

## TABLE OF CONTENTS.

	PAGE
Ships with oars . . . . .	I—20.
the oars arranged in banks . . . . .	3.
number of oars in each bank . . . . .	10.
auxiliary oars on sailing-ships . . . . .	20.
Dimensions of the ships . . . . .	20—25.
Tonnage of the ships . . . . .	25—31.
Materials for ship-building . . . . .	31—38.
timber . . . . .	31.
tar, paint, wax, etc. . . . .	34.
metal . . . . .	37.
Structure of the hull . . . . .	39—69.
keel, ribs, skin, waling-pieces . . . . .	39.
cables for strengthening the sides . . . . .	41.
port-holes in the sides . . . . .	43.
beams, etc, in the interior . . . . .	45.
superstructure and upper decking . . . . .	49.
lower decks, fore-castle and poop . . . . .	54.
deck-houses and turrets . . . . .	58.
ballast and bilge . . . . .	60.
the ram and its auxiliaries . . . . .	62.
figure-heads, etc. . . . .	65.
Anchors and cables . . . . .	69—74.
Steering-gear . . . . .	74—78.

	PAGE
Rigging . . . . .	78—98.
on ships of early date . . . . .	78.
in the Athenian navy . . . . .	82.
on ships of later times . . . . .	87.
material and colour of the sails . . . . .	96.
Flags and lights . . . . .	99, 100.
Sounding-lead, log, etc. . . . .	101, 102.
Ship's boat . . . . .	103, 104.
Appendix on types of ships . . . . .	105—124.
Index to subjects . . . . .	125—127.
Index to technical terms . . . . .	128—132
Greek . . . . .	128.
Latin . . . . .	131.
Index to authorities . . . . .	133—136.
Index to illustrations . . . . .	137—139.
Illustrations . . . . .	<i>available for download at www.cambridge.org/9781107615717</i>