGURES.

- Fig. 3. *Bulla oryza*, Montreal.
 4. *Bulla debilis*, Do.
 5. *Buccinum ciliatum*, Do.
 6. *Admete viridula*, Do.
 7. *Menestho albula*, Do.
 8. *Turritella erosa* (fragment), Do.
 9. *Acmæa cacca*, Do.
 10. *Velutina Zonata*, Do.
 11. *Leda pygmaea*? nat. size and magnified, . . . Green's Creek.
 12. *Leda minuta*, Montreal.
 13. *Mytilus edulis* (var. *Laurentiana*), Do.
 14. *Cytheridea* (nat. size and magnified), Do.
 15. *Spirorbis sinistrorsa* (nat. size and magnified), Do.
 16. *Sponge* (*Tethea Logani*), (a) nat. size in situ, (b) spicules, (cd) large spicules magnified.