

## PREFACE.

THE AUTHOR, after many solicitations from engineers, has been persuaded to publish this book, giving to the public, now, the subject-matter taught by him for years to his pupils, of engineering, having for several years been teacher of engineers' calculations at St. John, N. B.

This work is intended for the use of engineers desirous of passing the Board of Steamboat Inspection to obtain certificates of competency, and is drawn up with a view to self-instruction. It contains the rules for working and answering the kind of questions usually presented to candidates, with drawings, diagrams and specimen examination papers; also much miscellaneous matter of interest to engineers, containing notes, extracts, questions, calculations and tables.

In any book on the steam engine, or pertaining thereto, there can be little originality, so many have written on the subject, and the Author is, of course, indebted to many sources for his information. Still, there are many rules, explanations, and other matter, regarding the examination for a Canadian certificate, that has never been published before, besides many of the Author's own rules, articles and methods.

For the benefit of those who desire to become more fully informed as to all that pertains to steam engineering, I have given a selected list of works useful for study.

St. John, 1st November, 1886.

D. McL. S.