

ECONOMY
IN
THE USE OF STEAM:

A STATEMENT OF THE PRINCIPLES ON WHICH A SAVING
OF STEAM CAN BEST BE EFFECTED.

BY

FRANK SALTER, B.Sc.,
LATE WHITWORTH SCHOLAR.



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PREFACE.



This little book deals with the *use* of steam as distinguished from its *production*. It is an attempt to state the principles laid down by theoretical writers, — Clausius, Rankine, and others, who are better known in the class-room than in the office, — in such a form as to be useful to practical Engineers; to test by these principles the modes of working which have been found most advantageous in practice; and to offer here and there some new suggestions. Mathematics have been dispensed with as far as possible; and where they could not be altogether avoided, a smaller type has been used in order that the reader who wishes to pass over the mathematical parts may do so conveniently. The principal conclusions have been printed in italics to attract the attention of any who have not time to read the whole. The earlier chapters refer especially to the *theory* of the working of steam, and the others to the application of the theory. The later chapters will therefore have the most interest for Engineers, but they will be more readily followed if the early ones are not entirely passed over.