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IMPRESSIONS AND FOOTPRINTS OF AQUATIC  
ANIMALS AND IMITATIVE MARKINGS, ON  
CARBONIFEROUS ROCKS.\*

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The footprints and other markings of aquatic invertebrate animals and of fishes are necessarily for the most part, less distinctive and important than those of land animals, both because less characteristic in themselves, and because reproduced under similar forms in very different geological periods. The former peculiarity has caused them to be neglected as of little importance, or to be confounded with impressions of plants. With reference to the latter, I have myself shown that the impressions made by the modern King-crab faithfully represent the *Protichnites*, *Climactichnites*, and *Rusichnites* of the Primordial and Silurian, and similar comparisons have been made by Salter, Jones, Dana and others, between the tracks of modern Crustaceans and worms and some of those in the oldest rocks.

1. *Protichnites*, Owen.

The footprints from the Potsdam Sandstone in Canada, for which this name was proposed by Owen, and which were by him referred to Crustaceans probably resembling *Limulus*, were shown by me in 1862† to correspond precisely with those of

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\* From *Silliman's Journal*.

† *Canadian Naturalist*, vol. vii.