

PREFACE.

This manual has been drawn up for the use of the Cadets of the Royal Military College of Canada. The first five chapters on Practical Astronomy embrace that portion of the subject with which all Land Surveyors in this country ought to be familiar. The remaining chapters, together with the part of the work which treats of Geodesy, touch on the more important parts of the additional course, as regards those subjects, laid down by Government for candidates for the degree of Dominion Topographical Surveyor. It has become absolutely necessary to draw up some compilation of this kind because, while many of the Cadets are anxious to qualify themselves as far as possible in the above-mentioned course, the number of different books they would have had to refer to in order to obtain the requisite knowledge would have entailed on them a heavy expense. In order to make the work as cheap as possible the number of diagrams has been cut down to a minimum, it being intended to supply the place of expensive plates of instruments *et cetera* by lecture illustrations. The author has also made the higher portion of the Astronomical course