

CONTENTS

	Page
Chapter I Properties of Fluids	1
Chapter II Intensity of Pressure	14
Chapter III Hydrostatic Pressure on Areas	29
Chapter IV Dams	46
Chapter V Kinematics of Fluid Flow	57
Chapter VI Dynamics of Fluid Flow	75
Chapter VII Applications of Hydrokinetics	113
Chapter VIII Friction Losses in Pipes	187
Chapter IX Flow Through Pipes	229
Chapter X Uniform Flow in Open Channels	266
Chapter XI Nonuniform Flow in Open Channels	282
Chapter XII Unsteady Flow	296
Chapter XIII Dynamic Forces	310
Chapter XIV Description of the Impulse Wheel	344
Chapter XV Theory of the Impulse Wheel	355
Chapter XVI Description of the Reaction Turbine	365
Chapter XVII Theory of the Reaction Turbine	389
Chapter XVIII Turbine Laws and Factors	401
Chapter XIX Water Power Plants	409
Chapter XX The Centrifugal Pump	419
Index	451