

# **MANUAL OF MECHANICS**

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Manual of Mechanics by Joseph A. Galbraith & Samuel Haughton

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**JOSEPH A. GALBRAITH & SAMUEL HAUGHTON**

# **MANUAL OF MECHANICS**



MANUAL  
OF  
MECHANICS.

BY

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This Edition is considerably enlarged, containing Duchayla and Archimedes' proofs of the Composition of Forces, and many additional problems.

## MECHANICS.



### INTRODUCTION.

**MECHANICS** is the science which treats of the effects of force, whatever may be the source or origin of that force. We are acquainted with two kinds of effects produced by force, viz., pressure and motion. For our knowledge of the first we are indebted to our muscular sense; the latter is made known to us by two of our senses, sight and touch. Mechanics is, therefore, naturally divided into two branches, which treat respectively of these two effects of force. The first branch of Mechanics, which treats of pressure, is called Statics; and the second branch, which treats of motion, is called Dynamics. We shall proceed, without further explanation or definition, to exhibit the elements of these two departments of Mechanics.