

PREFACE.

I have been induced to prepare the following Tables, from the conviction, that a want is felt by the parties now engaged upon the construction of the Grand Trunk Railway, for a complete set of EARTHWORK TABLES, calculated for all the Bases and Slopes now used in the construction of the Road.

I have introduced two Series of Tables, the first Series consists of eight Tables, calculated by the Prismoidal Rule ; therefore, exhibiting the TRUE cubic quantities for all depths of cutting or heights of embankment from 0 up to 30 feet, and for a length of one hundred feet.

By means of this Series of Tables, the TRUE cubic quantities, either in cuttings or embankments, are found by *inspection only, and without any calculation whatever* ; thus reducing the great labor and the multiplicity of figures attending the calculation of the Earthwork—to almost nothing. This Series will be found to be very useful in