

family Mytilidae or mussels, the second as allied to Anodous in the family of the Unionidae or freshwater mussels, as they are sometimes called.

Mr. Wheelton Hind gives the characters of the genera in full. For these characters reference may be made to his paper¹; but for the benefit of collectors, the following summary of the more important external points may be inserted here.

Genus, *NAIADITES*, Dawson.

(*Anthracoptera*, Salter.)

Shell Modiola-like, somewhat triangular in form, broad and rounded behind, somewhat pointed in front, beak at anterior extremity, almost terminal, and extending obliquely backward in a more or less pronounced ridge, hinge-line straight, sometimes showing delicate internal striæ, teeth rudimentary; epidermis somewhat wrinkled, surface with concentric lamellæ and lines of growth. A few specimens showing the interior indicate that the hinge-plate was finely striated, and that there was a trifid anterior muscular scar and a larger single posterior one.

1. *Naiadites carbonarius*, Dawson.



Figures 1 to 3.—*Naiadites carbonarius*, Middle Coal-formation, S. Joggins. 1 and 2.—Original figures from imperfect specimens, 3.—More perfect specimen, enlarged x 2.

¹ Journal of Geological Society, May, 1893.