

drawn away from these obscure and difficult portions of the region in question through the researches of Mr. T. C. Weston, F.G.S.A., of our Geological Survey. It was in 1877, that, for the first time, Mr. Weston discovered fossil remains in the strata of Quebec city, and amongst the specimens collected on that occasion there were noted the obscure remains of *Leptæna sericea*, Sowerby, and of a species of *Amplex*, closely related to *Amplex rostratus*, together with crinoidal fragments. These came from the limestone rocks of Mountain Hill.

The purpose of this paper is mainly to note the interesting discovery of fossils made this summer by Mr. Weston, in the rocks of Mountain Hill, of which Mr. Weston gives a description in the foregoing pages of the NATURALIST. There is added to the notes on the fossil remains collected this season, a few more on the small but likewise important collection made by Mr. Weston and Dr. Selwyn in 1892. The determinations are of course preliminary and dependent upon the mode of preservation, etc.

#### MOUNTAIN HILL FOSSILS.

Inasmuch as the collections of 1892 and 1894 were both made by Mr. Weston—and at the very same locality, there is no practical reason for keeping them separate at this time, and for the sake of brevity they will all be grouped together under the heading of Mountain Hill fossils, Quebec City. The collections comprise in all about 125 specimens and embrace an assemblage of forms which are for the most part new to the massif of Quebec city, whilst not a few are probably new to Canada.

#### PRELIMINARY NOTES ON THE FOSSILS.

##### PROTOZOA.

1. *Vidulites favus*, Salter, var. A rather crushed and imperfectly preserved specimen of what appears to be a variety of Salter's species, *Vidulites favus*, a Rhizopod with marked affinities for such genera as *Pascolus*, Billings; *Sphærospongia*, Salter, and *Cyclorhinus*, Eichwald. The hexagonal character of the "plates," the presence of the 'central papilla' or styliform projection in the central portion of the plate are