# LESSONS IN ELEMENTARY MECHANICS. FIRST STAGE

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Lessons in Elementary Mechanics. First Stage by W. H. Grieve

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# W. H. GRIEVE

# LESSONS IN ELEMENTARY MECHANICS. FIRST STAGE



# **LESSONS**

IN

# ELEMENTARY MECHANICS

#### FIRST STAGE

BY

W. H. GRIEVE, P.S.A.

ACTION DEMONSTRATOR FOR THE LOWDON SCHOOL BOARD FORMERLY PROPESSON OF MATERIAL PHILOSOPHY AT, NOWARD'S COLLEGE, LIVERPOOL

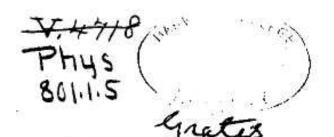
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### WORKS BY W. H. GRIEVE,

Demonstrator in Science for the London School Board.

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## PREFACE.

During the past five years the attention of the public has been forcibly directed to the great advantages which will accrue to us as a nation from some well-defined system of Technical Education.

The author, feeling persuaded that, for such a course to be thoroughly successful, the rudiments of science must be mastered in our Elementary Schools, has issued in three separate text-books the three stages of Mechanics or Elementary Natural Philosophy.

A very large proportion of the illustrations have been engraved expressly for this book, the remainder being borrowed from the following works, viz.: Ganot's 'Natural Philosophy,' Ganot's 'Physics,' Goodeve's 'Mechanism,' Furneaux's 'Chemistry,' Tate's 'Mechanism,' Thornton's 'Physiography,' Wright's 'Sound, Light, and Heat.'

W. H G.

EAST DULWICH: September, 1888.

#### MECHANICS.

### First Stage.

Matter in three states: solids, liquids, gases.

Mechanical properties peculiar to each state.

Matter is porous, compressible, elastic.

Measurement as practised by mechanics.

Measures of length, time, velocity, and space.

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