

No. IV.

GEOLOGICAL ACCOUNT OF THE ARCTIC ARCHIPELAGO.

DRAWN UP PRINCIPALLY FROM THE SPECIMENS COLLECTED BY

CAPTAIN F. L. M'CLINTOCK, R. N.

From 1849 to 1859.

BY THE REV. SAMUEL HAUGHTON, F. R. S.,

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President of the Geological Society of Dublin.

THE map which accompanies this geological description is arranged from the specimens brought home by Captain F. L. M'Clintock, R. N., from the four Arctic Expeditions in which he served from 1848 to 1859. These specimens are all deposited in the Museum of the Royal Dublin Society, and form a more extensive and better collection of Arctic rocks and fossils than is to be found in any other museum in Europe.

It will be most convenient to describe the geology of the Arctic Islands by the formations which are to be found there, which are the following:—

1. The Granitic and Granitoid Rocks.
2. The Upper Silurian Rocks.
3. The Carboniferous Rocks.
4. The Lias Rocks.
5. The Superficial deposits.

I shall describe these successive formations briefly, and add a few remarks of a theoretical character, to indicate the important inferences which may be drawn from the facts respecting them made known to us by M'Clintock's discoveries.

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