

CONTENTS

PRACTICAL WORK

CHAP.		PAGE
I.	Berth and staging. Riveting and caulking. Keels. Main forgings. Component parts of transverse member . . .	1
II.	Lines drawn on scribe board. Marking, bevelling, bending, and adjusting frame and reverse. Bending floor and beam . . .	17
III.	Assembling component parts of transverse member. Plumbing and horning frames. Rivets. Beams and beam knees. Framing of stern. Keelsons and stringers	32
IV.	Water ballast tanks and cellular double bottoms. Web frames. Bevelling and bending channel and zed frames. Deep framing. Deck stringer plates. Panting. Deck tie plates. Deck plating	48
V.	Watertight bulkheads. Deep tanks. Ordinary and massed pillaring. Shell plating. Shift of butts. Templating . . .	66
VI.	Bulwarks, scuppers, and freeing ports. Hatchways. Breaks in decks. Deck planking. Ceiling and sparring. Cementing. Steel masts and yards. Rudders. Shaft brackets. Bilge keels	83

CALCULATIONS

VII.	Areas of figures. Trapezoidal and Simpson's rules	98
VIII.	Volumes of solids. Displacement. Tons per inch immersion. Fineness coefficients of midship section, waterplane, and block. Change in draught on passing from river to sea. Sinkage due to flooding	111
	Graded drawing exercises	125
	Miscellaneous examples on chapters VII and VIII	127
	Answers to above	130
	INDEX	131