

Owen, and which were by him referred to crustaceans probably resembling *Limulus*, were shown by the writer,

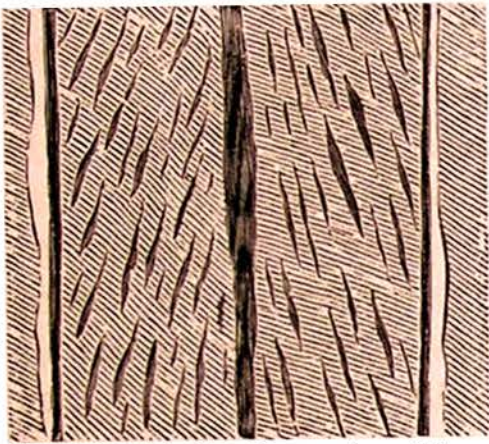


FIG. 5.—Trail of a modern king-crab, to illustrate imitations of plants sometimes named *Bilobites*.

in 1862,* to correspond precisely with those of the American *Limulus* (*Polyphemus Occidentalis*) (Fig. 5). I proved by experiment with the modern animal that the recurring series of groups of markings were produced by the toes of the large posterior thoracic feet, the irregular scratches seen in *Protichnites lineatus* by the ordi-

nary feet, and the central furrow by the tail. It was also shown that when the *Limulus* uses its swimming-feet it produces impressions of the character of those named



FIG. 6.—Trail of Carboniferous crustacean (*Rusichnites Acadicus*), Nova Scotia, to illustrate supposed Algae.

* "Canadian Naturalist," vol. vii.