

north-east of Niagara, the variation in 1832 was more than  $2^{\circ}$  easterly.

The shore of Lake Huron at Nottawasaga Bay, forty miles north-west of Toronto, is again the line of no variation.

Thus a magnetic meridian lies between Fort Erie and Nottawassaga.

A magnetic observatory is established by the Board of Ordnance at Toronto, near the University, and placed in charge of two young officers of artillery, which says a good deal for the scientific acquirements of that corps. I shall perhaps hereafter advert to this subject more at large, as the volcanic rocks have much to do with the needle in Canada West.

END OF VOL. I.