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# **Aid Book to Engineering Enterprise**

**Matheson Ewing**

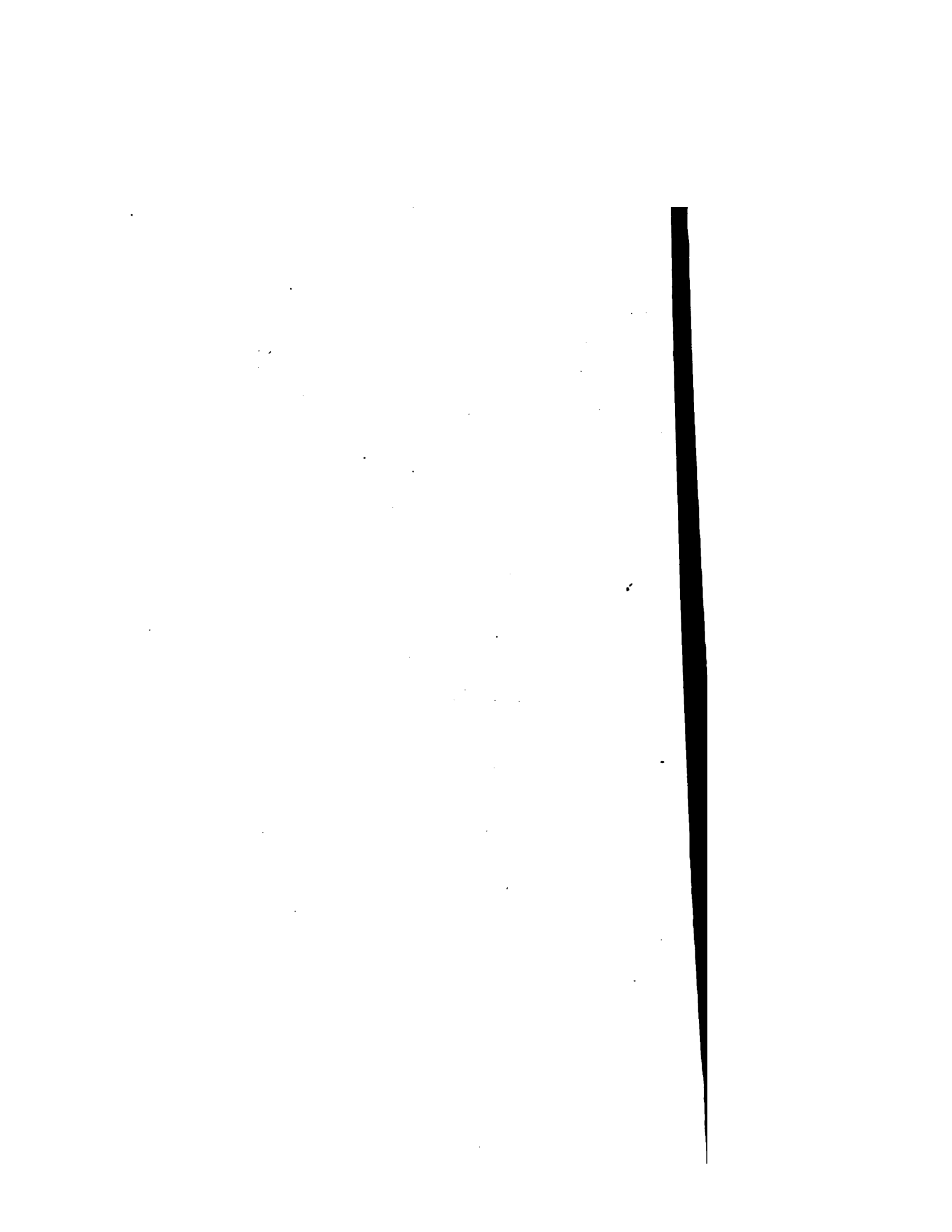
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**Title: Aid Book to Engineering Enterprise**

**Author: Matheson Ewing**

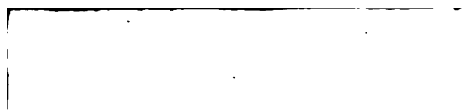
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AID BOOK  
TO  
ENGINEERING ENTERPRISE.







# AID BOOK

TO

ENGINEERING ENTERPRISE.

BY

EWING MATHESON,

M. INST. C.E.



THIRD EDITION, REVISED.

**London:**

E. & F. N. SPON, LTD., 125 STRAND.

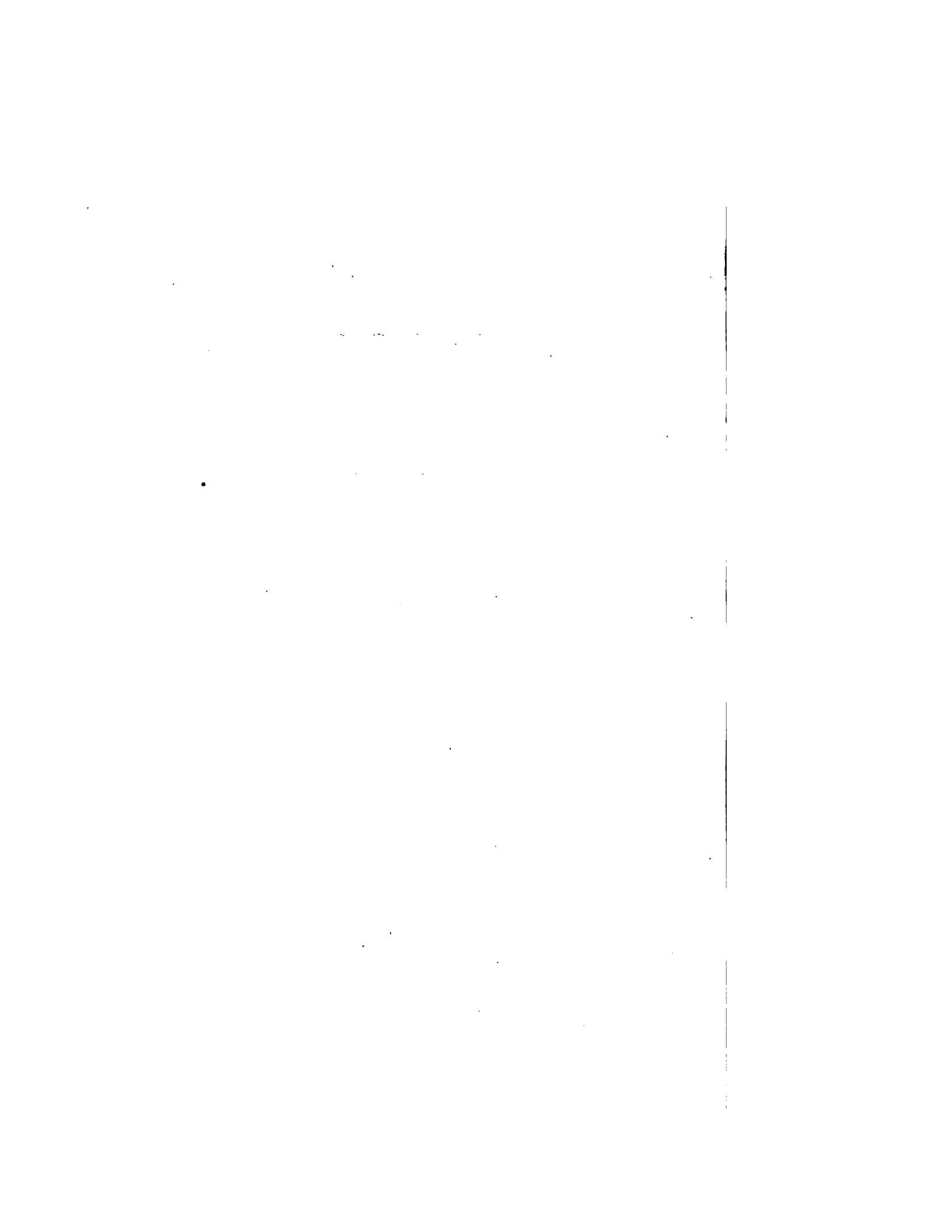
**New York:**

SPON & CHAMBERLAIN, 12 CORTLANDT STREET.

1898

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PREFACE  
TO  
THE THIRD EDITION.

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THE continual demand for this book induces the author to publish a new edition. Owing to the rapid advance of engineering science, which has made so many new methods and machines available, a thorough revision has been necessary, and some of the chapters have been almost entirely re-written.

The original purpose and plan of the book remain. In the First Part the author endeavours to classify and link together the technical and economic conditions which determine the success or failure of Public Works and Engineering ventures, and in doing this, he enumerates those preliminary particulars on which designs and estimates of cost can alone be framed. Considering how numerous are the branches of engineering science, and how great the variety of works arising out of them, it is obvious that in the compass of a single volume it would be impossible, even if the author presumed to attempt it, to deal exhaustively with them. But as an aid to those who may be interested in the projecting of engineering enterprises, an investigation of the preliminary

points above referred to may be possible and useful, especially where promoters of new undertakings abroad seek the assistance of British engineers, capitalists, or contractors—with whom it is important to have a clear common understanding.

In the Second Part attention is drawn to the various modes of forming contracts, and to the conditions necessary to the choice and purchase of engineering material, these particulars being given specially as an aid to Foreign and Colonial transactions, in which disappointment often arises from want of a full understanding between those concerned.

LONDON: *September 1898.*

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