

More recently the extensive collections of the Canada Geological Survey have furnished some beautiful examples, showing in a most perfect manner the structure of the hinge, and the muscular impressions of several species of this genus.

In the meantime, a specimen taken to London by Sir William E. Logan has been noticed as a new genus by Mr. Salter, under the name of *Ctenodonta*.

The shell upon which Mr. Salter founded this genus is a species of *Tellinomya*, closely allied to the *T. nasuta* of the Trenton limestone. Mr. Woodward, in his "Treatise," places the genus *Ctenodonta* as synonymous with *Isoarca* of Munster; while, according to Pictet, it would be placed under the genus *Nucula*.

The character of the hinge of *Tellinomya nasuta*, and of *T. dubia*, represented in the accompanying figures, show that it bears a close relation to *nucula*, and that it is identical with *Ctenodonta*.

The shells referable to this type have not the ventricose character, large and often sub-spiral beaks, of *Isoarca*; nor is the beak uniformly anterior, as in that genus. The species of *Tellinomya*, so far as known, are never cancellated, or otherwise ornamented, beyond the ordinary concentric lines of growth.

Having had an opportunity of examining the hinge, and the internal characters of at least six species, the following characters are deduced therefrom :

#### TELLINOMYA.

GENERIC CHARACTERS.—Shell, equivalve, equilateral or sub-equilateral, closed, smooth or marked by lines of growth; ligament, external; hinge line, curved, sometimes sub-angular, with a continuous series of small curved transverse teeth, which diminish from the extremities to the beak, beneath which they are much smaller; muscular impressions, double, two anterior and two posterior, one large and strongly impressed, the other smaller, lying above and

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to the confusion, the same author has placed the species of *Modiolopsis* also under the genus *Lyonsia*. In this reference he has been followed by one American author.

I may mention here that the collections of the Canada Survey furnish some beautiful exhibitions of the hinge of *Modiolopsis*, which I hope to have the privilege of illustrating at no distant period.

M. d'Orbigny places *Nucula levata* under the genus *Leda*, while he leaves the *N. donaciformis* under *Nucula*. Both these shells belong to the genus *Tellinomya*.