

CONTENTS

PREFACE	PAGE vii
-------------------	-------------

PART I

INTRODUCTORY

CHAP. I. TIME MEASUREMENT	I
II. TIME RECORDING	20

PART II

CLOCKS

III. PENDULUMS	25
IV. CLOCK ESCAPEMENTS	44
V. TRAINS, MOTION WORKS AND GEARING	57
VI. WEIGHT-DRIVEN CLOCKS	67
VII. SPRING-DRIVEN CLOCKS	78
VIII. STRIKING AND CHIMING MECHANISMS	87
IX. CALENDARS, ALARUMS AND SUPPLEMENTARY DEVICES	103
X. ELECTRICAL CLOCKS	106

PART III

WATCHES

XI. TYPES OF MOVEMENTS	133
XII. WATCH TRAINS	138
XIII. BALANCES AND BALANCE-SPRINGS	146
XIV. WATCH ESCAPEMENTS	173
XV. MAINSPRINGS, FUSEES AND GOING BARRELS	190
XVI. KEYLESS MECHANISMS	197

CHAP.		PAGE
XVII.	CHRONOGRAPHS AND STOP WATCHES	210
XVIII.	REPEATING MECHANISMS	220
XIX.	EPICYCLIC TRAINS	235

PART IV

MARINE CHRONOMETERS

XX.	CHRONOMETER TRAINS, ESCAPEMENTS, BALANCES AND OTHER DATA	243
	INDEX	259
	SUPPLEMENT	269