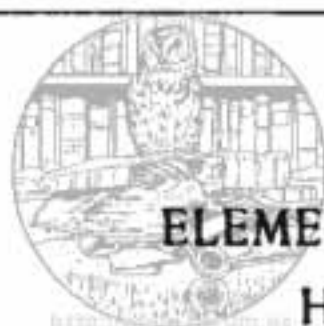


THE ELEMENTS
OF
MECHANICAL ENGINEERING

PREPARED FOR STUDENTS OF THE
INTERNATIONAL CORRESPONDENCE SCHOOLS
SCRANTON, PA.

Volume I

ARITHMETIC
ALGEBRA



ELEMENTARY MECHANICS
HYDROMECHANICS

LOGARITHMS

PNEUMATICS

GEOMETRY AND TRIGONOMETRY

HEAT

WITH PRACTICAL QUESTIONS AND EXAMPLES

1913

SCRANTON
INTERNATIONAL TEXTBOOK COMPANY

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PREFACE.

The Instruction and Question Papers which are furnished to the students of The International Correspondence Schools become so badly worn and soiled that, when a student has completed his Course, he has worn out his Instruction Papers, and they are no longer suitable for reference or review. Since the Instruction Papers are very valuable, especially to those who have studied them, there has grown up a demand for Sets of the Instruction and Question Papers, indexed for convenient reference, and durably bound for preservation. Again, many of our students can spare but little time for study, and are, therefore, a long while passing through their Courses. These students also desire the Papers in bound volumes to use for reference. Other students begin Courses, but for various reasons are unable to complete them, and feel that, having paid for their Scholarships, they ought to have the text-books, even though they cannot finish their Courses.

For these reasons, we have decided to publish all of the Instruction and Question Papers of our different Technical Courses in volumes bound in Half Leather, to make a small advance in our prices, and to furnish a set to each student as soon as his Scholarship is paid for, whether he has completed his studies or not.

The volumes for the present course, the Complete Mechanical, are six in number:

Volume I contains the Instruction and Question Papers on Arithmetic, Algebra, Geometry and Trigonometry, Mechanics, Hydromechanics, Pneumatics, and Heat.

Volume II contains the Instruction and Question Papers on Steam Engines, Strength of Materials, Applied Mechanics, and Steam Boilers.

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