## ARCTIC GEOLOGY.

we landed Jameson's Bay, in remembrance of my friend CHAP. XIII. Professor Jameson."

The captain farther remarks, that the volcano on Esk Bay. Mount appears to have been in action in the spring of the following year; for, on the 29th of April 1818, Volcanie being off Jameson's Bay, he observed considerable jets phenomena. of smoke discharged at intervals from the adjoining land. It was projected with great velocity, and seemed to rise to twice the height of the land, or about 4000 feet. Captain Gilyott, a Greenland fisher, also remarked the same appearance, with this addition, that once he noticed a shining redness resembling the embers of an immense fire. This fact serves to account for some strange noises heard by the seven Dutch seamen who attempted to winter here in the year 1633-4. In the beginning of the night of the 8th of September, in particular, they "were frightened by a noise as if something had fallen very heavy on the ground: but saw nothing." This, instead of being the fall of an iceberg, as some have supposed, was probably a volcanic phenomenon.

3. Old Greenland.—This extensive land, which, ac-Old Greencording to some, is a continuation of the continent of land. America, while others view it as a group of islands, extends from latitude 59° 14' to 76° 36'. The few details regarding its geology we owe to Giesecke, who spent many years on the west coast,—to Scoresby, who explored the eastern side,—and to Captain Ross, who at a later period sailed to the top of Baffin's Bay.

East Coast of Greenland.—This iron-bound shore is East coast. barren, rugged, and mountainous; and even in the warmer seasons of the year but few animals or vegetables assist in varying the monotonous and dreary scene. The average elevation of the coast is about 3000 feet. Several mountains measured by Scoresby were found to be at least 4000; and the Werner Mountains in Davy Sound were estimated, by the distance at which they were seen and their height above the ordinary mountains, to be not less than 6000. In the interesting

489