

**THE ELEMENTS OF
STRUCTURES,
FIRST EDITION**

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The elements of structures, First Edition by George A. Hool

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GEORGE A. HOOL

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THE ELEMENTS OF STRUCTURES

PREPARED IN THE
EXTENSION DIVISION OF
THE UNIVERSITY OF WISCONSIN

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PREFACE

This text has been developed solely with the idea of using it in correspondence-study. It has been the aim of the writer to deal with the fundamentals in structural engineering in a simple and interesting manner and, as far as possible, to make the text speak to the student with a directness similar to that employed by an instructor to a student in residence. In order to obtain these results, some of the usual forms of text-book presentation have been disregarded.

The work is intended for students who have had an ordinary training in Arithmetic, Algebra, Plane and Solid Geometry, Logarithms, Trigonometry, Mechanical Drawing, and Strength of Materials. It is a prerequisite course to all the regular structural engineering studies offered by the Extension Division of The University of Wisconsin and treats only of the general methods to be followed in design. The methods in detail for the different types of structures are given in the courses which follow.

The author is indebted to Mr. W. S. Kinne, Assistant Professor of Structural Engineering in The University of Wisconsin, for a careful reading of the proof and for many valuable suggestions and criticisms.

G. A. H.

THE UNIVERSITY OF WISCONSIN
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