A TREATISE ON HYDROMECHANICS, PART I. HYDROSTATICS

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A Treatise on Hydromechanics, Part I. Hydrostatics by W. H. Besant

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W. H. BESANT

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PART I.

HYDROSTATICS.

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A TREATISE

ON

HYDROMECHANICS.

PART I.

HYDROSTATICS.

BY

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FOURTH EDITION.

Ἄριστον μὲν ὕδωρ.

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PREFACE.

THE present Treatise is a reproduction, with considerable alterations and additions, of the first part of a treatise on Hydrostatics and Hydrokinetics, the third edition of which was published in 1877.

I have thought it advisable, for the convenience of students, and for other reasons, to issue the part on the Equilibrium of Fluids in a separate volume, at any rate for the present, and to reserve the discussion of the Motion of Fluids for another volume.

This I hope, if time and health permit, to have ready early next year.

The instalment of Hydrostatics, which I now offer to the student, is intended to cover the ground ranged over, so far as the subject is concerned, in the Examination in Schedule II. for the Mathematical Tripos, and to serve as a stepping-stone in the advance to the higher regions of Hydrokinetics, and its applications to the theory of sound, and the oscillations of liquid waves.

A more careful discussion of Curves of Buoyancy, the extension of the chapter on Tension, the addition of a chapter on Capillarity, and the insertion of some fresh examples, taken from recent examination papers, with other alterations and additions, will, I hope, render the present edition interesting and useful to mathematical students.

W. H. BESANT.

October 28, 1882.

CONTENTS.

HYDROSTATICS.

CHAPTER I.

ARTICLES		PAGE
1—13	Definitions. Equality of pressure. Transmission of pressure. Measure of density	1

CHAPTER II.

15—20	Conditions of equilibrium	11
21—29	Surfaces of equal pressure. Examples	16
30—31	Rotating fluid	27
32	Whole pressure	29

CHAPTER III.

33—47	Resultant pressures. Centres of pressure	40

CHAPTER IV.

48—62	The equilibrium of a floating body. Surface of buoyancy. Positions of equilibrium	65

CHAPTER V.

63—73	Stability of equilibrium. Metacentre	86
74—79	Finite displacements. Cases of constraint . . .	98
80—88	Heterogeneous liquids	106

CHAPTER VI.

ARTICLES		PAGE
89—91	Oscillations of floating bodies	121

CHAPTER VII.

92—94	Boyle's Law. Absolute temperature	130
95—103	Mixture of gases. Dew. Specific heat	133
104—111	The atmosphere. Determination of heights . . .	139

CHAPTER VIII.

112—114	Tension of flexible surfaces	154
115—118	Lintearia and Elastica	156
119—131	Tension and Pressure	160
132—134	Rigid or Elastic Lamina	171

CHAPTER IX.

135—140	Surface tension. Capillary curve	179
141	Floating needle	184
142—150	Liquid films	185

CHAPTER X.

151—163	Relative equilibrium of a mass of rotating liquid. Application to the figure of the Earth. Jacobi's theorem .	195

MISCELLANEOUS EXAMPLES. 210